International Conference on " Continuity, Consistency and Innovation in Applied Sciences and Humanities "

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Department of *Science & Humanities* Presents

3rd Online/Offline Mega International conference on

" Continuity, Consistency and Innovation in Applied Sciences and Humanities "

on 16th & 17th September 2022

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Dr.P.Santosh Kumar Patra

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Ranked 3rd by Competition Success Review

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National ranking by ARIIA

NIRF ranked

88 MOUs

161 patents

594 crores funding received

(ICCIASH-2022)

PROCEEDINGS

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Department of Science & Humanities

3rd Online/Offline Mega International Conference on "Continuity, Consistency and Innovation in Applied Sciences and Humanities" on 16th&17th September, 2022 (ICCIASH-22)

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Sri. M. LAXMAN REDDY
CHAIRMAN

MESSAGE

I am extremely pleased to know that the Department of Science & Humanities of SMEC is organizing 3rd Online/Offline Mega International Conference on **"Continuity, Consistency and Innovation in Applied Sciences and Humanities (ICCIASH-2022)"** on 16th&17th September, 2022. I understand that the large number of researchers has submitted their research papers for presentation in the conference and for publication. The response to this conference from all over India and Foreign countries is most encouraging. I am sure all the participants will be benefitted by their interaction with their fellow researchers and engineers which will help for their research work and subsequently to the society at large.

I wish the conference meets its objective and confident that it will be a grand success.

M. Laxman Reddy

M. LAXMANREDDY
Chairman

Sri. G. CHANDRASEKHAR YADAV
EXECUTIVE DIRECTOR

MESSAGE

I am pleased to state that the Department of Science & Humanities of SMEC is organizing 3rd Online/Offline Mega International Conference on **"Continuity, Consistency and Innovation in Applied Sciences and Humanities (ICCIASH-2022)"** on 16th&17th September, 2022. For strengthening the "MAKE IN INDIA" concept many innovations need to be translated into workable product. Concept to commissioning is along route. The academicians can play a major role in bringing out new products through innovations.

I am delighted to know that there are large number of researchers have submitted the papers on Applied Science & Humanities. I wish all the best to the participants of the conference additional insight to their subjects of interest.

I wish the organizers of the conference to have great success.

G. CHANDRASEKHAR YADAV
Executive Director

Dr. P. SANTOSH KUMAR PATRA
PRINCIPAL

I am delighted to be the Patron & Program Chair for the **3rd Online/Offline Mega International Conference on "Continuity, Consistency and Innovation in Applied Sciences and Humanities (ICCIASH-2022)"** organized by the Department Science & Humanities on 16th&17th September, 2022. I have strong desire that the conference to unfold new domains of research among the Applied Sciences and Humanities and will boost the knowledge level of many participating budding scholars throughout the world by opening a plethora of future developments in the field of Applied Sciences and Humanities.

The Conference aims to bring different ideologies under one roof and provide opportunities to exchange ideas, to establish research relations and to find many more global partners for future collaboration. About 456 research papers have been submitted to this conference, this itself is a great achievement and I wish the conference a grand success.

I appreciate the faculties, coordinators and Department Head of Science and Humanities for their continuous untiring contribution in making the conference a reality.

(Dr. P. Santosh Kumar Patra)
Principal

CONVENER

Dr. RANADHEER REDDY DONTHI

Professor & Head, Department of S&H

The 3rd Online/Offline Mega International Conference on **"Continuity, Consistency and Innovation in Applied Sciences and Humanities" (ICCIASH-2022)** has concluded its work successfully on 16th &17th September, 2022 in St. Martin's Engineering College (SMEC), Hyderabad, India.

The ICCIASH-2022 was organized online by the Department of Science and Humanities, SMEC, and the objective of this conference was to bring together experts from academic institutions, industries, research organisations for sharing of knowledge and experience in the recent trends and advances in Applied Sciences and Humanities.

The conference programme featured a wide variety of invited and contributed lectures from national and international speakers with expertise in their respective fields as well as oral and poster sessions. The ICCIASH has become one of the most extensive, spectacular international events hosted by SMEC for its high-level quality and the large size of participation.

Well- known international and national invited speakers addressed the audience, shared knowledge, and rich experiences on recent advances in Applied Sciences and Humanities in their respective universities and countries. Hundreds of attendees, paper presenters, and students have benefited in many ways from this conference. Nearly 456 theoretical and research papers were presented by authors from around the world. High quality papers will also be published in reputed UGC recognised journals.

The huge success of the conference was achieved because of the able support of the management and the Principal of SMEC. The entire team of the organisers would like to express their gratitude to the higher authorities of SMEC, and last but not the least, the participants who shared their immense knowledge using the platform of this conference.

Finally, we assure you that we are dedicated to come up with many more such programmes so that the process of sharing knowledge continues for the betterment of the teaching-learning community and the society at large.

Dr. RANADHEER REDDY DONTHI

Professor & Head, Department of S&H

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New Woman in Manju Kapur's novel A Married Woman

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Abstract:

Manju Kapur has posed a threat to male ego centricism, which blinds men to the plight and pitiable situation of women and challenged the male – chauvinism which has deprived women from socio-economic and political rights and emotional fulfilment compelling them to be subservient and subjugated. Postcolonial novelists like Shashi Deshpande, Arundati Roy, Bharati Mukherjee, Kamala Markandaya, Nayantara Sahagal, Anita Desai and Manju Kapur have unraveled men's unquestionable superiority in family matters and social affairs. They have focused on the plight of women in general and Indian women in Particular. Manju Kapur has focused on the women's problem and explored the possibilities of their emancipation from the atrocious clutches of male chauvinism defying man made prejudices.

Key words: *Centricism, Male – Chauvinism, Subservient and Subjugated, Emancipation, Atrocious Clutches, Prejudices.*

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Gender and Cultural Group Analysis of Academic Performance, Self-Concept, Personality and Emotional Intelligence in Primary Schools

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Abstract:

According to a review of the scientific literature, many investigations have looked at the relationship between academic achievement and numerous psychological aspects such as self-concept, personality, and emotional intelligence. The present initiative has two main objectives. First, the academic achievement of the participants, as well as their self-concept, personality, and emotional intelligence, were examined in relation to their gender and cultural background. (Urban versus Rural) Second, it is necessary to ascertain which parts of self-concept, personality, and emotional intelligence impact academic accomplishment. A final sample of 407 pupils enrolled in the last two years of Primary Education was used for the study. With an average age of 10.74 years, there were 192 boys (47.2 percent) and 215 girls (52.8 percent). In terms of cultural origin, 142 were of urban origin (34.9 percent) and 265 were of rural origin (65.1 percent). The academic achievements were evaluated from the grades obtained in three school subjects: Natural Sciences, English Language and Literature, and Mathematics, and the instruments used for data collection of the psychological constructs analyzed were the Self-Concept Test-Form 5, the Short- Form Big Five Questionnaire for Children, and the Bar-on Emotional Quotient Inventory: Youth Version-Short. Based on the objectives set, first, the grades in the subject of English Language and Literature varied depending on the gender of the students. Gender disparities in self-concept, personality, and emotional intelligence were also discovered. Furthermore, the physical self-concept differed depending on the cultural group. Regarding the second aim, the academic self-concept had a higher predictive value in the predictive analysis for each topic of the Primary Education curriculum. However, other aspects of self-concept, personality, and emotional intelligence also improved. The need of providing a complete education in schools that promotes not just academic but also personal and social competencies is emphasised. Furthermore, research into the factors that influence gender disparities should be expanded.

Key words: *Academic accomplishment, self-concept, personality, emotional intelligence, gender and cultural group.*

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Ultra Low Frequency Wave and Their Theoretical Discription

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Abstract:

Ultra low frequency (ULF) waves incident on the Earth are produced by processes in the magnetosphere and solar wind. These processes produce a wide variety of ULF hydromagnetic wave types that are classified on the ground as either Pi or Pc pulsations (irregular or continuous). Waves of different frequencies and polarizations originate in different regions of the magnetosphere. The location of the projections of these regions onto the Earth depends on the solar wind dynamic pressure and magnetic field. The study of ULF waves is a very active field of space research and much has yet to be learned about the processes that generate these waves.

Key words: *cavity modes, file line resonances, MHD, magnetic storm, magnetosphere, pulsations.*

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A STUDY OF THE IMAGING MODALITITES USED IN COMPUTER AIDED DETECTION AND DIAGNOSIS

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Abstract:

In the field of medical science computer aided detection and diagnosis is getting proved very useful and helpful technique in various disease detection, a diagnosis and the treatment planning. Every medical imaging technique has its advantages and risk factors. The paper aims to present a brief overview of various medical imaging modalities, especially for computer science researchers. This paper focuses on understanding the different medical imaging modalities with their brief working, strengths, and risk. This paper covers medical imaging techniques like US, MRI, CT, X- Ray, optical imaging, SPECT, mammography, scintigraphy, the infrared thermography, elestography, SPIR, Terahertz Imaging, WSI, etc. The paper presents a comparative study of all different imaging modalities.

Key words: *Medical imaging modalities, X-Ray, CT, MRI, US.*

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Perception of Customers towards Online Food Delivery Services

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Abstract:

The latest changes in technology and Covid pandemic have changed our purchasing behaviour. People have become more aware of digitalization, internet of things, e-commerce and mobile apps. As smartphone has become part of our daily lifestyle, the consumers are not hesitating to experiment on utilization of services online. Online services have widened the scope for business expansion for companies and have opened up more choices for consumers. One such online service which has picked up memento in recent years especially during covid pandemic lockdown is online food delivery service. Online food delivery system is convenient as food is delivered at doorstep. There are variety of options for payments such as credit card, debit card, online wallets etc. Some of the most popular food deliver apps are Zomato, Swiggy, and Dominos. This research work utilized quantitative methods to investigate the perceptions of customers towards Online Food Delivery Services. The study analyses the influence of perceived usefulness, perceived barriers, perceived ease of use, service quality and trust on adopting online food delivery services.

Key words: *Perception, Online Food Delivery.*

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The sovereignty of Gold in fine jewellery- An analysis

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Abstract:

Ornaments are pieces of jewellery worn to enhance the beauty of the wearer. There are two broad categories of jewellery namely, fine jewellery and fashion jewellery. Fine jewellery refers to jewellery made of precious metals and fashion jewellery refers to jewellery made of non-precious metals and other cheap materials. Gold, Silver and Platinum are the widely used precious metals for making fine jewellery. In this study, the author aims to find out the preferences of consumers to purchase several types of jewellery. Data are collected through email using a structured questionnaire. Data analysis is done using SPSS and MS-Excel software packages. The analysis reveals that plain gold jewellery is the most preferred type of jewellery, followed by ordinary stone studded jewellery, precious stones studded jewellery, diamond jewellery, imitation jewellery, silver jewellery, and platinum jewellery. There are differences in the consumer preferences for purchase based on their sex, marital status and income.

Key words: *jewellery, gold, buyer behavior, consumer preference, ornaments.*

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Nanotechnology and AI system with correct biomarkers to early detect the cancer disease

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Abstract:

To detect cancer in early stages is very important for its treatment. As it goes uncontrolled when it is detected very late or in higher stages. The most important factor for successful treatment of cancer disease is its detection in its initial stages. Unfortunately, the detection of cancer in the early stages has many limits and thus hindered. Thanks to the latest development of nanoparticles of nanotechnology which are developed according to the biomarkers of cancer disease which has created the path to detect the cancer cells with high sensitivity as well as high specificity. This paper discusses nano technology integration with Artificial Intelligence AI systems to bring cancer detection in the early stages to reality. With certain biomarkers and conditions, the technology has successfully completed the clinical trials to detect the lung cancer in early stages. This paper discusses the results and future scopes in the nanotechnology-based AI methods to early detect the cancer cells and tumors by suitable selection of biomarkers. This paper proposes a tri technology model nanotechnology plus AI plus biomarkers to give early detection of cancer cells in any part of the body.

Key words: *AI (artificial intelligence), biomarkers, nano particles, cancer, Quantum dots.*

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AN ASSESSMENT OF WORKPLACE READING COMPETENCIES FOR THE DENTISTS

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Abstract:

Medical publications are increasingly done in English all over the world. In many countries English is part of medical education. Dentists being medical professionals need good skills in English communication. This article tried to assess the work place reading competencies for the Dentists in Chennai and Pondicherry cities. Dentists who are practicing for a long period, have participated in the survey. The results were, as expected, majority of them opined that reading competencies are essential for their practice. Especially, reading the previous treatment records, academic journals were given high priority. Since this study is limited to two cities only further studies can be carried with other subskills also. Incorporating reading subskills in Dental curriculum will further enhance the workplace efficiency of dentists.

Key words: *English for Specific Purposes, English for Medical purposes, Needs assessment.*

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SOME ANALYSES ON UNDERLAY CHANNEL CAPACITY OF RELAY ASSISTED D2D SYSTEM IN CELLULAR NETWORKS FOR 5G

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Abstract:

In 5G system network controlled direct D2D communication offers opportunity for local management of short distance communication links and allows separating local traffic from the global network. For providing high data rate, low latency, and good quality of service in D2D communication system, the underlay transmission capacity in greater D2D density must be high. It had been found that transmission capacity in D2D communication detoriates badly at large distance [11]. In this paper we have done some analyses on D2Dtransmission capacity (underlay) with D2D density to increase capacity at maximum distance of 100 meters. It has found that with the help of relay power, path loss coefficient, SIR threshold of relay transmission, and D2D transmission power underlay capacity of D2D communication system can be increased.

Key words: *D2D density, underlay transmission capacity, relay transmission power, Time division duplex mode.*

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Paper ID: ICCIASH-2022/830

COMPLETELY PRIME FUZZY IDEALS OF A PARTIAL ORDERED TERNARY Γ- SEMIGROUP

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Abstract:

We introduce the terms Fuzzy ideal, completely prime fuzzy ideal(CPFI). And showed that h is a fuzzy ideal of a POTΓSG T iff $h\Gamma T\Gamma T \subseteq h$, $T\Gamma h T\Gamma \subseteq h$, $T\Gamma T\Gamma h \subseteq h$ and $(h] \subseteq h$. It showed that every CPFI is weakly CPFI and also showed that is CPI of T then h is weakly CPFI of T. Finally, we showed each maximal FI of T is a PFI of T.

Mathematical subject classification: (2010): 20M07; 20M11, 20M12

Key words: *Fuzzy Ideal, CPFI, weakly CPFI, PFI, m-system, maximal ideal of a POTΓSG.*

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Paper ID: ICCIASH-2022/822

PATIENT FACIAL RECOGNITION THROUGH IMAGE PROCESSING

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Abstract:

Facial expression is a non verbal scientific gesture which gets expressed in our face as per our emotions. The generation needs automatic facial expression detection since it is vital to robotics and artificial intelligence. Happy, sad, shocked, angry, and stable (normal) are some of the common emotions that a human face might exhibit in response to the various scenarios one may encounter. We offer software that can recognize faces and reveal a lot more information about the person using it, such as if they need reinforcement or consumer feedback. The recommended system gathers the user's voice and facial image, sends it to the cloud, and then processes it. The satisfaction decision is subsequently communicated to the appropriate parties. The Patient will be able to monitor their feelings even when they are not present for reactions and have every action they take tracked from anywhere in the globe utilising the Smart Cradle System's Web applications. It is a clever, safe, and secure cradle system for effectively caring for a newborn. This approach considers every small aspect necessary for the patient's care and security in the cradle. The application of face emotion-related technologies and approaches is a component of clever and innovative design.

Key words: *Image Processing, Emotions, Healthcare.*

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Paper ID: ICCIASH-2022/834

Covid-19 Face Mask Detection and Social Distancing at Public Places

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Abstract:

Coronavirus disease (COVID-19) is an infectious disease caused by the SARS-CoV-2 virus. COVID-19 affects different people in different ways. Most infected people will develop mild to moderate illness and recover without hospitalization. Face mask detection had seen significant progress in the domains of Image processing and Computer vision, since the rise of the Covid-19 pandemic. The model uses proposed approach of deep learning, Tensorflow, Keras and OpenCV to detect face masks. This model can be used for safety purposes since it is very resource efficient to deploy. The technique deployed in this model gives an accuracy score of 0.9264.

Key words: *Covid-19, Deep Learning, Computer vision, Mask detection, Social distancing, Python, YOLO.*

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Paper ID: ICCIASH-2022/849

NATURAL CONVECTION IN A SQUARE ENCLOSURE WITH Si C-OIL NANOFLUID

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Abstract:

In Earth Sciences, buoyant flow due to density and concentration variations is an important tool for understanding the fluid flow along shore lines, in the lakes as well as in pipes. Besides Earth Science, environmental applications of nanofluids involves efficient heat transfers from devices for their normal functioning. The present work is a numerical investigation of the natural convection and fluid flow resulting from the variation in density due to temperature gradient. In the current set up, nanoparticles of Silicon carbide dispersed in thermal oil is used as the heat exchange medium. Buoyancy effects, Fluid dynamics and heat transfer is simulated by considering a square cavity filled with the above nanofluid with applications in transformers and oil heaters. The temperature gradient is introduced by considering the vertical walls at different temperatures. Each wall is maintained at a constant temperature. This simulation is significant for transformers used in electric distribution networks where temperatures need to be controlled for an efficient functioning of the devices. This nanofluid has been treated as a single phase -fluid with an assumption of thermal equilibrium between Si C nanoparticles and thermal oil. Analysis of flow and heat transfer has been carried out assuming that the addition of nano particles alters the thermophysical properties. In the present paper evaluation of these properties is based on correlations derived from empirical results. Comsol Multiphysics 5.5a version which is based on the Finite Element Method is used for the numerical studies. The surface velocity and buoyancy plots are obtained for a range of Rayleigh numbers.

Key words: *Nanofluid, free convection, Rayleigh number, thermal oil.*

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Paper ID: ICCIASH-2022/851

Characteristic Result on Measure Space

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Abstract:

For a measure space (X, A, μ), where A is a σ – algebra of subsets of a non empty set X and μ is a positive measure on X, we shall give some results characterizing the normed linear space. The members of the class A are called measurable sets. A measurable function f on X is said to be in L^p (μ) if $\int_X |f|^p d\mu < \infty$. These L^p – spaces are normed linear spaces for $1 \leq p \leq \infty$. In this paper we present the conditions under which L^p - spaces will be contained in L^q – spaces.

2020 mathematical sciences classification: 46E30

Key words: *Measure Space, σ – algebra, Normed linear space, inclusion map.*

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Paper ID: ICCIASH-2022/847

Titanate adsorbents in environmental remediation - A short review

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Abstract:

The present review discusses the adsorption efficiency of various titanate adsorbents employed in environmental remediation. Lignin and cellulose based titanate adsorbents were found to be very efficient in the removal of heavy metals. The removal of organic, inorganic and radioactive contaminants in water by titanate adsorbents is influenced by ion exchange, electrostatic attraction and surface complexation process. The adsorption performance of titanate adsorbent is not limited to its tubular structure, as titanate adsorbents with other morphology have also proved to be efficient in the adsorption of toxic pollutants. This review will generate interest among researchers to develop new titanate adsorbents with unique properties in removal of toxic pollutants. This work may provide more innovative ways of designing novel titanate adsorbents with high potential in the future for various applications.

Key words: *Titanate adsorbents, dye, heavy metal, adsorption, adsorption capacity.*

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Paper ID: ICCIASH-2022/850

Experimental Investigation on Different Properties of Black Cotton Soil Stabilized with Silicafume for Structural Application

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Abstract:

Stabilization in a broad sense incorporates the various methods employed for modifying the properties of a soil to improve its engineering performance. Stabilization is being used for a variety of engineering works, the most common application being in the construction of roads, dams, airfield pavements and also for foundations.

It is observed that the settlement in clayey soils is very slow. This is because of the lower hydraulic conductivity. Hence by stabilizing the expansive soil, the hydraulic conductivity can be increased and the process of consolidation settlement can be expedited. It is believed that addition of puzzolonic material to soil which has calcium causes an initial ionic exchange, which results in flocculation (or edge to face re-orientation of the clay plate-like particles). This flocculation has a dramatic effect on the soil, in terms of a reduction in PI, improved workability and shear strength. However, these strength gains may only be temporary, and can be easily reversed if the soil is exposed to moisture.

The two primary reactions, cation exchange and flocculation–agglomeration, take place rapidly and produce immediate improvements in soil plasticity, workability, uncured strength, and load-deformation properties. Depending on the characteristics of the soil being treated, puzzolonic reaction may also occur, resulting in the formation of various cementing agents that further increase mixture strength and durability. Puzzolonic reactions are time and temperature dependent. Therefore, given appropriate temperatures, strength development is gradual but continuous for long periods of time.

Key words: *Black Cotton Soil, Stabilization, Puzzolonic, Silicafume, Flocculation-agglomeration.*

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Paper ID: ICCIASH-2022/802

Conformal Screen on Lightlike Hypersurfaces of Indefinite Kenmotsu Space Form

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Abstract:

The object of present paper is to study the properties of conformal screen on lightlike hypersurfaces of Indefinite Kenmotsu Space Form with (l, m) –type connection.

Key words: *Kenmotsu space form, Conformal screen, lightlike hypersurfaces.*

2010 AMS Classification Number: 53C15, 53C25.

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Paper ID: ICCIASH-2022/810

An Event Study on Merger of HDFC Ltd. With HDFC Bank

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Abstract:

The announcement of merger of HDFC Ltd. With HDFC bank had made on 4th April, 2022. The Reserve Bank of India had also approved the proposal. The main objective of the researcher to find out the effect of merger announcement on the share price of HDFC Bank. The researcher also tried to find out the whether the announcement of merger has created any positive returns on the event day as well as during the specified pre and post event window. To analyze the data an Event Study method (OLS Market Model) had been applied with an event window of 11 days. The research resulted that the announcement of merger has created an abnormal return on the date of event. The researcher also found that the HDFC bank also created abnormal return for its shareholder during the pre-event window but it has failed to create any return during specified event window. Hence, the researcher concluded that HDFC Bank has created abnormal return for its shareholder on the date of the announcement of merger with HDFC Ltd.

Key words: *Merger, Acquisition, Event Study, OLS Market Model.*

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Paper ID: ICCIASH-2022/835

Design and Build Control Panel for Vertical Axis Wind Turbine At 700 RPM

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Abstract:

Wind turbines are the most widely used machines and are now being used across the globe for power generation. The emerging trends and the availability of intelligent technologies help us to satisfy the needs of the emerging world. World needs a constant renewable power supply to meet their energy demands. The model proposes an efficient real-time monitoring the fluctuations in the voltage, R. P. M and current and automate the process to cut the power supply according to the need. The system is accurate and provide the real time data. There are many systems that can detect different parameters in different procedures.

Key words: *Vertical Axis, Wind Turbine, RPM, Arduino, Power Generation.*

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Paper ID: ICCIASH-2022/857

Talent Acquisition: Study on the Efficacy of Recruitment Process

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Abstract:

The dynamic and volatile environment of the business today is posing several challenges for the organizations which can be overcome by them only if they have resilient human capital. This study is an attempt to understand the "Talent Acquisition" strategy, followed by companies in present scenario to identify best practices that can help them to get the best talent. The study follows a quantitative approach with a self-structured questionnaire based on a literature review and standard "Talent Acquisition" questionnaire to collect primary data. Findings of the study reveal that- most of the recruiters agree that "Talent Acquisition" is a challenge- not because of the demographic factors such as size or industry but because of talent shortage and inefficient process; Employee Referrals and Social media are the most preferred techniques for candidate sourcing; Technical and Management positions present the greatest challenge in acquiring talent; Reference check is an integral part of the recruitment process and most of the companies believe in having their "Employer Brand" and Pre-boarding practice.

Key words: *Talent Acquisition, Pre-boarding, Employer Brand, Retention.*

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Paper ID: ICCIASH-2022/858

Antecedents of Eco-Conscious Consumer Behaviour among Millennials: An Empirical Study of Emerging Market Using SEM

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Abstract:

Given the pressing need to evince environmental concern and act in a manner that is consistent with nature and considering the due importance of engaging in environmentally-conscious/eco-conscious consumer behaviour, this paper studied the factors - Purchase Intention, Perceived Consumer Effectiveness, Environmental Concern, Collectivism, Man-Nature Orientation and Green Communication that affect the Eco-Concious Consumer Behaviour. An online survey was conducted with Millenials as the respondents. A total of 351 valid responses were generated across India. Based on previous studies using Theory of Planned Behaviour, hypotheses were developed to establish the inter-relationships between these factors, which were later tested using confirmatory factor analysis (CFA) and structural equation modelling (SEM) to understand the behavioural motivations of the millennial generation. The findings revealed that Green Communication, Environmental Concern, and Perceived Consumer Effectiveness are found to significantly affect Purchase Intention; Man-Nature Orientation and Collectivism were, however, not found to significantly affect PI, and PI was found to significantly affect the environmentally-conscious/eco-conscious consumer behaviour.

Key words: *environmental concern; green communication; purchase intention; millennials; consumer behaviour; structural equation modelling.*

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Paper ID: ICCIASH-2022/859

An Eclectic Approach to a Conceptual Framework for Workplace Communicative Competence

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Abstract:

In 1966, Hymes countered Chomsky's definition of 'competence' with his theory of communicative competence. Thereafter, various revisions to Hymes' theory were proposed; more prominently by Canale and Swain, Bachman and Palmer, and Celce-Murcia et al. This review paper aims to provide a comprehensive overview of the historical development of the theory of communicative competence diachronically. It explores, analyses, and compares and contrasts the different models and approaches proposed by linguists. The review and analysis indicate that the definitions of the term by pioneering linguists remained largely theoretical. This paper establishes the need to operationalize the definitions of communicative competence.

Key words: *communicative competence, grammatical competence, strategic competence, discourse competence, sociolinguistic competence, workplace communicative competence.*

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Paper ID: ICCIASH-2022/856

E Waste Management in India: Issues and Strategies

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Abstract:

In twenty first century global market of industrial and electronic equipment is growing rapidly all over the world. With this, developing countries are facing tremendous problems for electrical and electronic waste management which are either from import or export illegally. E-waste, e-scrap or Waste Electrical and Electronic Equipment (WEEE) describes discarded electrical devices which includes a wide and increasing variety of electronic devices like televisions, computers, refrigerators, air conditioners and mobile phones etc. It consists of different types of toxic materials that can create occupational as well as environmental health hazards and also pollute the adjacent atmosphere severely. It is necessary to take great care to avoid unsafe exposure in recycling operations. The current practices of e-waste management in India encounters many challenges like ineffective regulations, pathetic and unsafe conditions of informal recycling, poor awareness of consumers and reluctance on part of the stakeholders to address the issues. Because of this, toxic materials enter the waste stream and makes adverse impact on the environment and human health. It requires to handle this problem with great care, otherwise it may affect on the environment of the global world. There is a need that government and private agencies should find needful solutions for the management of E-waste. The purpose of this paper is to find out various issues related to e-waste and suggest strategies for effective e-waste management in India.

Key words: *E-Waste, E-waste assessment, Electrical and Electronic Equipments, (EEE), Waste Electrical and Electronic Equipment (WEEE), Central Pollution Control Board (CPCB), ASSOCHAM.*

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Paper ID: ICCIASH-2022/860

A STUDY ON WORK LIFE BALANCE – PROBLEMS, CHALLENGES AND EMPOWERMENT BY WOMEN EMPLOYEES IN EDUCATION SECTOR OF TELANGANA STATE

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Abstract:

As we have a tendency to all apprehend that education is crucial inside the event of any country. Teachers and lecturers play a vital role in society – they educate, nurture and form the thinking of the long run men, citizens, oldsters and members of communities. the foremost focus of this analysis is to spot the issues two-faced by operating girls in education sector. girls have invariably dominated the primary/secondary college and faculty sector. analysis informs. that presently forty seventh of lecturers inside area union} are feminine. curiously, Surveys indicated that there has invariably been a gender imbalance in relevancy the distribution of promoted posts (i.e. Principal, Head of the Department, Head Teachers). Relative to the number of male lecturers operating within the education sector, the men occupying the high posts In 2020, male teacher illustration outlined as a social structure within which men hold primary power and dominate in roles of political leadership, ethical authority, social privilege, and management of property. This out-of-date system of social structure has determined and formed the lives of {girls of ladies} and girls since centuries, and continues to do to to thus. the bulk of the oldsters and sure relatives ar adjunct towards their girl serving within the education sector. All our respondents powerfully believed that the married girls face larger challenges than single girls. though their husbands ar co-operative however their kids ar actually neglected. Despite the adjunct perspective of their oldster's single girls still face challenges like transportation and managing time between personal and social life. Most of the respondents, married or single, believed that their regular payment and system isn't satisfactory that they blame "Favouritism". In spite of all the facts, our analysis concludes that the education sector of Telangana State for feminine teacher is fairly sensible. it's a woman plays a dominant role in the basic life of a child. Women are a crucial section of our society. Education as a way of empowerment of women can bring about a positive attitudinal change. It is, therefore, crucial for the socioeconomic and political progress of India.

Key words: *Women, Education, Empowerment, Problems, challenges, favouritism, work life balance.*

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Paper ID: ICCIASH-2022/846

Therapeutic Approach of Kamala Das to Surreal Love of Divine Duo - Radha-Krishna

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Abstract:

Umpteen literary geniuses have endeavored to elaborate various aspects of beautiful passion of love in their works. Although the treatment of love theme varies according to the authors' own definition and philosophy of this tender feeling. We find copious descriptions of love including physical love, devotional love, divine love, platonic love, materialistic love etc. In the Devotional Poetry of Bhaktikal, the love of Radha, the milkmaid towards Krishna is symbolic of the human soul wandering away from Eternity and then striving, succeeding to get the highest bliss. Therefore, their divine relation establishes the immortal ties of true love. The surreal love of divine duo portrayed in Jayadeva's 'Gitagovind' is with wild sexual cessation and free from ethical, societal conventions and male supremacy within the rituals of wedlock. This is the pivotal aspect which attracts Kamala Das, an Anglo-Indian poet, to relish such nectar of love that is chaste yet passionate, metaphysical yet physical. In fact, she was destined to marry with an incompatible and intolerable person at the delicate age of fifteen. Her romantic illusions of love vanished soon having lustful attacks on her physique. This grievance and chagrin in affection made her soul turn to seek the solace in mythical love of Radha Krishna in which the selves merge with each other to get surreal unification. She takes this exemplary relation as a therapy to heal the wounds of emotions and spirit and pours them into her poetical works dexterously.

Key words: *Eternal bliss, Kamala Das, Radha Krishna, lust, celestial unification.*

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Paper ID: ICCIASH-2022/868

Meandering Through the Web of Illusion: An Indian Reading of Bruno's Dream

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Abstract:

Spiritual crisis is the problem of the post-modern psyche, in general, and Murdoch's characters, in particular. Man has successfully distanced himself from himself. And ironically, he searches for his truth in the fleeting world outside, forgetting that "the only way out is the way in."

This paper uses one of the most crucial concepts of the Indian philosophical text, the Bhagavad Gita, maya (illusion). According to the BhagavadGita, the world is illusory. Therefore, a realisation on the part of the man that he is the absolute truth and that what he perceives of himself based on the external reality is illusory is the only solution to the crisis of humanity.

However, the interesting insight shared by the above-mentioned dictum from the Bhagavad Gita is that - man must necessarily plunge into the process called 'Life' to understand its ephemerality. This arduous journey involves unraveling the impermanence of the world in order to achieve the knowledge of the (his) Self – the only changeless entity. The concept of 'maya(illusion)' is central to the paper. According to Indian philosophy, the world is neither 'Sat'(reality) nor 'Asat' (delusion). Many characters in Murdoch's novels go through this phase of experiencing illusion. While some come close to realisation, the others are dissuaded. In Bruno's Dream, the characters are complicatedly held up in the web of life, mired by their own choices. At a certain point in time, they realise that 'the world must wax and wane,' which re-establishes the illusory nature of the world.

Many critics highlight Murdoch's novels as pessimistic and her characters representing hopelessness. On the contrary, this paper, using the concept of the Bhagavad Gita, will prove how Murdoch's voice resonates with the profound truths irrespective of her seemingly existential plots.

Key words: *Illusion, Bruno, self-realisation and Bhagavad Gita.*

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Paper ID: ICCIASH-2022/867

Text World Analysis of A. K. Ramanujan's "Of Mothers: among other things" as a Discourse Situation

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Abstract:

This paper presents a Text World Analysis of A.K. Ramanujan's poem "Of Mothers: among other things" while viewing it as a discourse situation to explore the mechanics of flashback technique in the poem. This involves analysis of the viewpoints and voices and the text-worlds constructed by the voices. The observation that the poem employs flashback technique is a product of impressionistic literary criticism. This observation about the poem is further substantiated using a cognitive poetics tool, Text World Theory, with a special emphasis on the world construction and world switches using cognitive deixis, for which it draws upon Peter Stockwell's Deictic Shift Theory (DST).

Key words: *A K Ramanujan, Cognitive Poetics, Deixis, Indian Poetry in English, Text World Theory.*

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Paper ID: ICCIASH-2022/880

Internet Banking Usage and E-Service Quality Dimensions: A Pilot Study

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Abstract:

Purpose: Before undertaking a study on the association between demographic factors and internet banking usage and service quality among internet banking users, a pilot test was carried out to evaluate the processes for approaching participants, the survey questionnaire's usability, and data collection techniques

Methodology: A sample of 30 respondents was selected based on convenient sampling and questionnaire was sent to them with an invite email. The respondents were asked to give feedback on the questionnaire with respect to time taken to complete, clarity, format, etc.

Findings: Before beginning the primary research project, the authors conducted the pilot testing processes, studied feasibility issues, and made improvements to the instrument and methodology to contribute to the research study on the association between demographic characteristics and internet banking usage.

Practical Implications: The refinement of questionnaire and the learnings while doing pilot study would help in actual larger scale study without any difficulties. It may benefit few researchers who are beginners.

Originality: Some published papers or books provide the guidelines on conducting pilot work. Our experience shows that there is value in doing the pilot study.

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Paper ID: ICCIASH-2022/882

An Overview of the Applicability of Phenomenological Hermeneutics to Literary Studies (Poetry): A Synoptic View of Origins, Definitions, Historical Perspective and Methodology

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Abstract:

Literary Studies, the record of human experience in imaginative texts, has textual analysis as its most important method to access meanings from texts. Phenomenology, which is simultaneously a philosophy, a methodology and a qualitative method of research analysis has many parameters in common with literary studies. Hermeneutics, or the methodology of interpretation has methods common to both disciplines. However, hermeneutics while applied widely in phenomenological research, seems to have been relegated to the background in literary studies. This paper gives an overview of the development of phenomenology and hermeneutics, as perceived relevant to literary studies, especially poetic interpretation. The gap discovered through the conceptual review shows that hermeneutic phenomenology has never been satisfactorily considered in literary studies. This paper gives a brief proposition on two ways in which research in literary hermeneutics can integrate phenomenological methodology and use its frameworks for "life-world" analysis of texts. This would help in generating deeper meanings and significances out of poetry, especially subjective poetry.

Key words: *phenomenological hermeneutics, hermeneutics and literature, innovative methodologies in literature, innovations in poetic interpretation, poetry and "life-world", literature and the "lived-experience".*

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Paper ID: ICCIASH-2022/872

Recovery Time in Tin Oxide Functionalized Carbon nanotube gas sensors for NO_2 gas

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Abstract:

Single walled Carbon nano tube (SWNT) gas sensors were functionalized with 0.1mg, 0.2mg and 1mg SnO2. The prepared samples were characterized for structural properties by X-ray diffraction and Scanning electron microscopy. Response of the sensor was noted in the form of change in resistance on exposure to varying concentrations of NO2 gas. An increment in responsivity was observed for functionalized CNTs with optimum values at 0.1mg SnO2 functionalized SWNT. The recovery time was calculated experimentally and adsorption energy was estimated. The recovery time shows a decrease on functionalization with 0.2 mg SnO2 and 1 mg SnO2, however increases for 0.1mg SnO2. The estimated values of adsorption energies are ~ -0.8 eV indicating physical adsorption.

Key words: *Single walled carbon nanotube, SnO2 functionalized, Responsivity, Recovery time, Adsorption energy.*

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Paper ID: ICCIASH-2022/873

Random forest classifier with Improved Random Walker Segmentation for Lung cancer detection

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Abstract:

A tumor is a standout among the most widely recognized common lung diseases. Developments in therapeutic imaging techniques allow utilizing them within a few domains of medicine, for instance, computer-aided pathological diagnosis, surgical planning and guidance, and longitudinal analysis. Additionally, the segmentation of medical images is a difficult task, because they generally include a large amount of data, and sometimes a few artifacts because of the patient's limited acquisition time and delicate tissue boundaries, normally not well defined. When dealing with lung cancers, different problems arise, which make their segmentation difficult. These tumors have different shapes and sizes. It may emerge in any area and different image intensities. These protocols give various information on lung images. The automated accurate segmentation of internal structures of the lung is of great enthusiasm to study and for the treatment of tumors. It goes at decreasing mortality and enhancing the surgical or radiotherapeutic management of tumors. In lung oncology, it is additionally desirable to have an evocative human lung model that can coordinate tumor information extracted from computed tomography information. The developed design aspect makes use of better random walkers segmentation using a random forest classifier within MATLAB software framework, together with computerized tomography scanning lung pictures. This approach can help radiologists as well as medical professionals identify syndromes in their earliest stages as well as prevent cancer in its advanced phases.

Key words: *Cancer, Lung, Random walker, Segmentation, Tumours.*

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Studying Suggestiveness Through S´abda Vyāparās in Tennyson's "Crossing the Bar"

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Abstract:

Tennyson, a representative poet of the Victorian Age, is known for his profound poetic thought. Much of his poetry has been explored for many themes and stylistic interpretations. However, his poems are the epitome of 'suggestiveness', carrying in them universal appeal for all times and ages. And 'suggestive meanings' as explained and enumerated by our Sanskrit theoreticians would serve the best technique to delve deep into the meanings evoked by the words Tennyson deliberately picks. Dhvani, as expounded by Ānandavardhana opens various avenues to explore the meanings through suggestiveness. The article explores kinds of meanings, suggestiveness leads a reader to in Tennyson's "Crossing the Bar" using s´abdavyāparās i.e. abhidhā, lakṣanā and vyañjanā. While the poem is on a sea voyage, lakṣanā and vyañjanā reveal more meanings of the poem. The poem is also about the journey from life to death, merging with the ultimate and also about "crossing the bar" at various levels in human life.

Key words: *Abhidhā, Laksanā, Vyañjanā, Tennyson, Crossing the Bar.*

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Paper ID: ICCIASH-2022/895

Promoting Attitudinal Development Through Constructivism in Pedagogy of Biological Science- A Study

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Abstract:

This study aims to examine the attitudes that are inherent in biological sciences instruction. Since the beginning of time, we have placed a solemn emphasis on cognition, with scant attention paid to how the pupils' attitudes might change. The teaching-learning process is fundamentally dependent on the teacher. And all that the pupil does is simply listen. The traditional method is falling short in the development of attitudes, the Constructivist method can act as a substitute for the traditional mode of knowledge transaction to enhance students' attitudes while making learning more concrete through its innovative teaching and learning strategies. The constructivist approach can be used as an instructional strategy to teach the required attitudes. The foundation of constructivism is the belief that learning occurs when students actively contribute to the process of generating meaning and knowledge, as opposed to merely absorbing information. It is crucial for teachers to place a greater emphasis on skills than content and to further modify students' attitudes because Gen Z students have access to all knowledge. In the current study, the researcher is creating instructional ideas/strategies through content analysis to better meet the expectations of millennials on their attitudes with an emphasis on the affective domain in particular.

Key words: *Constructivism, constructivist approach, pedagogy of biology.*

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Paper ID: ICCIASH-2022/720

A STUDY ON PORTFOLIO MANAGEMENT AT ANGEL STOCK BROKING

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Abstract:

Portfolio management is a process encompassing many activities of investment in assets and securities. It is a dynamic and flexible concept and involves regular and systematic analysis, judgment, and action. A combination of securities held together will give a beneficial result if they are grouped in a manner to secure higher returns after taking into consideration the risk elements.

The main objective of Portfolio management is to help the investors to make a wise choice between alternate investments without post-trading shares. Any portfolio management must specify the objectives like Maximum returns, Optimum Returns, Capital appreciation, Safety, etc., in the same prospectus.

This service renders optimum returns to the investors by proper selection and continuous shifting of the portfolio from one scheme to another scheme from one plan to another plan within the same scheme.

Fifteen different companies are chosen for the study. The study gives the returns offered by the companies of various securities are compared and conclusions are brought out which produces large and better portfolio combinations for the investors.

Key words: *Portfolio management, Investment, Risk, Return.*

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Paper ID: ICCIASH-2022/785

A STUDY ON INVENOTY MANAGEMENT AT ASIAN PAINTS

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Abstract:

The study aims to examine the inventory management process. The significance of this research is based on the benefits that can be obtained by identifying the issues of inventory control. The methodology used is unstructured interviews, on-site study, and annual report analysis. Inventory management is an important area of the manufacturing industry. If the company fails to manage inventory, it will face failure. It is a challenge for the company to maintain fair inventory. There are various inventory management techniques available for maintaining a fair inventory level in the company. The basic objective of this paper is to study inventory management techniques, inventory related ratios and turnover ratios used in Asian paints. And find out some measures for improvement on the inventory management process of the concerned company. The present system of inventory management of the company is good. For the improvement of the present inventory management system, the company should adopt other inventory management techniques.

Inventory management is very important for "Asian paints". It enables the business to meet or exceed the expectations of the customers by making the products readily available.

The scope of the study includes the ABC Analysis, Inventory Ratios and Turnover Ratios of Raw Materials, work in progress, and finished goods for five financial years.

Key words: *ABC analysis, Inventory related ratios, Turnover ratios.*

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Paper ID: ICCIASH-2022/721

A STUDY ON FINANCIAL MANAGEMENT AT HCL

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Abstract:

This study fundamentally suggests how financial management is imperative in the sustainability process. The research is based on the necessity of disclosure of sustainability reports, basing financial decisions on corporate sustainability in capital budgeting and related aspects and the measurement as well mitigation of sustainability risks. The connect between financial growth and sustainability is provided as well as case analysis of the Islamic and Western financial model systems broken down for the analysis of the relevance of the concepts in the real world. Finally, the research elaborates a predictive model guideline for distress identification and evaluation in various firms for various interest parties as a function of non financial and macroeconomic elements.

Key words: *Financial management, Financial decisions, Analysis, Capital.*

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Paper ID: ICCIASH-2022/786

A STUDY ON ASSET AND LIABILITY MANAGEMENT AT CANARA BANK

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Abstract:

Asset-Liability Management (ALM) can be termed as a risk management technique designed to earn an adequate return while maintaining a comfortable surplus of assets beyond liabilities. It takes into consideration interest rates, earning power, and degree of willingness to take on debt and hence is also known as Surplus Management.

But in the last decade, the meaning of ALM has evolved. It is now used in many different ways under different contexts. ALM, which was pioneered by financial institutions and banks, is now widely being used in industries too. The Society of Actuaries Task Force on ALM Principles, Canada, offers the following definition for ALM: "Asset Liability Management is the ongoing process of formulating, implementing, monitoring, and revising strategies related to assets and liabilities in an attempt to achieve financial objectives for a given set of risk tolerances and constraints."

The need of the study is to concentrate on the growth and performance of the syndicate bank and to calculate the growth and performance by using asset and liability management. And to know the management of nonperforming assets.

To know the financial position of the syndicate bank The burden of the Risk and its Costs are both manageable and transferable. Financial service firms, in the addition to managing their own risk, also sell financial risk management to others. They sell their services by bearing customers' financial risks through the products they provide. A financial firm can offer a fixed-rate loan to a borrower with the risk of interest rate movements transferred from the borrower to the. Financial innovations have been more concerned with risk reduction than any other subject. With the possibility of managing risk near zero, the challenge becomes not how much risk can be removed.

Key words: *Asset, Liability, Canara bank.*

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Paper ID: ICCIASH-2022/797

A Study on Comparison Between Investment in Equity and Mutual Funds in Angel Broking Co

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Abstract:

A mutual fund is a professionally managed type of collective investment scheme that pools money from many investors and invests it in stocks, bonds, short- term money market instruments and other securities. Mutual funds have a fund manager who invests the money on behalf of the investors by buying / selling stocks, bonds etc. management team. Another reason why investors prefer mutual funds is because mutual funds offer diversification.

An investor's money is invested by the mutual fund in a variety of shares, bonds and other securities thus diversifying the investors portfolio across different companies and sectors. This diversification helps in reducing the overall risk of the portfolio. It is also less expensive to invest in a mutual fund since the minimum investment amount in mutual fund units is fairly low (Rs. 500 or so). With Rs. 500 an investor may be able to buy only a few stocks and not get the Currently, the worldwide value of all mutual funds totals more than $US 26 trillion. There are various investment avenues available to an investor such as real estate, bank deposits, post office deposits, shares, debentures, bonds etc.

A mutual fund is one more type of investment avenue available to investors. There are many reasons why investors prefer mutual funds. Buying shares directly from the market is one way of investing. But this requires spending time to find out the performance of the company whose share is being purchased, understanding the future business prospects of the company, finding out the track record of the promoters and the dividend, bonus issue history of the company etc.

Key words: *investors, stocks, bonds, diversification, dividend, promoters.*

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Paper ID: ICCIASH-2022/787

Financial statement analysis at HDFC bank

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Abstract:

Financial Statements are prepared primarily for decision-making. They play a dominant role in setting the framework of managerial decisions. But the information in the financial statement is not an end in itself as no meaning can be drawn from these statements alone.

The information provided in the financial statement is of immense use in making decisions through analysis and interpretation of financial statements. The financial analysis is the process of identifying the financial strength and weaknesses of the firm by properly establishing a relationship between the items on the balance sheet and P&L A/C.

There are various methods or techniques used in analyzing financial statements such as comparative statements, trend analysis, common size statement, schedule of changes in working capital, fund flow, and cash flow analysis, cost volume profit analysis, and "RATIO ANALYSIS".

Key words: *Financial Statements, P&L A/C, Ratio analysis.*

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Paper ID: ICCIASH-2022/727

A STUDY ON FINANCIAL STATEMENT ANALYSIS - HDFC BANK

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Abstract:

The project "FINANCIAL STATEMENT ANALYSIS" gives the brief idea regarding the various investment options that are prevailing in the financial markets in India. With lots of investment options like banks, Fixed Deposits, Government bonds, stock market, real estate, gold and mutual funds the common investor ends up more confused than ever. Each and every investment option has its own merits and demerits. This project I have discussed about few investment options available.

Any investor before investing should take into consideration tae safety, liquidity, returns, entry/exit barriers and tax efficiency parameters. We need to evaluate each investment option on the above-mentioned basis and then invest money.

Today investor faces too much confusion in analyzing the various investment options available and then selecting the best suitable one. In the present project, investment options are compared on the basis of returns as well as on the parameters like safety, liquidity, term holding etc. thus assisting the investor as a guide for investment purpose.

Key words:

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Paper ID: ICCIASH-2022/706

A STUDY ON HOME LOAN AT HDFC BANK

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Abstract:

In Every housing finance company, there is a lot of emphasis is given to what the competitors are doing and what can be done to counter them or simply match the competitors concerning the services provided and also the variety of products that a particular housing finance company has on offer.

A competitor normally is in a better position to dominate the market if it is lending at an interest level, which is lower than what the market has to offer. Also, the amount of loan which can be given plays a significant role in the minds of the customer in deciding which housing finance company he/she should opt for. The charges taken by the company also play a major if not vital role. Several research works on consumer perception towards various service industries emerged in recent years. The review of the literature indicated that the occupation of consumers like salaried, self-employed, and businessmen was put together in all research. But they did not acknowledge the perception of an individual group of salaried employees who rank first in the home loan disbursement from public and private sector banks.

Key words: *home loan, hdfc bank, private sector bank.*

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Paper ID: ICCIASH-2022/724

A study on "a comprehensive analysis on mutual funds" with regards to reliance capital asset management ltd

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Abstract:

Mutual Funds are essentially investment vehicles where people with similar investment objectives come together to pool their money and then invest accordingly. With emphasis on increase in domestic savings and an improvement in the deployment of investment through markets, the need and scope for mutual fund operations has increased tremendously. But about 75% people are still investing in Post office, MIS and bank deposit. One major reason behind it is lack of awareness in rural areas. There is, therefore, a strong need for improving the awareness in a big way. One of the important goals of the mutual fund industry is to attract and mobilise major portion of the House Hold Savings (HHS) in order to enable the small savers to benefit from the economic growth by facilitating them to park their savings into the assets which yield better risk adjusted returns. Therefore, the question arises, has the Indian mutual industry succeeded in achieving this goal? The present study will try to look for the answers. Though, the mutual fund industry has recorded significant progress on all fronts yet it has not been able to utilize its potential fully. On almost on all parameters, it is far behind the developed economics and even most of the emerging economics of the world. The industry is confronted with number of challenges like low penetration ratio, lack of product differentiation, lack of investor awareness and ability to communicate value to customers, lack of interest of retail investors towards mutual funds and evolving nature of the industry. Based on the analysis the study suggests that if the industry has to utilize its potential fully, it has to address these challenges.

Key words: *Mutual fund, Performance of funds, Risk and return, Investment.*

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Paper ID: ICCIASH-2022/723

A Study on Banking Services at HDFC Bank Ltd

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Abstract:

This project is done on digitalization topic in the area of "A study on banking services at HDFC Ltd" undertaken HDFC Bank Ltd. The most challenging job for any employee is to understand customer's need and satisfy them. The era has come where every customer wants to work from home and need not to visit bank every now and then. Digitalization has changed the concept of banking services. HDFC bank has provided all the possible ways for customers to use digital platform efficiently and effectively.

The digital revolution is upon us and touches every aspect of our lives, including banking. The report is done basically to know the awareness level of customers who visit bank for digital banking. HDFC bank has initiated campaigns for digitalizing the banking system. Because of digitalization the customers are more satisfied and able to save time. More than half of the work related to banking they work from home only using net banking and application.

The study is conducted to check the impact of Digitalization on banking services so that bank can work on those points and can promote more and more for digital banking. Moreover, study of impact of digitalization helps the bank to understand the mindset of customers whether they are interested for digital baking or not. The aim of survey is to analyses perception of customers regarding the digital baking platform offered by HDFC Bank Ltd.

By the end of the report and survey conducted, it is expected to get all the information and findings related to digitalization and banking. However, there are many different aspects of findings in report and various dimension like age, gender, occupation. Different people have different perception for digital banking. It is mostly seen that youth are more engaged in net banking and digital banking. HDFC bank is trying hard to make the presence of digital banking among their customers.

Key words: *banking services, HDFC bank, digital banking, e-banking.*

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Paper ID: ICCIASH-2022/731

A study on dividend policies at Tata steel

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Abstract:

Dividend is considered as an important source of information as well as cash flow to investors. Dividend forecast provided by managers plays a significant role in investment decisions. Investors consider dividend as the signal of higher future growth and proper management of the firms. As per the relevance theory of dividend the regular dividend has a positive impact on share prices. Thus, regular and high dividend paying companies remain at the top of the list for the investment. Dividend policy has been an issue of great interest in financial literature since long time. As per the modern approach of finance, dividend policy decision is an important function of finance manager with the key objective of maximization of shareholders' wealth. For the study, "An study on Dividend Policy of tata steel" the sample of seven industries was considered and five companies from each selected industries were studied for (2017-2021). With the type of dividend policy of tata steel the study has also examined the relationship between dividend and certain variables like revenue, net profit, other income, stock price and market capital. Ultimately, we conclude that although companies from the same umbrella are surrounded by the same business conditions, taxation and other government policies, the size of business, opportunities for growth and expansion, availability of funds from the market, goodwill of the firm, life cycle of the firm, shareholders' expectations from the company, managements' belief and perception for dividend payment altogether decide the dividend policy of a company. Thus, each company has its own unique dividend policy and dividend is still a partially solved puzzle.

Key words: *Dividend policy, Share holders, Stock market*

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Paper ID: ICCIASH-2022/714

A STUDY ON E-BANKING AT HDFC

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Abstract:

The banking industry of HYDERABAD has shown tremendous growth in volume and complexity over the recent years. Despite making significant improvements in all the areas relating to financial viability, profitability, innovation and competitiveness, there are concerns that banks have not been able to include vast segment of the population, especially the underprivileged sections and rural people into the field of basic banking services (HDFC), savvy commercial bank in HYDERABAD is serving over 2.5 million people in HYDERABAD. A couple of years ago, ALL BANKS was facing a challenge, as it was unable to serve people in rural areas. There were 160 million people in HYDERABAD at the time, of which, 87% didn't have a bank account and most were living in rural areas. But on the other hand, even the remote areas of HYDERABAD are now under the coverage of mobile phone networks. This represented a huge untapped market for HDFC. Using the existing infrastructure of Mobile Network Operators (MNO) HDFC come up with an innovative solution termed as "Mobile Banking". Mobile banking (m-banking) involves the use of a mobile phone or another mobile device to undertake financial transactions linked to a client's account. M banking is one of the newest approaches to the provision of financial services, made possible by the widespread adoption of mobile phones even in low income people. With the help of mobile banking, people do not need to go to the banks; rather bank itself can easily reach at the doorsteps of the deprived section of the society efficiently and at affordable cost even at the remote areas.

Key words: *Financial viability, profitability, M banking.*

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Paper ID: ICCIASH-2022/728

Comprehensive Study on Financial Analysis with reference to "Tata motors"

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Abstract:

The financial Analysis provides the basic data for financial performance analysis. The financial statements provide a summarized view of the financial position and operations of a firm. Financial analysis (also referred to as financial statement analysis or accounting analysis) refers to an assessment of the viability, stability, and profitability of a business. The analyst first identifies the information relevant to the decision under consideration from the total information contained in the financial statements. The analysis of financial statements is an important aid to financial analysis. They provide information on how the firm has performed in the past and what is its current financial position. Financial analysis is the process of identifying the financial strengths and weaknesses of the firm from the available accounting data and financial statements. The focus of financial analysis is on key figures in the financial statements and the significant relationship that exists between them. The analysis of financial statements is a process of evaluating the relationship between parts of financial statements to obtain a better understanding of the firm's position and performance. This study aims at analysing the overall financial status of TATA MOTORS by using various financial tools.

The study of the financial statement is prepared for presenting a periodical review or report by the management of and dealing with the state of investment in business and results achieved during the period under review. They reflect the financial position and operating strengths or weaknesses of the concern by properly establishing a relationship between the items on the balance sheet and removing statements.

Key words: *financial analysis, periodical review, financial status.*

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Paper ID: ICCIASH-2022/704

A STUDY ON INTRINSIC VALUE OF FUTURE CONTRACT

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Abstract:

Intrinsic Value of a Stock One of the premises of fundamental analysis is, that securities, which actual price does not equal to its intrinsic value, really exist and they are listed in some stock exchange. Proponents of fundamental analysis believe that certain intrinsic value can be calculated for every security. Intrinsic value of a stock can be calculated by methods of fundamental analysis. It means the „justified price— and it express the real value of a stock. Ideally stock should have this price. Stocks are overvalued while intrinsic value > price, whereas stocks are undervalued while intrinsic value < price. If intrinsic value equals to price, stocks are fairly valued. The estimating the intrinsic value of a stock belongs among basic aims of fundamental analysis. Investors use different methods for estimating the intrinsic value of a stock. The choice depends on known parameters, which are needed for certain method. Often used methods are: dividend discount model, profit model, combination of dividend discount and profit model and historical model. There are different types of dividend discount model signed as Gordon models depending on decreasing, stagnation or increasing of dividends. The increase or decrease can be linear or nonlinear. Probabled increase rate of dividends can be estimated by means of historical data analysis, subjective estimation of financial analysts or financial indicators of companies. The rate depends on return of equity capital, indebtedness, margin of profit and generally on chosed dividend policy.

Key words: *Intrinsic value on Ongc, Bhel Divdends*

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Paper ID: ICCIASH-2022/712

AN ANALYSIS OF FUND'S FLOW STATEMENT AT HERO MOTOCROP LIMITED

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Abstract:

Fund flow statement is a statement showing sources and application of funds for a period of time. Fund flow statement is one of the valuable tool in the hand of management to evaluate the uses of funds by the organization and in determining as to how these uses are financed. Fund flow statement is statement which discloses the analytical information about the different sources of fund and the application of the same in the specific accounting cycle. In other words, it incorporates those transactions which change either the amount of current assets or current liabilities (in the form of increased or decreased working capital) or fixed assets, long-term loans and equity capital. Fund flow statement is also called the 'Statement of Sources and Application of Fund 'Movement Funds Statement'. Fund flow statement attempts at providing a link in the completion of final statements. Fund flow statement is a statement in summary form that indicates the changes occurring in items of financial condition between two different balance sheet dates.

Key words: *accounting cycle, assets, liabilities, long-term loans, equity capital, final statement.*

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Paper ID: ICCIASH-2022/703

A STUDY ON ASSETS AND LIABILITIES MANAGEMENT AT ULTRATECH DIRECT

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Abstract:

UltraTech Cement, India's largest and the world's 10th largest manufacturer of cement, one of India's largest producers of RMC and the nation's largest producer of white cement has been instrumental in India's rapid infrastructural growth. Its state-of-the-art manufacturing facilities produce products and services that have aided growth not only in urban areas but also in the rural interiors of the country. UltraTech as a brand is an embodiment of 'strength' and 'reliability'. These traits have inspired engineers to further use their imagination, which has resulted in a more extensive realm of possibilities. This project helped me to get the deeper understanding of the process of Financial Statement Analysis and how decisions are taken to strengthen the financial position. For this study five years' comparative Income Statement & Balance Sheet have been taken for calculating ratio analysis. Main objective in undertaking this project is to supplement academic knowledge with absolute practical exposure to day to day functions of the sector. Financial analysis which is the topic of this project refers to an assessment of the viability, stability and profitability of a business. This important analysis is performed usually by finance professionals in order to prepare financial or annual reports. These financial reports are made with using the information taken from financial statements of the company and it is based on the significant tool of Ratio Analysis. These reports are usually presented to top management as one of their basis in making crucial business decisions.

Key words: *Assets management, Liabilities managements, Financial position*

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Paper ID: ICCIASH-2022/701

A Study on Stock Market for Investment Decision in Net worth Direct

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Abstract:

Investment decisions with the help of economic development and increase in employment opportunities have gained more importance. Awareness of investment avenues which gives good returns has attracted people to save and invest in the market. The academicians, portfolio managers and investors have to be more concerned and understand the reasons behind irrationality in the markets. To examine the factors which influence the investment decision of every individual investor, this study have used the theory of behavior finance. Moreover factors influencing the investment decision varies from person to person, time to time, place to place, securities to securities and so on. It is suggested that before introducing any investment avenues in the market the policy makers of investment avenues must consider all the risk and its impact on the investors investment.

Key words: *Investment Decision, Economic Development, Employment Opportunities.*

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The scope of microfinance in India at Muthoot finance Ltd

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Abstract:

This dissertation project report on micro financing throw the light on issues and success factors in micro financing in India. Micro finance means providing very poor families with very small loans (micro credit) to help them engage in productive activities /small businesses. Over time, microfinance has come to include a broader range of services (credit, savings, insurance, etc.) as we have come to realize that the poor and the very poor who lack access to traditional formal financial institutions require a variety of financial products. The Eleventh Five Year Plan aims at inclusive growth and faster reduction of poverty. Micro Finance can contribute immensely to the financial inclusion of the poor without which it will be difficult for them to come out of the vicious cycle of poverty. There is a need to strengthen all the available channels of providing credit to the poor such as SHG- Bank Linkage programs, Micro Finance Institutions, Cooperative Banks, State financial corporations, Regional Rural Banks and Primary Agricultural Credit Societies. The strength of the micro finance industry lies in its informality and flexibility which should be protected and encouraged. The sector which is still in its infancy faces shortage of experienced consultants/manpower/experts. There is a need to have good quality professionals, trained in best practices in governance for effective corporate governance. A need-based capacity building program to meet the requirements of all categories of Micro Finance Organisations (MFOs) is essential to bring about sustainability in the sector. Some of the important areas where capacity building is needed are transformation, best practices, interest rate management, delivery management, managing growth, risk mitigation, product designing, market research etc.

Key words: *Micro finance, Management, Corporate governance.*

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A STUDY ON PERFORMANCE EVALUATION OF MUTUAL FUNDS AT HDFC BANK

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Abstract:

A mutual fund is a company that pools money from many investors and invests the money in stocks, bonds, short-term money-market instruments, other securities or assets, or some combination of these investments. The combined holdings the mutual fund owns are known as its portfolio. Mutual funds are operated by fund managers, who invest the fund capital and attempt to produce capital gains and income for the fund investors. An asset management company (AMC) is a company that manages a mutual fund. For all practical purposes, it is an organized form of a money portfolio manager who has several mutual funds schemes with similar or varied investment objectives. Each share represents an investor's proportionate ownership of the fund's holdings and the income those holdings generate. This not only diversifies the risk, but also helps take advantage of the position it holds.

Key words: Mutual Fund, Investors, Schemes, Return, Savings.

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Paper ID: ICCIASH-2022/717

Dividend Policies at Kotak Securities

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Abstract:

The dividend policy of companies is directly related to the policy of using profits. The paper presents the results of the study of the influence of income and profit factors, as well as other factors related to them on the choice of dividend policy by Russian joint-stock companies in comparison with the policy of dividend payment by US corporations, since the authors believe that such a comparison will help to understand and evaluate some features and problems dividend policy of Russian societies. As a result, it was revealed that the factors of income and profits, industry characteristics, size and age of a company can have different effects in different economic condition. This longitudinal study uses balanced data consisting of companies listed on the National Stock Exchange (NSE) of India for 12 years—from 2006 to 2019. Pooled ordinary least squares (POLSs) and fixed effects panel models are used in our estimation. We find that size, profitability, and interest coverage ratios have a significant positive relation to dividend policy.

Key words: *NSE,POLSs.*

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Comparative analysis of ICICI & HDFC on mutual funds

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Abstract:

It is a well-known fact that money attracts money and but natural individuals are interesting in earning more money in the present times than compared to the previous times due to high level inflation and reduced value of rupee and increased cost of living. The only place where money is doubled in stock exchanges but the market suffers from high volatility and high risk which attracts only companies, banks and high class people.

People in the middle class and below middle class find it very difficult to make investment in the exchanges as the fear losses and don't want to risk their hard earned money, offering solution to such money dilemma is mutual funds. The present paper brings a comparative analysis of two popular bank mutual fund schemes. In the introductory chapter, I have consider the role of mutual fund in today's investing environment, learn just how popular mutual funds have become and consider why investors have chosen to put so much money into funds. Clearly, mutual funds are a major financial asset for numerous investors, and in many ways they play the dominant role in today's investing world for millions of house holds.

I have also told about the basics of mutual funds, defining terms and discussing the mechanics about how funds work. I have also considered other alternatives .I have mainly focused up on the study that which company's mutual investments are mostly preferable by investors. Today investors are becoming rational & they see all the parameters before investing. I had also reviewed the types of mutual funds, structure of mutual funds and their current scenario.

The over all objective of my study on this project is to know which company provides better investment opportunities from HDFC & ICICI and make the investors to be able to take better decisions. Of course, as every study needs, I'd adopted an objective view of over all situation that examines both sides of the issue situated in HDFC &ICICI.

Key words:

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Paper ID: ICCIASH-2022/719

A STUDY ON PROJECT BUDGET CONTROL HDFC BANK

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Abstract:

No system of planning can be successful without having an effective and efficient system of control. Budgeting is closely connected with control. The exercise of control in the organization with the help of budgets is known as budgetary control. The process of budgetary control includes: Preparation of various budgets Continuous comparison of actual performance with budgetary performance, Revision of budgets in the light of changed circumstances. A system of budgetary control should not become rigid. There should be enough scope of flexibility to provide for individual initiative and drive. Budgetary control is an important device for making the organization. More efficient on all fronts. It is an important tool for controlling costs and achieving the overall objectives

Key words: *Budgetary control, Budget preparation, Management action and cost control, Master budget.*

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Paper ID: ICCIASH-2022/702

A STUDY ON FINANCIAL PERFORMANCE ON KOTAK BANK

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Abstract:

The banking sector plays an important role in the economic development of a country. The banking system of India is featured by a large network of bank branches, serving many kinds of financial services of the people. Kotak Mahindra Bank is the second largest and leading bank in the private sector in India. The Bank has 2,533 branches and 6,800 ATMs in India. The purpose of the study is to examine the financial performance of ICICI Bank, and the private sector respectively. The research is descriptive and analytical. The data used for the study was entirely secondary. The present study is conducted to compare the financial performance of Kotak Mahindra Bank based on ratios such as credit deposit, net profit margin, etc. The period of study taken is from the year 2016-17 to 2020-21.

Key words: *economic development, banking system, financial services, bank branches.*

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Paper ID: ICCIASH-2022/718

A STUDY ON E- BANKING AT ICICI

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Abstract:

Banking system occupies an important place in a nation's economy. A banking institution is indispensable in modern society. It plays a pivotal role in the economic development of a country and forms the core of the money market in an advanced country. Without a sound and effective banking system in India it cannot have a healthy economy. The banking system of India should be able to meet new challenges posed by the technology and any other external and internal factors.

offers a wide range of banking products and financial services to corporate and retail customer through a variety of delivery channels and through its specialized subsidiaries and affiliates in the areas of investment banking. The study is about the customer awareness towards internet banking service provided by ICICI bank with special reference towards HYDERABAD (AS RAO NAGAR) branch. 150 samples are collected from the customers. Different analysis has been done by using the statistical tools. The study is hoped to be essential and good to reveal certain facts.

Data collection method was adopted, in which questionnaire is administered by adopting directing interview method to carry out project work. The information collected was processed, coded and tabulated. The tabulated information was analyzed through percentage method. From these inferences were drawn. Based on the inference suggestions and recommendations were given.

Key words: *technology, statistical tools, tabulated information.*

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Paper ID: ICCIASH-2022/705

A STUDY ON MUTUAL FUNDS WITH SPECIAL FOCUS ON HSBC

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Abstract:

Three Boston executives 1924 pooled their money with no idea how popular the assemblage would become. The formation of Unit Trust of India, 1963 along with the inventiveness of the Government of India and Reserve Bank, led to the dawn of a new industry i.e., mutual fund industry in India. Its huge corpus enables diversification, thereby minimizing the risks and maximizing the returns. To become customers' preferences nowadays, numerous specialized plans specific to retirement, children, etc. have also been fabricated. The present paper attempts to learn about Mutual Fund, and their various schemes and analyse the different risk factors involved.

The biggest problems with mutual funds are their costs and fees. They include Purchase fees, Redemption fees, Exchange fees, Management fees, Account fees & Transaction Costs. Some loads add to the cost of the mutual fund. Load is a type of commission depending on the type of funds.

Key words: *Diversification, Mutual Fund, Return, Risk, Schemes.*

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Paper ID: ICCIASH-2022/711

RISK AND RETURN ANALYSIS OF EQUITY SHARES OF SELECETED BANKS NSE

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Abstract:

In each country the banking system plays a prominent role in the development of its economy, and Indian banking sector is not exceptional. Indian financial sector is the backbone of the country's economy development, the banking sector plays a key role in empowerment of all areas. In the capital market, the equity market plays a huge role. And it's volatile in nature too. Banking sector equity market has volatility and less returns on investment in some of the banks and some of the banks have more volatility in investment also. The investors identify the minimum risk and maximum return on investment decisions through portfolio analysis. Hence, understanding the risk involved in the investment helps to maximize returns. This study helps investors to understand from the Previous Behaviour of Selected data., to make the best decision through market volatility, the primary objective of this study is to analyse the risk and return of selected banking securities.

Key words: *Risk, Return, Banking sector, Empowerment.*

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Paper ID: ICCIASH-2022/794

A Study on Common Size and Comparitive Statement at Kotak Mahindra

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Abstract:

RBI is the Head to regulate banking sectors in India. Kotak Mahindra Bank are the two major players in private sector banks in India. Due to the pandemic situation banking sectors faced a big challenge. The study was used to analyze the financial wealth and performance of Kotak Mahindra Bank and to compare the past and future performance. Ratio analysis for Comparative Balance Sheet Analysis and Common size balance sheet Analysis are used to interpret the financial statement of the bank. The study concludes that the overall performance of Kotak Mahindra bank was satisfactory. A common Size Statement is one of the tools used in connection with the analysis and interpretation of financial statements. This statement indicates the relationship of various with some common items (expressed as a percentage of the common items)

Key words:

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Paper ID: ICCIASH-2022/735

A study on Brand Awareness Royal Enfield

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Abstract:

Brand mindfulness is the level of shopper familiarity with a brand and its related items. Making brand mindfulness is one of the key strides in advancing and advertising an item. Brand mindfulness is especially imperative when propelling new items and administrations. It enables an organization to separate itself from contender offered items and administrations.

The purpose of the study is to know the brand awareness of Royal Enfield in the minds of customers and change in buying behaviour can be estimated by this study. The marketing strategies can be designed in accordance with this change. It will be helpful for the managers to make decisions. Hence, this study should be conducted. The main important purpose of the study is to know the awareness level of royal Enfield brands, and I also like to know the factors, which influences the purchasing of the bike. The study is conducted in Hyderabad City at Royal Enfield showroom including the other company's bike showroom and by random sampling. The main objective of the study on brand awareness with respect to Royal Enfield bikes, to know the top brands preferred by customers among the various available, to know the various criteria for choosing particular brand of bike, to find the factors like Brand Name, Safety, Comfort, Price, Maintenance, Aesthetics, etc., that influencing the buying behaviour of customers while choosing a particular company bike, to analyse the expectations of the customers, to know the opinion about brands of Royal Enfield.

Key words: *Brand Awareness, Royal Enfield, Customer Satisfaction, Mileage, Bikes, Performance.*

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Paper ID: ICCIASH-2022/737

A study on Brand Image – Hyundai

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Abstract:

Brand image is the overall impression in consumers' mind that is formed from all sources. Consumers develop various associations with the brand. Based on these associations, they form brand image. An image is formed about the brand on the basis of subjective perceptions of associations bundle that the consumers have about the brand. In automotive industry, Volvo is associated with safety and Toyota is associated with reliability.

Today costumers are facing a growing range of choice in the different brands of products and services. They are making their choice on the basis of their perceptions of brand, quality service and value. The company has to adopt strategies to keep brand in consumer's memory. A strong brand awareness means easy acceptance of new products. An organization has to measure the level of awareness of the potential customers and has to adopt different strategies to enhance the awareness level and to identify the appropriate promotional tool.

In the emerging knowledge-based economy it has become necessary to know how much market power lies with the brand name. The study of brand awareness is essential in marketing planning. Customer needs and preferences keep changing were brands ultimately command customer's loyalty.

The main objective is to study about the four wheelers. To study about the HYUNDAI MOTORS LTD products. To know about the brand image of HYUNDAI MOTORS LTD. To know about the valuable attributes of four-wheeler. To know the performance level of HYUNDAI MOTORS LTD products. To know about why the customer like this car. To know about what customer needs and what the company is providing.

Key words: *brand image, Hyundai, four-wheeler, Indian families, performance*

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Paper ID: ICCIASH-2022/738

Pattabi Agro Foods and Pvt Ltd

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Abstract:

Pattabi Agro Foods Private Limited is an unlisted private company incorporated on 13 October, 2005. It is classified as a private limited company and is located in West Godavari, Andhra Pradesh. It's authorized share capital is INR 64.00 cr and the total paid-up capital is INR 38.27cr, Pattabi Agro Foods's operating revenues range is Over INR 500 cr for the financial year ending on 31 March, 2021. It's EBITDA has increased by 26.37 % over the previous year. At the same time, it's book networth has increased by 31.64 %. Other performance and liquidity ratios are available here. Description The company is engaged in trading and processing of paddy, rice and Agri commodities Products & Services are Idly Ravva, Oil, Pulses, Rice Ravva, Rice, Sugar, Dals.

Key words: *Retail trader*

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Paper ID: ICCIASH-2022/734

A Study on Consumer Behaviour on Tata Motors

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Abstract:

Background & Objectives: Cars became a need rather than a choice. It is a need of everyone to purchase the luxurious commodity for their comfort. Moreover, added features attract consumer attention. As a result, it is important that individuals gather more information to purchase a car. The present paper has empirically investigated two objectives: first, to find out the major factors that affect consumer perception towards different brands of cars, and second to develop a model framework for various decision areas of consumers while purchasing a car. The study is mainly primary data based on a sample of 300 respondents from the Hisar district of Haryana state and applied statistical tools of factor analysis and Discriminant analysis to achieve the objectives of the study. Major findings & Policy Implications: The results of factor analysis revealed five factors named: product strategies, technology know-how, level of satisfaction, workshop features, and lastly service orientation. Factor analysis discloses that consumers are more influenced by product strategies, technology know-how, and level of satisfaction. Hence consumers need the USP of a commodity that makes a difference. Further results of the discriminant analysis revealed that consumers are more influenced by product strategies, followed by technology know-how and to some extent level of satisfaction and service orientation. On the other hand, consumers are least influenced by the factor workshop features.

Key words:

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Paper ID: ICCIASH-2022/733

A study on Brand Equity at Lakshmi Hyundai

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Abstract:

The project "A Study on Brand Equity at Lakshmi Hyundai" in Hyderabad city aims to study the Brand equity of Hyundai vehicles and the variable which contribute to brand equity. Hyundai motors are the fifth largest automobile company in India with a consistent track record of being one of the fastest growing companies, quarter on quarter, for the past few years.

This study includes a descriptive research design, in which a personal survey has been used. For the survey, a Questionnaire has been designed to collect the response of the respondents and a sample size of 100 respondents has been selected on a non-random sampling basis for carrying out research work. After collecting data, it was found that Brand association and perceived value are the most contributing factors as most of the people respond in favour of this question of this variable, and, brand awareness is a weak variable in Brand equity as many people are not aware of Lakshmi Hyundai. So, there is a scope for increasing awareness. And after applying tests, it was found that variables did not have any significant difference across demographic variables. And except for two variables not any other has not any association with a demographic variable.

Key words: *Brand Equity, Hyundai, Lakshmi Hyundai, Brand Awareness.*

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Paper ID: ICCIASH-2022/732

A STUDY ON LOYALTY PROGRAMS AT BIG BAZAR

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Abstract:

The Brand loyalty programs at big bazaar consists of a consumers commitment to repurchase or continue to use of the same brand .it can be demonstrated by repeated buying of a product, service or other positive behaviour such as word of mouth advocacy the concept of brand displays imagery and symbolism for a product or range of products. The big bazaar loyalty programs have the power to engage consumers and make them feel emotionally attached.

Brand loyalty can be shortly defined as "behavioural willingness" to constantly maintain a relations with a particular brand, the loyalty programs by big bazaar is of loyalty cards are the most commonly used loyalty programs throughout the world and also include pay back card, future pay app, profit club card, primary data is used to conduct the study the sample size of the study is 106.

The main objective of the study on loyalty programs with respect to big bazaar to study various marketing activities at big bazaar, to know about the customers perception about the loyalty cards in big bazaar .and customer seva desk service in big bazar

Key words: *loyalty programs, big bazar, Customer loyalty, loyalty cards, future pay.*

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A STUDY ON BRAND PROMOTION OF COCA COLA

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Abstract:

Started In 1886, as a small patented medicine company based in Atlanta, USA, to the world's largest soft drink manufacturer. Coca-Cola with its rich history and legacy of over a decade, with its exceptional marketing strategies and a supreme portfolio consisting of over 500 beverages such as Sprite, Thumbs Up, Maaza, Minute maid and mineral water brand like Kinley known in India as Hindustan Coca-Cola Beverages (HCCB) has been in Indian markets since 1987. Catering to the thirst and cravings of millions of Indians annually, contributing a significant amount to the Indian economy in terms of investments and employment opportunities. Coca Cola has come a long way using aggressive mass marketing strategies. Being the pioneers in the field of adaptive marketing or marketing with accordance to the consumer behavioral trends is what built a strong brand image for coca cola especially in the Asian markets. Coca Cola is the one brand which is recognized by everyone around the globe. When we talk about brand equity then it is its value & it's about stories, memories, associations, and human connections (although of course, these connections would have been very carefully and deliberately engineered by talented marketers over many years and countless board meetings).This is something that Coca-Cola has been the master of for over 100 years. This equity is derived from people's willingness to pay a premium for the brand and an unwillingness to accept substitutes. Coca-Cola's marketing strategy has always been to associate happiness, positivity and the good life with their products, & that's how they are able to create high TOMA (Top of mind awareness).In this research paper, we analyze the different marketing strategies being used by coca cola, especially influence and usage of social-media and digital marketing techniques and the extent to which it is able to influence a consumers behavior and how he or she reacts to the changing product or price made by the coca cola.

Key words: *portfolio, consumer behavior, social media, digital marketing.*

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Paper ID: ICCIASH-2022/730

An analysis of Fixed Asset Management at Kotak Mahindra Bank

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Abstract:

Fixed asset, also known as a non-current asset or as property, plant, and equipment (PP&E), is a term used in accounting for assets and property which cannot easily be converted into cash. This can be compared with current assets such as cash or bank accounts, which are described as liquid assets. In most cases, only tangible assets are referred to as fixed.

Moreover, a fixed/non-current asset can also be defined as an asset not directly sold to a firm's consumers/end-users. As an example, a baking firm's current assets would be its inventory (in this case, flour, yeast, etc.), the value of sales owed to the firm via credit (,i.e. debtors or accounts receivable), cash held in the bank, etc. Its non-current assets would be the oven used to bake bread, motor vehicles used to transport deliveries, cash registers used to handle cash payments, etc. Each aforementioned non-current asset is not sold directly to consumers.

These are items of value which the organization has bought and will use for an extended period of time; fixed assets normally include items such as land and buildings, motor vehicles, furniture, office equipment, computers, fixtures and fittings, and plant and machinery. These often receive favorable tax treatment (depreciation allowance) over short-term assets.

According to International Accounting Standard (IAS) 16, Fixed Assets are assets whose future economic benefit is probable to flow into the entity, whose cost can be measured reliably. Fixed assets management is an accounting process that seeks to track fixed assets for the purposes of financial accounting, preventive maintenance, and theft deterrence.

Many organizations face a significant challenge to track the location, quantity, condition, maintenance and depreciation status of their fixed assets. A popular approach to tracking fixed assets utilizes serial numbered Asset Tags, often with bar codes for easy and accurate reading. Periodically, the owner of the assets can take inventory with a mobile barcode reader and then produce a report.

Key words: *Fixed assets, depreciation, non-current assets.*

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Paper ID: ICCIASH-2022/793

A COMPARATIVE INVESTMENT ANALYSIS OF MUTUAL FUNDS &ULIPS AT KOTAK MAHINDRA LTD

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Abstract:

There has been a radical transformation in India's investment environment since 1991, when the country was confronted by a severe crisis due to a sharp plunge in its foreign exchange reserves, a downgrading of credit rating, etc. The only way out was to initiate reforms and structural adjustment programme, with the result that today there are domestic and foreign financial institutions, like mutual funds, broking firms and insurance companies, operating in Indian market. The most difficult and important change in the past 50 years or so is the change in the mindset of the customer. The entire investment scenario is changing, in past all the important sectors of the economy were more or less working in a seller's market, but now they are more concerned with the customers and the service offered to them. If compare to old days now people have many options for investment like life Insurance, mutual funds, Equity market, real estate etc. Today people want more services and more return on their investments i.e., most of the insurance companies are providing more value-added services with the basic insurance operation. Another option for investment available for people nowadays is Mutual Fund. Mutual funds are providing good returns. so while investing people tend more towards Mutual Funds as they are providing more return and safety than insurance also, with a good investment portfolio mutual funds are providing more liquidity. The project was taken to know about various aspects of Kotak Mahindra Pvt Ltd... This gives it high business and customers. Customers always prefer to invest in instruments having high return and safety and in a company which is a market leader. After analysis I came to know that there are many people who go for ULIP insurance policies to cover the risk of life, and invest it in good portfolio but there is a big portion of customers who have taken the policies to save the taxes, and many people are aware about the tax benefits they get from Insurance policies. Therefore, while investing in any Investment option investors checks whether his money is safe or not, mutual funds provide good return but investment are directly exposed to risks, In ULIP returns are related to stock market but they also have some insurance benefits and IRDA regulates the investment. Many people are getting the tax benefits in ULIP but in Mutual Fund they have to invest their money in tax saving funds to get the benefits. Both have some benefits and more or less its depends on the person and his ability to take risk and invest.

Key words:

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RISK MANAGEMENT IN HDFC BANK

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Abstract:

The prime activity of a bank is to lend money and earn profits in the form of interest but by doing so the money is exposed to the risk of default where the borrower is not able to pay the money back in specified period or becomes insolvent.

The research study carried out at HDFC Bank under the topic "Risk Mitigation practices in banking- a study of HDFC bank" to fulfill the said motive turned out to be useful in understanding the various policies and practices used by the bank to manage the different types of risk that arise in banking. The study is grounded on the both primary as well as secondary data. The purpose of the study was to examine the different practices followed by the bank to such type of risks and how these practices has helped the bank to decrease the effect of the risk on the profitability and operations . The study also coves the recent trends in the Non-Performing Asset levels of the bank and how bank has been successful in decreasing the pace of NPAs to minimize the burden of securitization.

Key words: *Risk Exposure Analysis, Open Position, Duration, Modified Duration, Convexity.*

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Paper ID: ICCIASH-2022/708

ANALYSIS OF ARBITRAGE TRADE OF STOCK TRADING IN BSE & NSE

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Abstract:

The security market is the place where suppliers and users of capital, meet to share each other vision and aspirations. The issued shares are traded hence it is called a secondary market. The individuals in the market transfer the funds from nonprofitable investments to profitable investments. This transfer of funds from low return shares to high return shares forces the firms to improve their performance to increase the intrinsic value of shares. Arbitrage is the deviation or difference between the market prices of a share. The arbitrage is gained when there is a difference in the price of a share in two markets. The arbitrage provides some profits to the individuals in the market.

The arbitrage is the return for the invested amount and it is also for the skills used to get the deviation between the prices. The investors purchase the security from where the price is low and sell it in the market where the prices are high. These days, due to online trading, deviations in the market prices are occurring in rare. So it may be a difficult task to search for an opportunity of getting arbitrage.

Key words: *deviation, arbitrage, market.*

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Paper ID: ICCIASH-2022/716

A Study on Insurance Policies at LIC

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Abstract:

A promise of compensation for potential and future losses in replace of a periodic payment. Insurance is designed to protect the financial well-being of an individual, company or other entity in the case of unexpected loss. Some forms of insurance are required by law, while others are optional. Agreeing to the terms of an insurance policy creates a contract between the insured and the insurer. In exchange for payments from the insured (called premiums), the insurer agrees to pay the policyholder a sum of money upon the occurrence of a specific event. In most cases, the policy holder pays part of the loss (called the deductible) and the insurer pays the rest. Examples include car insurance, health insurance, disability insurance, life insurance, and business insurance.

Compensation is made from a fund to which a lot of individuals exposed to the similar risk have contributed sure specified amounts, called premiums. Sum for an individual loss will be divided among many, does not fall a great deal upon the real loser. The core of the agreement of insurance is called a policy. The main operations of an insurance company are underwriting the purpose of which risks the insurer can take on and pace making the decisions regarding essential prices for such risks. Under writer is accountable for guarding aligned with unfavourable selection, where in there is extreme cover age of high risk candidates in percentage to the exposure of low risk candidates. To prevent an adverse choice the underwriter is obliged to consider psychological, physical and moral hazards in relative to applicants. Physical hazards comprise those dangers which enclose the individual or a property, put at risk the well being of the insured. The sum of the premium is determined by the process of the law of averages as calculated by actuaries. Investing premium payments in a broad range of income producing projects, insurance companies have turn out to be major suppliers of funds, and they grade amongst the nation's major institutional investors.

In easy terms, insurance allows somebody who suffers a loss or mishap to be compensated for the result of their calamity. It protects everyone aligned with everyday risks to health, home and financial circumstances.

Key words:

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Paper ID: ICCIASH-2022/709

AGRICULTURAL INSURANCE IN INDIA WITH REFERENCE TO SBI BANK

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Abstract:

Agriculture insurance assumes vital and significant importance in the agro – socio – economic development of the country both at macro and micro level. It is playing a catalytic role in strengthening the farm business and augmenting the productivity of scarce resources. When newly developed potential seeds are combined with purchased inputs like fertilizers & plant protection chemicals in appropriate / requisite proportions will result in higher productivity. Use of new technological inputs purchased through farm insurance helps to increase the agricultural productivity.

Until 1935, the money lenders had been farming the only source of credit. They used to charge excessively high interest rates and follow severe practices while lending and recovering. As a result, farmers had to pay heavy debts and many of them continued debt. By the Reserve Bank of India Act of 1934 the Central Co-op of District. While the co-operative banks began financing agriculture in 1930 with their establishments, the real impetus came only after the Independence, when appropriate legislation and policies had been enacted. Then, by opening branches in rural areas and drawing deposits, bank lending to agriculture has made phenomenal progress.

The objectives of study is to develop rural economy, To provide credit for agriculture and allied activities, To encourage small scale industries, artisans in the villages, to reduce the dependence of weaker sections (Marginal farmers, small farmers and rural artisans) on private money lenders. To fill the gap created by the moratorium on borrowings from private money lenders, to make backward and tribal areas economically better by opening new bank branches. To help the financially poor people in their consumption needs, Stability in Income: It protects the farmers against losses caused by crop failure; it acts like a tool that allows farmers to manage their yield and price risks.

Key words: *Agriculture, Insurance, farming, Loans, Banks, Finance.*

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Paper ID: ICCIASH-2022/725

Inventory management and performance with reference to Hyundai motor company

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Abstract:

The purpose of inventory management is to ensure availability of raw material in sufficient qualities as and when required and also minimize investment in inventories. There is an essential to manage inventories efficiently and effectively in order to avoid excess investment. It is possible for a company to reduce the level of inventories to a considerable extent without any adverse effect on production and sales by using simple inventory planning and control techniques. The reduction of excessive inventories will create a favorable impact on the company profitability. Inventory turnover ratio, inventory conversion period are very helpful to know how effectively plays and control in the organization EOQ analysis will enables the organization to use of EOQ analysis is very effective and useful tool for classifying, monitoring and control of inventories.

Key words: *Inventory, Investment, EOQ.*

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Paper ID: ICCIASH-2022/750

A study On Comparison between investment in equity and Mutual Funds at Reliance Mutual Funds

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Abstract:

This project is to investigate the Nippon mutual funds. My goal of this project is to find out the processes by which this was done. For this have used questionnaire method. Gathering information and finally analysing the data so for doing this project successfully first I have gathered information about the company from different peoples. After that have talked personally with the Managers and Senior Executives and have gathered information about the customers and getting feedback from them. For this purpose, have visited customers and have gathered information from them as well to prepare this project. The project given to me is completed after completing the company surveys and have successfully arrived at conclusion and have also given useful suggestions.

Key words: *Nippon, mutual funds.*

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Paper ID: ICCIASH-2022/751

A study on Comparison of an initial public offer in the infrastructure sector Angel Broking Co

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Abstract:

IPOs are particularly suitable investments for anyone who is looking for a large amount of growth in a short period for their capital. Before utilizing an IPO investment though, considers performing an IPO valuation to ensure we are buying an investment that is worthwhile capital. An evaluation is one of the most important steps we can take when we are considering an investment in the open marketplace. During this phase of the investment process, look into a variety of different factors that can affect the financial situation of the IPO we are interested in, this is an important step in how to IPO.

As we are scouring financial statements representing the company we are investing in, should first analyze the value of the current assets of the company. Next, we should analyze the value of the debt the company owes. Once we compare these two factors, we will understand where the company currently stands financially speaking. The best investments available are investments consisting of companies that have far less debt than they do assets. If we can compare the assets of the company to its debt and find that the current sale price of the company is less than the difference between these two sums, we can be certain that we are evaluating a very valuable investment.

Of course, we should look into many other factors that can affect weir investments too. The amount of income the company is receiving on an ongoing basis is one of the most important factors we can consider. We should also analyze the value of the expenses the company is currently facing due to operating costs. As we compare the amount of income the company is pulling in compared to the number of expenses it is paying out, we will understand its current financial situation. As we probably already know, a company's income should far exceed the total expenses the company is experiencing each month and each year.

Another important factor we should take into consideration as we are looking at an IPO investment is the type of products and services the company offers. If, once we analyze the company's current product presentations, we will understand the type of company we are looking at. If we would buy the products the company is selling on our own, we can be certain that we are analyzing a high-quality company.

Key words: *IPO, Investment.*

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Paper ID: ICCIASH-2022/749

A STUDY ON SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT USING MODERN PORTFOLIO THEORY AT IDBI FEDRAL LIFE INSURANCE

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Abstract:

Traditional security analysis emphasizes the projection of prices and dividends accordingly to the potential price the of firm's common stock and the e future dividend seems to be forecast and the discount allowed 10%. This study assumes that an investor purchases the share at the beginning of the month and he sells the share at the end of the month. Investors decide based on previous returns and risks that are unsystematic risks.

For making a proper investment involving both risk and return, the investor has to make identify undervalues securities for buying and overvalued securities for selling is both an art and a study of the alternative avenues of the investment-their risk and return characteristics, and make a proper projection or expectation of the risk and return of the alternative investments under consideration. The investor has to tune the expectations to this preference of the risk and return. For making a proper investment choice. The process of analyzing the individual securities and the market as a whole and estimating the risk and return expected from each of the investments is called security analysis. The dividend is not considered in the calculation of Return. The price change is only taken into consideration.

This scope of the study is limited to 6 firms /companies of selected industries. Pharmaceutical, Information Technologies, Automobile, & 12 companies/banks from bank Banking Industry.

Key words: *Portfolio, IDBI bank*

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Paper ID: ICCIASH-2022/753

A STUDY ON NON-PERFORMING OF ASSETS ON HDFC BANK

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Abstract:

The Banking system of an economy is of predominant importance for its monetary and financial development. It types the core of the monetary region and plays a necessary position in transmitting monetary coverage impulses to the whole economic machine. NPAs have turned to be a principal stumbling block affecting the profitability of Indian Banks before 1992, Banks no longer divulge the horrific debts sustained through them and provisions made by using them fearing that it may additionally have adverse. The introduction of prudential norms to fortify the Bank's monetary function and decorate transparency is regarded as a milestone measure in the financial sector reform.

An Explorative learn about was once adopted to achieve the objectives of the study, and they learn about used to be carried out in HDFC Bank, "Non-Performing Assets". The objective of the study is to analyse the NPA stage, and how some distance financial organization has been successful in decreasing the NPA level. This project is an attempt to compare the non-performing assets of HDFC Bank

Using the secondary data analysis and to comment on their performances too. This study also identifies the cause of the increasing non-performing assets in the Banks with a few suggestions that have also been extended.

Key words: *Non-Performing of Assets, HDFC Bank, Indian economy.*

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Paper ID: ICCIASH-2022/748

A Study on Working Capital Management

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Abstract:

A company's finances are its lifeblood. Financial management is an analysis of the method of obtaining financial capital and judicious use of those resources in order to maximize shareholder wealth.

"The effective use of a valuable economic resource, namely capital funds, is the focus of financial management." Finance plays a critical role in any business unit, from its inception and registration to its closure.

In a nutshell, financial management is a managerial practice that involves the preparation and control of a company's financial resources. The modern approach to financial management necessitates four large decision areas, namely:

- Working Capital Management
- Investing Decision
- Financing Decision
- Dividend Policy Decision

This study examines the most recent judgment, namely Working Capital Management. It's critical for short-term survival, which is essential for long-term success. It is concerned with existing asset management. If the company doesn't have enough money to fulfil its needs, it won't be able to operate efficiently. Company financial criteria can be divided into two categories:-

1. Short Term Financial Requirements.
2. Long Term Financial Requirements.

Working capital requirements necessitate the use of short-term funds. They are normally only needed for a year and are only needed for a short time; they grow rapidly and at a fair cost.

The funds needed for this project can be raised by taking out a short-term loan or getting discounted bills from commercial banks, and they are self-liquidating over time.

Long-term financial needs are met by funds provided by businesses that provide continuous use of funds for a long period of time, such as shares, debentures, and loans from commercial banks and financial institutions.

Key words:

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Paper ID: ICCIASH-2022/792

STUDY OF WORKING CAPITAL MANAGEMENT AT ICICI BANK

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Abstract:

Working capital management refers to administration of all aspects of current assets, namely cash, marketable securities, debtors and stock and current liabilities. The financial manager must determine levels and composition of current assets. He must see that right sources are tapped to finance current assets, and that current liabilities are paid in time. He must see that right sources are tapped to finance current assets and that current liabilities are paid in time. The term working capital stands for the form capital which required for the financially of working or current need of the company. It usually invested in raw materials work in progress finished goods account receivable and saleable securities. Management of working capital usually involves planning controlling of current assets, namely cash and marketable securities, asset receivables and inventories and also the administration of current liabilities. Investment in current assets represents a very significant portion of the total investment in assets. Working capital management is critical for all firms. A small firm may not have much investment in fixed assets but it has to invest in current assets. Small firms in India face a serve problem of collecting their debts. Banks have their own policies to assess the working capital of the firm to finance them with the shortage.

Key words: *Debtors, cash*

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Paper ID: ICCIASH-2022/756

A study on common size and comparative statement

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Abstract:

A Primary limitation of the typical economic statements comprising the balance sheet and the earnings and loss account is that they do not supply all the information related to the monetary operation of a firm. Nevertheless, they furnish some extra ordinanly useful information to the extent that the balance sheet mirrors the economic position on a precise date in terms of the structure of the assets, latilities and owners, equity, and so on and the earnings and loss account shows the outcomes of operation at some stage in a certain length of time in terms of the revenues acquired and the cost incurred at some point of the year. Thus, the financial statements supply a summarized view of the financial function and operations of a farm. Therefore, a good deal can be learnt about a company from a careful examination of its economic statements as valuable documents/performance reports. The analysis of financial statements is, thus, a vital aid to financial analysis.

Key words:

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Paper ID: ICCIASH-2022/442

ACCIDENTS AVOIDING SYSTEM USING MAGNETS

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Abstract:

Road accident is the most unwanted thing to happen to a road user, though they happen quite often. The most unfortunate thing is that the road users do not learn from their mistakes on the road. Most of them are quite well aware of the traffic rules and safety measures while using the road. Main causes for the road accidents are over speeding, drunken driving, distractions to the driver, red light jumping, avoiding safety gears like seat belts and helmets and overtaking in a wrong manner etc. Various international and national researchers have found these as the common behavior of the road drivers which leads to the accidents. In order to overcome these road accidents, an intelligent idea is proposed. This idea deals with the use of artificial monopoles fitted externally to the vehicles so that the vehicle stops due to repulsion of the magnets.

Key words: *Road accidents, Magnets, monopoles.*

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Paper ID: ICCIASH-2022/340

FACIAL EMOTION RECOGNITION AND DETECTION SYSTEM

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Abstract:

Emotional dimensions have an immense effect on social intelligence, including knowing communication, decision-making. During conversation, emotion place a crucial role. Vocal mode of communication, face expression and emotional recognition can be rendered in different ways and can be verbal or non verbal. While the influence of the message is conveyed by total of just 7% verbal, facial expression is a facial contribution of 38% by vocal and 55% by speaker. Automated and efficient facial expression also plays a major role in the interaction between people and machines. From human facilities to clinical procedures, facial expression can be valuable identification.

Key words: *verbal and non verbal.*

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Paper ID: ICCIASH-2022/350

BIDIRECTIONAL VISITOR COUNTER WITH AUTOMATIC LIGHT CONTROL USING ARDUINO

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Abstract:

The paper describes an electronic setup auto activated whenever the intruder enters to the unauthorized no entry area. The circuit which is used for controlling the room lights according to the count of persons in the room and simultaneously works as "security system" when the load is attached. An arduino setup is done here. When somebody enters into the room then the counter will be incremented and decremented accordingly the led light or the load in the room will be switched ON and OFF when any one leaves the room or if room is vacant. The number of lights will be on according to the total number of persons inside the room and the count will be displayed. A reliable circuit that takes up the task of controlling lights, counting of persons and ensures security and saving of electricity. Applied to homes, colleges, offices and auditoriums or automation too.

Key words: *arduino, LED, security.*

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Paper ID: ICCIASH-2022/351

BLOCK CHAIN BASED ARCHITECTURE AND SOLUTION FOR SECURE DIGITAL PAYMENTS

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Abstract:

Payment systems have undergone significant modifications as a result of the development of internet technology, from entity exchange to online banking. Virtually every industry has undergone the transition from traditional to digital technologies. Making payments has never been simpler thanks to the development of online payment and digital wallet systems like UPI, and as demand for these services rises, so does the number of people using immediate money transfer systems. However, the current online payment system has problems with insider problem, transparency, and single point of failure. In order to reduce risks and cost inefficiencies, security is also essential for such online payments. A private and permissioned block chain-based payment system for the Indian financial industry is proposed in this project.

Key words: *Block Chain, Digital Payment, assets, ledger.*

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Paper ID: ICCIASH-2022/349

MOTION DETECTION USING ARDUINO AND PIR

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Abstract:

In the proposed framework an astoundingly financially sharp and outrageous discernment structure will be made which will apparently perceive human nearness and trigger the Camera Module , which will begin recording the video and additional to it an outer drive comparably as send a notice on the android application concerning the advancement and in the mean time the client will all around likely watch the live stream of the entire scenario. It can be utilised at Homes also in the fields by the ranchers to recognise an kind of unapproved Human richness. PIR(Passive Infra Red) improvement sensor as the key sensor for advancement ID, GSM module for sending SMS and ringer for alarm. For programming framework utilising Arduino and GSM module. The outcome full fills, the advancement sensor read an information well and within two or three minutes it sends a notice to versatile applications.

Key words: *Arduino, gsm module, LED.*

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Paper ID: ICCIASH-2022/307

DEVELOPMENT OF AN EASY PAYMENT SYSTEM USING IOT

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Abstract:

Internet users are growing rapidly day by day around the world.so the needs of consumers in terms of making payments has changed drastically. Paying cash is a thing of past. Digital payments are making the waves now. E-wallet has become a great potential in the e-commerce market. More and more users show preference in E-wallet transaction rather than using cash in hand. However, the usage of E-wallets has been in question. This paper evaluates the positive and negative impacts of E-wallet to users.E-wallet is a software application that uses electronic devices such as computers or mobile devices for online transactions. E-wallet is also a payable device without the use of cash or money. This helps the seller to collect the customer's payment through the use of the unique two-dimensional quick-response code, also known as (QR) code that the seller generates. For example, Grab pay, Boost, Touch n Go e-wallet, Alipay, Google pay and so on. If the customer wants to use this method of payment, they will need to install the Mobile app to begin the payments and services. They can purchase the payment of their products by scanning the QR code using the relevant app. In contrast, there are two types of QR code that are mostly available in the market. For example, Dynamic QR code and Static QR code. For dynamic QR code, it means that buyer not really need to enter the purchase amount for QR payment because the account details and transaction amount are fixed into the QR code.

Key words: *IoT,E-wallet.*

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Paper ID: ICCIASH-2022/312

MAKING A SEARCH ENGINE

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Abstract:

A search engine is a software system designed to carry out web searches. They search the World Wide Web in a systematic result, often referred to as search engine result pages. Each search engine uses different complex mathematical algorithms for generating seek outcomes, one of a kind search engines like Google and Yahoo understand distinct elements of an internet web page consisting of page title, content material, Meta description. There are over 200 parameters that are used by search engine to determine the relevancy and popularity of the search result via the different search engines. This includes the title, keywords, density, Meta description, relevance of the content, back links, etc.

Key words: *Search Engine, web pages.*

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Paper ID: ICCIASH-2022/315

Online Examination Using Java

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Abstract:

This Online Examination System is a software solution, which allows any industry or institute to arrange, conduct and manage examinations via an online environment. It can be done through the Internet/Intranet and/Local Area Network environments. Some of the problems faced during manual examination systems are the delays in result processing, filing poses a problem, filtering of records is difficult. The chance of loss of records is high also record searching is difficult. This paper describes the principle of the system, presents the main functions of the system, analyses the auto-generating test paper algorithm, and discusses the security of the system.

Key words: *LAN, Intranet.*

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Paper ID: ICCIASH-2022/319

Li-fi Technology

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Abstract:

Li-fi that is light fidelity is one of the future technologies in wireless communication sector. It is a bidirectional, with a very high speed and is a fully networked communication which is wireless technology similar to Wi-Fi. In the present era, Wi-Fi is the most trending domain as internet uses almost double every year, there is an enormous load on radio spectrum that leads to congestion. To get better bandwidth, efficiency and speed, a new technology Li-fi has evolved. Li-fi can be simply put to be Wi-Fi but instead of radio waves light is used as medium. Here, data is transmitted using light whose intensity varies faster than human eye to capture. Instead of using modems, Li-fi uses LED bulbs with transceiver. Data transmission in Li-fi is about 100 times faster than Wi-fi. Here, in this paper we explore the need for Li-fi. Li-fi technology, proposed by German Scientist-Harald Haas, Harald Haas proposed the technology that transmits the data through illumination. Li-fi is ideal for High speed wireless data transmission in confined area. Li-fi provides higher bandwidth, efficiency, Availability and Security than Wi-fi and has already achieved high speed in the lab. We can implement this system public internet access through street lamps to auto-piloted cars that communicate through their headlights. As the speed of the light is higher hence the data in the future we can implement this technology for fast data access for the laptops, smart phones and tablets will be transmitted through the light in a room.

Key words: *Wi-Fi, Li-fi, LED, Data transmission.*

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Paper ID: ICCIASH-2022/317

IOT BASED COAL MINE SAFETY MONITERING AND ALERTING SYSTEM

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Abstract:

A mining accident is an accident that occurs during the process of mining minerals or metals. Thousands of miners die from mining accidents each year, especially from underground coalmining.

To enhance safety in underground mines, a reliable communication system must be established between workers in underground mines and fixed ground mine system. The communication network must not be interrupted at any moment and at any condition

The proposed sense network architecture is completed based on NODEMCU and cloud technology system can monitor the process of mining intelligently and warn miners and managers immediately when dangerous issues merge, such as gas leaking and sudden temperatures rise.

Key words: *IOT,Cloud.*

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Paper ID: ICCIASH-2022/304

ELECTRICITY BILL CALCULATOR WITH C-PROGRAMMING

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Abstract:

The purpose of electricity billing system is to automate the existing manual system by the help of computerized equipment and full-fledge computer software, fulfilling their requirements, so that their valuable data / information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. It can assist the user to concentrate on their other activities rather to concentrate on the records keeping. Thus, it will help organization without redundant entries. That means that one need not to be distracted by information that is not relevant, while being able to reach the information. Basically, the project describes how to manage for good performance and better services for the clients. The power supply for every household and the billing process of it traditionally uses human effort. This research paper proposes an automatic electric bill payment system which reduces human effort and the customer hurdles. Further, the proposed solution support smart city vision. It manages all the information about Electricity, Connections, Electricity Board, Electricity bill.

Key words: *Calculator, bills.*

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Paper ID: ICCIASH-2022/318

Automatic Plant Watering System Using Arduino

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Abstract:

During summer, most people are too lazy to water the potted plants on their rooftop gardens every day. Explained in this section is a simple and exciting automatic plant watering system that you can build yourself in just a few hours. The aim of this project is to easy the mechanism of watering plant at home with the help of automatic plant watering system which automatically switch the water pump ON or OFF depending on the moisture content of the soil, which is continuously sensed by the soil moister sensor. The entire process is controlled by the Arduino UNO which is programmed using Arduino IDE software.

Key words: *Arduino, Arduino IDE.*

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Paper ID: ICCIASH-2022/313

Highway Wind Turbines

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Abstract:

Wind energy is considered the fastest growing clean energy source however; it is limited by variable natural wind. The objective of the project is to design a wind turbine to recapture wind energy from vehicles on the highway. Highways can provide a considerable amount of wind to drive a turbine due to high vehicle traffic. This energy is unused. Extensive research on wind patterns is required to determine the average velocity of the wind created by oncoming vehicles. The wind turbines will be placed on the medians therefore fluid flow from both sides of the highway will be considered in the design. Using all of the collected data, existing streetlights on the medians can be fitted with these wind turbines. Additionally, since the wind source will fluctuate, a storage system for the power generated will be designed to distribute and maintain a constant source of power. Ideally, the turbine can be used globally as an unlimited power source for streetlights and other public amenities.

HAWT are wind turbine that the blades are rotating horizontally and they are very efficient turbines but occupies large areas, need constant, high velocity wind to operate and they need regular maintenance. However, vertical axis wind turbines are also efficient turbines, they are smaller in size and can be installed anywhere in the cities and highways.

Key words: *HAWT, VAWT.*

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Paper ID: ICCIASH-2022/353

DIY VENTILLATOR USING ARDUINO WITH BLOOD OXYGEN SENSING FOR COVID PANDEMIC

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Abstract:

The Ventilator it describes overview of various researches done. The human lungs are used for respirations. They use push mechanism in each breath inhalation and exhalation process takes place. The DIY ventilator here we design is to help people during "COVID" pandemic. It is ridiculously cheap and affordable. When patients suffer from lung or breathing problem this can be used in patient critical condition. Stepper Motor mechanism is used to push the air bag. When breathing pulse level detected is low this mechanism can be performed. The LED screen is used to display the breathing pulse levels. Also, in a patient critical condition or breathing problem buzzer is fitted in the system to sound an alert as soon as any abnormalities are detected. Apart from this the ventilator must be able to monitor the patient's blood oxygen level and exhaled lung pressure to avoid over/under air pressure simultaneously. The entire system is driven by an arduino microcontroller and a buzzer is fitted to detect any low levels of oxygen count. The ventilator we hear design and develop using arduino encompasses all these requirements to develop a reliable yet DIY ventilator to help in times of covid pandemic. ("Journal of Optoelectronics and Communication – HBRP Publication")

Key words: *optic electronics, pulse, LED.*

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Paper ID: ICCIASH-2022/343

SMART DOOR BELL USING C LANGUAGE

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Abstract:

The internet of Things(IOT) is a network of interconnected physical objects that collect and exchange information and data over the internet. The purpose of this project is to make home or office or any area secure. When someone presses the doorbell, then the doorbell make a video call to the registered number. If someone roams in front of our door. So, if the person is known we can open the door otherwise we can be alert. And also we can talk to the person through mobile only and the person can reply there itself, Because it contains the audio speaker so that we can hear the outside people talks trough the mobile once we pick up the video call. If someone tries to steal it then the steal alarm will be activated.

Key words: *IOT.*

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Paper ID: ICCIASH-2022/352

WIRELESS TRANSMISSION OF POWER USING SOLID STATE TESLA COIL

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Abstract:

The Transmission of Electrical energy from a power source to an electrical load without any conductive medium is called as wireless Power Transfer. Electrical power plays a very important role in today's modern age. For many applications from micro to macro devices, power transmission is done through transmission lines such as small sensors, satellites and platforms, etc. Tesla coil gives the complete study of a wireless transformation of power. As tesla coil is one type of transformer that can be able to produce hundreds and thousands of voltage range levels. It should be able to transfer power without any wires or transmission lines. Tesla coil is also able to use in the places where usage of wires are seemed to be difficult such as wet areas (snow areas). We can use this type of coils in telecommunication applications. It transfers power by selecting the medium for it as space.

Key words: *Transmission, conductive medium.*

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Paper ID: ICCIASH-2022/341

SMART TRAFFIC LIGHT CONTROL

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Abstract:

Traffic light control systems are widely used to monitor and control the flow of automobiles through the junction of many roads. They aim to realize smooth motion of cars in the transportation routes. However, the synchronization of multiple traffic light systems at adjacent intersections is a complicated problem given the various parameters involved. Conventional systems do not handle variable flows approaching the junctions. In addition, the mutual interference between adjacent traffic light systems, the disparity of cars flow with time, the accidents, the passage of emergency vehicles, and the pedestrian crossing are not implemented in the existing traffic system. This leads to traffic jam and congestion. We propose a system based on PIC microcontroller that evaluates the traffic density using IR sensors and accomplishes dynamic timing slots with different levels. Moreover, a portable controller device is designed to solve the problem of emergency vehicles stuck in the overcrowded roads.

Key words: *Traffic light, Transportation, PIC microcontroller.*

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Paper ID: ICCIASH-2022/754

A Financial Performance of ICICI

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Abstract:

Banking plays an important role in the growth and development of the Indian economy in each and every aspect. Banks lubricate the entire financial system and ensure smooth operations in India. It supplies the lifeblood money that supports rapid growth in all the industries as well as for the nation. The financial performance of the banking sector is measured by the increase in the number of banks' branches, deposits, credit, etc. ICICI become the first Indian company and the first bank or financial institution in non–Japan Asia to be listed on the NYSE. This study is analytical in nature. The main purpose of this study is to study the financial performance of ICICI banks. This study is analytical in nature. Secondary Data is collected from annual reports, books, journals, and periodicals. The collected data has been analysed using ratio analysis. The study concludes that ICICI bank was in a growing trend and liquidity parameters were in the top position.

Key words: *bank, growing, institution, financial, camel, analytical, liquidity, growth, trend.*

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Paper ID: ICCIASH-2022/757

WORKING CAPITAL ON KOTAK MAHINDRA BANK

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Abstract:

Working Capital may be regarded as the most important factor of a business. Its effective provision and utilization can do much to ensure the success of a business.

While the efficient management may not only lead to loss of projects but also to the ultimate shown fall of what otherwise would be considered as promising concern. A study on working capital is of major importance, because of its close relationship with current day-today operations of a business.

The team working capital stands for that form of capital which is required for the financially of working or current need of the company. It is usually invested in raw material work in progress finished goods accounts receivable and saleable securities.

Management of working capital usually involves planning and controlling current assets, namely cash and marketable securities, assets receivable and inventories and also administration of current liabilities.

Working Capital or current assets management is one of the most important aspect of the over all financial management. It is concerned with the problem that arises in attempting to manage the current assets.

The current liabilities and the inter relationships that exists between them. Current assets are the assets, which can be converted into cash with in an Accounting year and includes cash short-term securities, debtors, bill receivable and inventories.

Current liabilities are that claim of outside, which are expected to mature for payment with in an Accounting year and includes creditor's bill payable and outstanding expenses.

The goal of working capital management is to manage the firms current assets and current liabilities in such a way enough to cover its current liabilities in order to ensure that they are obtained and used in the best possible way.

Key words:

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Paper ID: ICCIASH-2022/348

METAVERSE USING ARTIFICIAL INTELLIGENCE

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Abstract:

The science fiction author "NEIL STEPHENSON" first used the word "metaverse" in 1992. Everybody can congregate in the "metaverse," a virtual environment where they can interact, play, and work. In order to provide a space for rich user interaction that mimics the actual world, it is a simulated digital environment that integrates "Augmented reality (AR), Virtual reality (VR) and Social media" principles. According to Mark Zuckerberg, CEO of Facebook, "Metaverse is the next generation of the Internet." Artificial intelligence in the metaverse has emerged as a hot topic in both technology and socioeconomics. The function of AI in the metaverse combines several technologies, including virtual realityand 3D animation."AI is capable of creating photorealistic photos and 3D models of human faces, conversational texts that can be translated into human-sounding speech and animated 3D characters that appear to be speaking". Many businesses are already working on developing services for the new digital environment. Even the technological behemoth Facebook has changed its name to Meta. Various uses of Artificial Intelligence in Metaverse are discussed in this project.

Key words: *Metaverse, AR, VR, Artificial Intelligence.*

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Paper ID: ICCIASH-2022/342

Cursor movement on object motion using java reference

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Abstract:

The main aim of this paper is CURSOR MOVEMENT WITHOUT MOUSE. Computer technology grownup over the past decade and one of our everyday thing. For this project we need two main things, they are: Hand based and Vision based. For Hand based we need to use hand gloves to recognize and move or change the slides. Vision based is two types they are colour marker based and colour less marker based. With vision based we can change cursor movement.

It takes input by Webcam, like Skin Detection, Hand counter extraction, Hand skin region detection and Victimization skin detection.

Key words: *Webcam, Skin detection, Hand counter extraction, Hand skin region detection and Victimization skin detection.*

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Paper ID: ICCIASH-2022/346

Using Smart Speaker to Contactlessly Monitor Heart Rhythms

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Abstract:

Heart rhythm assessment is in dispensable in diagnosis and management of many cardiac conditions and to study heart rate variability in healthy individuals. We present a proof-of-concept system for acquiring individuals heart beats using smart spear into arrange active sonar system and measure heart rate and inter beat intervals(R-Rintervals) for both regular and irregular rhythms. The smart spearemits in audible18-22Khx sound and receives echoes reflected from the human body that encodesubmm displacement due to heartbeats. The increasing adoption of smart speaker in hospitals and homes may provide a means to realize the potential of our non-contact cardiac rhythm monitoring system for monitoring or contagious patients, skin sensitive patients and in tele medicine settings.

Key words: *Smart speaker, Heartbeat, Diagnosis.*

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Paper ID: ICCIASH-2022/344

FIRE ALARM SYSTEM BASED ON NODEMCU

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Abstract:

Fire alarm systems are very common nowadays and commonly installed in Banks, shops, offices, home etc. They detect the fire and trigger a loud alarm to aware everybody. But what if nobody is there to hear that alarm, like in night time or when nobody is at home. So to inform the authority about any fire incident today we are building a IoT based Fire Alarm system which not only trigger an alarm but also sends a Email alert to concern persons. This method can also be used to inform fire department automatically in case of fire. Here we will use Infrared Flame Sensor to detect the fire and ESP8266 NodeMCU to trigger the alarm and send email with the help of SMTP server. This project can be further extended to make a phone call or send an SMS with the help of GSM module in case of fire.

Key words: *NodeMCU, Fire Alarm, IoT.*

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Paper ID: ICCIASH-2022/338

FREE ENERGY GENERATION

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Abstract:

A free energy generator is a special type of device used to generate electrical energy. This generator works on the working principle of a neodymium magnet. Production of some free energy generators Hydro Generator and Peloton Hydro Turbine Generator, Hydro Turbine,

Renewable Free Energy Water Wheel, Peloton Turbine Generator 50 KW Micro Hydropower Turbine, 30Kw 150rpm 400vrtern Generator Free Energy Generator, etc.

Index Terms- Electromagnetic Induction, free energy, neodymineodymium.s no such thing as Free Energy. Any electric power from Solar cells, Wind, Tidal, Geothermal, Hydroelectric is only free, after we starting up these methods for generating electric power by providing some capital cost. Energy becomes free only after some point since we do not have to pay charges for electric power generated through these non-conventional methods for generating electric power.

A. Construction: The basic model (prototype) of the free energy generator consists of the following components: 1. Set of Neodymium magnets Small Electric motor (Example: A DC FAN))

A simple dc motor/generator consists of a rotor & a stator. The stator of the machine does not move & normally is the outer frame of the machine; the rotor is free to move & normally is the inner part.

Key words: *DC MOTOR LED*

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Paper ID: ICCIASH-2022/314

A SMART ANTI THEFT SYSTEM FOR VEHICLE SECURITY

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Abstract:

Stealing the vehicle is the major threat to car or Bike or vehicle owners. Now a days it is increasing day by day. If not recovered soon, stolen vehicle is generally sold or even burned, if the resale price is considered to be too low. An Anti-theft vehicle security has been developed to mitigate the problem. This system consists of a micro controller, RFID (radio-frequency identification), GPS -GSM modules and a tilt sensor. The car/Bike will be started with RFID. If an unauthorised person wants to open the door of the vehicle, it will ask for correct RFID. The tilt sensor is used to measure any breaking of windows or doors and movement of the vehicle, a message will be sent to the owner's mobile containing location of the car/Bike via GPS-GSM module. The system gives also an alarm. Furthermore, the connection to the fuel injector of the car/Bike is deactivated to prevent the unauthorised start of the vehicle anyhow. the anti-theft security system enhances the changes of recovering the car/Bike.

Key words: *Microcontroller, GPS, GSM, RFID, Anti-Theft*

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Paper ID: ICCIASH-2022/345

Child Safety Wearable Device using Arduino

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Abstract:

This paper discusses the concept of a smart wearable device for little children. The major advantage of this wearable over other wearable is that it can be used in any cell phone and doesn't necessarily require an expensive smart phone and not a very tech savvy individual to operate. The purpose of this device is to help parents locate their children with ease.

At the moment there are many wearable in the market which help track the daily activity of children and also help find the child using Wi-Fi and Bluetooth services present on the device. But Wi-Fi and Bluetooth appear to be an unreliable medium of communication between the parent and child. Therefore, the focus of this paper is to have an SMS text enabled communication medium between the child's wearable and the parent as the environment for GSM mobile communication is almost present everywhere.

The parent can send a text with specific keywords such as "LOCATION" "TEMPERATURE" "UV" "SOS" "BUZZ", etc., the wearable device will reply back with a text containing the real time accurate location of the child which upon tapping will provide directions to the child's location on Google maps app and will also provide the surrounding temperature, UV radiation index so that the parents can keep track if the temperature or UV radiation is not suitable for the child.

Key words:

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Paper ID: ICCIASH-2022/848

Gluten-free Products- a fad or necessity: A study with reference to Delhi NCR

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Abstract:

Gluten-free products are not just rage in the market but have risen to a commercial market segment. In India, Gluten intolerance or celiac disease was thought to be very uncommon about two decades back. These days gluten intolerance is well recognized, and it affects 1 in 140 Indians, but we still lack consumer opinion on the awareness and availability of gluten-free products in the market. The study aims to understand the consumer expectations for gluten-free products available in the market, including their preferences for taste, price, places to buy from, type of products, frequency of buying, and changing demand patterns. In this study, a total of 379 consumers from Delhi-NCR were surveyed to know their consumer preferences, satisfaction, and awareness of gluten-free products. Despite the expanding gluten-free market, it was found that consumers are not happy with the taste and price of these products. They need more options of budget-friendly gluten-free products that taste similar to regular food products. These things will enable marketers to understand the current & evolving expectations of consumers to design new products & marketing strategies accordingly. For this segment to grow and flourish in the gluten-free market, the brands need proper branding and advertising to fill this gap.

Key words: *Gluten-free Products; Celiac; Consumer Behavior; Consumer preference; Marketing Strategies.*

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Paper ID: ICCIASH-2022/827

A Note on Min – Max rodeg index of some graphs

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Abstract:

Let G = (V, E) be a simple graph where V is the set of vertices and E is the set of edges. The Min – Max rodeg index of the graph which is degree based topological index is defined as $mM_{sde}(G) = \sum_{i,j \in E(G)} \sqrt{\frac{\min\{di,dj\}}{\max\{di,dj\}}}$. This paper obtains the Min – Max rodeg index of path, cycle, bridge graph and Fullerenes where a fullerene graph is a cubic planar graph whose faces are pentagons and hexagons.

Key words: *Topological index, Min – Max rodeg index, bridge graphs, fullerenes.*

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Paper ID: ICCIASH-2022/861

A Pedagogical approach for Online Lab Conduction during COVID-19 pandemic situation

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Abstract:

In this pandemic situation where the world is facing lots of crises, the educational field is not an exception. Because of the Covid-19 pandemic situation, universities, colleges and schools throughout the world have faced huge challenges of face-to-face teaching to make the students learnable. For professional fields such as Engineering students - practical knowledge is very important. Through hands-on practice students get this knowledge and can explore more in future. These hands-on practice students do in laboratories. The present work proposes an online system for acquiring practical knowledge during COVID-19 situation. Our Team of Principles of Programming Languages laboratory and Operating Systems Laboratory courses at Cummins College of Engineering for Women, Pune have identified this problem and responded it in an efficient and effective way by conducting laboratory sessions online taking some most popular pedagogical methods such as quizzes, videos and provided study material online for students on their Google Classroom. Hence the conduction of laboratory sessions is required for students to get practical knowledge. The focus of this work was on providing hands-on to students so that they get practical knowledge of these subjects. In this paper we have given our method of conduction of practical sessions using virtual mode, evaluation of assignments online and its feedback.

Key words: *Covid-19, pandemic, laboratory, online, pedagogy.*

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Paper ID: ICCIASH-2022/875

AN ANALYSIS OF EDUCATION PROGRESSION OF CHILDREN WITH FUNCTIONAL DIFFICULTIES

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Abstract:

Though there is a drastic improvement in education technology, the education progression of children with functional difficulties is still lower than that of children without disabilities. Moreover, the dropout ratio of children with disabilities is higher and special education is not affordable due to several factors like lack of trained teachers, resources like accessories, and smart classrooms. This work analysis the education progression of children with functional difficulties such as attendance rate, completion rate, reading skills, and numeracy skills across the world. The attendance rate of secondary education is very low in the case of children with functional difficulties compared with those without functional difficulties. In general, the percentage of learning skills in urban is 9% higher than the rural area completion rate of primary education for children with functional difficulties is lower than that of children without functional difficulties.

Key words: *Special education; Education progression; Education technology; Attendance rate; Completion rate; Learning skills.*

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Paper ID: ICCIASH-2022/881

"Rural-Urban" perspectives of the teachers regarding online learning in India-Digital ethnographic study

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Abstract:

Digital divide has always been in the discussions and speculation for its economic, social and political consequences. The notion of 'digital divide' has been widely researched by the scholars and existing studies reveals, since when the covid-19 pandemic hit the world online learning has become the hour of the need in the world wide to adopt it .The gap that exists between those who have access to internet and those who do not create exclusion and inequality in the society. Such differences with respect to access to internet endanger social integration and hamper economic growth. The paper is mainly focused on understanding the perceptions of the educators of the higher education in Delhi NCR region (including rural and urban) and tries to explore hurdles faced by the teachers during the online classes. The research was carried out qualitatively by using digital ethnography as the tool and tried to understand the perceptions of educators by being part of online classes further followed by group discussions with the educators of 10 different universities and colleges both from rural and urban areas where around 50 educators were the participants. The paper tries to understand the future of the online learning by understanding the teachers' perceptions. The research reveals that obstacles such as illiteracy, lack of skills, infrastructures, and investment in rural areas must be tackled if India is to diminish the gap of digital divide.

Key words: *Higher Education, Teachers, Perception, Traditional Learning, Online Learning.*

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Paper ID: ICCIASH-2022/713

A STUDY ON EQUITY ANALYSIS WITH REFERENCE TO PHARMACEUTICAL SECTOR AT KARVY STOCK BROCKING

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Abstract:

This project was carried out with an intention to know and understand the facts of fast developing Indian economy, among the various financial institutions, the share market has become a major source of investment for every category of investors ranging from big institutional investors to small individual investor.

Unlike earlier days when common man used to invest his savings in less risky and well trusted financial institutions and instruments like public and private sector Banks, Government Bonds and policies etc., today's investors have realized that stock market is a crucial source of earning quicker and higher returns on their investments as compared to the returns earned in traditional investment methods

The project contains five pharmaceutical sector stocks namely Cipla, Dr. Reddy's, GlaxoSmithKline, Lupin and Ranbax. The analysis is done on these five stocks to determine which one is better for investor or each stock based upon the ratios I have recommended which stock to buy. Some investors look for sales of a company, some may look for dividend payout ratio. It again depends on investor based upon the ratios he can choose which stock to invest.

At the end conclusion and recommendations have been specified to make the project work more meaningful and purposeful.

Key words: *Financial Viability, Profitability, Cipla.*

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Paper ID: ICCIASH-2022/707

A STUDY ON DEBTORS MANAGEMENT AT ULTRATECH CEMENT LIMITED

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Abstract:

An organisation that owes money to another is referred to as a debtor. The entity could be a person, a business, a government, a corporation, or another type of legal person. The other party is referred to as a creditor. The debtor is more frequently referred to as a borrower when a bank serves as the counterpart to this debt arrangement. The study found that most respondents lack a clearly defined debtor management policy, occasionally do not receive debt reminders, rarely consider a debtor's character when extending credit, rarely consider a debtor's capacity when extending credit, and occasionally do not consider credit terms before extending credit. Another barrier to starting a business is a lack of funding. The study's findings showed that a sizable portion of the respondents regarded this as a serious issue. Ineffective record keeping is another factor in start-up business failure. Most often, this is not just because new and inexperienced business owners place little importance on it, but also because they lack the fundamental business management and abilities. As a result, the majority of business owners find themselves losing track of their daily transactions and unable to account for their costs and revenues at the end of the month.

Key words: *Debtors management, Creditor, Revenues.*

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Paper ID: ICCIASH-2022/306

SWITCH ON/OFF BY CLAPPING HANDS

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Abstract:

This is a project on clap switch which can switch on/off any electrical circuit by the sound of the clap. The clap-operated Circuit is a circuit which operates by clapping from a remote point. When a person clap once, the first output of the circuit is turned ON till the next clap, for the next clap the second output is switched OFF. The basic idea of clap switch is that the electric microphone Picks up the sound of your clap, coughts, and the sound of the book knocked off the table. It produces a small electrical signals which Is amplified by the succeeding transistor stage two transistors cross connected as a bi-stable multi-vibrator change state at each signals.

One of this transistors drives a heavier transistors which controls a lamp. Basically this is a sound operated switch.

Key words: *micro phone, C language.*

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Paper ID: ICCIASH-2022/347

GESTURE CONTROL BLUETOOTH SPEAKER

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Abstract:

Bluetooth speakers are the most widely used speakers these days. Their compact size with portability and long battery life have made them a centre of attraction. Well, we hereby take a Bluetooth speaker to the next level by integrating the touchless operation. The Bluetooth speakers allow users to change music by just swiping their hand over the Bluetooth speaker. Also the speaker allows a user to adjust volume by just raising and lowering their hand over the speaker. The user can thus operator the complete speaker operation without even having to touch his/her phone or speaker.

This Gesture controlled Bluetooth speaker provides the following advantages:

1. Full contactless usage
2. Hand swipe for changing to next song
3. Raising and lowering hand to adjust volume
4. Automatic turn off when not in use
5. Lightweight compact device for portability

Key words: *Bluetooth speaker, touchless operation, adjust volume.*

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Paper ID: ICCIASH-2022/321

PLASTIC LASER ALARM SYSTEM

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Abstract:

Security is the basic necessity of any individual. The feeling that we are safe and everything around us is all right is imperative for a peaceful living. Here, the laser security system provides us with a solution and for this reason more and more people are installing them in order to stay safe and secure. Various electronic security systems can be used at home and other important working places for security and safety purposes. Laser Security alarm is a device used for security purposes. It has a wide application in fields of security and defence starting from the security of simple household material to a very highly valued material of an organisation. Owing to cost cutting and fast technological advancements, this form of security system is becoming more affordable.

Key words: *Laser, alarm system.*

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Paper ID: ICCIASH-2022/404

AUTOMATIC WATER PUMP CONTROLLER USING IC 555 TIMER

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Abstract:

The project mainly describes, prevention of wastage of water. In many houses there is unnecessary wastage of water in the form of overflow tanks, running taps etc. Automatic water pump controller can provide a solution to this problem by working on the principle that water conducts electricity. The water level is checked by the IC 555 timer. It works based on the voltage concept. So water can be used to open or close a circuit. As the water level rises or falls, different circuits in the controller send different signals. These signals are used to switch on or switch off the motor pump as per our requirement. So the main objective of this paper is to design and develop an automatic water level controller to maintain the outlet process of the water level at desired level. The paper also focuses on the need of the people to install automatic water level controller to avoid wastage of water.

Key words: *IC 555 trigger.*

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Paper ID: ICCIASH-2022/305

FINGER PRINT USAGE IN PRESENT TECHNOLOGY

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Abstract:

One of the popular and widely practiced biometric systems is fingerprint. Fingerprint biometric systems are smaller, easy to use and has low power. It is available and Deployed globally in law enforcement, such as immigration, Banking sectors, forenics, health care and many more. This study reviewed fingerprint biometric systems and the Methods used in each proposed system. Many studies have been done in the area of feature extraction and matching stages. The current techniques used in these stages are minutiae- based and Euclidean distance-based. Application of the fingerprint biometric system. In the industries has been accepted widely and used in the Europe and some developed countries. Generally, fingerprint biometric systems can be categorized into recognition, security, identification and control systems can be categorized into recognition, security, identification and control systems. Each system has their benefits and drawbacks that complemented each other.

Key words:

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Paper ID: ICCIASH-2022/742

A Study on Budget and Budgetary Control in Kesoram Cement

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Abstract:

The involvement of technical department in preparation and allotment operations and maintenance Budget is more applicable since the operations and maintenance work basically involves technical knowledge. To prepare annual Budgets in such a manner those managers at various levels in organization carry out periodical exercise in respect of each contact or responsible centre for physical planning and matching resources broke up into monthly targets or cash flows. To introduce and operate responsible for achievement of specified targets with the recourses allocated for the purpose.

The Budget period or annual begets should with the financial year. In October every year the Budget should drawn up for the ensuring the financial year in the form of Budget estimates financial year in the form of Revised Estimates [R.E].In addition the Budgets are to be reviewed on monthly basis by project review teams, in the light of actual expenditure and projections in the Budget period. Budget should indicate monthly phasing of. Expenditure and targets for the first and quarterly phasing for the second half of the year. At the time of review of the Budget estimates to frame revised estimates the quarterly Phasing should be broken up into monthly phasing.

Key words: *technical department, annual budget, physical planning, budget period.*

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Paper ID: ICCIASH-2022/7A1

A STUDY ON ORGANIZATIONAL CLIMATE AT SPENCER'S

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Abstract:

Human resource of an organization is considered as the most important variable which affects the effectiveness of an organization. It is the only resource which can use all other resources to achieve organizational objectives. Since it is an important resource the satisfaction of human resource is equally important. Organizational Climate is one of the factors affecting the satisfaction of the employees. This study focuses on impact of different dimensions of Organizational Climate on job satisfaction & employees' commitment. The objectives of this study are to find the relationship between Organizational Climate SPENCER'S as well as employees' commitment. To undertake this study a questionnaire was developed based on important Organization Climate dimensions such as rewards, warmth, support & commitment, structure, risk & conflict, standards career development & growth, other factors etc.

Key words: *Job satisfaction, Employees, Rewards, Support, Conflict.*

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Paper ID: ICCIASH-2022/798

A STUDY ON EMPLOYEE RELATIONS AT BIG BAZAR

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Abstract:

Employee relation constitutes an emerging trend of managing human resource by building and maintaining individualized and mutually valuable Relations with employees based on information technology. Employees are the major assets of an organization. It is very essential that the employees perform together as a collective unit and contribute equally towards the realization of common goal. However, given the early and still emerging state, there is little knowledge and agreement regarding ER. Hence here the paper attempts to clarify the concept and derive research implications. The technological and strategic of ER are discussed based on the Customer Relations Management. As a result, a first general outline of an interesting concept is presented. Based on outline, the major implications for further theoretical and empirical evaluation of ER are derived to propose directions for future research. Employee relation has focused on enabling to collaborate on typical managerial tasks with their employers. By engaging inputs from both sides of the employment Relations, ER platforms aim to align the interests of both parties, worker and employer, and inform day-to-day business functions under a streamlined workflow. The equation that we are considering has the elements of scientific management, industrial welfare, and human relations as the causative factors affecting good employment relation.

Key words: *Customer relations, day-to-day, Workflow, industrial welfare.*

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Paper ID: ICCIASH-2022/763

A STUDY ON PERFORMANCE AND APPRAISAL AT HERITAGE FOODS

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Abstract:

Performance appraisal has extended as an idea and as an arrangement of practices and as execution administration has moved toward becoming piece of a more key way to deal with coordinating HR exercises and business approaches. Accordingly, the exploration regarding the matter has moved past the restricted bounds of estimation issues and precision of execution evaluations and has started to concentrate a greater amount of social and motivational parts of examination. This article recognizes and examines various subjects and patterns that together make up the creating research plan for this field. It separates these as far as the idea of examination and the setting in which it works. The previous is considered as far as contemporary reasoning on the substance of examination (relevant execution, objective introduction and mindfulness) and the procedure of evaluation (appraiser– appraise collaboration, and multi-source criticism). The exchange of the setting of examination focuses on social contrasts and the effect of new innovation. In assessing these rising regions of research, the article tries to investigate a portion of the suggestions for evaluation rehearse at both hierarchical and individual levels.

Key words: *Appraiser, collaboration, criticism, innovation.*

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Paper ID: ICCIASH-2022/766

A STUDY ON PERFORMANCE MANAGEMENT HERO MOTO CORP

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Abstract:

Training is an integral part of the work situation and is closely related to the career ana promotion structure. So practical training could be taken as a beginning of a process of in doctrinate into the ways of a business organization and it is the first step which would be helpful in future prospect. Training makes the concept clear and help in facing the actual situations. I have done training at HERO MOTO CORP. in Human Resource. During the training Programme, I got the opportunity to learn valuable things regarding management. It was my fortune to get the training in a very healthy atmosphere. The management of the company offered learning situation sufficient facilities and training opportunities to fulfill the objectives of training.

The project assigned to me was Performance Management System. In my project report I have studied the procedure of Performance Management System at MSSL. The process of PMS from Setting Goals till Learning and Development has been done in my project report. From the study and work of Performance Management System I can say that it is an important tool for Human Resource and also for the development of the employees.

This Project has really exposed me to a far new world and I sincerely hope that "HERO MOTO CORP." Will find my study equally valuable as found it in shaping my career.

Key words: *Performance, Training, management, Resource.*

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Paper ID: ICCIASH-2022/770

Performance appraisal (Bajaj finance) Stream

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Abstract:

The history of performance appraisal is quite brief. Its roots in the early 20th century can be traced to Taylor's pioneering Time and Motion studies. But this is not very helpful, for the same may be said about almost everything in the field of modern human resources management.

As a distinct and formal management procedure used in the evaluation of work performance, appraisal dates from the time of the Second World War, about seventy years ago. Yet in a broader sense, the practice of performance appraisal is an ancient art. On the scale of things historical, it might well lay claim to being the world's second-oldest profession! There is, says Dulewicz (1989), "... a basic human tendency to make judgments about that one is working with, as well as about oneself." Appraisal, it seems, is both inevitable and universal. In the absence of a structured system, people will tend to judge the work performance of others, including subordinates, informally and arbitrarily.

The hardwired human inclination to judge can cause big problems in the workplace. Without a structured system of appraisal, there is little if any chance of ensuring that such judgments will be accurate, fair, and useful. Performance appraisal began as an attempt to rationally correlate rewards and outcomes. That is, the appraisal was used to decide whether or not the salary or wage of an individual employee was justified. The process was firmly linked to material outcomes. If an employee's performance was found to be less than ideal, a pay cut would follow. On the other hand, if their performance was better than the supervisor expected, a pay rise was in order.

Key words:

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Paper ID: ICCIASH-2022/777

A Study on Employee Motivation with Reference to HDFC BANK LTD

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Abstract:

The Project aims to study on employee motivation that helps to get clear picture about the factors which motivates the employees. This in turn helps the management to formulate suitable policy to motivate the employees.

Motivation in simple terms may be understood as the set of forces that cause people to behave in certain ways. Highly motivated worker are more productive than apathetic worker one reason why motivation is a difficult task is that the workforce is changing. People are motivated rewards something they can relate to and something they can believe in. It is the responsibility of managers to make employees look for better ways of doing their jobs. Individuals differ not only in their ability to do but also in their will to do, or motivation. Managers who are successful in motivating employees are often providing an environment in which appropriate goals are available for needs satisfaction.

Employees join organizations with different needs and expectations. Their values, beliefs, background, lifestyles, perceptions and attitudes are different. Not many organizations have understood these and not many HR experts are clear about the ways of motivating such diverse workforce. Nowadays employees have been hired, trained and remunerated they need to be motivated for better performance. Retaining and motivating workers requires special attention and the responsibility falls squarely on the shoulders of HR as well as managers and supervisors at all level

When employees feel like they are being trusted with added responsibilities, they are motivated to work even harder so they won't let the company down. Motivation isessentialforanycompanybecauseemployeeisAssetofcompany.Motivationisimportantforthegr owthof employees as well as growth of the organization.

Key words:

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Paper ID: ICCIASH-2022/7A6

A Study on Recruitment and Selection Process on SMC Company

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Abstract:

The domestic economy is now growing at around 9-10% per annum and India's importance in global terms is being reinforced by rapidly rising exports and domestic consumption. At a time when numbers of a slowdown and overheating in the Indian economy have started gaining momentum, the Indian rupee sprang a surprise by pushing the GDP figure past the trillion-dollar (42,00,000 crore) mark.

Numerous associations seem to have essentially relabelled their area of expertise as recruitment and selection to stay aware of the designs of the times. there are some others, which have accomplished extensive stir in setting up the HRD framework. behind the setting up of isolated HRD capability in any association are the way of thinking of its top administration and the idea of its business. The more expanded the matter of an association and the more how much confidence and responsibility of top administration in HRD, the more noteworthy to set separate HRD divisions.

HR recruitment and selection are wellsprings of upper hands among organizations. To contend effectively in this cutthroat period organizations persistently work on their presentation by further developing HR recruitment and selection. Many explorers have demonstrated that HR strategies and practices have a positive relationship with representatives' effectiveness however present review center around the connection between enlistment and choice and worker's exhibition. The reason for this study is to assess the job of enlistment, and choice strategies in SMC GLOBAL organizations.

A viable can assist with boosting the upper hands by picking the best pool of up-and-comers rapidly and cost productively. Be that as it may, fruitful enrollment and determination can be expensive and tedious still, enlistment and choice are critical for a business, and ineffective enlistment and determination can be liable for the disappointment of the business.

Key words:

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Paper ID: ICCIASH-2022/799

A STUDY ON EFFECTIVENESS OF RECRUITMENT AND SELECTION PROCEDURE AT HINDUJA GLOBAL SOLUTIONS LTD

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Abstract:

This study is an outcome of the topic called "A study on Effectiveness of Recruitment and Selection procedure at HINDUJA GLOBAL SOLUTIONS LTD Hyderabad". The study helps to know the effectiveness of recruitment and selection procedures this project is undertaken by me to find out the satisfaction level of employees' recruitment and selection procedure.

The main objective of the study is the effectiveness of the recruitment and selection procedure HINDUJA GLOBAL SOLUTIONS LTD, The secondary objective of the study is to study the effectiveness of internal and external factors of recruitment and selection at various levels. Samples of 100 were taken to study the recruitment and selection procedures of the organization. Primary data such as questionnaires and interviews have been conducted to collect the data from the employees. Generally, statistical tools such as the percentage method, and weighted average method, have been used for analysis and interpretation.

Through analysis and findings, it is found that most candidates are aware of their job description and specification during the recruitment process.

Finally, this project gives a complete view of the level of recruitment and selection procedures in the organization. If the level of the recruitment and selection procedures is good in the organization then it could be possible for the management to put forth the best result from the employees.

Key words: *Recruitment and Selection, Human Resource.*

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Paper ID: ICCIASH-2022/760

A STUDY ON TRAINING AND DEVELOPMMENT AT BAJAJ ALLIANZ

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Abstract:

The training and development needs of its advisers after actively inhibiting its performance. Even the lot of accurate alternative does not annihilate the charge for training. Since humans are not molded to blueprint and rarely accommodated the demands of their jobs adequately. Give a man a angle and you accept accustomed him meal. Teach man to angle and you accept accustomed him a livelihood. This age-old Chinese adage seems to call the basal allowance ale of all training and developed programs. Four important developments, which assume to accept contributed in contempo years, to greater absorption getting accustomed to training are as follows first, it is now admired that training can cannot be accomplished additional with the arrest change in technology every alone needs to be own attenuated anatomic area. He accept to acquire a accepted compassionate of the tasks and ability every alone to be able to behave effectively, accept to be accomplished in interpersonal abilities assorted gaffes, affairs and attitudes of humans in added countries as well a amount of complaints accept been articular in Britain which accept chip training and development in their added business planning. A analysis in canada3 reveals that 60% of business and activity leaders see apprenticeship and training as either the aboriginal or additional a lot of important agency for convalescent all-embracing competitiveness. Organization and individuals should advance and advance accompanying for their adaptation and accomplishment of their alternate goals. Modern administration has to advance the alignment through animal ability development. Agent training is the important, subsystem of animal ability development. Agent training is a specialized and planned action and is one of the axiological accessible functions of animal ability management. A absolutely acknowledged alignment accomplishes its mission through development of its animal resources.

Key words: *Performance, Effectively, Competitiveness, Development.*

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Paper ID: ICCIASH-2022/741

A study on Financial Statement Analysis at Avanthi Feeds Ltd

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Abstract:

In any organization, the two important financial statements are the Balance Sheet and the Profit & Loss Account of the business. A Balance Sheet is a statement of the financial position of an enterprise at a particular point in time. The profit & Loss account shows the net profit or net loss of a company for a specified period. When these statements of the last few years of any organization are studied and analyzed, significant conclusions may arrive regarding the changes in the financial position, the important policies followed and trends in profit and loss, etc. Analysis and interpretation of financial statements have now become an important technique of credit appraisal. Investors, financial experts, management executives, and bankers all analyze these statements. Though the basic technique of appraisal remains the same in all the cases the approach and the emphasis in the analysis vary. A banker interprets the financial statement to evaluate the financial soundness and stability, the liquidity position, and the profitability or the earning capacity of the borrowing concern. Analysis of financial statements is necessary because it helps in depicting the financial position based on past and current records. Analysis of financial statements helps in making future decisions and strategies. Therefore it is very necessary for every organization whether it is financial or manufacturing, to make a financial statement and analyze it.

Key words: *Balance sheet, Financial Statements, Profit and loss account.*

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Paper ID: ICCIASH-2022/745

A Study on Investment Decision Analysis at ICICI Bank

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Abstract:

The project "ANANLYSIS OF INVESTMENT DECISIONS" gives the brief idea regarding the various investment options that are prevailing in the financial markets in India. With lots of investment options like banks, Fixed Deposits, Government bonds, stock market, real estate, gold and mutual funds the common investor ends up more confused than ever. Each and every investment option has its own merits and demerits. This project I have discussed about few investment options available.

Any investor before investing should take into consideration to safety, liquidity, returns, entry/exit barriers and tax efficiency parameters. We need to evaluate each investment option on the above-mentioned basis and then invest money. Today investor faces too much confusion in analyzing the various investment options available and then selecting the best suitable one. In the present project, investment options are compared on the basis of returns as well as on the parameters like safety, liquidity, term holding etc. thus assisting the investor as a guide for investment purpose.

Key words: *ICICI bank, stock market, real estate, fixed deposits, mutual*

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Paper ID: ICCIASH-2022/7A7

A Study of Carrier and Succession Planning

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Abstract:

Succession planning is key in the current scenario of tight talent markets and competitive times. Strengthening talent has a direct impact on bottom-line results and contributes to organizational growth. Hence development at the talent level is a must for overall organizational development. The present study focuses on current practices and approaches of succession planning followed by the industry. The study is based on primary data collected as feedback on parameters related to succession planning practices across various industry organizations. In the study group, all companies had some of the other activities in the bracket of succession planning. It hence becomes necessary that these positions are filled as soon as they become empty so that business doesn't suffer any loss. This enabled us to compare, hence benchmarking against certain criteria was done. Benchmarking succession planning is based on various factors like HIPO (high potential) identification, Scope of planning, talent pool creation, automation, and linkage. GAP analysis was done to identify the various GAPS in the process. Based on all the observations, business recommendations were provided.

The career planning process is often illustrated as the last step in an ever-changing work environment. The technical, professional, managerial, and interpersonal skills to successfully perform and succeed in this rapidly changing work environment are essential. There is a very real and immediate threat that many of the professional skills that we have learned yesterday and today will be obsolete and insufficient to cope with the inevitable changes in the future. While most professionals are aware of the very real threat of skill obsolescence, few take the opportunity to do definitive career planning regarding their future. The career planning process is designed to help individuals examine their careers; evaluate their training and educational needs; and develop some specific action plans to maintain, enhance, and reevaluate the relevance of their professional and managerial skills in a work environment that values rapid change and adaptation.

Key words:

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Paper ID: ICCIASH-2022/7B2

IMPACT OF COVID-19 ON WORK LIFE BALANCE OF EMPLOYEES - NICHINO CHEMICAL'S

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Abstract:

This study focuses on laying out insight into the efficacy of work-life blend and work motivation in generating employee performance in the course of the outbreak of Covid-19 pandemic, which constrains more online-networked work. Employees were given questionnaires, which were used to collect data. The findings of this study indicate that there is a positive effect on personnel performances that depicts the company to check out more on the components of e-training/learning and balancing work-life to retain employees constantly motivated and also to nourish flawless employee performance, specially in context with the outbreak of Covid-19 by way of running work online.

Key words: *COVID-19, motivation, e-training, questionnaires.*

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Paper ID: ICCIASH-2022/771

A Study of Employee Attitude Towards Organisation Heritage

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Abstract:

The project work entitled "A Study of Employee's Attitude Towards the Organization" with special reference to the Heritage TELANGANA the various factors that are concerned towards the attitude of the employees.

The analysis has been made mainly based on the primary data that is by the employees' opinion survey method. The researcher has taken a sample size of 180 and has used the stratified random sampling method to select the samples from the total population.

The study gives the opinion of employees about all the H.R. functions of Heritage employment conditions, wages and incentives, interpersonal relationships, working conditions, management practices, etc.

The researcher has used percentage analysis and CHI-Square test, and the study reveals that there is no relationship between JOB ENRICHMENT educational qualification of the respondents, and there is no relationship between length of service of the respondents, and welfare facilities, and there is no relationship between the salary of the respondents and welfare facilities. The study has also revealed that most of the respondents have a positive attitude towards the welfare facilities, management practices and employment conditions, WELFARE FACILITIES, INTER PERSONAL RELATIONSHIP, WORKING CONDITION the researcher has given suggestions for its improvement which includes suggestion schemes which may be transparent and promotions which may be made both based on seniority and performance to a certain level in the organizational.

Key words:

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Paper ID: ICCIASH-2022/764

An Analysis of Retention Issues in ICICI Pru

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Abstract:

Employee Retention refers to the techniques employed by the management to help the employees stay with the organization for a longer period of time. Employee retention strategies go a long way in motivating the employees so that they stick to the organization for the maximum time and contribute effectively. Sincere efforts must be taken to ensure growth and learning for the employees in their current assignments and for them to enjoy their work. Employee retention has become a major concern for corporate in the current scenario. Individuals once being trained tend to move to other organizations for better prospects. Lucrative salary, comfortable timings, better ambience, and growth prospects are some of the factors which prompt an employee to look for a change. Whenever a talented employee expresses his willingness to move on, it is the responsibility of the management and the human resource period immediately and finds out the exact reasons leading to the decision. When a business loses employees, it loses skills, experience, and "corporate memory". The magnitude and nature of these losses is a critical management issue, affecting productivity, profitability, and product and service quality. For employees, high turnover can negatively affect employment relationships, morale and workplace safety. The cost of replacing workers can be high, the problems associated with finding and training new employees can be conambiancee, and the specific workplace-acquired skills and knowledge people walk away with can take years to replace.

The problem of turnover can be addressed through a variety of proactive retention strategies: workplace policies and practices that increase employee commitment and loyalty. Knowledge transfer initiatives on the other hand, ensure that the knowledge and ex,pertise of a company's Employees its 'corporate memory'—are systematically and effectively shared among employees. They can offset the negative impact of turnover, but can also work pro-actively to reduce turnover by providing learning and skills development opportunities to employees -factors known to reduce turnover.

Employee retention and knowledge transfer are two elements of a more general concern that Might be best termed 'skills management, i.e., everything that has to do with recruiting, Maintaining, and developing the necessary mix and levels of skill required to achieve organizational and business objectives.

Key words: *Appraiser, collaboration, criticism, innovation.*

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Paper ID: ICCIASH-2022/758

A Imperical Study of Cost Controlling

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Abstract:

Profit maximization is the pursuit of every business organization. Profit itself is the excess of revenue over expenditure. To obtain this profit, increase in selling price of the product or reduction in the cost of production is inevitable. Since excessive price increase is dreaded by the public, it becomes necessary to achieve the business objective through controlling the cost of production of each product. This project, therefore, is undertaken to give actual background on cost control measure, the need for the control, cost items to be controlled and effect of uncontrolled cost of production on the organization, using the TATA MOTORS. Lagos as a case study. According to the study, uncontrolled costs could lead to higher operating costs, lower profit margins and dissatisfaction among shareholders. Using observation, interview and questionnaire method, it was found that cost could be controlled in the different manufacturing areas such as material, labour and overheads. Also discussed was the benefit of production cost control to the industry under study. The major findings was that company has not been able to produce to its installed capacity, it employed a system of remuneration that guaranteed a fixed salary and its production budget was based on the average performance of previous year results. However, the use of standard costing has been advocated because it will avail the company the opportunity of company actual cost with standard in order to check necessary variances and also to make for easier interpretation of management reports.

Key words:

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Paper ID: ICCIASH-2022/755

A study on Ratio Analysis at Heritage

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Abstract:

The is the most powerful tool of financial analysis. Several ratios calculated from the accounting data can be grouped into various classes according to financial activity or function to be study will predict the asset and liabilities of the organization and also analysis for the future improvement. The study will help to reduce the expenditure in future. The need for this research is to increase the financial will enable the management to locate the weak Spots of the business and take necessary remedial financial analysis helps the decision makers in taking appropriate decisions for strengthening the short-term as well as long-term solvency of the analysis is the method or process by which the relationship of items or groups of items in the financial statements are computed, determined and alternative methods of expressing items which are related to each other are, for purposes of financial analysis, referred to as ratio analysis. Ratio analysis is an attempt to derive quantitative measures or guides conceming the financial health and profitability of the business enterprise. Ratio analysis can be used both in trend and static analysis. There are several ratios at the disposal of the analyst but the group of ratios he would prefer depends on the purpose and the objectives of the the ratios do is that they reveal the relationship in a more meaningful way so as to enable us to draw conclusions from them.

Key words:

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Paper ID: ICCIASH-2022/781

A STUDY ON EMPLOYEE ENGAGEMENT

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Abstract:

Employee Engagement is the level of commitment and involvement an employee has towards their organization and its values. An engaged employee is aware of business context and works with colleagues to improve performance within the jib for the benefit of the organization. It is a positive attitude held by the employees towards the organization and its values. The project focuses on how employee engagement is an antecedent of job involvement and what should company do, to make the employee engaged. The project also looks at the questionnaire, the questionnaire that identifies strong feeling of employee engagement and the steps which shows how to drive an engaged employee.

Key words:

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Paper ID: ICCIASH-2022/772

A Study of Performance Appraisal System in Dr Reddy's Laboratories

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Abstract:

Performance appraisal plans are designed to meet the needs of the organisation and the individual. It is increasingly viewed as central to good human resource management. This is highlighted in Cumming's classification of performance appraisal objectives. According to Cummings and Schwab (1973), the objectives of performance appraisal schemes can be categorised as either evaluative or developmental. The evaluative purpose have a historical dimension and are concerned primarily with looking back at how employees have actually performed over a given time period, compared with required standards of performance.

Managers go wrong with performance appraisals in so many ways, that it's difficult to identify all of them. Some of the problems have to do with the overall system of performance appraisal, and other problems are the result of the one-on-one meeting that is held for the appraisal interaction. Here are four of the big problems managers and employees experience with performance appraisals. If you are clear on the problems, you have an opportunity to fix the problems. Performance Appraisals Are Annual Start with the fact that performance appraisals are usually annual. Employees need feedback and goal planning much more frequently than annually. Employees need weekly, even daily, performance feedback. This feedback keeps them focused on their most important goals. It also provides them with developmental coaching to help them increase their ability to contribute. The feedback also recognizes them for their contributions. Employees need and respond best to clear expectations from their manager. Feedback and goal setting annually just doesn't cut it in the modern work environment. In this environment, goals are constantly changing. Work is under constant evaluation for relevance, importance, and contribution.

Customer needs change with such frequency that only the nimble respond in a timely manner. It is what performance feedback needs to do—respond nimbly and with serious responsiveness in a timely manner.

Key words:

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Paper ID: ICCIASH-2022/773

A Study on Recruitment Practices at J.K Fenner

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Abstract:

Human resource is an important corporate asset and the overall performance of a company depends on the way it is put to use. To realize company objectives, it is essential to recruit people with requisite skills, qualifications, and experience. While doing so we need to keep the present and future requirements of the company in mind. Successful recruitment methods include a thorough analysis of the job and the labor market conditions. Recruitment is almost central to any management process and failure in recruitment can create difficulties for any company including an adverse effect on its profitability and inappropriate levels of staffing or skills. Inadequate recruitment can lead to labor shortages or problems in management decision-making. Recruitment is however not just a simple selection process but also requires management decision-making and extensive planning to employ the most suitable manpower. Competition among business organizations for recruiting the best potential has increased focus on innovation, and management decisions making and the selectors aim to recruit only the best candidates who would suit the corporate culture, ethics, and climate specific to the organization.

The process of recruitment does not however end with the application and selection of the right people but involves maintaining and retaining the employees chosen. Despite a well-drawn plan for recruitment and selection and involvement of a qualified management team recruitment processes followed by companies can face significant obstacles in implementation. Theories of HRM may provide insights on the best approaches to recruitment although companies will have to use their in-house management skills to apply generic theories within specific organizational contexts.

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Paper ID: ICCIASH-2022/7A3

A STUDY ON TAINING AND DEVELOPMENT- HERITAGE

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Abstract:

Every organization needs to have well-trained and experienced people to perform the activities that have to be done. If current and potential job occupants can meet this requirement, training is not important. When this not the case, it is necessary to raise the skill levels and increase the versatility and adaptability of employees. The probabilities of any young person learning a job today and having those skills go basically unchanged the forty or so years if his career is extremely unlikely, may be even impossible. In a rapid changing society employee training is not only an activity that is desirable but also an activity that an organization must commit resources to if it is to maintain a variable and knowledgeable work force. The entire project report talks about the training and development in theoretically as well as new concepts which are in trend now. In project we discuss about the training and development methods with the benefits and drawbacks.

Key words: *Requirement, Training, Versatility, Adaptability, Theoretically*

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Paper ID: ICCIASH-2022/775

A Study on Reward and Recognition System

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Abstract:

Reward system is an important tool that management can use to channel employee motivation in desired ways. In other words, reward systems seek to attract people to join the organization to keep them coming to work, and motivate them to perform to high levels. The reward system consists of all organization components – including people processes rules and decision making activities involved in the allocate of compensation and benefits to employees in exchange for their contribution to the organization. Reward and recognition systems for individual employees remain one of the controversial areas of quality management. Previous discussions on this aspect of quality management, although recognizing their importance, often attribute failure of the system to the method of implementation. This company has made several attempts to develop a process of employee reward and recognition with little success and the various systems lost their prestige among employees. Through the company's quality committee a new process for employee reward and recognition based on an unbiased assessment by managers, fellow employees and internal customers has been developed. Describes the reward and recognition process developed by the company, including a description of the categories used in the process, overviews of the process in place for acceptance and review of nominations and descriptions of the recognition for awards.

Key words: *Recognition, Rewards, Motivation, Incentives.*

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Paper ID: ICCIASH-2022/774

A STUDY ON TRAINING AND DEVELOPMENT OF HERITAGE GROUP

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Abstract:

Training has become the buzz word in the dynamic competitive market environment. Human capital differentiates a great organization from a good one. Organizations investing in effective training and development for human resource tend to achieve both short and long term benefits. This study presents a literature review on the significant of training and development on employee productivity. Employees tends to become absolute, and therefore making the need to adapt to the continuous learning and updating of the skill and knowledge invaluable, due to the organizational, technological and social dynamics. This, in order for organizations to achieve optimum returns from their investment, there is imperative need to effectively manage training and development programmes. However, the most vital asset of every organization under stiff and dynamic competition is its human capital. Training and development is an instrument that aid human capital in exploring their dexterity. Therefore training and development is vital to the productivity of organization's workforce.

Key words: *Employee Training, Employee Development, employee Productivity.*

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Paper ID: ICCIASH-2022/761

A STUDY ON EMOTIONAL INTELLIGENCE AMONG HR PROFESSIONALS WITH REFERENCE TO AMAZON INDIA LIMITED

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Abstract:

The study titled "A Study of Emotional Intelligence among HR Professional at Amazon India limited "in Hyderabad. To determine the Emotional Intelligence level of HR Professionals. The researcher chose a Descriptive design for his study. The Researcher took 50 as his sample among the universe of 175 in the industry. The samples were selected through a simple Random sampling method. The Researcher find that says that majority of people have a medium level of emotional intelligence this indicates that the majority of the HR Respondents were in the productive period of their life and have to improve their Emotional Intelligence. With the help of the questionnaire the researcher draw the findings and based on the findings the researcher gave suggestions as HR professionals have participated in various Emotional bits of Intelligence Programme, and online tests The organization could take an effort to train the HR respondent and impart knowledge regarding the importance and effectiveness of Emotional Intelligence.

Key words: *Emotional Intelligence, HR professional.*

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Paper ID: ICCIASH-2022/759

A Study On "Payroll Management" At Big Bazar

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Abstract:

Payroll Management is the linchpin to most of the information an organization has regarding its employees. While many organizations espouse to using Human Resource Information Systems (HRIS), the reality is somewhat different. Current technology and software packages allow employers to store a vast array of inter-related information about employees. However, much of this information is not viewed as critical, and therefore often overlooked. Basic employee information must however be kept for payroll purposes. This will also form the basis for any other HR related information. HR relies on payroll for historic information for reporting purposes, annual reports etc. Any plans to change award or enterprise agreement conditions must include input from the payroll area. Some payroll systems may not be capable of managing initiatives such as salary sacrificing, share schemes, or international employment. Any changes to conditions can result in higher payroll costs due to inefficient 'work-around' or an increased need for payroll resources.

Key words: *Payroll Management, Human Resource, Information Systems, Reports, schemes.*

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Paper ID: ICCIASH-2022/776

A STUDY ON ORGANIZATIONAL DEVELOPMENT AT KOTAK MAHINDRA BANK

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Abstract:

An organization is an open and complex system that consists of many variables in its interactions with the external environment. It has been observed that many organizations are currently not as competitive as they were before due to an ever-changing business environment which demands efficiency and innovation. Therefore, organizations have to look for new ways of doing things so that they can increase their effectiveness in achieving their goals and objectives. Organizational development is the overall process used by an organization in order for it to increase its effectiveness and facilitate organizational and personal change by using interferences that are driven by the behavioral and social science knowledge.

For an organization to be effective, productive and always satisfactory to its members including its customers it must incur changes now and then. Changes in many organizations are always triggered by the continuous change of customer demands. Some changes also occur in Organizations because of their want to be updated as possible and thus making them change according to the change of technology. It's not only the organization that is required to have changed, its employees also need to learn new and advanced skills as employee positions in the organization change with time. The best employees are the ones that are quick and flexible in adapting to the new advancements of the organization.

Key words:

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Paper ID: ICCIASH-2022/7B0

A STUDY ON SALARY AND WAGE ADMINISTRATION AT GRACE MANPOWER AND SECURITY SERVICES

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Abstract:

A project on a study on Wage and Salary Administration has been done at Grace Man Power and Security Services. The project emphasizes on the effectiveness of Wage and Salary Administration and how it can be made more effective. The primary data used for the purpose of this study were interviews questionnaires and observations. The questionnaires served as a tool of gaining more information. A sample of 100 was taken through the random sampling method. The questionnaire consists of 16 questions. It consists of closed ended questions, dichotomous questions, and multiple-choice questions. The collected data is tabulated and systematically presented. The data is subjected to qualitative and quantitative analysis. Analysis is done by taking simple percentages and weighted averages. It is observed that salary and wage administration in Grace Man Power and Security Services is in accordance with rules and regulations, acts with reference to its context. However, some suggestions have been presented at the end of the report.

Key words: *Wages, Salary, Laws, Policies and Administration.*

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Paper ID: ICCIASH-2022/7A0

A Study on Customer Relationship Management in Big Bazar

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Abstract:

Nowadays, people view clients as a commodity to be traded. Customer relationship management (CRM) has greatly advanced and gained popularity in India with the development of the marketing era. CRM has become essential for surviving the intense global competition. A strategy for managing and fostering a company's contacts with customers and sales prospects is customer relationship management. When an implementation is successful, people, processes, and technology collaborate to build and improve relationships, boost profitability, and cut expenses associated with running the business. The best instrument for keeping up excellent interactions with clients is customer relationship management. It is excellent at bringing in new clients for the business. A company project called customer relationship management focuses on developing and maintaining relationships with customers. The current study investigates the application of customer relationship management and consumer perceptions of large bazaars. According to the report, the majority of customers learn about the Big Bazaar through advertisements. Because of the tempting discounts, the majority of clients choose Big Bazaar for their shopping.

Key words: *Customer relationship, Global competition, improve relationships.*

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Paper ID: ICCIASH-2022/779

A Project on Payroll Management at J.K Fenner

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Abstract:

As computer technology changes at such a fast phase, many business sectors try to cope by upgrading computer systems constantly to stay competitive. The multi-function ability of technology for its advanced system is also an important factor for a company to use the software. It makes efficient use of advanced technology and has the ambition to discover more. Computers have a great impact on the profession of accounting. With the rapid growth of technology today, there is no doubt that computers will become a common asset in all professions.

The program also allows the monthly payroll schedule to be calculated accurately. Just by having all employees' info like names, working hours, wages, etc entered in the database. Therefore, payroll can be done with the guide of the program. The system is good for its specialty in the field of accounting. It is easy to use, effective and efficient in organizing and calculating the payroll.

In addition, this study aims to develop a reliable and manageable computerized payroll system for a better manageable business. The Proposed Computerized Payroll System will give a big relief to the employee and employers as well.

Effective software systems contain two basic systems operating in Conjunction: an evaluation system and a feedback system. The main aim of the evaluation system is to (if any). This gap is the shortfall that occurs when performance does.

Key words: *Computer Technology, payroll system, conjunction, evaluation system.*

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Paper ID: ICCIASH-2022/7A4

A Project on Organizational Behaviour at Maruti Suzuki

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Abstract:

Affiliations are among the basic units of society. During their establishment and improvement, a specific kind of various levelled culture in the end appears. The lifestyle of an affiliation contains the characteristics and convictions of people in an affiliation. The definitive culture, when in doubt, has values and convictions that help the progressive targets. Every affiliation has an uncommon culture. Each affiliation's lifestyle contrasts in what it regards most, what it expects and recognizes from its laborers, and the way that it completes things. The justification behind definitive culture is to additionally foster grit and connection and to quicken laborers' energy and creative mind to chip away at the affiliation's money related adequacy. Besides, legitimate culture massively influences labourer direct. This study hopes to sort out how definitive culture affects specialist direct. It is fundamental to grasp that to additionally foster the affiliation's business the board and let the progressive culture suitably influence agents. The eventual outcomes of the survey show that definitive culture basically impacts motivation, progresses individual learning, impacts correspondence, and chips away at various levelled characteristics, aggregate decision making, and settling conflicts

Key words: *Decision making, labourers, motivation.*

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Paper ID: ICCIASH-2022/603

CHAT APPLICATION

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Abstract:

Chatting is a method of using technology to bring people and ideas together despite of the geographical barriers. The technology has been available for years but the acceptance was quite recent. Our project is an example of a chat server. It is made up of two applications - the client application, which runs on the user's web browser and server application, runs on any hosting servers on the network. To start chatting client should get connected to server where they can do private and group chat. Security measures were taken during the last one. Functional Requirements User Registration: User must be able to register for the application through an Email, Username and Password. On Opening the application, user must be able to register themselves or they can directly login if there have an account already. If user skips this step, user should able to chat. The user's email will be the unique identifier of his/her account on Chat Application. Send Message: User should be able to send instant message to any contact on his/her Chat Application contact list. User should be notified when message is successfully delivered to the recipient by coloring message. To develop an instant messaging solution to enable users to seamlessly communicate with each other. User friendliness: The project should be very easy to use enabling even a novice person to use.

Key words:

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Paper ID: ICCIASH-2022/607

Quiz Application

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Abstract:

Technology in the field of education is constantly evolving, growing and this increase will continually offer new and extraordinary advances in the field of education. Traditional E-learning systems developed for laptop and desktops were based on standalone application and web based application architecture. These applications will have some limitations to be used effectively or we cannot use them easily.

Since these applications need a computing device and network connectivity. With the advancement in the mobile technology and availability of smart mobile devices and networks we can create a system which can be used to check knowledge levels of students. Since mobile network is available at maximum areas so this can be used for the knowledge testing of any person specially candidates of software company who need a specific skill for job.

Key words: *E-Learning, Quiz , Internet.*

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Paper ID: ICCIASH-2022/518

JOB PORTFOLIO – A NOVEL APPROACH TO BUIL YOUR ENTERPRENUIE DATA IN A SECURE EVIRONMENT

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Abstract:

Portfolio generally means a case used for carrying papers, documents, etc. A portfolio is a collection of some important documents, to keep them safe and secured. Not only personal but it is used to store documents of a company/institution etc. Our project is to build a web portfolio for a company purpose which helps in maintaining the employee details, including their resume, aadhar, pan details, their Id's, and many more. We can also include employee salary, experience, domain details as well. This can be updated as well and this also contains personal portfolio where it is meant for a single employee. This mainly helps in keeping track of employee and also to handle their details easily. And also in maintaining a proper record.

Key words: *portfolio, detail securing.*

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Paper ID: ICCIASH-2022/535

SHOPPING ONLINE- "Shop for clothing & Accessories"

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Abstract:

The Online Shopping is a web based application intended for online retailers. The main objective of this application is to make it interactive and its ease of use. It would make searching, viewing and selection of a product easier. It contains a sophisticated search engine for user's to search for products specific to their needs. The search engine provides an easy and convenient way to search for products where a user can Search for a product interactively and the search engine would refine the products available based on the user's input. The user can then view the complete specification of each product. They can also view the product reviews and also write their own reviews. The application also provides a drag and drop feature so that a user can add a product to the shopping cart by dragging the item in to the shopping cart. The main emphasis lies in providing a user friendly search engine for effectively showing the desired results and its drag and drop behaviour and further more by addition of games the involvement of the audience will be increased because they will be getting rewards and will have fun while playing.

Let us give you an example: If we go to malls like forum mall, inorbit mall, we have to drive to the mall or store find a parking place , walk throughout store to find the product we need. Okay then after finding the product we need to wait or often needs to stand in long lines at cash register.

So to avoid this difficulty online shopping websites have been started.

Key words: *online shopping, games and rewards.*

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Paper ID: ICCIASH-2022/605

HEALTH CARE WEBSITE

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Abstract:

This website is an information resource for those who want to learn and know about their Health issues or diseases. This is a reference source and manual for those who are with disorder or illness.

This website provides online access to all the codes and categories of the health hazards. It also provides a detailed information like type of health issues, symptoms, measures which need to be taken, etc.

At times there are some situations where you can't meet a doctor, in that case this website is very useful to know and gather information about your health problem. It is a full spectrum of biomedical and health research from basic to applied across all areas of health and disease.

It classifies and analyses all types of biomedical and health related researches. Diseases or conditions that may be listed within the background information are listed as 'being relevant' to the study under investigation. Finally it is guide to access knowledge about our medical condition in a safe manner.

Key words: *hazards, biomedical, diseases, research, medical.*

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Paper ID: ICCIASH-2022/542

STUDENT ATTENDENCE MANAGEMENT SYSTEM USING OPERATING SYSTEM

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Abstract:

Student attendance management system deals with the maintenance of the students attendance details . It generates the attendance of the student on basis of their presence in the class. It is maintained on the daily basis of their attendance . The staff will be provided with the separate username and password to make the student's status. The staff's handling the particular subjects responsible to make the attendance for all students. Only if the student present on that particular period, the attendance will be calculated. The student's attendance reports based on weekly and consolidate will be generated. The system communicates with the database residing on a remote server. It calculates automatically , the attendance percentage of students. Without any manual paper-based work. The system facilitates the end users with interactive design and automated processing of attendance management. With the effective use, any institute can apply the "ATTENDANCE MANAGEMENT SYSTEM" for conducting quick attendance and getting better results in less time.

Key words: *Attendance reports, passwords.*

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Paper ID: ICCIASH-2022/505

Electrical Energy Consumption and Bill Calculation System using C

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Abstract:

Electricity measurement and its management became a very big problem and a tireless job. It is time consuming and also complicated job. This proposed system will ease this task. This system uses a C language code where it reads the units consumed by the consumer of wide varied users like Industrial users, Household users, Commercial users …etc. It's interface manages the receipt printing/displaying the amount to be paid by consumer also his category. This system follows approximate Telangana government unit consuming charges. This helps people to know their amount to be paid for the bill. This system reduces restless work, decrease the usage of the machines which are old. It is a cost-efficient method also saves time of the people.

Key words: *Billing system, bill payment, C language, Privacy, Electricity management.*

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Paper ID: ICCIASH-2022/540

Employee management system -A software for staff using data base

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Abstract:

Employee Management System will manage the whole company employee details like their Department details, Salary details, Leave details. Employee Management System, if a particular employee salary is done then a message will be sent to his cell. Even if the employee takes a leave then the software will deduct a one day leave from his casual or sick leave. When the employee opens the system, the attendance will be marked automatically using this software. Employee can also submit his leave in the Software , if the employee needs leave for few days. Even the admin has the right to view everyone's information. Admin can increment the employee's salary using this software. Employee can view their salary details, attendance, leave details and his personal information. The system is viewed as a whole and the input to the system are identified. The outputs from the organizations are traced to the various processes. System analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables, analyzing and synthesizing the various factors and determining and optimal or at least a satisfactory solution or program of action. Employee management system is an application-based system, having two applications developed, one for employers to manage employee details and another for employees to mark their attendance. Every organizations whether government or private uses and information systems to store data of their staff. However, in India it is found that many small scale industries use pen and paper to keep a record. However, there are many advanced technology systems available that can do this work but they are costly for these low level industries. This paper discusses making a system for solving problems for them at a cheaper cost. This system will mark attendance of each employee and calculate the salary of them at the end of the month. It also calculates over time and total working hours of each employee.

Key words: *Information system, Database system, DBMS, Parent table, Child table, Table fields, Primary key, foreign key, Relationship, sql queries, classes, controls.*

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Paper ID: ICCIASH-2022/527

Blood and Plasma Donation - An Act of Humanity

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Abstract:

Blood and plasma donation is an act of humanity. It is the easiest way to contribute to the society. The donated blood and plasma are used to save countless number of lives. But sometimes due to the huge amount of time involved in the process lives are lost due to blood and plasma not reaching on time. So to reduce the amount of time involved in the process we have decided to remove hospitals in the triangle connecting donors and the patients and instead replace it with a platform directly connecting donors and patients. Here the donors are verified for not having any transmittable diseases and are allowed to donate as per will as long as they are healthy. The donors have to register themselves as per will and they will be contacted by patients or their families whenever needed.

Key words:

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Paper ID: ICCIASH-2022/538

A Proposed System for Personifying web Search using Browsing History and Domain Knowledge

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Abstract:

Search engine is software system which is designed to search the information on the world wide web. Search engines helps any internet user to rapidly find relevant information on the world wide web. But the unsolved problems of current search engines have led to the development of the semantic web. Due to the presence of vast number of websites, the search engine has a crucial job of providing the relevant pages to the users, search engines such as google use page ranking algorithm to rank web pages according to the quality of their content and their presence over the world wide web. Search engine optimization is a process of increasing the chances of a webpages to appear in the first page of the search results. Since, whenever the consumer searches for information, they provide a particular phares or a keyword instead of the complete web address, then the search engine use that keyword to find the relevant web pages and show it in a list with the most relevant page at the top.

Key words: *Personalized search, retrieval effectiveness, user profile, Domain knowledge.*

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Paper ID: ICCIASH-2022/530

Development of an Online Bus Ticket Reservation System for a Transportation Service in India

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Abstract:

Online bookings and registration apps have been playing a very important role in today's generation. New methods and ideologies are introduced every now and then. We took inspiration from one such application, Redbus. Redbus is India's leading online bus registration website which offers online booking reducing the hassle of travel agent for general public. Although redbus offers many features like online tracking, refunds, cancellation and many more it does not offer some features. We propose a group project which offers two updates, firstly partial cancellation of tickets and secondly change or transfer of ticket. These updates will surely help the general public.

Key words:

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Paper ID: ICCIASH-2022/601

Railway Management System

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Abstract:

The Railway Reservation System facilitates the passengers to enquire about the trains available on the basis of source and destination, booking of seat numbers of tickets, takes the input of passenger details such as name, age, gender, time to be travelled, enquiry about the status of the booked tickets, prints the bills for the tickets booked etc.

By using struct, we declare elements in structure and by if else condition and for loop we are able to sort salary, Id and calculate avg, max and min.

Key words: *Enquiry, Booking, Travel.*

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Paper ID: ICCIASH-2022/602

IoT Face Mask Detection

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Abstract:

The Internet of Things (IOT) is a network of interconnected physical objects that collect and exchange information and data over the Internet. Face mask identification has increased quickly after corona emphatic last years for various law enforcement security schemes and other business uses. In the present situation due to covid-19 the requirement for face mask identification applications, identification of temperature and hand sanitizing is directly in high need for Railway Entrance, in the office entrance, Airport entrance, museum, Amusement parks, Also in other public places and companies to guarantee safety, The face appears to be growing for others to culminate in a new approach to discovering a new line and suggests defining a face mask, the recommended method for classifying face mask identification using real time covid-19 care for human actions. The proposed method is divided into strategies. The first approach uses a temperature sensor for cycling above the current tire temperature and mechanically spraying disinfectant. In the second technique the work is intended to allow a safety device for people to stay away from covid-19 by detecting a face mask. Finally, we proposed continuous monitoring of human attitudes and store people's records on the service using the in depth knowledge of idea.

Key words: *IoT, covid-19, face mask detection, convolutional neutral network*

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Paper ID: ICCIASH-2022/525

A New Methodology to Implement an Online Academic Scheduling Calendar Management System

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Abstract:

Academic Calendar may be a schedule of all of the events that occur in an educational year. There non-existing options square measure year, month, week, days, remainder, festivals. There in we have a tendency to square measure proposing to feature non existing options they are colouring for and vital days and dates, notifications for vital days. And programming an alarm for that date at a particular time. Students can get pleasure from this , it provides a chance for a lot of , through examination of scholars to alert them, which can offer a nice profit for college students. We have additional accessory options like Hall ticket download, Online fees payment, Results. These would profit heaps and can also save precious time.

Key words:

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Paper ID: ICCIASH-2022/519

Investigating the Impacts That Viewing Pornographic Content Online Can Have on Young People

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Abstract:

"STOP" is implemented through the local based search engines to prevent the teenagers accessing the pornography related contents. Our target is very simple i.e., when the user operates STOP, he would not be able to access pornography contents. The first instant of watching pornography according to our research is related to a point that says unintentional. STOP eliminates that point of inclination as he/she would not be able to access the pornography websites as STOP is designed for redirecting to the safe content-oriented websites. The project possible extension includes sending a notification of the history to his/her parents, bringing up a top up notification whenever teen's watch an adult content(porn) on the screens of user(teen's) stating inspirational quotes and even inspirational videos so that giving them a chance to change themselves. Even if they repeat the same then it's the time for parents to take an action in a patient way and mould them in a proper way to achieve pinnacles irrespective of any proper field. Hence, we brought up a proposal through STOP, to link the extensions with top operated search engines like Google, Google Chrome, Microsoft etc. By this we can achieve our goal as most of the users(teen's) reach out the above-mentioned search engines.

Key words: *"STOP" that says "Secure Teen's Operating Pornography.*

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Paper ID: ICCIASH-2022/523

Food O' Clock: It Is Used To Explore Restaurants In Hyderabad It Is About Ambiance Taste And Price Of The Food

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Abstract:

People earn money to live a happy life. Everyone want to enjoy their life by exploring different things on this world. Most of us like to eat various foods, hangout with friends and family. But when we decide to hangout we don't know where to go. This article is mainly based on different kinds of places where we go and enjoy delicious food. Most of the foodies like to visit different kinds of restaurants, lounges, cafes. So our main motto is to collect genuine information about restaurants, cafes, lounges etc and dump them at one place so that people can easily access it and they can easily decide where to go. Most of the people also look for ambience, quality of food, service, prices when they look for the places. So the implications are to create a platform from where people can access the information quickly about the places where want to visit.

Key words:

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Paper ID: ICCIASH-2022/522

Cafeteria: Classification of Hyderabad's Cafés in View of Cost and Quality

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Abstract:

Customers are the kings of any enterprise. They are the backbone behind the companies. The elements like service quality, customer trust and brand image have an impact on the loyalty of customers. The elements like service quality, Customer satisfaction are independent variables where as the dependent variables only includes customer loyalty. Here we are developing a new website in which it shows the famous and the best café's in Hyderabad which are affordable. In which we have included address, approximation cost, menu and must try dishes in each café's.

Key words:

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Paper ID: ICCIASH-2022/532

Online Mock Test Management - Best Interface for The Present Students

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Abstract:

The contrasts between online and in-person classroom teaching have been the subject of numerous spirited discussions and in-depth studies, but this study is not focused on those issues. Instead, this study focuses on analyzing the advantages and successful implementation methods of the online teaching and learning process. The objective of this article is to offer best practices so individuals who wish to create online courses can make educated choices throughout the implementation phase. The contrasts between online and in-person classroom teaching have been the subject of numerous spirited discussions and in-depth studies, but this study is not focused on those issues. Instead, the goal of this study is to examine the beneficial elements and methods of online teaching and learning.

Key words:

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Paper ID: ICCIASH-2022/533

Passengers' Satisfaction Towards IRCTC Online Reservation Facility at Durg and Bhila

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Abstract:

IRCTC website is developed by the ministry of railways in July 1986. JavaScript is the technology used in IRCTC website. The existing features of IRCTC website is train running status, PNR status, seat availability, booking tickets. We want to purpose that after login into the IRCTC website then only the payment transaction should take place and if any cancellation is done then the refund should be initiated with 2 or 3 working days.

Key words: *bank, growing, institution, financial, camel, analytical, liquidity, growth, trend.*

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Paper ID: ICCIASH-2022/534

A Tool Whatsapp Highlights to Implement in Whatsapp

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Abstract:

WhatsApp is a popular mobile application for providing instant messaging services on smartphones. It uses Internet services to communicate the different types of text and multimedia messages between users or groups. People were more excited about uploading the status. But the status which we are uploading will be there for the next 24 hours. Because of the time limit we are proposing an idea of highlights in WhatsApp's that people can save their status in the highlights and the permitable people can view the highlights and the users can also see their highlights at any time and remember their memories again. It will also be helpful for business purposes.

Key words:

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Paper ID: ICCIASH-2022/529

Student Grievance Cell Management System New Way to Communicate with Authorities

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Abstract:

Grievance redressal system or grievance cell management system is a platform where an individual working in any organisation, or a student studying in any institution can raise their complaints regarding any problems they are facing or suggestions for the benefit of the organisation/institution. These messages are verified by the certain person in charge of passing the grievances to the organisation and then the complaints raised are checked and are implemented for the benefit of employee/student and also the organisation/institution.

Key words:

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Paper ID: ICCIASH-2022/524

Comparative Study of Email Applications Performance for Multi-Protocols on Wireless Network

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Abstract:

In this project we are going to learn HTM, JAVASCRIPT on. Object oriented design in real world application. PHP mail is the built-in PHP mail function that is used to send emails from PHP scripts. It's a cost-effective way of notifying users of important events. Let users contact you via email by providing a contact us form on the website that emails the provided content. The first way to send contact form directly from a PHP script is by using the built-in php mail () function. To use the PHP send mail feature, you need to host your PHP contact for on a web server.

How does PHP Mail Function Work?

When a user fills the contact form and presses submit button, it will send HTML form data to email using the PHP mailer function. Mostly, people want to get HTML form data to email after form submission. The first way to send a contact form directly from a PHP script is by using the built-in PHP mail() function. To use the PHP send mail feature, you need to host your PHP contact on a web server.

Important Note: First of all, host your contact form on any live web server in order to execute PHP code. And change your file extension to .php to run a PHP script.

Key words:

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Paper ID: ICCIASH-2022/517

Identification of covid 19 effects and analysis in a pandemic periods

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Abstract:

As we comprehend, for the past two years we have been impacted by Covid 19 and suffered a lot it first attacked us in the month of December so the people are more eager to know whether the test is positive or negative to diminish the transfer of this virus so there was a deep study going on as a result we have obtained many different methods and precautions on how to control this virus. First priority is our self-care. The current covid 19 pandemic is clearly an international public health problem. Every project leads to some innovativeness and purpose of this project is to increase the number of vaccinations drives so that each and every citizen here gets vaccinated.

Key words:

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Paper ID: ICCIASH-2022/504

An automated restaurant management system using web application

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Abstract:

Over the years, due to the advancement of technology restaurant industry has developed rapidly. Research shows that restaurants were using POS system, order management, CRM, marketing software etc.. Our system is a web application which manages the restaurant operations such as order handling, payments and inventory operations. A table mounted tablet or android phone consists of our web application. When the application is opened we can see a template which consists of customer login, restaurant login and customer review and ratings. Customer login contains menu with its detailed description and its payment details including all types of taxes. Restaurant login contains the inventory and employee details. Data is stored and errors can be rectified. This system saves time and avoids manual errors. Transactions can be made smoothly.

Key words: *POS, CRM.*

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Paper ID: ICCIASH-2022/528

Insta Order: A Methodology to Book Your Order Through Instagram

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Abstract:

Instagram is a visual platform and it is a sole purpose to enable users to share images or videos with audience. In this it has profile, search option, reels, stories, IGTV, comments etc. Instagram allows you to build your brand image through pictures and videos far more effectively than Facebook or Twitter or any other social media website and it is a site that can be used as a tool for students to stay up- to- date on their interests and hobbies , allows you to earn money with the help of IGTV Ads, Branded Content and also it is famous for Business growth like discover brands also connect with local small businesses and buy products that compliment personal styles. The clothing products, accessories, makeup products are trending on Instagram. We are creating a feature on the Instagram, where customers can shop for grocery and licious anywhere and any place. Instead of going around and looking for the products, we can simply search for particular item add them into online cart. Spend 5 minutes shopping online in comfort instead and have your groceries arrive at the front door.

Key words: *licious and grocery.*

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Paper ID: ICCIASH-2022/526

A New Methodology to Implement Learning Management System

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Abstract:

Learning management system (LMS) is a software application system or web based technology used to plan, implement and assess a specific learning process. It is used for e learning practices and its most common form, consists of two elements a server that perform the basic functionality and a user that is operated by instructors students and administrator by using this LMS students can gain knowledge through this platform, development of faculty can be achieved can access courses, or read or work irrespective of their location. During covid time the importance of online education spread a lot. LMS provides an instructor with a way to create and deliver content, monitor student participation and assess student performance. now we are make online education some more effective by adding some more features like adding time limit and no. of attempts one user can have until the due date of assignments.

Key words: *LMS, e-learning.*

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Paper ID: ICCIASH-2022/521

In a world of social media: A case study analysis of instagram

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Abstract:

Instagram is a relatively new form of communication where users can easily share their updates by taking photos and tweaking them using filters. It has seen rapid growth in the number of users as well as uploads. Celebrities post their lifestyle on Instagram to let people know about the updates. Even common people have the chance to get famous by uploading videos if it is the great platform to express one's talent. We have an option called reels where it can be used as an entertainment and as well as for creating reels to express one's talent and some of the features are missing like games etc., we introduce games in which we can play with friends and family.

Key words:

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Paper ID: ICCIASH-2022/606

IMAGE RECOGNITION FLOWER CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORK

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Abstract:

Beauty is incomplete without flower. Bangladesh is the land of flower. In our everyday life, On the way of walking, beside the rail line or in our garden we used to see a lot of flower. But in most case we have no knowledge about that flower. Even we don't know its name. In that case we choose this idea to research and develop our project. That will introduce people about that unknown flower which they see but don't know about that. Our developed application recognizes the flower in real time by using mobile camera. This project is an attempt at using the concepts of neural networks to create an image classifier by Tensorflow on Android platform. Convolutional neural networks are a popular realm of machine learning, and are widely used in image classification. So that we choose this topic to research about image classification by CNN and Tensorflow. Though we developed an application of our research project but we have a lot of plan to do more research to upgrade our system.

Key words: *Flower classification, Convolution neural, Networks, Machine learning.*

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Paper ID: ICCIASH-2022/604

VOICE-BASED VIRTUAL ASSISTANT

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Abstract:

The vast web has many products and services that customers may feel overwhelmed with. In addition, people are busy and need help in various fields, even for their day-to-day tasks. Today, voice-based virtual assistants are in demand to simplify users' lives. People can use these applications like Alexa for entertainment purposes, search for online products and services, and perform everyday tasks for better productivity. To build this system, Natural Language Processing is used to understand human language. The system will hear the voice, convert it into machine language, and save the commands in its database. It will also identify users' intent to perform the task accordingly and may use text-to-speech or speech-to-text tools. Voice-based virtual assistants are used to find relevant items on the internet, play music, movies, and videos for entertainment, set reminders, write quick notes, activate and deactivate home appliances, and more.

Key words: *Virtual assistant, Natural Language Processing.*

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Paper ID: ICCIASH-2022/539

BUS TRANSPORTATION AND NAVIGATION SYSTEM

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Abstract:

This paper presents a idea of navigation system for public transport which is very much needed for the fastest developing cities in the world, has transportation is becoming a major issues in most of the developed cities ,we try to utilize idea of internet of things (IOT) has a great emerging ideas to overcome existing disadvantages of public transport system to engage smart technology into real life urban bus services at least cost based sensors that gives information to the cloud servers that helps public to track buses, an user interface is built so that passengers can track the buses using their smartphones and tablets, A GPS tracker will be placed in every bus to get the location status and a RFID reader along with the GPS tracker that helps to calculate the speed and the estimated arrival time of the bus , for every bus a unique ID will be given as route number , there are 3 layers used , sensor layer, communication layer, application layer.

Key words: *IOT, cloud servers, GPS tracker.*

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Paper ID: ICCIASH-2022/102

Materials for Replacement Concrete

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Abstract:

The water-cement ratio in repair concrete should be the same as in identical new constructions or the existing structure, although it should not exceed 0.47 by weight. To minimise water content and subsequent shrinkage, utilise aggregate with a maximum size of as large as possible and a slump as low as is consistent with appropriate placement and complete vibration. Entrapped air should make up 3 to 5% of the concrete. To reduce shrinkage, the concrete should be laid as cool as possible, preferably at 20 °C or lower. During hot weather, materials should be stored in shaded regions. When combining water, it may be necessary to use ice. Material batching should be done by weight, but batch boxes can be utilised if they are the exact size needed. For replacement concrete, the slump should be as low as feasible, and it should be less than 75mm. Starting with an over-sanded mix with a maximum aggregate size of 20mm, a maximum water-cement ratio of 0.47 by weight, 6 percent total air by volume of concrete, and a maximum slump of 100 mm, structural concrete placements should be commenced. This specific mix should be applied to the junction at the bottom of the placement several inches deep. On the construction joints, a mortar layer should not be applied.

Key words: *Water-cement ratio, concrete, aggregate, slump.*

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Paper ID: ICCIASH-2022/537

CARTOONING AN IMAGE BY USING OPEN (CV)

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Abstract:

Open CV is a cross-platform library user from computer vision it includes applications like videos and images capturing and processing it is majorly used in images transformation, object detection, face recognition and many other stunning application.

Cartooning an image with transform an image into its cartoon form. Today we found many numbers of application on internet to convert images to cartoon effect. Cartoon style have unique style identification with high level signification, abstraction and carton image tends to clear edges, smooth color and relatively simple textures which exhibits signification for texture description based on loss function used in existing method. There are multiple properties in image processing. Each picture of the element together viewed as 2-D matrix. In this field of research processing an image consisting of an identifying an object in image, identifying an image, number of objects, changing the images to blur edges and such effects are highly appreciated

Key words: *Objects Extraction, Cartoon pictures, Cartoon Image Retrieval, k-Means application.*

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Paper ID: ICCIASH-2022/531

Telegram: A Tool for Instant Messaging that Supports Online Language Learning

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Abstract:

Telegram is a freeware, cross- platform cloud-based. Instant messaging (IM) service. It was launched for IOS on 14 august 2013 and android on 20 October 2013. The service also provides end to end encrypted, video calling, file sharing, mute contacts and groups, customize, to look of telegram, upload multiple profile picture of telegram, several other features but status is not there in existing system. We are proposing a project which is design a feature in telegram application to update "STATUS" allow you to share text, photo, video, and GIF updates that disappear after 24 hours and that is also end-to-end encrypted.

Key words: *IOS, IM.*

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Paper ID: ICCIASH-2022/536

LIBRARY MANAGEMENT SYSTEM BY OPERATING SYSTEM OF AUTOMATED LIBRARY SYSTEM

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Abstract:

A college library management is a project that manages and stores books information electronically according to the students needs. The system helps both students and library manager to keep a constant track of all the books available in the library. It becomes necessary for colleges to keep a continuous check on the books issued and returned and even calculate fine. These errors are avoided by allowing the system to keep track of information such as issue date, last date to return the book and even fine information and thus there is no need to keep manual track of this information which thereby avoids chances of mistakes. Thus this system reduces manual work to a great extent allows smooth flow of library activities by removing chances of errors in the details.

Key words: *electronically, reduces manual work, constant track.*

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Paper ID: ICCIASH-2022/501

A Mini Online Auction System using Web Application

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Abstract:

Auctions are conducted over the decades. This auction method is used to sell the products via bidding. The product is sold to the person who has given the highest bid. Nowadays auctions are conducted virtually (online). This online auction system is a web application consists of two interfaces they are Admin interface and User interface. Where admin monitors the entire auction through admin interface, and user uses the web application through user interface. User must have to register in the web page and then have to login into the page. User i.e. seller can post the product images with base price. Buyer can view the product and can bid for the product. The development of this new system contains the following features like call with seller where buyer can contact seller through normal call or video call for any types of queries, tracking i.e. buyer can track the product and can see the estimated delivery of the product, Detailed description of the product includes info like scratches and damages to the product, bidding history of the user.

Key words: *Online auction, interface, admin, user.*

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Paper ID: ICCIASH-2022/7A2

Social Security Benefits

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Abstract:

The Social security is a self-financed program that provides monthly cash benefits to retired and disabled workers, to their family members and also to the family members of the deceased workers. It is financed by payroll taxes paid by covered workers and their employers. Social security income and outgo are accounted for in two separate trust funds authorized under Title II of the Social Security Act. Social Security is one of the pillars of which the structure of welfare state rests.

Biotechnology is technology based on biology, especially when used in agriculture, food science, and medicine. The Unconventional on Biological Diversity has come up with one of many definitions of biotechnology: "Biotechnology means any technological application that uses biological systems, living organisms, or derivatives thereof, to make or modify products or processes for specific use."

National Dairy Development Board (NDDB) established Indian Immunologicals Ltd. (IIL) in 1982 with the objective of making Foot and Mouth Disease (FMD) vaccine available to farmers at an affordable price. The technology for FMD vaccine manufacture was obtained from M/s. Wellcome Foundation, UK. The plant in Hyderabad today has a capacity to make 360 million trivalent doses of FMD vaccine, making it the largest producer of this vaccine in the world.

Key words: *IIL, Biodiversity, Social Security.*

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Paper ID: ICCIASH-2022/7A9

APPRAISAL SYSTEM AT BSNL A STUDY ON PRFORMANCE

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Abstract:

Employee performance has traditionally been accorded prime focus by human resource managers. As a result, several performance appraisal techniques have over time been devised to help establish employee performance. In contemporary times, the use of performance appraisals has been extended beyond the rating of the employee‘s performance to aspects such as motivation. Accordingly, this study sought to investigate the effectiveness of performance appraisal systems and their effect on employee motivation. The study‘s main objectives pertained to establishing the moderating role of performance appraisal as motivation tool as well as potential challenges. The study findings show the presence of significant positive outcomes when the organization uses performance appraisal as a motivation tool. Further, the study finds that the use of more than one appraisal technique helps yield greater satisfaction and consequently higher motivational levels. The specific aspects of performance appraisal systems (PAS) that help improve motivation include the linking of performance to rewards; using the PAS to help set objectives and benchmarks; as well as the use of PA to help identify employees' strengths and weaknesses.

Key words:

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Paper ID: ICCIASH-2022/506

Online examination system using C programming language

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Abstract:

Some important and basic needs like Food, water, electricity and education will always have been in demand among the people. So in the field of education and examination, online examination system is the most important criteria to test the person's ability or eligibility. This technology is increasing and improving its features from time to time. This technology has been developed by projects using programming languages like C, C++, C#, python, java etc… This can be even developed without using any programming language like by using google forms for preparing question papers and google sites for conducting exams. It becomes very easy for a student or a candidate for testing themselves and it becomes easy for examiner to evaluate and for students to check their results.

Key words: *google forms, google sites.*

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Paper ID: ICCIASH-2022/768

A Study on Customer Relationship Management

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Abstract:

Customer relationship management is a process of current and future customer integration and it is a process of carefully managing detail information about individual customer and all customer touch point to maximize customer loyalty. A customer touch point is any occasion on which a customer encounters the brand and product from actual experience to the personal or mass commutation to the casual observation. High power employee who understands the need of sophisticated business traveller and at least one best one in reason facility such as a premier restaurant or spa. Sometime touch point is where you least expect, such as in customer billing Microsoft global CRM product manager. Karen smith related what happened when a telecom nation face book mailing and many more and company covered to unified billing one bill all for line to cut company cost. One of the customers require a slightly modified version of unified billing to suit his expense submission purpose. The frosted customer then switches his two business or another line or another telecom nation company but lost his discount with the original provider, which still had his personal account. Even more frustrated, the customer then moved all his business to the new telecom nation company. Karen smith related what happened when a telecom nation face book mailing and many more and company covered to unified billing one bill all for line to cut company cost.

Key words: *CRM, Customer.*

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Paper ID: ICCIASH-2022/7A5

A Study on Performance Appraisal with Traditional and Modern Method

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Abstract:

Performance appraisal is a systematic evaluation of present potential capabilities of personnel and employees by their superiors, superior's superior or a professional from outside. It is a process of estimating or judging the value, excellent qualities or status of a person or thing. It is a process of collecting, analysing, and evaluating data relative to job behaviour and results of individuals. The appraisal system is organised on the principle of goals and management by objectives. Management decisions on performance utilise several integrated inputs: goals and plans, job evaluation, performance evaluation, and individual history. It connotes a two-dimensional concept - at one end of the continuum lies the goals set by the authority, and at the other end, the performance achieved by the individual or any given group.

Performance appraisal can be either formal or informal. Usage of former systems schedule regular sessions in which to discuss an employee's performance. Informal appraisals are unplanned, often just chance statements made in passing about an employee's performance. Most organisations use a formal appraisal system. Some organisations use more than one appraisal system for different types of employees or for different appraisal purposes. Organisations need to measure employee performance to determine whether acceptable standards of performance are being maintained. The six primary criteria on which the value of performance may be assessed are: quality, quantity, timelineness, cost effectiveness, need for supervision, and interpersonal impact. If appraisals indicate that employees are not performing at acceptable levels, steps can be taken to simplify jobs, train, and motivate workers, or dismiss them, depending upon the reasons for poor performance.

Key words:

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Paper ID: ICCIASH-2022/746

A Study on Financial Risk Management

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Abstract:

Financial Risk Management underscores the fact that the survival of an organisation depends heavily on its capabilities to anticipate and prepare for the change rather than just waiting for the change and react to it. The objective of financial risk management is not to prohibit or prevent risk taking activity but to ensure that the risks are consciously taken with full knowledge, clear purpose and understanding so that it can be measured and mitigated. The present study is on Risk Management in India bulls. The core of the study is to analyze various kinds of risk i.e credit, interest rate, liquidity and operational risk and how to measure and monitor these risk. The study undertakes sample of six banks, which includes both public and private sector.

Key words: *Risk management, credit, interest rate.*

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Paper ID: ICCIASH-2022/541

Internet of Behaviour (IoB) and the future

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Abstract:

Snake game is a computer action game, whose goal is to control a snake to move and collect food in a map. In this paper we develop a controller based on movement rating functions considering smoothness, space, and food. Scores given by these functions are aggregated by linear weighted sum, and the snake takes the action that leads to the highest score. To find a set of good weight values, we apply an evolutionary algorithm. We examine several algorithm variants of different crossover and environmental selection operators. Experimental results show that our design method is able to generate smart controllers. The Nokia inspired Snake game implemented on 8051 platform. The game is built on AT89851 Microcontroller. The game uses an 8 LED dot matrix display and five way keys for user interface. A dedicated delay settings key provides one touch access to the delay settings mode where the speed of the Snake can be adjusted.

In our project we are implementing the snake game by using microcontroller. In this we are using switches one is Start for starting of the game and remaining switches for snake movements left, right, up and down these switches used like as a buttons in mobile

Key words: *8051 platform, AT89851 Microcontroller.*

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Paper ID: ICCIASH-2022/743

STUDY ON FINANCIAL PERFORMANCE OF CANARA BANK

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Abstract:

The primary goal of the current study is to understand the financial performance of Canara Bank by using data collected during a four-year period, from 2018–2019 to 2021–2022. Every country's economic progress depends in large part on banks, especially government banks. Due to their listing on both the National Stock Exchange (NSE) and the Bombay Stock Exchange, the performance of the top three government sector banks is the focus of the current study (BSE). For the statistical examination of banks' performance, financial ratios are utilised. Three crucial metrics: the price/book ratio (Tobin's Q model), which measures performance on the internal front, the return on assets (ROA), which gauges performance on the internal front, and the return on equity (ROE), which is a crucial profitability ratio that investors use to gauge the size of a bank's income.

The chosen government banks' financial performance has been gauged using income that is returned to shareholders as equity. The data has been chosen for the specified banks from 2018–2019 to 2021–2022. The three measures' respective financial performance have been determined using the multiple regression technique based on the independent variables of bank size, credit risk, asset management, operational effectiveness, and debt ratio. The findings show that each of the chosen ratios has an effect on the financial health of government-owned commercial banks.

Key words:

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Paper ID: ICCIASH-2022/747

An Analysis about a financial statement an organisation

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Abstract:

In any organization, the two important financial statements are the Balance Sheet and Profit & Loss Account of the business. Balance Sheet is a statement of financial position of an enterprise at a particular point of time. Profit & Loss account shows the net profit or net loss of a company for a specified period of time. When these statements of the last few year of any organization are studied and analyzed, significant conclusions may be arrived regarding the changes in the financial position, the important policies followed and trends in profit and loss etc. Analysis and interpretation of financial statement has now become an important technique of credit appraisal. The investors, financial experts, management executives and the bankers all analyze these statements. Though the basic technique of appraisal remains the same in all the cases but the approach and the emphasis in the analysis vary. A banker interprets the financial statement so as to evaluate the financial soundness and stability, the liquidity position and the profitability or the earning capacity of borrowing concern. Analysis of financial statements is necessary because it helps in depicting the financial position on the basis of past and current records. Analysis of financial statements helps in making the future decisions and strategies. Therefore it is very necessary for every organization whether it is a financial or manufacturing, to make financial statement and to analyze it.

Key words: *financial statement, investors, analysis, interpretation.*

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Paper ID: ICCIASH-2022/886

Monte Carlo Modelling of Medical linear accelerator

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Abstract:

Different detector types, such as unshielded diodes, diamond detectors, and small-volume ion chambers, are used for small-field measurements. Although the active volumes of these detectors are small, their non-water equivalent materials cause response variations. Herein, we aim to calculate the correction factors for our clinical detectors, EDGE detector (Sun Nuclear), 60017 diode (PTW), and CC01 ion chamber (IBA), for stereotactic radiosurgery cones of diameters of 5–15 mm in an Elekta Synergy linear accelerator using a Monte Carlo simulation. An Elekta Synergy linear accelerator treatment head was simulated using BEAMnrc Monte Carlo code as per the manufacturer specification. All three detectors were simulated as per the manufacturer specification. Three EGSnrc user codes were used for the detector simulation based on the detector geometry. The Monte Carlo model of the treatment head was validated against the measured data for a standard field size of 10×10 cm2. The off-axis profile, percentage depth dose, and tissue phantom ratio TPR_10^20 were verified in the validation procedure. The measured and Monte Carlo calculated relative output factors (ROFs) were not consistent. In a 5 mm field size, EDGE diode overestimated the ROF by 7.06%, and 60017 diode to 4.611%. In a 7.5 mm field size, the variations were 4.295% and 3.691% for EDGE and 60017 diodes, respectively. CC01 ion chamber under-responded up to 10% because of its low-density active volume. The maximum corrections were obtained in the smallest field size, which were 0.939(0.007), 0.962(0.006), and 1.117(0.008) for EDGE, PTW T60017, and CC01 detectors, respectively. After applying the Monte Carlo calculated correction factor to the measured ROF, it became consistent with the Monte Carlo calculated ROF.

Key words: *Elekta Radiosurgery Cones, Monte Carlo Simulation, Detector-Specific Correction Factors*

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Paper ID: ICCIASH-2022/445

WIRE LESS AC POWER DETECTOR

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Abstract:

Safety matter should be given first priority in any circumstances whatever. In our day to day life every one of us has been experiencing electric shocks at home , work place or anywhere else .Some time it may even lead to death .Due to touching of live wires. Live wire is a wire in which electricity is passing through. This project has capability to sense AC current (or) power flow into a wire without any manual touch. When current is passing through the wire it emits radiation around it. That radiation is sensed by the antenna present in the devise .The received radiation is absorbed by the device and it will be showing in human recognizable form with help of sound buzzer or LED present in our device .By seeing that we can understand and be care full while handling live wire. This is helpful in day to day life as makes easy to detect the flow of current in any of the instrument easily.

Key words: *ac current, wire less.*

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Paper ID: ICCIASH-2022/308

SANITIZER DISPENSER (WITHOUT ARDUINO)

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Abstract:

The Automatic Sanitizer Dispenser Machine is an infrared movement sensor-based dispenser machine. It used to dispense any alcohol-based liquid, called sanitizer. It has a touch-less activity, which makes user fearless and comfortable about the sanitization procedure. Another name of this Automatic Sanitizer Dispenser Machine is a contact-less or touchless sanitizer dispenser machine. Because of the inbuilt movement sensor, it detects the hand movement underneath the metal nozzle and opens the valve to dispenser sanitizer.

The essence of using contact-free hand sanitizer dispensers was realized all over the world. This work primarily focuses on developing a fast, efficient, and a hassle-free method for hand sanitization in large public gatherings. An Infra-Red (IR) sensor-based automatic hand sanitizer dispensing device which uses alcohol-based sanitizer and locally available materials and components with basic functionality was developed. An Extended Reality (XR) approach was employed in design and assembly steps for visualization purposes. This cost-effective contact-free device can be quickly replicated remotely and can be immediately pressed into actions, particularly in rural parts of India to fight the COVID-19 pandemic effectively.

Key words: *IR sensor, DC water pump, PNP transistor.*

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Paper ID: ICCIASH-2022/726

A STUDY ON INVESTMENTS MANAGEMENT- ICICI BANK

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Abstract:

Investment and banking organization plays an important role for the economic development of the country. India's banking system is featured by a huge network of bank branches, and it serves many sort of financial services of the people. Now a days ICICI Bank is a leading player in the sector of Indian banking and is deeply engaged in economical as well as human development in the country. The Bank is working with the foundation of Industrial Credit Investment and Corporation of India (ICICI) across diverse sectors and programs. ICICI Bank is the second largest bank in India in terms of Assets and Market capitalization. ICICI Bank has emerged as the pioneer venture on the horizon of offering an expended range of financial services and banking products for the retail and corporate customers through its diverse delivery channels and specialized subsidiaries in the areas of investment banking asset management, venture capital and insurance. It is crucial to analyze the financial services of ICICI Bank in terms of strategic importance and nation interest. The aim of this research paper is to analyze and evaluate the financial services and customer perception on the behalf of financial performance of ICICI Bank. And also find out the objective of the bank and to give efficient and effective suggestions for improvement in the bank.

Key words:

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Paper ID: ICCIASH-2022/320

Student Attendance Personal Tracker

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Abstract:

College students need to maintain minimum attendance of 75% to be eligible to write semester exams but they also need to take leaves for various reasons like medical issues, attending family functions or outing with friends sometimes or extra-curricular activities such as sports, dancing/singing classes, Martial Arts/Boxing/Karate classes etc. That may be excused or unexcused.

For this project, I am creating a web-based student attendance calculator that can be used for Attendance tracking which is easy to use and free from any manual tasks. If a student is aware of his total attended working days and total number of working days of college, his attendance percentage can be calculated. Apart from calculating attendance, once attendance is calculated, it will also display whether your attendance is above 75% or not and if not, then how many days he needs to attend to be above 75% and if yes then how many days he can take leave. But it is highly recommended that a student should maintain above 85% and attend every possible lecture so he doesn't miss important concepts and cover maximum syllabus. An application like this is not only guaranteed to be accurate but also extremely easy to use now that smartphones/tablets are used in common.

Key words:

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Paper ID: ICCIASH-2022/762

A STUDY ON QUALITY OF WORK LIFE AT HERITAGE FOODS

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Abstract:

A Quality of work life is a critical concept with having lots of importance in employee's life. Quality of work life indicates a proper balance both in work and personal life which also ensure organizational productivity and employee's job satisfaction. This research study attempted to find out the factors that have an impact and significance influence on quality of work life of employees. Quality of work life is a process in an organization which enables its members at all levels to participate actively and effectively in organizational environment, methods and outcomes. This study focuses on the subjective matter of QWL i.e. its key elements like job security, job performance, employee satisfaction etc. The study concluded that an appropriate organization culture, compensation policy, career growth and relative facilities can leads to a satisfied employee mindset which ensure the overall organization productivity.

Key words: *QWL, Job security, performance, productivity.*

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Paper ID: ICCIASH-2022/444

PLANT MOISTURE MONITORING SYSTEM

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Abstract:

A plant or tree needs a sufficient water to grow. Several times we may forget to water (or) busy in our own works to water the plant or tree. To solve this problem we are going to introduce this system. With help of some electronic components, Here we use a timer IC which is used to monitor the time. A soil moisture sensor is used to monitor the moisture level of the soil. A LED and buzzer is used to get audio-visual and alert. When the soil moisture is below 21% then we get alarm from this system. When we water to plant or tree then it goes off. With the help of a simple combinational circuit and with a sensor we can save a plant or tree.

Key words:

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Paper ID: ICCIASH-2022/765

A PROJECT REPORT ON HIGH PERFORMANCE WORK PRACTICES IN HINDUSTHAN UNILEVER LIMITED

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Abstract:

A WORK PRACTICE is a top pastime involved between work practicing merchandise and then features within answer for money or vile compensation. It is the practice of completing about commercial activity.

A WORK PRACTICE is whole through the seller and the issuer concerning the lading or features according to winning and possessed and request followed by using the bank concerning title (property then ownership) into the item yet the software then the appropriate settlement of a price, the obedience because as arises appropriate according to the seller's business to omit ownership, life a cost that is joyful by quantity together with possession about then somebody claim above the item. The purchaser, even though a birthday celebration by the traffic does no longer solve the sale, solely the seller does that. To remain precise the traffic completes previously in imitation of the payment yet offers upward shove according to the discipline about payment. If the vendor completes the forward pair atop tiers (consent and bank ownership) over the traffic previously according to a settlement over the price, the sale is nevertheless valid and then gives an upward shove after an obligation according to to pay.

Service is the unclean equal of a good. The service system is oft a monetary recreation of the place the buyer does now not generally, without by way of special contract, achieve exclusive possession of the issue purchased. The advantages of certain a service, agreement priced, are finished to be self-evident into the buyer's assent according to to pay because of it. Public purposes are those class pays because of as much a total via taxes then vile means.

By entry yet orchestrating the excellent level over resources, skill, ingenuity, yet journey because of effecting specific benefits for employment consumers, service vendors take part in a financial system besides the restrictions concerning assuming inventory (inventory) or the need to concern themselves including cumbersome raw materials. On the lousy hand, their investment among advantages does require steady service advertising and upgrading between the face concerning opposition as has equally not many bodily restrictions. Many so-called services, however, require enormous bodily buildings and equipment, yet consume full-size amounts of resources, certain as transportation features and the military.

Key words: *Appraiser, HRM, criticism, innovation.*

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Paper ID: ICCIASH-2022/769

A Study on Employee job satisfaction at wipro

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Abstract:

The study of job satisfaction enriches management with a range of information about the jemployeesoyee, environment, etc. which facilitated it in decision making and correcting the path of organizational policies and behavior. It indicates the general level of satisfaction in the organization with its programs, policies, etc. Secondly, it is a diagnostic instrument for knowing employees‟ problems, effecting changes, and correcting with the least resistance. Thirdly, it strengthens the communication system of the organization and management can discuss the result for shaping the future course of action. Fourthly, it helps in improving the attitudes of employees towards the job and facilitates the integration of employees with the organization. It inspires a sense of belongingness and a sense of participation leading to the overall increase in the productivity of the organization. Fifthly, it helps unions to know exactly what employees want and what management is doing. Thus, it facilitates the mutual settlement of grievances and other unwanted situations. Lastly, it facilitates determining the training and development needs of the both, employees and the organization. If we can improve job satisfaction and morale, we can improve job performance as well. Soon the management set about to take advantage of this newly found insight and they took action on two fronts.

First, they initiated attempts to measure the state of employee feeling to know where to concentrate their efforts in improving employee- satisfaction. Secondly, they set about to train their managers, especially first-level supervisors, to pay attention to the attitudes and feelings of their subordinates so that performance could thereby be improved.15 The topic of job satisfaction at work is getting wider attention at this time. Job satisfaction is the satisfaction one feels while doing the job. Job satisfaction is one of the important factors, which affect not only the efficiency of the laborers but also such job behavior as absenteeism, accidents, etc

Key words: *job satisfaction, work performance, work safety*

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Paper ID: ICCIASH-2022/767

A PROJECT REPORT ON HIGH PERFORMANCE WORK PRACTICES IN HINDUSTHAN UNILEVER LIMITED

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Abstract:

A Job is a collection regarding duties or obligations to that amount an worker is accountable in conformity with conduct. Jobs hold titles. A assignment is a commonly defined as much a unit of work, as is, a set concerning activities wished to birth partial result, e.g., vacuuming a carpet, writing a memo, selection the mail, etc. Complex positions among the business enterprise may additionally consist of a tremendous number on tasks, as are every now and then referred in imitation of as functions. Job roles are lists concerning the standard tasks, or functions, then duties of a position. Typically, they additionally include in conformity with whom the position reports, specifications certain as the qualifications needed by the individual in the job, revenue spread because of the position, etc. Job roles are typically promoted through conducting a assignment analysis, which consists of analyzing the duties yet sequences about duties fundamental in imitation of perform the job. The evaluation appears at the areas regarding knowledge and expertise wished through the job.

Job roles is the approach in imitation of analyze the designations of the departments. It indicates what the personnel regarding a unique connotation has in conformity with do. The purpose concerning Job roles is originate then keep an norm Job roles template in imitation of all the personnel concerning the particular appellation of the department or in accordance with make to them earlier aware as talents those need in accordance with work the precise work then such as are theirs roles or responsibilities.

Key words: *Appraiser, HRM, criticism, innovation.*

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Paper ID: ICCIASH-2022/461

USB MOBILE CHARGER CIRCUIT

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Abstract:

The purpose of USB mobile charger circuit is used for charge various number of electronic devices like smartphones, tablets etc. The charging as the USB port is very helpful voltage source that can charge the mobile. The mobile charger circuit presented in this project can give 4.7v of voltage for charging the phone. As USB outlets can give 5v Dc and 100MA of current. It is sufficient for slow charging of mobile phones so they can be used to change the mobile phone. It is one of the latest methods to exchange information from pc to real world. The USB port offers power to the external devices+5v of power is available at pin1 and -5v.

Key words: *USB mobile charger circuit.*

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Paper ID: ICCIASH-2022/449

ELECTRONIC PIANO CIRCUIT USING 555 TIMER

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Abstract:

We are designing an electronic piano using 555 timer. A piano is a musical instrument that produces different types of sounds when we press different buttons. In this tutorial, we will show you how to make an Electronic Piano Circuit using a 555 timer IC and some other basic electronic components. The 555 timer will generate 5-15 different kinds of sounds. This sound depends upon the frequency of the output signal produced by the 555 timer. To make this diaphragm of the loud speaker will vibrate according to the frequency and amplitude of electric signals Audible frequency range of humans is from 20Hz to 20 KHz, so we are going to generate frequencies in this range using 555 timer and feed it to the loud speaker.

Key words: *555 Timer IC, Diaphragm of loud speaker, Audible frequency 20Hz to 20KHz*

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Paper ID: ICCIASH-2022/452

555 AM TRANSMITTER

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Abstract:

We have constructed an Amplitude modulation and demodulation circuit. Amplitude modulation is used in the real-world for the transmission of message signals over long distances with minimum distortion. It genarates an amplitude modulation signal around the 600 KHZ range which you will be able to pickup with any normal AM radio.AM transmitter takes the audio signal as an input and delivers amplitude modulated wave to the antina as output to which is to be transmitted. The working of AM transmitter can be explain by the audio signal from the output of the microphone is sent to the pre-amplifer. It boots the level of the modulating signal. Both the modulating and the carrier signal is sent to AM modulator.

Key words: *555 AM transmitter.*

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Paper ID: ICCIASH-2022/458

ELECTRIC MOSQUITO REPELLENT CIRCUIT

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Abstract:

Control of mosquitoes is something of the greatest important in the present day with rising number of mosquitoes. Mosquito repellent used to combat mosquitoes are required. The various pesticides herbicides and other repellents are toxic and are risk for human health electronic mosquito repellent is an emerging technology which cheap, eco-friendly effective and produce no risk at all human. We make the mosquito repellent circuit and testing this circuit. Main aim of this work is developing a device that is capable of emitting ultrasonic energy of varied frequencies.

These frequencies do effects the hearing senses of insects and animals like mosquitoes, rat, bird, dog, cat etc. by making these animals uncomfortable in their comply. This circuit is based on 555 Timer IC. This circuit is simple and need few components. The mosquito repellent circuit generates an ultrasonic sound with a high output frequency above 20 KHz that allows spreading mosquitoes within a wide radius. The oscillation frequency is given by the value of the resistor and a capacitor component. The electronic mosquito repellent circuit can be supplied from a 9V DC power supply. The hearing distance of this device is around 10 meters.

Key words: *555 Timer.*

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Paper ID: ICCIASH-2022/205

Mobile Control Motor

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Abstract:

This project is designed to operate Dc motor using a mobile application. Dc motor is widely used in agriculture. In India, agricultural field play an important role in economic development. When the farm is a way from the farmer's house, typically a few kilometers away, the farmer must go on foot to turn on or turn off the motor. If the motor isn't operated properly it will lead to the motor being damaged. Sometimes the motor might even get destroyed. Thereby it would be more liable to control the motor from anywhere convenient to the farmer. Our target is to control the motor from distant place by our mobile application. Using the mobile application, we control the motor from any place for benefit to farmers. Farmers are unable to check if three phase current is available via their phones. They follow the traditional manual method, which is both energy and time consuming. Thereby checking for three-phase current through their mobile phones is a faster and convenient approach. Switching on the motor during rain is a waste of current. Thunder storm can destroy a motor within no time. Hence, protection is required for the motor. Rain detector is present to indicate rain and lightning to protect the motor.

Key words: *DC Motor, Mobile Applications.*

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Paper ID: ICCIASH-2022/405

LED BASED EMERGENCY LIGHT

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Abstract:

An Emergency Light Emitting Diode (LED) circuit is designed to turn on the light when there is no adequate lighting (or) if the power supply is cut –off. Earlier fluorosent lights where used to build such circuit. But the use of leds has proven to provide adequate lighting for a long period before draining the battery. LDR(light dependent resistor) act as a sensor by detecting the presence and absence of the light . This light is used mostly in villages because there is lack of electricity. The circuit of the automatic led light is designed and built with hardware.

Key words: *LED, LDR, fluorosent light.*

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Paper ID: ICCIASH-2022/332

SMART GADGET FOR WOMEN SAFETY

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Abstract:

In today's world women and men are sharing equal responsibilities to run the family. Each day a women has to go through numerous situations like abuse, assaults, rape and kidnap's. Because of these reasons women are not venturing out of their homes. The only question that arises in women's mind is when they are going to move freely on the streets, In the offices without worrying about their safety and security even at the odd hours. For this reason we came up with a wearable smart gadget which will help them to face their critical situations. With the aid of this device, women can remain outside at any time with no fear.

Key words:

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Paper ID: ICCIASH-2022/443

AUTOMATIC WIPERS FOR CARS

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Abstract:

Today car wipers are manual system the work on the principle of manual switching so here we propose an automatic wiper system that automatically switches on detecting rain and stop when stop. This project bring forward this system to automatic the wiper system having no need for manual intervention. For this purpose we use rain sensor along with microcontroller and driver IC to drive the wiper motor. This system uses rain sensor to detect rain, this signal is then processed by microcontroller to take the desired action. The rain sensor works on the principle of using water for completing its circuit.so when rain falls on its circuit gets completed and sends out a signal to the on its circuit gets completed and sends out a signal to the on its circuit gets completed and sends out a signal to the microcontroller. The microcontroller now process this data and drives the motor IC to perform requires action. The motor drives IC now drives a servo meter to simulate as a car wiper.

Key words: *Automobile, wiper, sensor, automated, control system, non-expensive.*

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Paper ID: ICCIASH-2022/325

Wireless power transmission through tesla coil

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Abstract:

Wireless power transfer is the one which transmit electrical energy from source to the load without using any physical medium like wires. In wireless power transfer technique if power has to be transmitted over a short distance then it should be magnetic field using inductive coupling between coils of wire. This inductive coupling is able to charge the phone, electric vehicles, for the high input voltage it is capable of glowing the tube lights. This project extended the knowledge of electronics and shed some light on the artistic nature of the tesla coil. The coil that was created was capable of producing the electricity which had the capacity of glowing the tube light. While there are lots of developments could be made, our project mainly aims at generating the electricity wirelessly. Tesla coil is a cheap way of generating high voltage at high frequency without complicated circuitry. A tesla coil was used in some spark gap transmitter to generate radio frequency and it helps to shoot lightning bolts.

Key words: *magnetic field, tesla coil, inductive coupling.*

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Paper ID: ICCIASH-2022/7A8

A STUDY ON EMOTIONAL INTELLIGENCE AMONG EMPLOYEE AND IT'S IMPACT ON EMPLOYEE PERFORMANCE AT COGNIZANT

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Abstract:

The study was conducted with the objective of finding out the emotional intelligence of employee in cognizant hyderabad. The primary data was collected through a structured questionnaire and the mode of communication was a personal interview. The respondents were directly interviewed and the data were collected.

The survey was designed with 120 samples from all the employees of cognizant Hyderabad The collected data was consolidated and interpreted using the statistical tools like reliability analysis, factor analysis, regression analysis, frequency analysis, and chi-square test, tables and graphs were used for the presentation purpose.

The analysis was followed by findings and suggestion which will help the management to implement some measures in order to increase the level of satisfaction of the employees working for the organisation.

Key words: *Emotional intelligence, emp employee performance, feelings, motivation and social skills.*

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Paper ID: ICCIASH-2022/788

A study on capital budgeting in reliance

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Abstract:

Capital Budgeting is the process of identifying, analyzing and selecting investment projects whose cash flows are expected beyond one year. It is also called as investment appraisal. It is the planning process used to determine whether organization's long term investments, major capital, or expenditures are worth pursuing. Capital Budgeting project s,i.e potential long-term investments, are expected to generate cash flows over several years. The decision to accept or reject a capital budgeting project depends on an analysis of the cash flows generated by the project and it s cost.

Management must allocate the form's limited resources between competing opportunities (projects), which is one of the main focuses of capital budgeting. Capital budgeting is also concerned with the setting of criteria about which project should receive investment funding to increase the value of the firm, and whether to finance that investment with equity or debt capital. Capital budgeting projects may include a wide variety of different types of investments.

This study is mainly focusing on the capital budgeting of the RELIANCE INDUSTRIES LIMITED company from 2014-2019 with various ratios like ARR, IRR, PAYBACK RATIO & PROFITABILITY INDEX.

Key words: *Capital Budgeting, expenditures investment.*

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Paper ID: ICCIASH-2022/545

General Image Recognition Technology Developed by Google Using Java

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Abstract:

Google's newest photo tool can identify what's in pictures better than a human. Artificial intelligence powered Google lens can identify types of flowers also. At Google I/O 2017 the company showed off its new Google Lens technology. This AI powered usage makes benefit of visual recognition to provide information about things and objects that smartphone's camera is pointed at such as identifying flower type or providing reviews. This technology aims to classify the images and gives proposal to Google lens as image classifier readily available mobile app in our smart phone. Lens uses more advanced deep learning routines, similar to other apps like Bixby vision which is available only in Samsung mobiles and image analysis toolset. Artificial neural networks are used to detect and identify objects, landmarks and to improve optical character recognition (OCR) accuracy.

Key words: *AI, I/O, OCR*

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Paper ID: ICCIASH-2022/780

A Study on Job Analysis of Heritage Food Private Limited

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Abstract:

Job Analysis forms the core of most human resource activities and can perform several functions. Researchers in strategic human resource management have established a relationship between human resource management (HRM) practices and organizational performance, but the relationship between HRM practices like Job Analysis – Job Performance, the intervening process recruitment, and connecting Job Analysis and Job Performance remains unexplored. This research attempts to assess the impact of Job Analysis on Job Design based on the opinions of the employees of the organization.

A survey questionnaire was designed and pre-tested. The study was carried out by taking a sample size of 100 employees of the conceptual framework of human resource practices about the recruitment process and its impact on employees' Job performance and subsequent Job analysis and Job design.

Results supported the HR-Performance conceptual model by showing the significant impact of Human Resource Management practices on a Job analysis and Job design. Here we deal with quantitative data collection technique. The researcher uses descriptive as well as explorative research design. Future research should observe the outcome of booming execution of HR practices and the survival of assured practices on employee's job excellence and reliability. Also, future studies by the researcher having keep interest in the association of these constructs can use this model to prepare new research or increase the generalize ability of this study in diverse sectors.

Key words: *Job Analysis, Job performance, Job design.*

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Paper ID: ICCIASH-2022/778

Study on Recruitment practices at Tech Mahindra

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Abstract:

Human resource is an important corporate asset and the overall performance of a company depends on the way it is put to use. To realize company objectives, it is essential to recruit people with requisite skills, qualifications, and experience. While doing so we need to keep the present and future requirements of the company in mind.

Successful recruitment methods include a thorough analysis of the job and the labor market conditions. Recruitment is almost central to any management process and failure in recruitment can create difficulties for any company including an adverse effect on its profitability and inappropriate levels of staffing or skills. Inadequate recruitment can lead to labor shortages or problems in management decision-making.

Recruitment is however not just a simple selection process but also requires management decision-making and extensive planning to employ the most suitable manpower. Competition among business organizations for recruiting the best potential has increased focus on innovation, and management decisions making and the selectors aim to recruit only the best candidates who would suit the corporate culture, ethics, and climate specific to the organization.

The process of recruitment does not however end with the application and selection of the right people but involves maintaining and retaining the employees chosen. Despite a well-drawn plan for recruitment and selection and involvement of a qualified management team recruitment processes followed by companies can face significant obstacles in implementation. Theories of HRM may provide insights on the best approaches to recruitment although companies will have to use their in-house management skills to apply generic theories within specific organizational contexts.

Key words: *recruitment, climate, ethics, skills, decision making .*

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Paper ID: ICCIASH-2022/782

A Study on Compensation Management at Aditya Birla

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Abstract:

Compensation management is crucial to retaining employees, keeping morale high, and enforcing a performance-based culture that's focused on achieving goals. You need configurable compensation management plans to help your company enforce budget guidelines across the enterprise. And, to extend compensation management globally, you need to accommodate multiple languages, currencies, and cultural requirements.

The Sum Total compensation management system, as part of the unified Sum Total Talent Development Suite, aligns equitable compensation with performance to retain star performers, reduce employee turnover, and engage and maintain a strong, productive workforce. By integrating your compensation management planning with performance management processes, our easy-to-use solution ensures that your employee increases are fair. Our intuitive compensation management software helps you accurately reward your top performers and equitably distribute consistent salary adjustments based on merit. And Sum Total understands how compensation management works best—and how it fits into an overall talent development effort.

Key words: *Compensation, Employee, Performance.*

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Paper ID: ICCIASH-2022/507

Study portal web application

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Abstract:

A study portal is an online gateway where students can get access into a school website, students access into a school/college website to access important program information.it is a tedious task for students to find the previous question papers and related materials for their academics. A study portal is where students don't require any ID or password to gain access to an education organisation's programs and other learning related materials. A student portal is essential in a digital first education environment. As Referenced above, it centralises all school-related announcements, information and resources. students can keep up with assignments, course material, grades and announcements from the same place, so it enables students to access all the academic information from college .one obvious reason for universities to adopt mobile portals is to improve student's productivity and satisfaction and this would help the students to be well prepared for the exams and achieve better scores.

Key words: *Student portal.*

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Paper ID: ICCIASH-2022/439

AIR POLLUTION MONITORING SYSTEM

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Abstract:

The level of pollution is increasing rapidly due to factors like industries, urbanization, increase in pollution, vehicle use which can affect human health. IOT based air pollution monitoring system is used for monitoring air quality over a web server using internet. The system consists of ARDUINO UNO which is based on ATmega326 microcontroller. The system uses MQ135 and MQ6 sensor for monitoring air quality as it detects most harmful gases and can measure their amount accurately. The system can be installed in the traffic signal LED on the roads so that when the air pollution level is raised above 390 PPM in that area, the LED blinks and the buzzer buzzes alerting the people about it. This can help in preventing the air pollution.

Key words: *IOT, MQ135.*

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Paper ID: ICCIASH-2022/565

COMMUNITY TUTORS: A New Methodology of implementation for finding nearby tutors

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Abstract:

Now a days we are facing many pandemic suitation in our daily life, these had brought a big loss to society, and one among them is students. Many students lost their studies and also many students forgot their basics too. Their minds become null due to lockdown effect during covid. Finally, covid had gradually decreasing all students showing a lot of interest in studies again, to regain their knowledge they are searching for good private tutors/ tuitions other than Schools & colleges. Many people facing difficulty to search a good to tutors or tuition center which is nearby. In this paper, we proposed 'community tutors' will help to find will help us to find tutors which is nearby and best. The fees and timings are also Scheduled in our approach. So, this thought or idea help for students to get good tutors.

Key words: *students tutors, tuition center.*

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Paper ID: ICCIASH-2022/558

EDUFEED: A New methodology to gather the quality of education institutions

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Abstract:

Generally, nowadays feedback in educational institutions is time taking process because the data which is gather through paper work which consumes more time and lack of interest to the students towards the feedback session. To make the task easier for every educational institution and many more interesting activities. In this paper we proposed a novel approach an android mobile application in which students give feedback on faculty and vice versa and they can check their results, attendance percentage. They can also have fun while playing quiz games which are included in this application. Teachers can use this application to analyze any student progress easily. Each and everyone have their own login ID, which is very secure. This applications architecture is very simple; therefore, it is very convenient to use and portable.

Key words: *Feedback, time consuming, quiz game, portable, simple architecture.*

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Paper ID: ICCIASH-2022/556

Truecaller Website – A new methodology for implementation of cyber security

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Abstract:

Nowadays we identify ourselves as a society which is conscious and aware of self-security. But in this modern world we cannot totally shield ourselves from the wrongdoers. Each day millions of people fall victim to cybercrime around the globe. Most of these cyber-attacks target a user through their phone details. The victim is attacked with a series of phone calls or SMS and is persuaded to provide money or bank details, these types of scams and frauds are high on rise, these cannot altogether be stopped but a person can protect themselves by blocking the calls. One such app that helps users take care of these scammers and fraudsters is Truecaller application. It is used worldwide to identify caller id and as it displays whether the user is verified or is a potential scammer. Thus, protects people to an extent from falling for the cyberattacks. However, Truecaller does not have a website which can increase protection by manifolds. Now we proposed a system that will allow people to access truecaller's caller id checking feature on the web, through our truecaller website. The website will make it easy to access the features such as spam call identification, call blocking and caller reporting among others. Ultimately increasing cyber security by manifolds.

Key words: *Cyber Attack, Truecaller, Caller id., Cyber Security.*

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Paper ID: ICCIASH-2022/561

STUDENT HUB: A novel approach for the implementation of Student Interaction

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Abstract:

As of now there is no desirable platform for students to interact effectively with students of their college (Even different) even Circulars or any information provided by faculty or the management do not reach students in a timely manner, and also there is a risk of spreading false information among the students. Interaction with juniors, seniors, and students from other colleges is essential for a student to improve his networking and communication skills. In this paper we proposed a new approach to interact with others using student hub application. The application that provides a better platform for the students to meet new people from the same college with similar interests and hobbies. Cultural and Student clubs can also be operated via these groups on the website/app. It is also very helpful for the fresher's to get to know more about their college from their seniors or even the alumni and learn from their experiences and mistakes. So, to address all of these issues, This application that allows college students to interact with one another via chatbot and create public/private groups .There's also an event management tab with an inbuilt calendar that lists all of the important events that will take place on campus. With the help of active news display board (Latest Updates) for the college, college students can see the circulars, examination timetables, holidays etc., posted by official authorities of the respective college.

Key words: *Chatbot, Active news display board, Public/private groups, Student hub.*

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Paper ID: ICCIASH-2022/564

CONNEKT -EASY SHOPPING A NOVEL APPROACH TO DONATE THE NEEDY

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Abstract:

As we are living in a digital world, we all are attracted to the internet, social media, youtube, e-commerce and many more. There is a huge competition all over the world in all the sectors, CONNEKT is a e-commerce website which is somewhat similar to other electronic commerce like amazon, flipkart, snapdeal, meesho and many more. The website connekt is designed in such a way that, any user can make there shopping easy and simple. But the only difference between the world of e-commerce and connekt is, the option called DONATE.

The button donate is all about orphanages and old age homes, the theme is to donate grocery, fashion, medical and required needs in bulk and at a cheaper price. The requests proposed for the needs will be verified and will be donated once a month to the requested orphanage or old age homes.

Key words:

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Paper ID: ICCIASH-2022/662

PHONE BOOK APPLICATION ON 'C' LANGUAGE

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Abstract:

Phonebook project is a very simple tool that helps you understand the basic concepts of creation, file extensions and data structure. This software teaches you how to add, view, edit or modify, receive and delete data from files.

The phonebook application works specifically for tracking people. The Phonebook application contains a set of basic functions for adding, searching, updating, and deleting new contacts. This mini-C phonebook design allows you to perform simple tasks in your phonebook, such as mobile phones. You can add text to the phonebook, find, edit, search, and delete. The concept of file management and data structure is often used in almost all functions in this project. It uses functions, file management, and data structure. Phone book application provides information on adding, viewing, modifying, receiving, and deleting data from/to files. Adding new entries, browsing them, editing and updating, searching for saved contacts, and deleting contacts in the phonebook is one of the most important services that become the main menu in the phonebook application. When you add anything to your phone book, you will be asked for personal information such as name, gender, first name, phone number, nationality, email address, and address. You can then edit, view, search, and delete this text.

Key words: *File extensions, Data structures, File management.*

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Paper ID: ICCIASH-2022/554

INSTA PAY: A NEW METHODOLOGY FOR INSTANT AND SECURE PAYMENT IN INSTAGRAM

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Abstract:

Now a days social media is becoming popular. People are using it for shopping widely. Instagram is a social media app where people use it for sharing photos, content, videos , to get entertained, to gain knowledge, to stay connected with your family, friends etc . Nowadays people started using Instagram to shop the products what they wish to have . Even though there are many products to buy in Instagram, there is no proper payment method . Due to this reason many of the consumers are not adopting Instagram as their online platform for shopping so to overcome this problem in this paper we propose an online payment option in Instagram which is used to pay instantly and securely while purchasing the products. This option may increase the craze for Instagram shopping. It helps the users to buy products without any limitations and time will reduce.

Key words: *Instagram, Payment ,Shopping* .

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Paper ID: ICCIASH-2022/661

GENUS BLOOD DONATION

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Abstract:

Blood is one of the important necessities of our life. In our project, we proposed a new and efficient way that we can deal when a problem arises. The donor will be asked to enter personal details when the website is opened by them. Once the website user enters the blood group he/she needed it will show a list of donors and their locations and send an alert message to the donor if they are available near the place. In the emergency time, if blood is needed we can check for blood donors nearby by using GPS if the first donor is unavailable, it will show the next donor in the queue. The donor will receive a message and will be updated on the website. As rare blood groups are not available all the time, blood banks and recipients find it difficult to track the right blood donor. Through this website, we can curb these situations. There are many blood donation websites, but our website not only maintains blood banks but also the list of donors, enrolled hospitals, and organizations that are enrolled and helps the recipient track and search for the right donor easily.

Key words: *Donor, Recipients, GPS.*

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Paper ID: ICCIASH-2022/551

TTS A NOVEL APPROACH TO TRAVEL THROUGH SHARING FOR ANY LOCATION

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Abstract:

Now a days to travel to any location we are using OLA and UBER. OLA and UBER are multinational transport companies across the world providing benefits of modern transportation. These days we can't depend on public transport for long distances due to many reasons. So people are preferring carpooling and other ways such as car rentals to travel long destinations which are not safe at some times and not affordable by all. Services of OLA and UBER are limited for only local distances that is to travel within the city. So to overcome this problem using OLA or UBER services as database. In this paper we are proposing an novel approach method of sharing transportation. Which helps the people to travel across the states providing benefits such as travelling to your destinations with all safety measures at low cost and shorter time.

Key words: *Database, Transportation, Ola, Uber.*

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Paper ID: ICCIASH-2022/560

AJIO WEBSCAN: THE WORLD OF SHOPPING THE SHOPPING IN YOUR HANDS

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Abstract:

Nowadays E-commerce is been widely used for shopping through many applications. One of the E-commerce application widely used by many of the people is Ajio. Ajio a fashion and lifestyle brand , is Reliance retail's digital commerce initiative and is the ultimate fashion destination for life styles that are handpicked , on trend and at prices that are the best you'll find anywhere. In this process there is no scanning of a dress ,Bar code ,QR code ,and also dresses location present in nearby stores .To avoid that in this paper we are proposing the update of scanning the dress with photo, barcode , QR code through an application AJIO And we can get the update of location of the dress in nearby stores.

Key words: *Ajio , webscan , fashion, shopping.*

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Paper ID: ICCIASH-2022/553

STUDENT: LOSS RECOVERY MANAGEMENT SYSTEM USING WEB APPLICATION

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Abstract:

Now-a-days if a student loss anything important to him or her they either have to go to the 'lost and found' of their institution or school or enquire their classmates. It is a time taken process or sometimes item will be lost. To avoid that in this paper we are proposing a new application to recover lost items with the help of this application which they can find their lost items. In this application the student can upload what they have lost and ask others if they have seen it or not. This can make it easier for everyone to find out their lost items and time will reduce. And it secures recovery is available for this society.

Key words: *Student, lost items,time,recovery.*

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A MODERN WAY TO APPROACH SECURE HEALTH MANAGEMENT SYSTEM

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Abstract:

In the busy schedules of this generation it became very difficult to get time to take care of their health. It is also a chaos for patients to visit the hospital for an appointment as they have to wait for a long time in the long queues. And also a chaos to allot slots for patients according to the time slots manually for doctors and staff. So to avoid all these Online Doctor Appointment Booking System is to provide an easy way to book a doctor appointment for patients or users according to their needs and choices. This is to make patients feel easy to get an appointment without any inconvenience, from anywhere and at anytime. Patients can choose their doctors according to their need without visiting the hospitals as per their preferred date and time. It also helps to reduce the missed appointment and patients presence for their appointment. Patients/users can manage their appointment with ease and they will be notified via SMS/E-mail. If there is any inconvenience patients can cancel their appointment, it reduces the time consumption for consulting the doctor which is a hazard during this pandemic. In this paper we are going to propose a doctor booking system through online for senior citizens and physically handicapped people.

Key words: *Appointment, senior citizens, physically handicapped.*

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Paper ID: ICCIASH-2022/562

ECO EARN-A NEW METHODOLOGY FOR INCREASING THE RATE OF RECYCLING OF WASTAGE

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Abstract:

Today, we produce about 400million tonnes of plastic every year. And only a 20% of plastic is been recycled. Remaining plastic is been thrown out at open and that causes a huge damage to the environment. In this paper we are proposing an initiative to reduce the damage caused to environment by plastic, more amount of plastic should be recycled. By using this website, the plastic collected by the people will be taken by us and will be hand over to the concerned team who recycles the plastic. To bring some extra interest upon this , the plastic stored by the people will be collected at their house itself and also they will get paid for that . So that every one gets participated in this.

Key words: *Collection , Recycling , Environment.*

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Paper ID: ICCIASH-2022/569

Indoor Mall Navigation: Finding the way through the maps

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Abstract:

Nowadays we are living in a huge world where people use navigation to find their destinations accurately. Shopping malls have became popular and common these days that people frequently visit them. Malls are complex buildings with large area and many floors making difficult to explore them and find our desired destination. For a situation, people are unable to find a certain store, restrooms, escalators, etc. They can't be looking around asking everyone about the location, The Existing systems like Google maps and other navigation applications just helps to find the location of the mall but not the Indoor Navigation. In this paper, we proposed a application named "INDOOR MALL NAVIGATION" which solves the problem, This application displays the Indoor map of the mall by which we can navigate through the mall. We can now Estimate our location in the mall through the map and navigate to the exact location in the mall.

Key words: *Indoor mall navigation, maps, navigation, location.*

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Paper ID: ICCIASH-2022/568

OLA - A NOVEL APPROACH FOR BOOKING CABS WITHOUT SPECIFYING THE LOCATION

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Abstract:

OLA is an operational-level agreement. Ola headquarters are in Bangalore. Ola was founded on 3 December 2010, in Mumbai by Bhavesh Agarwal Ola is the contract that defines how various groups within a company plan to deliver a service or sets of services ola is one of the top online taxi booking software companies around the world it helps customers to travel from one place to another place Ola had given many features to the customers. customers are satisfied It had a partnership with drivers and customers with a mobile technology platform to ensure safe drives it is a multi-sharing ride company our technology is improving our life taxi level services have been providing convenient and comfortable traveling in the city. In the present situation lot of people are traveling from one place to another place with the help of train, bus, flight, etc but here the problem is if the person is new to the city if he wanted to travel or visit one location. he is unable to find at which one is the best and how far the destination from its location.to avoid that in this paper a novel approach proposed is ola cab which travels to any location even if the person is new to the city or the app provides information about the location with cost, hotels, types of cabs, cost with affordable prices. then the person will be more beneficial in the view of time and cost.

Key words: *location, affordable.*

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Paper ID: ICCIASH-2022/650

An Overview of Text Copy from an Image

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Abstract:

It is a website which helps you find anything. Not only you can copy a text from an image, but also you can point your camera towards the thing you seem to discover. Not sure how to describe it in words? Use your camera or an image to search. Find a look you like see an outfit that's caught your eye? Or a chair that's perfect for your living room? Get inspired by similar clothes, furniture, and home decor—without having to type what you're looking for. Find a look you like. See an outfit that's caught your eye? Or a chair that's perfect for your living room? Get inspired by similar clothes, furniture, and home decor—without having to type what you're looking for. Step by step homework help, Stuck on a problem? Quickly find explainers, videos, and results from the web for math, history, chemistry, biology, physics, and more. Identify plants and animals. Find out what plant is in your friend's apartment, or what kind of dog you saw in the park. You just need to point your camera towards the thing you want to find, search or copy. Get answers where you need them by using copy text from an image.

Key words:

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Paper ID: ICCIASH-2022/570

Telegram: A new approach of making online transactions

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Abstract:

Now a days Telegram has become one of the most successful messaging services. It is successful by providing high privacy protection to its users and it includes features like channel-virtual rooms in which only admins can post and broadcast messages to its subscribers. It also include features like text messaging. Audio call and video chat, Create various channel based on User interest. Telegram found to detect spam messages and false advertisement. In this paper we proposed UPI payment methods for telegram as telegram pay in a safe and secure.

Key words: *UPI PAYMENTS.*

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Paper ID: ICCIASH-2022/634

SCIENTIFIC CALUCULATOR

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Abstract:

This paper presents the implementation of scientific calculator. i.e an complex calculator in software. This project meets software design goals and also highly motivate them to use competences learned in other subjects.

The learning process associated to the system design is complex enough as the student has to deal with parallel execution, signal delay and synchronization which is essential to strengthen the knowledge of software design, methology as project based learning is proposed. Moreover it is also used to reinforce cross subjects like software programming and MAH. This methodology creates course dynamics that is closer to a professional environment where they work with software and mathematics to resolve the software design problems.

The students design from zero to the functionality of the calculator. They are who make the decision about the math operation to resolve it, and also the operands format, to introduce a complex equation in a calculator which will increase the student intrinsic motivation. In addition, since the choices may have consequences on the reliability of calculator, students are encouraged to program through software to implement the selected mathematical algorithm. Although math and software design are two complicated subjects for students the perception that they get at the end of course is quite positive and uplifting.

Key words: *MAH, System design, parallel execution, signal delay, reliability, synchronization.*

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Paper ID: ICCIASH-2022/635

ANDROID BLOOD BANK FINDER

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Abstract:

In case of emergency needs the most important lives saver necessity is blood. Blood banks are the main providers of blood who receives blood from various donors, monitors the blood groups database and in case of emergencies makes the available to the hospital whenever needed. The major problem faced by the main blood providers and the need is the availability of donor at right time. We hereby took a step forward to build a system to create a network of people who can help each other in need. We propose an application where the blood banks can timely update the blood stock availability and donor and register themselves to donor and user can find blood availability nearby him/her. In the urgent time of a blood requirement, user can quickly check for blood banks, hospitals or donor as per requirement matching a particular or related blood group and reach out to them through the App.

Application tends to provide list of blood banks in user area. A large number of blood donors are attracted using an Android application. Since almost everyone carries a mobile phone with him, it ensures instant location tracking and communication. Registered user, who is willing to donate blood can pledge him/her to donate and will be able to access the service. In this application we are using the GPS technology that will be used to trace the way to the blood bank. The user will get the route to reach the desired location and he/she won't have to ask manually, therefore time can be saved.

Key words: *Android Studio, GPS, My SQL.*

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Paper ID: ICCIASH-2022/638

STUDENT MANAGEMENT SYSTEM

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Abstract:

Student management system is a smart and effective way to store records and maintain student fees details of the student. The main target of this project is to target the student information moderator of different colleges have different students with different courses. Simple student management system project is written in python. The project file contains a python script (student details.py). talking about the system, it contains basic functions which include add students, view students, search students and remove students. He/she can check the total student's record.

While adding the students, the user only has to enter his/her name then the system adds the record and displays to the user. and the user can view all these students lists from the view section. in this student management system, the user can also search for student's name in order to know whether the student's record exists in the system or not. this program shows student management of student's list.

Key words: *display, search, add, delete, edit student records.*

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Paper ID: ICCIASH-2022/656

THE SCIENCE OF DECISION MAKING

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Abstract:

THE SCIENCE OF DECISION MAKING in Reinforcement learning is an area of artificial intelligence; has proven to be an effective tool for AI system building and decision-making problems. Recently, researchers have been attracted to Reinforcement Learning (RL) strategies as an effective approach to effectively solve important problems in the field of manufacturing and project management. Reinforcement Learning is part of machine learning and includes algorithms and techniques to achieve optimal control of an agent in an environment providing a type of artificial intelligence. Reinforcement learning has been effective in solving some control system problems. Nowadays, it has an ever-increasing range of applications. The aim of this thesis is to briefly summarize recently proposed studies using reinforcement learning strategies for solving project planning problems as well as production planning problems. Based on the overview, we propose a direction for future research into approaches that may prove to be interesting in practice.

Key words: *Reinforcement learning RL, artificial intelligence AI, project planning problems, production planning problems.*

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Paper ID: ICCIASH-2022/649

Facial Emotions, Recognition and Detection-Using Python

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Abstract:

Facial Emotions, Recognition and Detection-Using Python, aims to incorporate facial expression recognition needs and applications of it. It is a technology which uses biometric marks to detect emotions in human faces and mental state. Where human expression is displayed by face and felt by brain is detected by the system. Emotions are classified into two categories: They are positive emotion and negative emotion. Facial emotions are Happy, sad, surprise, disgust, anger and fear. In existing system, the system is capable of analyzing the emotion and recogonises it.which includes public safety and health care. Proposed system helps in e-learning environment to identify emotions and classify learner involvement interest in the topic which helps the instructor to improve learner experience. Human beings exploit emotions comprehensively for conveying messages and their resolution. Emotion detection and face recognition can provide an interface between the individuals and technologies. The most successful applications of recognition analysis are recognition of faces. Many different techniques have been used to recognize the facial expressions and emotion detection handle varying poses. In this, we approach an efficient method to recognize the facial expressions to track face points and distances. This can automatically identify observer face movements and face expression in image. This can capture different aspects of emotion and facial expressions.

Key words: *Facial Expression, Facial emotions, Face recognition and tracking face.*

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Paper ID: ICCIASH-2022/655

SKELETON SCREEN LOADING ANIMATION

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Abstract:

A skeleton loading screen is the user interface (UI) that doesn't hold actual content; instead it animates the page's layout by showing its elements in shape similar to the actual content as it is loading and becoming ready. In this program [Skeleton Screen Loading Animation], on the web page, there is showing skeleton loader by its element sharp. This is a pure CSS program, so this skeleton screen doesn't load actual content but you can easily show your content by removing this skeleton layer when the content loaded completely. Skeleton screens don't really make pages load faster. Instead, they are designed to make it feel like pages are loading faster. Skeleton screen serve a similar function as spinners and other loading animations: a visual cue that the user must wait a bit for content to load. Loading is going to be a one second animation that is going to be a linear path means it's just going to transition linearly between the two values.

Key words: *skeleton loading screen, user interface (UI), web page, skeleton layer, content load, linear path and visual cue.*

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Paper ID: ICCIASH-2022/552

GOODREADS - Meet your next favourite book

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Abstract:

GOODREADS is a subsidiary application from Amazon and was introduced in the year 2006, which suggests books from all around the world using Amazon's vast catalogue of books. This application provides the reviews and ratings of books from the users all over the world. User can keep track of the books that he/she had read and books currently he is reading. People can make a list of books he/she wants to read. User can get suggestions of new books according to the books he had read by considering the genres one is interested in. But, we can't track our progress if we pause reading. To avoid that in this paper a novel approach is that one can precisely track their progress by uploading a picture of the page from the book and can mark it with a marking tool and save it. One can also buy the books/rent by redirecting to Amazon through a link. Using this application time and cost will reduce to the user.

Key words: *Books, E-Learning, Marking, Tracking.*

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Paper ID: ICCIASH-2022/640

Library Management System

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Abstract:

The purpose of Library Management System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Library Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping.

Thus, it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the clients.

Key words: *SQL servers, LAN, DBMS*

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Paper ID: ICCIASH-2022/563

Design Yourself: A new approach for implementation of new designs and ecommerce

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Abstract:

Now-a-days furniture is a common thing at home, office and etc... places. We buy cupboards, tables, bed and much more from a furniture shop or hire a craft man for their work. Can also choose their designs from online. But sometimes we need to compromise in some situations and time taken also.to avoid that in this paper a novel approach we propose i.e book the furniture as per user choice and send the design and through website. This methodology contains features where the user doesn't compromise on their needs. Here the is provided with a 3D space where the user can design his furniture and much more. The application which he did can be saved for later and continue his designing when he is free. Here the user can choose his dimensions and also different type of work piece, with different quality. This deal is between the user and company so there is no mediator in between. Which makes its price low.

Key words: *3D space, work piece, saved for later, dimensions.*

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Paper ID: ICCIASH-2022/647

AN OVER VIEW OF ANDROID TASK MONITORING SYSTEM TO HELP DAY TO DAY ACTIVITIES

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Abstract:

In our olden days we mark our daily activities in our calendar or we make a few notes. However, this doesn't help much for the people who have to do multitasking every day. In such times, it is practically impossible to keep a track of all the activities/ appointments. Many of the times, it happens that we may miss an important task; for example: taking medicines, attending a meeting, returning library books, paying the bills etc. And this cycle can keep going on endlessly. The human mind is not designed to multitask, it needs to work things out one at a time. This requires us to maintain our focus on the task at hand, and as a result other important things take a backstage and some may even slip out of our minds. In order to address this problem, we have come up with a Daily Task Alerting System. This system is designed to alert the user of all the important tasks that are due on a specific day/every week. So now, the user can carry on with his/her life without any worries. The developed project is a tasks reminder app. This application helps you to make sure that the tasks you set actually get done, with the help of its AI assistant. It monitors your android phone, pings you at times you're likely to see a notification and makes sure you don't forget about items on your to-do list. This app brings you not only your tasks reminder but also a free productivity assistant that engages you throughout the day to create a more productive version of yourself. The important advantage of our device is reminded indoor responsibilities and outside responsibilities.

Key words: *Location-Based Services, GPS, Wi-Fi, Location, Data Base, Reminder, Indoor, Outdoor.*

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Paper ID: ICCIASH-2022/644

AN OVERVIEW OF MINI WIND TURBINE

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Abstract:

Small wind turbines are also known as micro wind turbines, are used to generate electricity, as opposed to large scale wind turbines. They use a generator and use a tail fin to point the wind whereas larger turbines have geared power-trains that are actively pointed into the wind. These small wind turbines typically produce between 500W and 10kW of power. Wind turbine works on a basic principle, where instead of using electrical energy to produce wind (like a fan), we use wind energy to produce electricity with the help of a Turbine (Wind Turbine). Wind blows at different speed and velocity at different locations, so the large-scale wind generators are placed at specific areas so that the electricity can be produced efficiently. According to different researches, wind energy is feasible and economically convenient source of energy. There are several drawbacks, however. Due to the unreliable nature of wind the large-scale Wind generation are open to doubt. There are some common drawbacks, Wind turbines are not always active, if wind speeds get higher than about 55mph they get shut down. They can also be a threat to the flying wildlife like birds and bats. By this we have tried to make a working model of a mini–Wind Turbine to produce Electricity efficiently. As a result, mini–Wind Turbines can be used as a small-scale wind generation unit to produce electricity in different areas reliably.

Key words: *Wind energy, turbines, electricity, power generation, eco- friendly.*

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Paper ID: ICCIASH-2022/648

Introducing Captcha to a Website

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Abstract:

In digital technological advancement, websites are developed and set live to render service and information for users. To protect web resources from computerized programs, which create fake web login registration, Spam mails, fallacious comments in blogs, and forged online polls, CAPTCHAs are designed. For the effective functioning and security of web resources, CAPTCHAs are set for testing along with user login in Web Pages. Users find text CAPTCHAs since it is simple and easy to design and implement. This paper introduces a method for creating CAPTCHAs using regional languages which are user-friendly. Without any difficulties, regional users can access location-based websites. Scrapers and automated bots may find difficulty in cracking this code. The websites can be more protected from intruders if the linguistic CAPTCHA is used. CAPTCHA generation and implementation process in the website, based on their region, is executed in this paper. This approach and technique provide a reliable platform for websites with high-level security and service by preventing various attacks. Analysis of various CAPTCHA techniques compared with the proposed method is done and interpretations are elucidated.

Key words: *Spams, Webpages.*

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Paper ID: ICCIASH-2022/643

LAZY NOTES

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Abstract:

Lazy notes is a name of our website that provides class or group contents including class notes , running notes, scanned PDFs, also sources for gaining a deep knowledge for a particular topic in any subject. The motto of our website is to provide content to the students for their benefit. The website consists of class students, faculties. The CRs are responsible for the smoother flow of our website without any glitches or problems. The website is mainly for the students who have not been able to attend the classes and were not able to go through the notes and they will get a source where they could easily access to the website and can refer the notes without any issues. The website will be available for all the students of our class and they can easily access through the website. The notes or required material can be shared by the team leader or the faculty by which everyone can access the shared content .any problems occurred by any student can be reported to the class CRs and they will be looking after it. The smooth running of the website will definitely help each and every student without any trouble.

Key words: *contents, links, resources, share, access, site, education.*

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Paper ID: ICCIASH-2022/651

Anti sleep Alarm Glasses for Driver

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Abstract:

In recent years, tired driver detection is probably the most important traffic Accident prevention technology in the world. The purpose of this research was to build an intelligent warning technology for building intelligent vehicles that can automatically prevent drivers from being spoiled by drowsiness. However, drowsiness is a natural phenomenon of the human body due to various factors. Therefore, robust warning systems must be developed to avoid accident causes. In this proposed paper, a drowsy driver warning system developed using such techniques as video stream processing (VSP) is analysed by eye aspect ratio (EAR) and the concept of eye blink by Euclidean distance. Deal with. Face detection algorithms are also used as a convenient method for eye detected. When driver fatigue is detected, the loT module will issue an alert him message with the impact of the crash and location information, with the help of speaking voice through the Raspberry Pi monitoring system.

Key words: *Accident prevention, drowsiness, video stream processing (VSP), eye aspect ratio (EAR), Euclidean distance, Face detection algorithms and Raspberry Pi monitoring system.*

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Paper ID: ICCIASH-2022/555

LOCALTION- A novel approach to Find Local Shops Near You in A Jiffy

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Abstract:

Nowadays, there are plenty local businesses. But these local businesses often do not get enough exposure and are gone unnoticed. On the other hand, a consumer also goes by not realising that there is a local business that might cater to their needs. This application intends to change this. A consumer would be able to see local businesses in "Google Maps." In Google Maps along with the address of the local business, the consumer can also know the other details of the business such as, the contact details of the retailer or the employer, the timings of the local business. But we cannot see what products are available or not that particular moment. To avoid that a new approach to identify the local business near by location along with 'Searching Product' has been introduced. This can be a time-saver for consumers as they do not have to go to a particular shop if what they need isn't available. Using our website, the consumer can search whether what they need is available at that particular moment. Our website also serves as a major help to small-scale businesspersons because our website displays their business in the map. It gives them the exposure that they need and it would definitely help their business grow. There will be two ways of logging in to our website. One would be as a consumer and the other as a businessperson. Basic details would be needed to fill. The retailer would be reminded to update the services available or the products available on a timely basis. Through this project we not only ensure that the consumer is aware of local small-scale businesses but also help in the growth of these businesses.

Key words: *Maps, Local Businesses, Search products.*

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Paper ID: ICCIASH-2022/624

WEBSITE FOR HANDLOOM INDUSTRIES

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Abstract:

Electronic commerce or ecommerce is a term for any type of business, or commercial transaction, that involves the transfer of information across the Internet. It covers a range of different types of businesses, business exchanges trading goods and services between corporations. It is currently one of the most important aspects of the Internet to emerge. In present online trading business we have all our requirements from fashion to beauty, electronics to groceries, and many more being fulfilled. From the array of delicacies to the interesting customs tradition and festivals we celebrate, every state has it's own cultural identity and an essential part of that is the attire of the people. In this project we are proposing a new category which includes handloom a traditional method of trading. With this we can introduce Indian handloom industries on global markets.

Key words: *E-Commerce*, *trading*, *HTML*

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Paper ID: ICCIASH-2022/567

TSRTC LIVE TRACKING -A NEW ERA IN PUBLIC TRANSPORT

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Abstract:

Nowadays people was struggling to find buses near their respective places. Due to this situation, they don't no the bus arrivals timings so they are wasting their time at bus stops. People can find the buses between the two locations by using this application. We proposed "LIVE TRACKING" Buses like Garuda, Express, Super Luxury, etc. At the Booking place and selected destination, you can plan your trip by advance booking. This application has another future it can track the bus with the bus service number. The service number was provided in the reservation ticket. And it helps the advance information about the bus timings and the routes of the bus. TSRTC are available so that the people who are planning their trips they can save their time by unwanted waiting at bus stops. It helps that the buses timings and when they arrive to the LOCATION of the passenger. So The Bus Tracking Application was very helpful to the people. This Application was help to improve the experience of the TSRTC buses. It provides good communication between the bus and the passenger. Due to this application, you can plan your trip easily with your respective timings.

Key words: *Live Tracking, Location, TSRTC.*

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Paper ID: ICCIASH-2022/659

SHOPARISION - GET YOUR BEST DEAL

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Abstract:

If we want to buy a product we go for the reference from different websites, shopping sites and near by sellers but we experience vary in range, durability and quality of product. To avoid the confusion about the best deal we are here to GET YOU A BEST DEAL.

A comparison shopping website, sometimes called a price comparison website, price analysis tool, comparison shopping agent, aggregator or comparison shopping engine, is a vertical search engine that shoppers use to filter and compare products based on price, features, reviews and other criteria. Most comparison shopping sites aggregate product listings from many different retailers but do not directly sell products themselves, instead earning money from affiliate marketing agreements. Hence, E-commerce accounted for an 18.2 percent share of total business turnover in the United Kingdom in 2012. Online sales already account for 13% of the total UK economy, and it's expected to increase to 15% by 2017. There is a huge contribution of comparable shopping websites in the expansion of the current E- commerce industry.

Key words: *Comparison Shopping engine , Shopping comparison.*

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Paper ID: ICCIASH-2022/617

Over speed Alert System by GPS Speedometer Tracking

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Abstract:

You are no doubt already familiar with a speedometer gauge, which measures and displays the speed of a boat or vehicle. The device comes standard in motor vehicles and is also frequently seen in the majority of vehicles, boats, and off-road vehicles traveling on roads, waterways, or trails where speed would be vital as it pertains to operation and safety. Speedometers tend to fall into one of two categories: traditional or GPS. Both types of speedometers measure speed, but it's how that speed is measured that results in two different degrees of accuracy for the end user that ultimately is the main difference between the two technologies.

Key words: *GPS, speedometer.*

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Paper ID: ICCIASH-2022/653

Camera Motion Sensor System

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Abstract:

A motion sensor project that detects motion and sound and alarm accordingly. This software system it's designed in C move that constantly monitors and environment using a camera and sounds an alarm and even records images of the motion taking place as soon as it takes place. A motion sensor uses one or multiple technologies to detect movement in an area. When a sensor detects motion it sends a signal to your security system's control panel, which connects to your monitoring center. This alerts you and the monitoring center to a potential threat in your home. Motion sensors are important because they provide protection and safety for people and belongings from family neighborhoods restricted military areas with the following primary benefits keep homes and families safe from instruction instructions. Prevent burglary and theft on commercial properties.

Key words: *Motion sensor, multiple technologies, monitoring center and commercial properties.*

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Paper ID: ICCIASH-2022/641

HOUSE PRICE PREDICTION

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Abstract:

House Price Prediction (HPP) is commonly used to estimate the changes in housing price. Since housing price is strongly correlated to other factors such as location, area, population, it requires other information apart from HPP to predict individual housing price. There has been a substantial number of projects adopting traditional machine learning approaches to predict housing prices accurately, but they rarely concern about the performance of individual models and neglect the less popular yet complex models. As a result, to explore various impacts of features on prediction methods, this paper will apply both traditional and advanced machine learning approaches to investigate the difference among several advanced models. This paper will also comprehensively validate multiple techniques in model implementation on regression and provide an optimistic result for housing price prediction.

Key words: *Traditional Machine Learning, Advanced Machine Learning, Regression, Population, House Price Prediction.*

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Paper ID: ICCIASH-2022/559

UNI SPACE: A NOVEL APPROACH FOR THE INTEGRATION OF STUDENT DBMS AND E-COMMERCE

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Abstract:

UNI SPACE is a combination of student database management, e-commerce and navigation systems. It gives the user amalgamated benefits of the mentioned services. The student DBMS enables the users to track their academic performances, it also provides the user with newsletters of technical advancements and check their results. Since every user has distinctive requirements we also provide several resources to purchase through our website which further generate reward points on every purchase which benefits the user in further purchases. These points can be further redeemed by the user in the future also while booking hotels, flights and highlighting the users desired locations. We highly prioritize the user experience and value their feedbacks as we believe interaction between the user and the developer is the key to potential growth.

Key words:

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Paper ID: ICCIASH-2022/664

Fast Cart

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Abstract:

E-Commerce is process of doing the best business through computer networks. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the products. Our vision is to delivery any product within hours. Here our partners will register there store and they will update there products in our website. It bridges the gap between store and consumers. It is a process were a customer will search for a store and filter with the available products. Online and delivery system is depended on a website and it works based on the location of the customer. Fast cart is an website for ordering and delivery. Delivery boy will pick up orders from store and deliver it to customers within hour.

Key words: *products, delivery, E-commerce.*

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Paper ID: ICCIASH-2022/621

Exam Monitoring System Using CCTV Camera

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Abstract:

This online examination system is a software solution that enables any institution or sector to plan, carry out, and manage exams through an online setting. The Internet, an intranet, or a local area network are all viable options. The processing of results is delayed during manual examination systems, filing is problematic, and filtering records is challenging. The likelihood of records being lost is great, and finding records is challenging. The system requires a great deal of time and effort to maintain, which is also quite tough. One of the essential components of an online educational system is the test. It saves a lot of material resources, is quick enough, and is effective. On the basis of the web, a testing system is created. This essay explains the system's basic principles, highlights its primary operations, examines the mechanism for automatically creating test papers, and talks about the system's security.

A firm or a teaching institution can create and organize exams on an internet platform using an online examination system, which is a software solution. This is possible through LAN, Intranet, and/or Internet contexts. The goal of this study is to develop an application for an online testing system that makes use of network labs that are accessible to all colleges. The programme significantly cuts down on the time needed to conduct the test and distribute the findings. The test will include objective questions, and the technology will give professors a simple graphical user interface via which they may ask questions.

Key words: *Online Examination System, Auto-grading, Web-based, CCTV*

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Paper ID: ICCIASH-2022/619

HOME AUTOMATION USING ARDUINO AND BLUETOOTH

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Abstract:

In today's era, technology can enhance human life. Technology is evolving decade by decade. Automation was science fiction earlier but not today. By combining the latest technology with home, we can build an awesome home. With the Arduino uno and Windows 10, we can build a home automation system that is capable of operating home devices automatically.

Now considering the room scenario, an Arduino UNO will control devices and read the data. The figure "Room Architecture" depicts how the Arduino UNO will connect with the devices and sensors. Room have multiple controllable devices (i.e. Light(s), Fan, Wall Socket(s), etc. Using this setup, you can turn on any device into a smart device that can be controlled from your smart phone. While we used a single relay in this example, you can easily expand your system by using a multi-channel relay module. To keep things simple, we use a Bluetooth app that allows us to control the home appliances.

Key words: *ARDUINO UNO, BLUETOOTH MODULE , BREAD BOARD,ROOM ARCHITECTURE.*

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Paper ID: ICCIASH-2022/633

ATM WITH BIO-METRIC

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Abstract:

ATM is a machine permitting a bank's customers to make cash withdrawals and check their account balances at any time and without the need for a human teller. Many ATMs also allow people to deposit cashor cheques, transfer money between their bank accounts or even buy postage stamps. Automated teller machines (ATMs) are a part of most of our lives. The major appeal of these machines is convenience The ATM environment is changing and that change has serious ramifications for the security of ATMs. Vulnerability is applied to a weakness in a system which allows an attacker to violate the integrity of that system. Cardless cash Biometric ATM System enables cash withdrawal at an ATM without using the existing magnetic swipe cards which makes it possible to quickly authorize a person to withdraw money.

Biometric Automatic Teller Machine (BioATMs)seems to be an effective way of preventing card usage and is also a channel to expand our reach to rural and illiterate masses. These Bio ATMs can talk to the people in their native languages and provides high security in authentication which prevents service users from unauthorized access. In this model, the user is required to authenticate himself with a two phase security solution by first providing an individual's biometric identification (Thumb/Fingerprint/Iris etc.), followed by Personal Identification Number (PIN), and select the bank branch from the displayed list if applicable. This system also provides an alternative approach to access cash via an OTP (One Time Password) generation on user's cellphone in case of loss of PIN. It saves time, cost and efforts compared with existing card based ATMs thereby eliminating environmental problem of disposing plastic waste. It also reduces the user's dependency on bank officials in sending money to distant relatives at home and abroad.

Key words: *ATM, Pin, Fingerprint, Security, Biometric.*

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Paper ID: ICCIASH-2022/637

Online Bus Ticket Reservation System

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Abstract:

Online bus ticket reservation system is a web based online application that works within a centralized network online bus ticket reservation system is facility which is used to reserve seats, cancellation of reservation. OBTS is built for managing and computerizing the traditional database ticket booking and tracking bus and travel. It maintains all customer details bus details In order to achieve the design, Imo Transport Company (ITC) was chosen as a case study because of its strategic importance to Imo State. Structured Systems Analysis and Design Methodology (SSADM) was adopted. In addition, PHP (Hypertext Pre processor) language was used for the front- end of the software while the back end was designed using MySQL.

The software achieved is capable of improving the customer hand and relationship management in ITC operations. It is recommended that despite the present functionality of the designed software, an additional functionality such as the use of E-mail to send tickets and notifications to the customer and an online payment using credit cards / debit cards should be implemented into the system. Furthermore, other operations carried by ITC such as the courier services should also be integrated in order to enhance the system.

Key words: *ITC, SSADM, PHP, Mysql.*

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Paper ID: ICCIASH-2022/639

CREDIT CARD FRAUD DETECTION SYSTEM

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Abstract:

The project is mainly focused on credit card fraud detection in the real world. The Phenomenal growth in the number of credit card transactions has recently led to a Considerable rise in fraudulent activities. The purpose is to obtain goods without paying or to the Obtain unauthorized funds from an account. Implementation of efficient fraud detection Systems has become imperative for all credit card issuing banks to minimize their losses. One Of the most crucial challenges in making the business is that neither the card nor the Cardholder needs to be present when the purchase is being made. This makes it impossible for The merchant to verify whether the customer making a purchase is an authentic cardholder or Not. With the proposed scheme, using a random forest algorithm the accuracy of detecting the Fraud can be improved. Classification process of random forest algorithm to analyze dataset And user current dataset. Finally, optimize the accuracy of the result data.

The performance of the techniques is evaluated based on accuracy, sensitivity, and specificity, and precision. Then processing of some of the attributes provided identifies the fraud detection and provides The graphical model visualization. The performance of the techniques is evaluated based on Accuracy, sensitivity, specificity, and precision.

Key words: *cardholder, funds, credit card.*

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Paper ID: ICCIASH-2022/654

ALCOHOL DETECTION WITH VEHICLE CONTROLLING

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Abstract:

ALCOHOL DETECTION WITH VEHICLE CONTROLLING provides a unique method to curb drunken people. The system has an alcohol sensor embedded on the steering of the car. Whenever the driver starts ignition, the sensor measures the content of the alcohol in his breath and automatically switches off the car if he is drunken. In this system the sensor delivers a current with a linear relationship to the alcohol molecules from zero to very high concentration. The output of the sensor is fed to the pic microcontroller for comparison. If the measured value reaches the threshold, relay cut off automatically and the buzzer produces sound. ALCOHOL DETECTION WITH VEHICLE CONTROLLING is aimed at making vehicle driving safer than before. The main purpose behind this project is "Drunken driving detection". Now days, many accidents are happening because of the alcohol consumption of the driver or the person who is driving the vehicle. Thus drunk driving is a major reason of accidents in almost all countries all over the world. We have propose the detection of alcohol using alcohol detector connected to Printed circuit board (PCB) such that when the level of alcohol crosses a permissible limit, the vehicle ignition system will turn off. Alcohol Detector in Car project is designed for the safety of the people seating inside the car. Alcohol breath analyzer project should be fitted/installed inside the vehicle.

Key words: *concentration, pic microcontroller, Alcohol Detector, Alcohol breathe analyzer and Printed circuit board.*

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Paper ID: ICCIASH-2022/652

ARS-Automobile Rental Service

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Abstract:

ARS-Automobile Rental Service is designed so as to be used by Automobile Rental company specializing in renting both Bikes and cars to customers. It is an online system through which customers can view available cars, bikes register view profile and book bikes and cars. They could also make payment online. The rental service had categorized into economy, premium etc. Based on the type of vehicle required by the customer, the user shall be able to make bookings. The proposed system is an online system that is fully integrated. Customers are aided by this automated method, which allows them to fill in the specifics according to their needs. It contains information on the sort of vehicle they want to hire as well as the location. The project is to convert the manual vehicle rental procedure into a digital method. so, that client don't have to waste the time in visiting.

Key words: *Rental Service, economy, premium, manual rental and digital method.*

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Paper ID: ICCIASH-2022/620

Tour planning system-A Complete Guide for Tourist

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Abstract:

The complete guide for tourists is a web-based intelligent system for facilitating the travel planning process, which is implemented as a mashup of several travel-related services APIs. Unlike other similar applications which essentially work as calendaring programs, is unique in that it integrates the information and functions needed for travel planning in their entirety within a single piece of software providing such features as checking hotel availability and calculating optimum routes between user -specified locations at various travel destinations, and offering suggestions for sightseeing, all the while making sure to take into consideration the user-specified needs for particular meeting days, times and locations and personal preferences for dining, relaxation and sleep. Furthermore, these services are not limited to a particular city but are offered for any city around the world for which such information exists within the databases of the services included in the mashup.

Key words: *mashup, API (Application Programming Interface).*

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Paper ID: ICCIASH-2022/622

Drive through AI (Artificial Intelligence)

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Abstract:

In this project a simple self-driving car is designed and implemented. The concept of the project was inspired by the recent surge in automated car industry. The designed car was capable of detecting the road signals and taking the right turn accordingly. To implement the whole system, the body of the car was connected to the analyser computer via WIFI where the computer can analyse the feed video frame by frame. In the real car the analyser computer can be simple mounted on board. The whole system was capable of taking right decision with excellence accuracy.

Key words: *Auto pilot, self driving.*

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Paper ID: ICCIASH-2022/663

WEB APPLICATION FOR RESUME BUILDING

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Abstract:

No one can ever underestimate that how important it is to have a good resume. First impressions matter. A well formatted and beautifully designed resume changes how employers perceive you, dramatically increasing your employment opportunities. This is the only chance to capture a potential employer's attention. It takes a lot of time to make resumes if we want to prepare it from the scratch and we often need to export the document and then upload them on websites. By doing this project, we enable the user to use the application for making a eye-catching resume. A resume is a document used by individuals to present their background and skill sets. A document that has a brief summary or listing about relevant education and experience. The resume or CV is typically the first item that a potential user encounters regarding the job seeker and is mostly used for screening an applicant's which is often followed by an interview, while seeking employment in the job search process and well-designed resume. The project is made by using HTML and CSS for developing the front-end and Java-Script for the interface. We enable the option of just entering the person details and uploading the profile picture to be displayed and automatically a resume will be generated in the following page.

It is highly effective a time saving and a number of resumes can be generated over a short time. Job portal advertisement may direct applicants to email his resume to their company or visit their website and submit a resume in electronic format. Online jobs search through most popular websites is beneficial as they have served for so many years as a prominent search tool for job seekers and employers alike. In spite of their valuable utility in linking employers with the potential employees, the searching process and technology used by job searching websites have not kept pace with the rapid changes in computing capability and machine intelligence. This application allows us to share and print our application as well.

Key words: *Resume, application, CSS.*

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Paper ID: ICCIASH-2022/636

MERN BLOG APPLICATION

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Abstract:

In this fast paced growing social media applications like Instagram, Facebook and other communication based applications. But as a campus based network many of the students wouldn't be able to be in contact with each other without a proper domain which is limited to the campus students so that no other outsider can intervene. Through this MERN application students will be able to post their blogs/experiences or ask questions about the campus as a freshman. The data is stored in a MongoDB cluster which is a database. The authentication will take place with the help of .JSON ticket/token. The database and the website will be connected through Express and Axios. The website designing will be made possible through NodeJS and ReactJS. These both send API signals which will be made possible through the Node and react script .User will be able to login and post their blogs on the websites and even store it on the websites.

Key words: *API, Database, .JSON, MongoDB, cluster, scripts, blogs, AXIOS.*

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Paper ID: ICCIASH-2022/435

AUTOMATIC NIGHT LIGHTINING SYSTEM BY USING SENSOR

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Abstract:

Automatic night lighting system is a simple yet powerful concept .It automatically switches on when there is no light this is done by a sensor called light dependent resistor (LDR)it senses the light. It automatically switch of light whenever the sun light comes. LDR during the time of day resistance is low, therefore voltage at inverting is (IF PIN 2)is higher than voltage at the non-inverting is (PIN3) hence ,the output at the (PIN 6).is low the transistor goes of which means LED will not glow.

Key words:

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Paper ID: ICCIASH-2022/657

Infopreneur Website

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Abstract:

A website is a collection of interlinked web pages. Websites basically provide information, bring awareness, increase sales related to a particular category. There are different types of websites. Infopreneur website is being used here. Infopreneur websites provide information on a particular topic or a variety of topics which also serves as a sales portal based on the information given. It is a hybrid of informational website and e-commerce website. They are created to give the customer a reliable resource for the further requirements of an active customers, members and so on. Creating content could benefit the customer and also the company. By introducing "keywords" and by updating the website regularly, Search Engine Optimization (SEO) could optimize the website overall. The infopreneur website that is being created here is about an online book store where books can be purchased.

Key words: *Infopreneur website, SEO.*

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Paper ID: ICCIASH-2022/433

AUTOMATIC RAILWAY GATE CONTROL SYSTEM USING IRSENSOR

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Abstract:

The objective of this project is to provide an automatic railway gate at a level crossing replacing the gates operated by the gatekeeper. In present system once the train leaves the station the gatekeeper receive the information and closes the gate. But if the train is late due to certain reasons the gate remains closed for a long time which leads to traffic. Automatic railway gate control system is a microcontroller based arrangement and it is designed by using IR sensors, L293D motor driver IC, motors etc. By employing automatic railway gate control at the level crossing the train arrival is detected by IR sensors placed near the gate. It helps in opening and closing the railway gate by detecting the arrival and departure of train

Key words: *microcontroller, L293D motor driver etc.*

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Paper ID: ICCIASH-2022/440

PORTABLE DC COOLER

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Abstract:

Air cooler is a device that cools the air using evaporation of water. The ordinary table fan gives small amount of cool air in the room. Now a days electrical device consumes more electricity and costly. They are not affordable by all. We can make a mini portable DC Cooler using given apparatus like DC motor: 9v Battery and connecting wires. Thus, it IS a great Importance m widely distributed villages with little or no rural electrification and also m the urban areas where power storage is often in practice. Which is portable small in size & easy to use and also it saves electricity' power.

Key words: *DC motor: 9v Battery: DC switch.*

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Paper ID: ICCIASH-2022/658

DONOR BUDDY

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Abstract:

Food Donation is a mission to end hunger and no wasting of food to make a hungry-free world. According to the latest survey, 1.3 billion tons of food is thrown as waste every year. Additionally, one-third of the food consumed is stated as leftovers. The focus of this project is to reduce the amount of food wasted and being used to the needy people.

Therefore, an android-based application is developed by which a person can donate food with their capacity and at the same time the application lets the organization to put their request on their requirements. The basic prerequisite to use this application is a smartphone.

Presently people who wish to donate items need to personally visit the organizations and donate foods or other items. Otherwise, they have to search for some websites to donate surplus food. In general, the large manufacturers, wholesalers, and organized community provide food items to food banks or waste tons of foods daily. They have to search for some organization that needs food. This process involves a lot of time to contact the organization to check the requirement. If they do not need the food, then the person has to contact another organization. This makes the donor tired and exhausted.

The application for food donation acts as an interface between the users who are looking for a channel to give the excess food without wasting it. It enables us to donate the excess food by notifying nearby users with the details of the food that is available.

Key words: *no wasting food, end hunger, hungry free world.*

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Paper ID: ICCIASH-2022/645

NTERNET BANKING FOR CREDIT CARD USING QR CODE

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Abstract:

A credit card is a small plastic card issued to users as a system of payment. It allows its holder to buy goods and services based on the holder's promise to pay for these goods and services. The issuer of the card creates a revolving account and grants a line of credit to the consumer (or the user) from which the user can borrow money for payment to a merchant or as a cash advance to the user.

Using QR invoices will make it easier to pay invoices. Instead of laboriously typing in account and reference details when e-banking, QR codes already contain these details. For Online credit card payments through scan to pay option the customer has to enter the credit card number to generate QR code and scan the QR code displayed on the web page to complete the payment. Online banking, also known as internet banking, web banking or home banking, is an electronic payment system that enables customers of a bank or other financial institution to conduct a range of financial transactions through the financial institution's website. Internet banking provides personal and corporate banking services offering features such as viewing account balances, obtaining statements, checking recent transactions, transferring money between accounts, and making payments.

Key words: *online banking, credit card, QR code.*

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Paper ID: ICCIASH-2022/790

A Comparative analysis of performance of Mutual funds between private and public sector in Axis bank

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Abstract:

A mutual fund is a scheme in which several people invest their money for a common financial cause. The collected money invests in the capital market and the money, which they earned, is divided based on the number of units, which they hold.

The mutual fund industry started in India in a small way with the UTl Act creating what was effectively a small savings division within the RBI. Over a period of 25 years this grew fairly successfully and gave investors a good return, and therefore in 1989, as the next logical step, public sector banks and financial institutions were allowed to float mutual funds and their success emboldened the government to allow the private sector to foray into this area.

The advantages of mutual fund are professional management, diversification, economies of scale, simplicity, and liquidity. The disadvantages of mutual fund are high costs, over-diversification, possible tax consequences, and the inability of management to guarantee a superior return.

The biggest problems with mutual funds are their costs and fees it include Purchase fee, Redemption fee, Exchange fee, Management fee, Account fee & Transaction Costs. There are some loads which add to the cost of mutual fund. Load is a type of commission depending on the type of funds.

Key words:

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Paper ID: ICCIASH-2022/795

A Study on Capital Market

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Abstract:

Indian capital markets have witnessed radical transformation during the short period of a decade. There is hardly any country in the world which has witnessed such massive changes in its capital market during such a short period. The main objective of the study what exactly are qualities market all about and to find out trading mechanism and procedures used in settlement of trades.

To study about the recognized capital exchanges and their workings. The study is based on both primary and secondary data and examines the trading mechanism in capital market. The results are drawn mainly from secondary data collected. Largely depending on secondary data ie.., gather the data from various books and websites.. This study is an attempt to gain bird's eye view on functioning of equities market. Analysis part of the study is restricted to trends in manufacturing sector with respect to up and downs in stock indices.

The Indian financial market has been largely depending upon foreign investments. Movement in the Sensex resulting positively fluctuate the share prices of many companies. Sensex has fallen historically in middle of the January 2019 which is resulting from the fluctuations in the world financial market. The Indian financial sector has been largely depending upon Foreign Investments. I conclude by observing that as India got integrated with world economy.

Key words:

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Paper ID: ICCIASH-2022/646

PORTFOLIO PERSONAL WEBSITE FOR COLLEGE STUDENTS

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Abstract:

A portfolio website is a unique way to showcase your work and let others know about yourself. It's like an evergreen platform for your project, case studies and information about you. In addition, it's one of the best ways to express your personality, experience and capabilities. Having your own websites means customers are always able to find you and if interested, reach out for you if you don't have you an online presence now a days, you are behind the time. A portfolio is a great way for photographers, designers, developers and wide range of artists to present their work online it's let you reflect your identity through your work-photos, graphics, design, sketches etc. you need a portfolio website to show case your work weather you're an individual, a small team of two or a company of ten people, it's crucial that you have a unique online approach. A website portfolio will help you stand out from the crowd, show your uniqueness, build trust and make sure that others can actually find you.

Key words: *UNIQUENESS, PORTFOLIO, PERSONALITY.*

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Paper ID: ICCIASH-2022/660

PING PONG GAME

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Abstract:

Ping pong is a two dimensional sports game that simulates table tennis. The player controls an in-game paddle by moving it vertically across the left or right side of the screen. They can compete against another player controlling a second paddle on the opposing side. Players use the paddles to hit a ball back and forth. Pong is one of the most famous arcade game turtle is an inbuilt graphic module in python it uses panel and pen to depict illustrations

BELOW ARE THE STEPS USED:

1.Create 2 paddles 'A' and 'B' on the left and right side of the screen.

2.Create a ball.

3.Create an event to move the paddle vertically on pressing a certain key.

4.Create a function to update the score after each player misses a collision.

Key words: *Paddle, Two dimensional sports, turtle.*

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Paper ID: ICCIASH-2022/729

A Study on Home Loans at Axis Bank

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Abstract:

The objective of this paper is to understand the conceptual framework of home loans in India and to undertake an empirical study on the home loan industry. In this regard, secondary data is being used. The various issues related to drivers of demand in housing, the evolution of home loans, Housing in India, importance, and types of home loans have been discussed. Through this paper, the basics of housing loans are addressed.

Home is an integral part of a human being, who since his childhood, dreams to have a living space of his own. Once-in-a-lifetime investment requires a loan to do it and that is how the home loan comes into the scheme of things. Buying a home is a dream for everyone. Due to the rising price of properties, it has almost become impossible for an average-earning person to buy a home through lump sum payment. Therefore, the concept of a home loan has come into existence. There are a plethora of housing finance institutions and banks both in the public and private sector which offer home loans. Choosing one institution and one offer for a home loan amidst the thousands of available options has become a very complex task in our country.

Key words: *Home loans, Axis bank.*

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Paper ID: ICCIASH-2022/783

A Study on Mergers and Acquisition at Union Bank of India

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Abstract:

Union Bank had merged with Andhra Bank and it came into effect from April, 2020. In this regard the financial performance of Union Bank and Andhra Bank had been compared between pre-merger and post-merger period.

Three years pre-merger (2017 to 2019) and post-merger (2020 to 2022) financial years have been used for conducting this research work. Secondary data had been taken financial statement of Union Bank and Andhra Bank has been procured from respective websites and reliable sources. Both fundamental analysis and technical analysis have been conducted. The results from this study proved that merger had improved the overall performance of Union Bank.

Key words: *Mergers, acquisition, banking, fundamental analysis, financial performance.*

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Paper ID: ICCIASH-2022/446

HEARTBEAT SENSOR USING TIMER IC

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Abstract:

This paper is focused on implementing a heartbeat sensor. heartbeat Sensor is an electronic device that is used to measure the heart rate. The heartbeat sensor is based on the principle of photoplethysmography. It works with IR transmitter & receiver LED. These days we have an increased number of heart diseases including increased risk of heart attacks. This system does this by detecting the heart beat level and informs as soon as possible. Thus this can save life of many people as this system alerts the doctor about the patient's heart beat level. Heart beat sensors are designed to give digital output heart beat when a finger is placed on it. The main points for measuring pulse are radial pulse and carotid pulse which the radial pulse on the wrist and the carotid pulse on the neck. This is the most easy way to monitor the heart rate is to use a heart beat sensor as it allows an instant way to measure heart beat.

Key words: *Heartbeat, Device, Sensor.*

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Paper ID: ICCIASH-2022/407

WIRELESS CELL PHONE DETECTION SYSTEM

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Abstract:

In tight security places it is mandatory for people to switch off their cell phones. Also, in examination halls it is needed that student should not keep their cell phones with them. This project is made with this aim to tackle this problem with the smallest and easiest possible manner. When a cell phone is active, it radiates frequency in the range of 0.9 GHz to 3 GHz. When the Wireless Cell phone Detection System project is kept near such an active cell phone device, it intercepts those signals. And when the interception occurs, the circuit indicates this event by a glowing LED. Due to the property of the cell phone frequencies can penetrate through layers of clothing material or even wooden blocks or thin metal blocks, the active cell phone devices can be tracked even if they are hidden by their users. In this way the secured area can be scanned for any hidden cell phone devices that have not been switched OFF.When the cell phone is active, it radiates these frequency signals. When the signal is rectified and amplifies with the help of an amplifier circuit. This amplified output is given to the LED so that it can lit up bright enough for the user to see the LED is ON. As soon as the cell phone signals go away, the LED will again go OFF indicating avid absence of any cell phone devices in its vicinity.

Key words:

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Paper ID: ICCIASH-2022/402

WIRELESS POWER TRANSMISSION

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Abstract:

The wireless transmission i.e. power transmission without using any type of the electrical conductor and wires .This project is based on electromagnetic induction. The idea that is discussed here about how electrical energy can be transmitted as microwaves so that to reduce the transmission, allocation and other types of losses. Such technique is known as Microwave Power Transmission (MPT). In the several aspects with the currently available Power transmission systems and also the related development changes .The components needed for wireless power transmission is Insulated copper wire, Battery(9v), transistor(222s), led(5mm), resistor(22k/4w), on and off switch, battery clip. This can be implemented in house appliances and industries.

Key words: *WPT, EMI.*

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Paper ID: ICCIASH-2022/413

ELECTRONIC LETTER BOX CIRCUIT LM74IC

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Abstract:

In this project we have designed a simple electronic IC letter box , a circuit that can be used to indicate when ever you receive a mail (physical mail-like a letter)an led is used as an indication in this electronic letter box project.when anyone drops a letter in your letter box then this circuit will produce a visual alarm the circuit is very easy.so we need install the LDR and led at the different corners of the box so that the light from the LED will regularly fall on the LDR. When anyone drops a letter in your letter box ,then this circuit will producrea visual alarm operational amplifer LM741,CD4001 and as wll as LDR are the basic building block of the circuit. Usually the led stays on.But when a letter is dropped by someone into your letter box the led stops glowing i.e it is turned off this indicate that there is a letter in your letter box.

Key words: *electronic letter box project circuit lm74ic*

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Paper ID: ICCIASH-2022/403

LED POV DISPLAY

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Abstract:

LED pov display is an acronym for Light Emitting Device, Persistence of vision display. It is kind of an optical illusion in which the visual image seems to persist even when the light from it ceases to enter our eyes. It is a simple concept where we light LEDs at a variety of sequences in order to get an illusion of a text being displayed. In the current era in which energy is the main factor in designing all the applications, maximum and efficient use of energy is very important. A POV has many advantages over traditional CRT,LCD or LED displays, like power saving, less complexity, easy configuration and looks attractive. This project is based on Arduino circuits and LEDs.We use Sketch Arduino coding to present the lights as per wish. The ARDUINO Interface Boards provide us with a low-cost, easy-to-use technology to create the project. This can be implemented in schools,colleges, offices for better visibility. It can also be implemented in the entertainment industry for attractiveness.

Key words: *LEDs, ARDUINO.*

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Paper ID: ICCIASH-2022/401

FIRE ALARM CIRCUIT

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Abstract:

Fire safety is one of the major concerns for a safe home environment. The primary purpose of fire alarm system is to provide an early warning of fire so that people can be evacuated & immediate action can be taken to stop or eliminate of the fire effect as soon as possible. Fire Alarm Circuit is a simple circuit that detects the fire and activates the siren sound or buzzer. Fire Alarm Circuits are very important devices to Detect fire in the right time and prevent any damage to people or property. There are many types of small fire alarm that exists like LM358 alarm,NE555 timer alarm, LM341 alarm, alarm, transistor type alarm, and few more, in this project we are going to use lm358 ic.

Key words: *FAC.*

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Paper ID: ICCIASH-2022/406

SOLAR BASED MOBILE CHARGER

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Abstract:

Today charging of mobile phone is became a big problem.When travelling too long-distance we don't have charge in our mobile. So we go for an alternative method of conventional energy called "solar energy". This will work by converting light energy in to electrical energy. Electron hole pair are created in the N-type emitter and in the P-type base. the development of solar charger goes from the fundamental levels like soldering lamination and making panel e.t.c this charger is used also in travelling power cut, on-availability of power in some remote area.

Key words:

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Paper ID: ICCIASH-2022/412

LEAD ACID BATTERY CHARGER

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Abstract:

Lead Acid Batteries are one of the oldest rechargeable batteries available today. With the lack of centralized power grids, lead acid batteries have taken the place of one of the main energy source available in developing countries. The main advantage of lead acid battery charger is , it is inexpensive and simple to manufacture . Lead acid is durable and provides dependable service and the self-discharge of battery is among the lowest of rechargeable battery systems and capable of high discharge rates. Mostly, Lead-acid batteries are used in emergency lighting and to power pumps in case of failure and also most commonly used in cars. It is also used in small scale power storage such as UPS systems, starting lighting and ignition power sources for automobiles, along with large, grid-scale power systems. With this in mind, our objective was to design a cheap, versatile and efficient lead acid battery charger circuit.

Key words: *Lead acid battery charger.*

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Paper ID: ICCIASH-2022/414

SIMPLE 10 WATT AMPLIFIER CIRCUIT

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Abstract:

An Audio power ampilifier is an Electronic amplifier that amplifies low-power electronic audio signals such as The signal from a Radio receiver guitar pickup to a level that is high enough for driving loud speakers or headphones. LM1875 is a monolithic power amplifier offering very low distortion. An amplifier takes an input signal from a source , such as a laptop or CD player and creates a large copy of the original signal before its sent to the speakers. It gets the power to do this from our mains electricity,which is sent directly to the power supply within the Amplifier.

Key words: *LM1875.*

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Paper ID: ICCIASH-2022/791

A study on portfolio analysis of mutual funds with special reference at Indian info line

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Abstract:

The basic approach of any kind of investor is to handle and minimize the risk and increase their profits. It is common fact that to manage the risk is not to have all eggs in a basket in monetary markets and this saying is familiar as diversification. The diversifications need a decision regarding which basket to have which eggs and how many eggs should have in the basket. The lack of financial expertise in the context of mutual funds for making investments in markets has introduced mutual funds with the state of mind of financial experts. The experts of financial markets have only an advantage since the fact that it is always a win-win situation for those who don't know about investment and decreasing the risk via effectively managing funds by bigger portfolios and sufficient amount of money. As the mutual fund industry expanded with some pace in the first decade of this century and due to this reason the performance evaluation of this industry become a critical and hot topic. The study aims to measure the performance of the mutual fund industry from 2017 to 2022. A total of 233 mutual funds are operating in the mutual industry out of 233 mutual funds, a total of 45 mutual funds were selected for the study; 23 mutual funds were from equity while only 22 mutual funds were selected from the money market. Sharpe ratio was used to measure the risk-adjusted performance of mutual funds and the Sharpe ratio in both equity funds and money market funds are positive, thus indicating that funds managers can diversify investment to decrease the risk.

Key words: *MUTUAL FUNDS, IIFL, PORTFOLIO, EVALUATION AND PERFORMANCE.*

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Paper ID: ICCIASH-2022/411

AUTO WATER PUMP SWITCHER

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Abstract:

In many Places time for water supply is not fixed. It may be in early morning hours or anytime in a whole day. These creates many problems for a concerned person you have to wake up early, just to switch on your motor pump and wait till your water tank is filled up. So, here we have designed a simple idea which simply turns on or off your pump according to your water supply. The controller system works on a 555 IC with a water-level sensing arrangement. So whenever the incoming water is sensed the relay circuit simply switches the Pump On and when the water supply is off the relay switches off the motor. Hence this is a simple and a low-cost automatic water pump motor controller which makes your everyday water pump related quite easy.

Key words:

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Paper ID: ICCIASH-2022/409

DARKNESS DETECTOR USING 555 TIMER IC

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Abstract:

In this renowned era of science and technology, there are many inventions and innovations to support life, humanity, and day to day activities. The technology is employed so as to be safe, and conserve energy. It is common knowledge that it is a very difficult task and risky to move around in darkness without stumbling. Therefore, light is needed to easily move around when there is darknessLDR's are particularly convivent electronics component to use they provide large change resistance for changes in light level In view of their low cost , case of manufacture and case of use LDR have been based in a variety of different applications at one time LDR's were used in photo graphic meters and even now necessary to detect light level. can use dark (or) light sensor in street light and we the light sensor can give the robot vision and make it easier for it to operate autonomously.

Key words: *LDR , Timer IC.*

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Paper ID: ICCIASH-2022/415

RAIN ALARM USING 555 TIMER IC

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Abstract:

Everyone's life's revolves around the water. water conservation and good use are important. Rainfall devices are useful to the maintenance of plant health as well as conservation of water resources because they can assist in bypassing scheduled irrigation. Rain sensors are rain shutoff devices that are designed to pause irrigation when there is a significant amount of rainfall. The devices are inexpensive and save water when installed in automatic irrigation system. They can detect when recent rainfall has supplied sufficient water to the landscape and when irrigation is not needed. In the state of Florida, the law requires that new automatic irrigation system is incorporate rain sensor.

Key words: *rain sensor.*

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Paper ID: ICCIASH-2022/796

A Study on Derivatives (Future & Option) Angel One

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Abstract:

The emergence of the market for derivatives products, most notably forwards, futures and options, can be tracked back to the willingness of risk-averse economic agents to guard themselves against uncertainties arising out of fluctuations in asset prices. Derivatives are risk management instruments, which derive their value from an underlying asset. The following are three broad categories of participants in the derivatives market Hedgers, Speculators and Arbitragers. Prices in an organized derivatives market reflect the perception of market participants about the future and lead the price of underlying to the perceived future level. In recent times the Derivative markets have gained importance in terms of their vital role in the economy. The increasing investments in stocks (domestic as well as overseas) have attracted my interest in this area. Numerous studies on the effects of futures and options listing on the underlying cash market volatility have been done in the developed markets. The derivative market is newly started in India and it is not known by every investor, so SEBI has to take steps to create awareness among the investors about the derivative segment. In cash market the profit/loss of the investor depends on the market price of the underlying asset. The investor may incur huge profit or he may incur huge loss. But in derivatives segment the investor enjoys huge profits with limited downside. Derivatives are mostly used for hedging purpose. In order to increase the derivatives market in India, SEBI should revise some of their regulations like contract size, participation of FII in the derivatives market. In a nutshell the study throws a light on the derivatives market.

Key words: *Future trading, Option Trading, Investment.*

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Paper ID: ICCIASH-2022/326

Monitoring System of Taxis

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Abstract:

An intelligent real time monitoring vehicle system for taxis" is a real time monitoring smart vehicle unit. According to the needs of the security operation taxi, a kind of vehicle monitoring terminal device which takes C8051F040 microcontroller as the core, combining GPS, GPRS and LCD was proposed. This device will show the superiority of C8051F040 microcontroller, which is high-speed, low-power, and has rich interface. Through the application of GPS, LCD, and the GPRS module which communicate with the monitor center, the device may realize functions such as vehicles localization, vehicles monitoring and dispatching etc. This paper describes hardware design and flow process of related procedure in detail.

Key words: *GPS, GPRS, LCD, Microcontroller.*

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Paper ID: ICCIASH-2022/323

SMART DUSTBIN USING IOT

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Abstract:

In the recent decades, Urbanization has increased tremendously. At the same phase there is an increase in waste production. Waste management has been a crucial issue to be considered. This paper is a way to achieve this good cause. In this paper, smart bin is built on a microcontroller-based platform Arduino Uno board which is interfaced with GSM modem and Ultrasonic sensor. Ultrasonic sensor is placed at the top of the dustbin which will measure the stature of the dustbin. The threshold stature is set as 10cm. Arduino will be programmed in such a way that when the dustbin is being filled, the remaining height from the threshold height will be displayed. Once the garbage reaches the threshold level ultrasonic sensor will trigger the GSM modem which will continuously alert the required authority until the garbage in the dustbin is squashed. Once the dustbin is squashed, people can reuse the dustbin. At regular intervals dustbin will be squashed. Once these smart bins are implemented on a large scale, by replacing our traditional bins present today, waste can be managed efficiently as it avoids unnecessary lumping of wastes on roadside. Foul smell from these rotten wastes that remain untreated for a long time, due to negligence of authorities and carelessness of public may lead to long term problems. Breeding of insects and mosquitoes can create nuisance around promoting unclean environment. This may even cause dreadful diseases.

Key words:

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Paper ID: ICCIASH-2022/447

BRAKE FAILURE INDICATOR CIRCUIT USING 555 TIMER IC

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Abstract:

Today, Machines are widely controlled by automated control system. To meet the need of growing population economic, effective and reliable control of machines as well as their control system is necessary. The main objective of this project is to continuously monitor the braking system at each and every time during the operation of the vehicle. Now a days, accidents are occurring due to lot of reasons, the one of the main reason is brake failure, it caused to due to poor maintenance, improper use and product defect, in order to safe guard the valuable human for accident the accident monitoring of brake is very important issue in automobile. The brake failure indicator circuit is a circuit that monitors constantly of the condition of brakes and provides an audio visual indication. When the brake is applied in order to slow down or to stop the vehicle the green LED blinks and the buzzer beeps for about one second if the brake system is accurate and working properly. If brake system fails the red LED glows and the buzzer do not beep when the brakes are applied.

Key words: *Brake, Automobile, and Vehicle.*

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Paper ID: ICCIASH-2022/520

A New Methodology to Implement Every Transport in A Unisite

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Abstract:

Every transport in a UNISITE is a website where we can book every transport. Now-a-days everyone is downloading 2 to 3 apps for booking a transport. So, instead of that, we have created a website where we can book bike, cab, bus, train, aeroplane in one site. It helps us to save memory of the mobile and also time. This web is very easy to understand and the process of ticket booking makes easier to the customers. You can plan your tour according to your schedule. We also provided navigation system for customers convenience. The objective of our project is to design the web application where customers can easily book their tickets.

Key words:

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Paper ID: ICCIASH-2022/328

SMART VOTING SYSTEM

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Abstract:

The word "vote" means to choose from a list, to elect or to determine. The main goal of voting is to come up with leaders of the people's choice. Most countries, Kenya not an exception have problems when it comes to voting. Some of the problems involved include ridging votes during election, insecure or inaccessible polling stations, inadequate polling materials and also inexperienced personnel. "ONLINE VOTING SYSTEM" is an online voting technique. In this system people who have citizenship of Kenya and whose age is above 18 years of age and any sex can give his\her vote online without going to any physical polling station There is a database which is maintained in which all the names of voters with complete information is stored. In "ONLINE VOTING SYSTEM" a voter can use his\her voting right online without any difficulty. He\She has to be registered first for him/her to vote. Registration is mainly done by the system administrator for security reasons. The system Administrator registers the voters on a special site of the system visited by him only by simply filling a registration form to register voter. Citizens seeking registration are expected to contact the system administrator to submit their details.

Key words:

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SMART PORTABLE CELL PHONE JAMMER CIRCUIT

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Abstract:

In our day to day life the usage pof cell phone has increased enormously. so at present , silence, and security are a major concern in examination halls , auditoriums, conference halls, meetings etc. Mobile jammer is a device which allows to block or jam all the incoming and outgoing calls and sms within a specified area. It doesn't have any connection with cell phone. It can be used in practically any location, but are used in practically any location, but are used in places where a phone call would be practically disruptive like temples, libraries, colleges etc. The main objective of the proposed work is to block both GSM and CMDA frequency.

Key words: *IoT, big data, IoB.*

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Paper ID: ICCIASH-2022/627

ONLINE CRICKET SCORE CARD SYSTEM

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Abstract:

This project aims to make a cricket score board that will update the scores of a match simultaneously with commentary. Cricket being a special part of the lives of many people, there will be many takers for such a system and the ability to follow the match without seeing the video will make it interesting for many. When a user is unable to attend the match due to any unavoidable circumstances then they can easily check the commentary on a regular basis to get updates on what is happening.

The system will keep posting updated scores and the team line-up during the match. The admin will store upcoming match details and ensure that the information is posted during the upcoming events; this will help the admin to easily load information at the time of the match.

Key words: *Cricket score, Team rules, Commentary.*

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Paper ID: ICCIASH-2022/549

Online Booking System

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Abstract:

ONLINE BOOKING is a tourist agent which provides the facilities for booking hotels, inns, houses, holiday apartments and other accommodations for customers. In earlier days if a customer needs to book a hotel, inns or apartments they need to visit the place in person to check the availability as well as for negotiation. The online booking system will help the customers to book their respective accommodation. It will even help the hotels to manage the customers booking easily and also keep the customers data more safe. It will also help staffs to keep in track with their customer's online booking request as well as easily receive feedback from the customers. The modelling language used in this project is UML.

Key words: *UML-Unified modelling language.*

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Paper ID: ICCIASH-2022/612

Weather Forecasting

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Abstract:

Weather forecasting is the application of science and technology to predict the state of the atmosphere for a given location. Ancient weather forecasting methods usually relied on observed patterns of events, also termed pattern recognition. For example, it might be observed that if the sunset was particularly red, the following day often brought fair weather. However, not all of these predictions prove reliable. Here this system will predict weather based on parameters such as temperature, humidity and wind. The role of the admin is to add previous weather data in database, so that system will calculate weather (estimated rainfall in inches) based on these data. Weather forecasting system takes parameters such as temperature, humidity, and wind and will forecast weather based on previous record therefore this prediction will prove reliable. This system can be used in Air Traffic, Marine, Agriculture, Forestry, Military, and Navy etc.

Key words: *GUI , Tkinter , API*

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Paper ID: ICCIASH-2022/503

DIMINUTIVE CODED REFERENDUM SYSTEM USING C#

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Abstract:

Online Voting System has been used in varying forms since the starting of 21st century. For political purpose and other crucial purposes, they are effectively designed using Block chain technology, Matlab and other technologies so that there would be less probabilities for tampering votes etc, which gives both macro scale utility and security. But it also has disadvantages when use for micro purposes or polling between small groups i.e., it requires large systems etc. In this paper we are presenting how can we make the small size polling to be executed in a smooth way using C language with providing utilities like deleting votes, banning voter id's and also for event polling, without any large system installations. We are providing a password security for admin to monitor the polling and declare the people's choice.

Key words: *online polling, deleting votes, banning, admin login.*

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Paper ID: ICCIASH-2022/336

Library Management System Using Python

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Abstract:

Library management system is a project which aims in developing a computerized system to maintain all the daily work of Library. This project has many features which are generally not available in normal library management systems like facility of user login and a facility of Teachers login. It also has a facility of admin login through which the admin can monitor the whole system. It also has facility of an online notice board where teachers and student can put up information about workshops or seminars being held in our colleges or nearby colleges and librarian after proper verification from the concerned institution organizing the seminar can add it to the notice board. It has also a facility where student after logging in their accounts can see list of books issued and its issue date and return date and also the students can request the librarian to add new books by filling the book request form. The librarian after logging into his account i.e admin account can generate various reports such as student report, issue report, teacher report and book report. Over all this project is being developed to help the students as well as staff of library to maintain the library in the best way possible and also reduce the human efforts.

Key words: *Python,My SQL.*

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Paper ID: ICCIASH-2022/337

Voice Control Virtual Assistant

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Abstract:

Personal Assistants, or conversational interfaces, or chat bots reinvent a new way for individuals to interact with computes. A Personal Virtual Assistant allows a user to simply ask questions in the same manner that they would address a human, and are even capable of doing some basic tasks like opening apps, reading out news, taking notes etc., with just a voice command. Personal Assistants like Google Assistant, Alexa, Siri works by Speech Recognition (Speech-to-text) and Text-to-Speech.

Therefore, a voice enabled personal assistant will help automating this process. User is expected just to give a voice command, and the assistant will take care of the rest. The paper indicates the usage of a Voice enabled personal assistant and it can enable an individual to get things done with voice commands, and can save a lot of their time as well.

Key words: *Personal Assistants; chat bots; conversational interfaces; Speech Recognition; Text-to-Speech.*

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Paper ID: ICCIASH-2022/334

Talking Dictionary Using Python

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Abstract:

Dictionary is one of the important media in learning English. It can be a handy tool. A dictionary can be used for various purposes, such as enriching vocabulary, improving grammar or to improve one's knowledge. Along with the rapid development of technology at this time, the various applications are widely developed as a medium of learning, therefore developing a dictionary application can be one of the best learning media. Dictionary application can be more practical than conventional dictionaries, as users can receive information quickly anywhere without space and time constraints. Based on this concept, the project aims to create a Dictionary Application using Python. The main objective of this project is to develop an interest in words and language, learn how the dictionaries work, and make the search of words and spellings easier and more convenient than compared to the conventional dictionaries and listen to the pronunciation of the word and its meaning.

Key words: *Python, Tkinter, Pyttsx 3.x.*

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Paper ID: ICCIASH-2022/330

FLEXIBLE CONJUGATED POLYMER BASED PLASTIC SOLAR CELL

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Abstract:

Energy is the key input to drive and to improve the life cycle. The consumption of the energy is directly proportional to the progress of the mankind with ever growing population , improvement in the living standard of the humanity, industrialization of the developing countries like India. The global demand for energy is increasing on alarming rate .The primary source of energy is fossil fuel (like coal ,diesel),which are decreasing day by day due to more energy demand and there is global warming problem due to these sources .So ,we need non-conventional energy sources to full fill the demand of energy .This deals with basic principal of operation of plastic solar cells and we demonstrate the implementation of the nanorod and screen-printing technology in the fabrication of organic-based bulk heterojunction solar cells.

Key words: *solar cells, solar panels, battery.*

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Paper ID: ICCIASH-2022/329

Biometric Authentication Using Electro Cardiogram

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Abstract:

Biometric systems are increasingly being adopted to improve security, convenience, and inclusion in society and to provide potential applications in various research and industrial fields. There are some Biometric authentications like Face recognition, Finger print and Voice recognition. Beside of this they have some limitations like unauthorized person can hack it. To overcome the limitations of the traditional biometric systems, electrocardiogram (ECG) has received the most attention from the biometrics community due to the highly individualized nature of the ECG signals and the fact that they are ubiquitous and difficult to counterfeit. This project introduces a framework for how to appropriately adopt and adjust machine learning (ML) techniques used to construct electrocardiogram (ECG)-based biometric authentication schemes.

Key words: *Biometric.*

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Paper ID: ICCIASH-2022/310

RADIO FREQUENCY JAMMING SYSTEM

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Abstract:

A mobile phone jammer or blocker is a device which deliberately transmits signals on the same radio frequencies as mobile phones. A mobile phone jammer is an instrument used to prevent cellular phones from receiving signals from base situation. In our day-to-day life, the usage of cell phones has increased enormously so at present, silence and security are a major concern in examinations halls, auditorium, conference halls, meetings etc, so we attempt to implement the Mobile Phone Jammer. Jammer is a device to block or jam all incoming and outgoing calls and SMS within a specified area. It does not have any direct connection with cell phone. Our basic aim is to block all the incoming signals from BTS(Base Transceiver System) of a service provider to do that we had to make a circuit, this could produce frequency equal to that of a BTS for all this power control was the basic parameter to make jamming successful.

Key words: *BTS.*

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Paper ID: ICCIASH-2022/311

GREEN BUILDING FOR QUALITY LIVING

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Abstract:

Building which is also known as sustainable building design to meet some objectives such as occupant health using energy and other water resource efficiently while creating healthy buildings reducing overall impact the environment it is an opportunity to use resources efficiently creating healthy building that improves human health. Build a better environment and provide cost of saving all the development projects lead ore consumption of natural resources. Buildings are found to be both, one of the biggest consumer of energy and producer of greenhouse gases. It has become a global issue. According to the National Institute of Building Sciences (USA), buildings generate 35 percent of the carbon dioxide. Since buildings are accountable for this scenario, it has imposed an immediate requirement to not only think of, but implement sustainability in every new construction instantly. This will render us a sustained environment and a healthy ecosystem. A sustainable or green building produces net zero or smaller carbon footprint or reduces the other harmful emissions. It is a building which does not have adverse effects on the ecological balance these structure don't have a negative impact on the environment as they generate their own energy from solar energy, wind energy etc. It is designed and construction is a method of wisely using resources to create high-quality, healthier and more energy-efficient homes and commercial buildings. It is about finding that balance between high quality construction and low environmental impact.

Key words: *Sustainable, Ecological balance.*

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Paper ID: ICCIASH-2022/434

SMART HOME AUTOMATION USING 555 TIMER

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Abstract:

Electrical Lights And Fans Are Widely Used Devices Which Are Operated Manually. These Works Are No Longer Done By Humans Instead Performed By Machines Through Automation. Automation Used For Home Appliances Is Referred As "HOME AUTOMATION". This Project Describes a System for Efficient Home Automation Using IC 555 timer. This is the main component of this project. 555 Timer is a popular IC in electronics. It is used in various electronic circuits for its stable properties. It has 8 Pins. It turns on electrical lights and fans whenever; a person enters a room using PIR sensor and adjusts the speed according room temperature without human action.

Key words: *Automation, IC 555 Timer, PIR sensor.*

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Paper ID: ICCIASH-2022/327

IOT BASED WIRELESS ADVANCED HOME AUTOMATION SYSTEM

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Abstract:

The project aims at designing an advanced home automation system using Wi-Fi technology. The devices can be switched ON/OFF using an android phone through Wi-Fi. Physical devices and objects used for connection through the internet are called the Internet of Things (IoT). These devices are integrated with wireless routers that permit communication The controlling device for the automation in the project is a Arduino Microcontroller. Automated home through IoT technology is called shrewd household. IoT is utilized to monitor and switch the devices and applications. IoT is manufactured and programmed in such a way that it can control vehicle, home appliances, health care devices, wearable and electronics devices remotely. The Microcontroller is programmed used embedded 'C' language.

Key words: *contents, links, resources, share, access, site, education.*

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Paper ID: ICCIASH-2022/316

PIEZO ELECTRIC SENSOR IN AIRCRAFT FLUTTERING

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Abstract:

The main objective is to insert the piezo-electric sensors in a glass fiber composite laminate, the role of piezo-electric sensor is to convert the mechanical vibrations of aircraft into electrical current in order to produce the electrical energy and to reduce the more usage of batteries and electrical systems in aircraft. The insertion of sensors within a composite structure gives an opportunity to develops smart materials for health and usage monitoring systems. The study investigates that converting the vibrations and wing fluttering into electric current by using transducer.

Key words: *Glass Fiber.*

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Paper ID: ICCIASH-2022/324

LPG Monitoring and Leakage Detector System

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Abstract:

LPG gas detection projects main idea is to implement security system for detecting leakage of gas in closed environment. In this project gas leakage is identified by using sensors which works only in closed environment. In present situation there are many cases related to gas leakage which cause innocent people lives and property damage. Implementing this application can be useful for companies, houses, which can save lives of people. This can be used as an application in chemical and hazardous industries where there is a continuous need of monitoring the gas leaks.

Key words: *LPG.*

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Paper ID: ICCIASH-2022/623

GPS TRANSPORT SYSTEM

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Abstract:

Global Positioning System based on transport system The purpose of this project to develop a tracking / monitoring Android application (mobile) Using object GPS devices to ascertain its current location. location sensitive information is usually initiated by a user called the client or network provider. Most application today use Global Positioning System (GPS) provide location information; for example, social network site like Facebook allow users to share their location with friends etc. Global Positioning Systems (GPS) receiver on android devices receives radio-signal from the satellites. The proposed system will use a predictive algorithm which will enable user store specific location which they remember, the system will then be able to direct the user to that spot using Google Maps API the numerous benefits emanating from the use of location-based service, there is however issues that bothers on the privacy of user; hence there is need for proper government regulations. Record current and past location of an object /devices It helps in notifying other components when a GPS object / device moves in and out of location.

Key words: *Vehicle tracking.*

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Paper ID: ICCIASH-2022/610

Hospital Management System - A Database

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Abstract:

This project Hospital Management system includes registration of patients, storing their details into the system, and also billings of the patients . The software has the facility to give a unique id for every patient and stores the clinical details of every patient and hospital tests done automatically. It includes a search facility to know the current status of each patient. User can search details of a patient using the id. The Hospital Management System can be entered using a user id and password. It is accessible either by an administrator or receptionist and also by the patient. Only staff can add data into the database. While the patients want to login, they just want to enter their ID and they can see their details. The data can be edited easily by the staff. The interface is very user friendly. The data are well protected for personal use and makes the data processing very fast. For the database we used mysql because it is very easy to access and also the query sending through the program is simple. For GUI we used a module called TKinter in python, it is a basic level GUI development module. After a patient admitted into the hospital they will get a mail to the given mail address and it contains some information about them and including their current bill.

Key words: *MySql, Data base, GUI, Tkinter.*

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Paper ID: ICCIASH-2022/609

MINI VOTING SYSTEM

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Abstract:

In this project, we make a voting machine in which we have different options to vote each user vote one time and after all the users gives their vote we will conclude the result and store in our file and we have a full-fledged file in which we store a list of winner. This help the organizations to conduct the elections and also can be used in schools, offices, collages and others. A high quality online voting system strikes a balance between ballot security. By this voting can be done in a systematic manner. Voting systems assist in making decisions. They can also be used to conduct regular poles between or among the colleagues for a certain tasks. With this voting system, users can enter their preferences and the total votes and leading candidate can be calculated. It is a straight forward C project that is simple. Small scale elections can be conducted by this mini voting system created with the C-language.

REQUIREMENTS:

1. Admin login. (username and password)
2. Candidate information. (name and symbol)
3. User voting. (voter's information/id)
4. Result.

For this project we should have the knowledge about the C-language to use it. The project must be simple to use for basic needs and show the result without any scam.

Key words: *C-language, login info, voting, results.*

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Paper ID: ICCIASH-2022/626

MOVIE TICKETS BOOKING MANAGEMENT SYSTEM

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Abstract:

This cinema ticket booking is a faster, cleaner, and a tad more personal website, specially designed to make your booking experience better. It is the basis of the principle 'Skip the Queue' that is useful in arranging for cinema tickets on the go, easily without the hassle of getting in the queues to get the show you want to see. So anyone with the net provision can book tickets, whether gold or silver, along with the combo packs to chosen.

Log on, navigate and find out for yourselves and if time permits leave your valuable feedback. Customers may view the contents of any movie show at any time and may book any movie ticket as needed. The program automatically calculates the subtotal and grand total. When a visitor decides to finally book the ticket, the order information including the buyer's name, address and billing instruction is stored in the database securely and payment has been made.

The combo booking is also provided at the time of booking the ticket and there's a wonderful facility of delivering the combos at your seat when you are watching the movie. You need to register a new user whenever you have first visited or site then for future it will be stored in our database permanently and you can book your movie ticket at any time you want with this username and password.

Key words: *Faster, Hassle, Provision, Database.*

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Paper ID: ICCIASH-2022/427

DETECTION OF OBSTACLE USING IR SENSOR

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Abstract:

The proposed project is heavily centred around the use of IR sensors.IR sensor (infrared sensor) is an electronic device that detects and measures infrared radiation in its surrounding environment. Considering all the variations, it is mainly used as proximity /motion/heat detector. The basic idea of IR sensor used as an obstacle detector here is to transmit an infrared signal, this infrared signal bounces off of the surface of an object and the signal is received by the Infrared receiver. Once the object or obstacle is detected, it is indicated by an LEDorabuzzer. This technology can be used in cars, refrigerators, motion sensitive lights, etc.

Key words: *proximity, LED, IR sensor.*

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Paper ID: ICCIASH-2022/625

Phone Book Application in Python

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Abstract:

The phonebook application works specifically for tracking people. The Phonebook application contains a set of basic functions for adding, searching, updating, and deleting new contacts. This mini-python phonebook design allows you to perform simple tasks in your phonebook, such as mobile phones. You can add text to the phonebook, find, edit, search, and delete. The concept of file management and data structure is often used in almost all functions in this project. It uses functions, file management, and data structure. This application provides information on adding, viewing, modifying, receiving, and deleting data from/to files. Adding new entries, browsing them, editing and updating, searching for saved contacts, and deleting contacts in the phonebook is one of the most important services that become the main menu in the phonebook application. When you add anything to your phone book, you will be asked for personal information such as name, gender, first name, phone number, nationality, email address, and address. You can then edit, view, search, and delete this text.

Key words: *Files, Data structures, structure, Tiknter (module)*

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Paper ID: ICCIASH-2022/616

Online Ticket Reservation System

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Abstract:

Online Bus Ticket Reservation System is a Web based application that works within a centralized network. This project presents a review on the software program "Online Bus Ticket Reservation System" as should be used in a bus transportation system, a facility which is used to reserve seats, cancellation of reservation and different types of route enquiries used on securing quick reservations. OBTRS is built for managing and computerizing the traditional database, ticket booking and tracking bus and travel made. It maintains all customer details, bus details, reservation details. In order to achieve the design, Imo Transport Company (ITC) was chosen as a case study because of its strategic importance to Imo State. Structured Systems Analysis and Design Methodology (SSADM) was adopted.

Key words: *ITC, SSADM.*

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Paper ID: ICCIASH-2022/631

PERSONAL PORTFOLIO WEBSITE

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Abstract:

A portfolio website is a unique way to showcase your work and let others know about yourself. It's like an evergreen platform for your project, case studies and information about you. In addition, it's one of the best ways to express your personality, experience and capabilities. Having your own websites means customers are always able to find you and if interested, reach out for you if you don't have you an online presence now a days, you are behind the time. A portfolio is a great way for photographers, designers, developers and wide range of artists to present their work online it's let you reflect your identity through your work-photos, graphics, design, sketches etc. you need a portfolio website to show case your work weather you're an individual, a small team of two or a company of ten people, it's crucial that you have a unique online approach. A website portfolio will help you stand out from the crowd, show your uniqueness, build trust and make sure that others can actually find you.

Key words: *Uniqueness, Portfolio, Personality.*

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Paper ID: ICCIASH-2022/629

STOCK PRICE AND TREND PREDICTION

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Abstract:

The stock market is very volatile and non-stationary and generates huge volumes of data in every second. In this, the existing machine learning algorithms are analysed for stock market forecasting and also a new pattern-finding algorithm for forecasting stock trend is developed. Three approaches can be used to solve the project: Fundamental analysis, technical analysis, and the machine learning. Experimental analysis done to show that the machine learning could be useful for investors to make profitable decisions.

In order to conduct these processes, a Real-time dataset has been obtained from the Indian stock market. The model from Indian National Stock Exchange (NSE) data obtained from the yahoo API to forecast stock prices and targets to make a profit overtime. In this article, two separate algorithms and methodologies are analyzed to forecast stock market trends and Iteratively improve the model to achieve higher accuracy. Results are showing that the proposed pattern-based customized algorithm is more accurate (10 to 15%) as compared to other two machine learning techniques, which are also increased as the time window increases.

Key words: *NSE, API*

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Paper ID: ICCIASH-2022/630

Library Management System

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Abstract:

Library is place where all kind of books are available. Internet library management system is a web application. This system contains list of all the books and can be accessed by remote users concurrently from any where in the campus But for that users must be registered user. This system provides separate interface and login for librarian, students and faculties. Users can search for books and renewel books online. They can recommend for new books by just sending messages to the librarian from any where in the collage. They can view the issue and return dates of any book and due have to pay. This system generates reports that can be used in analyzing the library performance. Thus the management can take appropriate steps to improve the facilities.

Key words: *Net, LAN, SQL server.*

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Paper ID: ICCIASH-2022/615

Virtual Mouse Using Hand Gesture Recognition

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Abstract:

This paper proposes a way to control the position of the cursor with the bare hands without using any electronic device. While the operations like clicking and dragging of objects will be performed with different hand gestures. The proposed system will only require a webcam as an input device. The software's that will be required to implement the proposed system are open CV and python. The output of the camera will be displayed on the system's screen so that it can be further calibrated by the user. The python dependencies that will be used for implementing this system are Numpy, math, wx and mouse.

Key words: *OpenCV, Numpy, Calibrated, Gesture.*

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Paper ID: ICCIASH-2022/618

IOT- BASED SMART FORMING FOR CONTROLLING USAGE OF WATRER AND PESTICIDE

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Abstract:

Despite the perception people may have regarding the agricultural process, the reality is that today's agriculture industry is data-centered, precise, and smarter than ever. The rapid emergence of the Internet-of-Things (IoT) based technologies redesigned almost every industry including "smart agriculture" which moved the industry from statistical to quantitative approaches. Such revolutionary changes are shaking the existing agriculture methods and creating new opportunities along a range of challenges. This article highlights the potential of wireless sensors and IoT in agriculture, as well as the challenges expected to be faced when integrating this technology with the traditional farming practices.

IoT devices and communication techniques associated with wireless sensors encountered in agriculture applications are analyzed in detail. What sensors are available for specific agriculture application, like soil preparation, crop status, irrigation, insect and pest detection are listed. How this technology helping the growers throughout the crop stages, from sowing until harvesting, packing and transportation is explained. Furthermore, the use of unmanned aerial vehicles for crop surveillance and other favorable applications such as optimizing crop yield is considered in this article. State-of-the-art IoT-based architectures and platforms used in agriculture are also highlighted wherever suitable. Finally, based on this thorough review, we identify current and future trends of IoT in agriculture and highlight potential research challenges.

Key words: *IOT, sensor devices.*

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Paper ID: ICCIASH-2022/513

VOICE BASED E-MAIL SYSTEM FOR BLIND

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Abstract:

Internet is one of the basic luxury for daily living. Every person is using the facts and information on internet. On the other hand, blind people face difficulty in accessing the text resources. The advancement in computer based accessible systems has opened up many avenues for the visually impaired across a wide majority of the globe, Audio feedback based virtual environment like, the screen readers have helped blind people to access internet application immensely. However the visually challenged people find it very difficult to utilize this technology because of the fact that using them requires visual perception. Even though many new advancements have been implemented to help them use the computers efficiently no naive user who is visually challenged can use this technology as efficiently as a normal naive user who is visually challenged can use this technology as efficiently as a normal naive user can do that is unlike normal users, they require some practice for using the available technologies. In this project, the voicemail system architecture that can be used by a blind person to access e-mails easily and efficiently. Also this system can be used by any normal person also for example the one who is not able to read. The system is completely based on the interactive voice response which will make it efficient. Enabled the blind people to send and receive voice based e-mail message.

Key words: *voiced based E-mail, visually impaired, speech-to-text, text-to-speech, speech recognition.*

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Paper ID: ICCIASH-2022/510

IMPLEMENTATION OF DIGITAL LIBRARY

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Abstract:

An institutional repository and digital library is a new concept for collecting, managing, disseminating, and preserving research works created in digital form by researchers in individual organizations and institutions. These tools can assist in narrowing the digital divide or the digital gap (through knowledge sharing) between the third world countries and developed countries which continues to widen between the information rich and the information poor. This in its turn can have positive effect as an instrument for sustainable economic advancement. The purpose of this paper is to shed light on design and implementation options for digital library systems. It aims at explaining the phases and stages required for designing a digital library system. The stages are explained in a simple way so that digital library developers can use these steps as guidelines for designing a digital library in the most effective way.

Key words: *Digital Libraries, Systems Development Life Cycle, Content Management Systems.*

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Paper ID: ICCIASH-2022/512

BIOMETRIC BASED FINGERPRINT VERIFICATION SYSTEM FOR ATM MACHINES

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Abstract:

In this modern world, almost everyone uses ATM machines which allow people to transfer and withdraw cash. This study is based on executing a fingerprint method in the ATM System. We chose this field to improve safety and security for people to make the transaction easier. The fingerprints are unique for each person. There is no insecurity of losing an ATM card and no requirement to carry an ATM card with you every time. On comparison of different technologies for ATM security, the fingerprint technology operates better and safer than others. These reasons make this mechanism an effortless and secure way of transaction and also maintains a coherent ambience with users and ATM machines. This is the most latest technology in electronic cash transactions.

Key words: *Enhancing ATM, biometric based ATM, security system for ATM, and fingerprint based ATM.*

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Paper ID: ICCIASH-2022/515

IMPLEMENTATION OF STUDENTS RESULTS MANAGEMENT SYSTEM

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Abstract:

The main objective of the project is to provide the examination result to the student in a simple way. This project is useful for students and institutions for getting the results in simple manner. By a result analyzer with subject status and marks is an application tool for displaying the results in secure way. The system is intended for the student. And the privileges that are provided to student are to read and execute his/here result by providing user name and password for secure login and in case of new student the registration is available. And the guest user has the privilege only to read.The whole result analyzer will be under the control of the administrator and the admin as the full privileges to read, write and execute the result. And admin gives the privileges to the Teacher and student and the guest user to access the result.

Key words:

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Paper ID: ICCIASH-2022/509

PASSWORDS AND PIN BASED AUTHENTICATION SYSTEM

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Abstract:

With the rapid evolution of wireless communication technology, user authentication is important in order to ensure the security of wireless communication technology. Passwords play an important role in the process of authentication. In the process of authentication, the password entered by the user will be transmitted along the traffic to the authentication server in order to allow the server to grant access to the authorised user. The attackers will use the chance to sniff other person's password in order to perform some illegal activities by using other's identity. Due to these issues, many solutions have been proposed to improve the security of wireless communication technology. The solutions adopted are one-time password (OTP), hashing and two-factor authentication. Also a new solution will be added by using the QR code to help in saving more data. The objective of the system outcome is to enhance the current login authentication system. It provides solutions for making password breaking more difficult as well as convinces users to choose and set hard-to-break passwords.

Key words: *OTP, Hashing, Two-factor authentication.*

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Paper ID: ICCIASH-2022/514

DESIGN AND IMPLEMENTATION OF DIGITAL CLOCK

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Abstract:

The purpose of this project is to create a micro-controller based Digital Code Lock that serves the purpose of security. The microcontroller based Digital Code Lock is an access control system that allows only authorized persons to access a restricted area. Security is a prime concern in our day-today life. Everyone wants to be as much secure as possible. An access control for doors forms a vital link in a security chain. The system comprises of a push button keypad connected to the 8-bit microcontroller ATmega328P. The system will allow you to preset a password. The lock will open if and only if the entered password matches the present one. If the entered password is wrong a buzzer will be activated.

Key words: *Digital Code Lock, Microcontroller, LCD Display Interface.*

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Paper ID: ICCIASH-2022/511

FACE RECOGNITION SYSTEM AND TECHNOLOGY

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Abstract:

A face recognition system is one of the biometric information processes, its applicability is easier and working range is wider than other systems like: fingerprint, iris scanning, signatures, etc. The detection methods are designed to extract features of face region out of a digital image. The output face image of the detection algorithm should be similar to the recognition input image. Face detection is performed on live acquired images without any application field in mind. The developed system uses white balance correction. Skin like region segmentation, facial feature extraction and face image extraction on a face candidate. System is also capable of detecting multiple faces in live acquired images.

Key words: *face, detection, facial feature, extraction.*

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Paper ID: ICCIASH-2022/331

Online food ordering system

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Abstract:

The purpose of Online Food Ordering System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with . Online Food Ordering System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information. The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

Key words: *automate, computerized equipment's, software, data/information.*

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Paper ID: ICCIASH-2022/335

COVID -19 AUTHENTICATION SYSTEM

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Abstract:

Covid-19 is one of the biggest pandemic till date, by which people are afraid to come out of their houses, travel to other places, send children to school and to buy food or groceries from shops. there are certain precautions we must follow in order to avoid covid they are wearing masks, using sanitizers, maintaining social distances with people, not touching the face frequently etc. in this kind of situation mall/shop owners also need to provide safety to the customers like allowing limited no of people into shops/malls, check whether customers are wearing masks and maintaining social distance or not. to check the above safety measures we use technology instead of using people we use machine learning, computer vision and iot. whenever a person enters any premises he or she will be checked using a camera whether the person is wearing the mask or not, body temperature of the person is also detected and if the person is wearing a mask and body temperature is in limit then the person is allowed into the premises. this also keeps count of the people coming into the premises if the count exceeds then the person is not allowed.

Key words: *PYTHON, CNN.*

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Paper ID: ICCIASH-2022/339

Automatic Advanced Railway gate control system

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Abstract:

This paper aims to provide an automatic railway gate at the level crossing replacing the gates operated by the gate keeper by detecting train and stuck on the level crossing, generating corresponding alert signal and controlling the gate. The solution is provided by developing a train detection module, stuck detection module, signal light module, alarm module, railway gate controller and a controller module. There are only four ultrasonic sensors in the train detection module and one ultrasonic sensor in stuck detection module. Both, train detection and stuck detection module generate high frequency signal through the ultrasonic sensors and detect the presence of object if the echo is received back by the sensors. Then the controller unit determines whether the obstacle is train or stuck and takes necessary steps by controlling the gate, alarm generator and signal light

Key words: *Ultra Sonic sensor, Stuck Detection Module.*

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Paper ID: ICCIASH-2022/322

BUS RESERVATION SYSTEM

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Abstract:

Traveling is a large growing business across all countries. Bus reservation system deals with maintenance of records of details of each passenger. It also includes maintenance of information like schedule and details of each bus. We observed the working of the Bus reservation system and after going through it, we get to know that there are many operations, which they have to do manually. It takes a lot of time and causing many errors while data entry. Due to this, sometimes a lot of problems occur and they were facing many disputes with customers. To solve the above problem, and further maintaining records of passenger details, seat availability, price per seat, bill generation and other things, we are offering this proposal of computerized reservation system By using this software, we can reserve tickets from any part of the world, through telephone lines, via internet. Customer can check availability of bus and reserve selective seats. The project provides and checks all sorts of constraints so that user does give only useful data and thus validation is done in an effective way.

Key words: *JAVA SCRIPT, Eclipse.*

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Paper ID: ICCIASH-2022/441

AUTOMATIC CAR PARKING SYSTEM USING ARDUINO

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Abstract:

In the early times the concept of the smart cities has the great popularity. In order to decrease parking problem, we are going to make an Automatic car parking system using Arduino. For detecting the movement of the vehicles we are using IR sensors and display the parking status using LCD. We are producing this project for availability of single parking space. This is an IOT based, which can be detect the empty slots and display on the LCD screen. The system is capable of finding and knowing all the information about the parking space. It will helps the people to reduce the time of searching. It is also helpful to the people to find the empty slot easily. If the slot is empty in the automated car parking the new vehicles are allowed to park otherwise they will be blocked by using servo barrier. As a conclusion, this project will help in reducing the amount of the time a driver has to spend around the parking just to find a available slot. So, reducing the amount of traffic around the parking and also reducing the bad parking around the parking space.

Key words: *IOT, ARDUINO & LCD.*

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Paper ID: ICCIASH-2022/437

SMART STICK FOR BLIND USING ARDUINO

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Abstract:

Blind person finds it difficult to detect the presence of any obstacles in their way. The main aim of this initiative is to enable the blind navigate with confidence and to be alert if their route becomes obstructed with any other things (or) people (or) relate odds. We are designing the project using ultra sonic sensor which senses the obstacles from any distance where vibration motor gets activated and produces a vibration when the obstacle is detected, which makes the blind to walk easily and comfortably. It is easily foldable and holdable, with less power consumption and lighter in weight.

Key words: *ultrasonic sensor, vibration motor.*

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Paper ID: ICCIASH-2022/550

IMPLEMENTATION AND EVALUATION OF LINE FOLLOWER ROBOT

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Abstract:

The line follower robot is a mobile machine that can detect and follow the line drawn on the floor. Generally, the path is predefined and can be either visible like a black line on a white surface with high contrasted color or it can be invisible magnetic field . Therefore this kind of robot should sense the line with its infrared ray (IR) sensors that installed under the robot . After that , the data is transmitted to the processor by specific transition buses . Hence, the processor is going to decide the proper commands and then it sends them to driver and thus the path will be followed by the line follower robot. Therefore this kind of robot should sense the line with its infrared ray (IR) sensors that installed under the robot. After that the data is transmitted to the processor by specific transition buses . Hence , the processor is going to decide the proper commands and then it sends them to driver and thus the path will be followed by the line follower robot.

Key words: *Black line , White surface , Robot , IR sensors.*

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Paper ID: ICCIASH-2022/548

Task-Based Artificial Conversation Entity (CHATBOT)

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Abstract:

Digitalization, the surge of mobiles and internet connected devices has revolutionized the way people interact with each other and with businesses. And one such way, the communication has been revolutionized is through chatbots. A chatbot can be described as a software that can chat with people using Artificial Intelligence. This software is used to perform tasks such as quickly responding to users, helping them purchase products and many such requests. Alexa, Google Assistant and Siri have introduced us to the advanced world of voice operated chatbots which are data driven and predictive chatbots that are more interactive and sophisticated. In this project we look into task based chatbots which are single purpose programs that focus on performing one function, using Natural Language Processing and very little Machine learning they generate automated responses to user inquiries. Interactions with these chatbots are highly specific and structured and are most applicable to support and service functions. This project is aimed to implement a web-based chatbot to assist with customer services and the goal is to provide personal and efficient communication between the client and their server to get assistance when needed.

Key words: *Chatbot, Artificial Intelligence, Natural Language Processing, Machine learning.*

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Paper ID: ICCIASH-2022/628

HAND CLAP COUNTER

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Abstract:

This article explains the concept behind interfacing a sound sensor with the 8051 microcontroller (AT89C51). This project increases the count by one every time a sound is produced. It works well with the sound of a clap. The number of claps is displayed on an LCD module.

The circuit consists of four modules, namely, a sound sensor, an amplifying circuit, a control circuit and a display module. The code for interfacing the sound sensor with the MCU is written in C language.

Key words: *clap sensor, capacitor, clap switch.*

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Paper ID: ICCIASH-2022/419

AUTOMATIC STREET LIGHT USING LDR AND RELAY

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Abstract:

The existing lighting control system was developed uniquely for the target centre at the time of construction and is one-of-a-kind systems. Our country is suffering from power crisis for a long time. Although some times because of our ignorance, we see street lights are ON in the day. So, we always suffer from this electricity crisis. By using automation to our street lights controlling system, we cannot only save our energy but also save human labor. Here we will show how we can make a controlling system easily by using LDR and Relay as well as some other components. The present system is like the street lights will be switched ON in the evening before the sun sets and they are switched OFF the next day morning after there is sufficient light on the roads. As a result, the electricity waste occurs greatly all over the country. But the actual timings for these street lights to be switched on when there is absolute darkness.

Key words: *LDR, RELAY.*

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Paper ID: ICCIASH-2022/410

POLICE LIGHT USING 555 TIMER IC

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Abstract:

Police lights are flashing lights. which are a type of emergency vehicle lighting. you can also find similar flashing lights in ambulances and other departments, military vehicles, police cars, fire vehicles… etc. They are visually captivating and often convey the state of urgency of their task to the other road users. In this electronic project, we will make a simple police led flasher with two 555 timer integrated circuits .In this project we will just take visual aspect of the police light and implement them in our own way. The police lights circuit is designed by the use of 555 timer IC and 4017 decade IC. The 555 timer IC runs in ASTABLE mode. Decade counter (IC 4017) count the incoming pulses and activates its outputs.

Key words: *4017 decade IC, 555 timer IC.*

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Paper ID: ICCIASH-2022/744

A Comparative Study on performance of mutual funds with SBI bank

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Abstract:

Today's mutual fund industry is characterized by cut throat competition, so it is very important for a company, which offers a basket of offerings, to design clear cut strategies. The project that I had worked upon in my training provided a lot of scope to learn, right from the basics, about the investment opportunities available in mutual funds in India, various factors involved in selecting an investment option. It further included a market research where I interacted with different people, to gain more knowledge about the different investment opportunities in India. The research work contains a comprehensive study of the Mutual Funds in India and how it emerged as one of the most rapidly growing investment avenue. The project also involves some practical learning of working in the bank as well. It involves interaction with the customers that walk in to the bank to understand their needs to invest in which fund and market, and to draw out the information which is necessary. I tried to introduce different marketing strategies and put up new ideas to attract more customers that helped SBI MUTUAL FUND the sales process and to generate leads. Finally, it included a market research using questionnaires to find out awareness of mutual funds among people as compared to other investment avenues. I also need to find out the various investment avenues of people.

Key words: *Investment, Mutual Funds, Private Sector.*

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Paper ID: ICCIASH-2022/432

FAN AND LIGHT CONTROLLING USING BLUETOOTH

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Abstract:

How do we use a fan, we usually turn on the fan manually. But if the control is in your hands the speed control would be easy. Because there is no need to go near switch board and very fan speed of fan remotely. We use the combination of microcontroller and bluetooth connectivity to achieve the purpose to control the speed of the fan. The use of automation to monitor and control electrical appliances at home and offices has been on the increase in recent times. This paper presents an Android. Based home automation system that allows users to control the speed of AC fan through an Android the really through that communicates with the microcontroller, the results, relays provide the switch mechanism and the temperature and the fan speed. The results obtained slows that the work meets the design target.

Key words: *ANDROID.*

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Paper ID: ICCIASH-2022/459

METAL DETECTOR CIRCUIT

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Abstract:

Metal detectors are fascination machines. Many of the people who use them are just as enthusiastic about extolling the virtues of their favorite metal detector as they are about setting off in search of buried treasure. This is the primary means by which we determine how well we are doing our jobs, and what sort of things we need to do better. Sometimes though, communication is difficult. The most commonly used metal detection technology is very low frequency (VLF), also known as induction balance. In this type of metal detector, there are two rings: an outer coil called the transmitter coil and an inner coil called the receiver coil. The transmitter coil has an electric current running through it, which creates an electromagnetic field. This magnetic pulse interacts with any conductive object it passes over, causing that object to create a weaker magnetic field of its own; it is this magnetic pulse from the object that the receiver coil senses. The receiver coil is shielded from the transmitter coil's magnetic field, but can pick up magnetic pulses sent by other objects. The receiver coil amplifies these frequencies and sends them to the control box for analysis.

Key words: *NPN, Proximity sensor.*

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Paper ID: ICCIASH-2022/202

SMART BLIND STICK

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Abstract:

The smart Blind Stick helps blind people to perform navigation and to do their work easily and comfortably. In normal stick, the detection of the obstacle is not done and normal stick is not efficient for visually impaired persons. Because the blind person does not know what type of things or what type of the objects come in front of him or her. The person cannot recognize what is the size of that object and how far is he/she from the object. It is difficult for blind person to move here and there. In smart walking stick, the object is detected with the help of a Ultra Sonic Sensor . If any obstacle comes in front of blind person, he/she can know about the obstacle by hearing the sound generated by the Buzzer. The system is very useful for people who are visually impaired and are often need help from others.

Key words: *Ultra Sonic Sensor, Buzzer.*

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Paper ID: ICCIASH-2022/453

CLAP OPERATED SWITCH CIRCUIT

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Abstract:

A clap operated switch circuit is a device that operates other electrical devices on the basis of a clap sound. It can be any form of sound like finger taps, claps etc. The main design and concept of this device is that when there is a clap sound in the near by radar with the sensor's range, it catches the signals and switchs on the given electrical device and on making a clap sound again, it switchs it off. This device is used in most of the automated or smart functional devices.when we make a clap sound in the provided radar the microphone used in it takes up the sound waves and switchs on the electrical circuit.Now, on claping once again it would switch off the electrical circuit .It is generally used as an indication for false alarm triggers.The deivce is inexpensive and time saving.It is helpful for the handicapped.It reduces the effort for basic things or needs regarding electrical appliances.

Key words: *clap operator, radar.*

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Paper ID: ICCIASH-2022/436

AUTOMATIC PLANT WATERING SYSTEM USING ARDUINO

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Abstract:

The project uses for turning on and off of plant watering system automatically. Now-a-days gardening is an art to create an atmosphere in our house but the main problem is the time management for watering the plants. Especially when people are away from home for few days, then there is a problem for watering the plants. In this technology era when people depend on technology to make their work easier and more efficient, then why not there has been a system that automatically waters the garden and plants without depending on someone. When no one is at home our system works to water the plants depending on the soil moisture automatically.

Key words:

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Paper ID: ICCIASH-2022/201

LASER SECURITY ALARM

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Abstract:

The project deals with a model of laser security alarm system. Now there are dozens of different security systems on the market that utilize lasers and can effectively protect everything from small apartments and business of large areas of property. Laser security system is a type of security and alarm system that uses laser light and light sensor. It is known as that a laser light goes through long distance without any scattering effect (disturbing) and it is only visible at source and the destination point so it can be used as a mediator between source and destination but to analysis the source a sensor is needed, here the use of LDR is applicable. Just analysis is not enough alerting should be done, in general alerting is sound effect, so here buzzer is used for alerting. There is laser diode that generates laser beam which continuously strikes over the light dependent resistor sensors. When any object passes or crosses the path it inhibits the laser to reach LDR and the sensor generate a low which is read by the controller to power on the buzzer.

Key words: *Laser, Laserdiode, LDR, Buzzer.*

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Paper ID: ICCIASH-2022/544

WEATHER FORECASTING APPLICATION

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Abstract:

In this Python project, we will write a python app that will collect weather information such as current temperature, pressure, humidity, wind speed, weather description and many others, of any city on the earth, using Open Weather Map API(Application programming interface). We can find these weather information in real time by just typing the city name. We will be able to get the data about only those places which are listed (or supported) by Open Weather Map website. For getting information from Open Weather Map first we should create a free account in the website, so that we can get a API key. We can send a information request to the website by using the API key and in return we get a lot of information like Temperature, Pressure, Wind speed, Humidity,etc. The information can be used for displaying the Temperature. This application is build on Tkinter a module in python which is used for basic GUI development.

Key words: *API, API key, GUI, Tkinter.*

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Paper ID: ICCIASH-2022/543

BANK MANAGEMENT SYSTEM USING C LANGAUGE

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Abstract:

The Bank Account Management System is an application for maintaining a person's account in a bank. In this project we tried to show the working of a banking account system and cover the basic functionality of a Bank Account Management System. To develop a project for solving financial applications of a customer in banking environment in order to nurture the needs of an end banking user by providing various ways to perform banking task also to enable the user's work space to have additional functionalities which are not provided under a conventional banking project. The Bank Management System undertaken as a project is based on relevant technologies. The main aim of this project is to develop software for Bank Management. This project has been developed to carry out the processes easily and quickly, which is not possible with the manuals systems, which are overcome by this software. The project analyses the system requirements and then comes up with the requirements specifications. It studies other related systems and then come up with system specifications. The system is then designed in accordance with specifications to satisfy the requirements. The system is designed as an interactive and content management system. The content management system deals with data entry, validation confirm and updating while the interactive system deals with system interaction with the administration and users. Thus, above features of this project will save transaction time and therefore increase the efficiency of the system.

Key words: *Bank, Transactions.*

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Paper ID: ICCIASH-2022/204

FREE ENERGY GENERATOR

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Abstract:

More than 90% world's power is being generated using electromagnets based on the faraday's law of electro-magnetic induction. Many new technologies were discovered with time which led a drastic change in the perception of electric energy. But at the same time there is misconception of FREE ENERGY. Energy becomes free only at a point after which we don't have to pay for power generation after commissioning the unit. By using the magnetic force of magnets continuous motion (Energy) is generated. We used Neodymium magnets are placed on the fins of the fan which has a capacity of 1-1.4 T.Disc shaped magnets are placed in such a way that all the north poles or south poles are facing one direction. This magnet also produces a magnetic field, so both the magnetic fields repel each other (like poles repel), which causes the fins to move. The free Energy Generator was fitted onto the 2 wheelers in-front. The power extracted was used to charge a mobile battery. Few positive results are motivating us to create a better model to store the energy and use for different necessary applications by using this free energy. In this research paper, the usage of free energy was noticed by using a magnet and few satisfactory results are motivating us to review few research ground work of magnets to create a perfect strong prototype for better applications.

Key words: *Faraday's Law of electro-magnetic induction, Free Energy Generator, Disc.*

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Paper ID: ICCIASH-2022/203

Mini Inverter with Portable Mini Cooler Setup

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Abstract:

Inverter is a power electronic device which converts DC power to AC power at required output voltage and frequency level. The aim of the project is to produce 12V DC power supply into 240V AC output which is used to run the mini cooler. This mini cooler and inverter is portable which can be carried anywhere at any time. This is also useful if there is no current for a long period of time.

Key words: *DC Power, Inverter, Mini Cooler.*

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Paper ID: ICCIASH-2022/516

ENCRYTED PASSWORD MANNEGER

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Abstract:

An application which can create its own implementation of Security handler. For example, a custom Security handler could perform user authorization requiring the presence of a hardware dongle or even feedback from biometric system. In the similar way a 'ENCRYPTED PASSWORD MANAGER' also works like this password manager only gives the output file whenever the key that is set for the file matches with the user input. And these kinds of Security handlers are used whenever a document is opened, the security handler must determine whether a user is authorized to open the file and it must set up the decryption key used to decrypt the file. And also whenever a file is saved using this encryption, The security handler must set up the encryption key and write security information into that file.

Key words: *EPM.*

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Paper ID: ICCIASH-2022/502

Mastermind's Quiz Game

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Abstract:

Nowadays, most of the students have smartphones and tablets, which can support smart applications for mobile devices. Therefore, why not make a profitable use of them in order to review the concepts covered in class. The concept of quizzes is currently very popular among educated circles as well as in entertainment shows. Though the quiz can be conducted manually, it often requires elaborate preparations. Quizzes contribute to the growth of knowledge of an individual and they are a popular source of entertainment. This project is a collection of a number of different types of quizzes like technical games ,sports, etc. There will be a limited number of questions and for each correct answer the user will get a credit score. There are many quiz applications available currently on the internet, but there are few which provide better understanding between user and the application like providing proper answers, uploading user questions as well as answers to it, etc. By this application, the user will come to know his/her level and can learn additional knowledge and can expand their knowledge among the world. Also the user not only improves his/her knowledge but can improve their personality and skills.

Key words: *Quiz, Expand Knowledge, personality improvement, skill development, growth, entertainment, profitable, technical, sports.*

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Paper ID: ICCIASH-2022/333

Student punching system (using c program)

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Abstract:

The project work aims at designing a student attendance system which could effectively manage attendance of students of the department of Computer Science and Engineering allege; In this project work, attendance is marked after student's biometric identification. For student identification, a fingerprint recognition based identification system is used. Fingerprint features are considered to be the best and fastest method for biometric identification. These features are more secure to use and unique for every person that don't change in one's lifetime. Fingerprint recognition is a mature field today, but still identifying individual from a set of enrolled fingerprints is a time taking process. It was very necessary to improve the fingerprint identification system for implementation on large databases, e.g. of an institute or a country. In this project, the minutiae algorithm is used to develop the identification system which is faster in implementation than any other available today in the market. The proposed automated attendance system based on fingerprint recognition was tested on a class of student fingerprint databases and achieved significant results for taking an attendance of the students of the Department of Computer Science and Engineering. The proposed system has been implemented using C programming paradigm platform

Key words: *biometric , fingerprint recognition ,student identification.*

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Paper ID: ICCIASH-2022/611

Student Record Management System

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Abstract:

Students form a main part of any institution that concerns with. But the institutions find it difficult to keep details of so many students of the organization just in one strech. It will involve a lot of pen paper work. Sometimes there will be some huge heap of files bundled up and kept together in some corner of the office. If you want any information regarding the particular student then it can be obtained by just entering the roll number. This student management system will make the work of storing the data in an organized way. The information of the particular student will be obtained in just one mouse click. By this student management system we can easily add any student, view any student, search regarding any student, update any student details and delete any student.

Key words: *CSV, Database.*

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Paper ID: ICCIASH-2022/608

ONLINE VOTING SYSTEM

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Abstract:

Online election system would have candidate registration, document verification, auto generated User ID and pass for candidate and voters. Admin Login which will be handled by election commission. Candidate login which will be handled by candidate voters will get unique ID and Password, using which they can vote for a candidate only once per election. The project is beneficial for Election commission, Voters as the can get to know the candidate background and choose wisely and even for candidate, The software system allow the candidate to login into their profiles and upload all their details including their previous milestone onto the system. The admin can check each candidate details and verify documents, only after verifying candidates ID and password will be generated, and can remove faulty accounts. The software system allow voters to view a list of candidates in their area. The admin has over all rights over the system and can moderate and delete any details not pertaining to Election Rules.

Key words: *Election, Voting, Candidates.*

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Paper ID: ICCIASH-2022/632

Vehicle Management Online System

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Abstract:

Vehicle management system is web application developed in java and it is implemented by using windows appliance. This application provides an easy and simple way to sell or purchase vehicles online. Customers can vie wall the details of the vehicle s and can purchase the details of the vehicle and send a request if he or her wants to purchase the vehicle it is on application for the automotive industry. It helps to register and keep information about all vehicles. A summary can also be generated from this system. Reports can be generated from the data base records. So that the vehicle can be tracked and budget can be seen.

Key words: *GUI, Net Beans, SQL.*

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Paper ID: ICCIASH-2022/546

FAKE NEWS DETECTING USING NATURAL LANGUAGE PROCESSING

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Abstract:

Newspapers and radios are the things of the past, the current generation depends on the internet, specifically social media platforms to stay up to date with the global news. The ease of access, affordability and widespread audience has made these platforms a perfect choice to reach the world. While this has sped up and streamlined news consumption, it is not without drawbacks. The major issue is the proliferation of false/fake news which can have serious repercussions in sensitive matters. Understanding the difference and authenticity of the news is becoming complicated everyday. Social media platforms and online newsletters are responsible for the spread of fake news. However, this problem can be tackled using machine learning techniques and give verifiable news. The paper identifies counterfeit news using Logistic Regression. This model successfully labels a said article as "fake" or "real" with up to 80% accuracy. The paper ends with a review of the model's feasibility and how it would be useful as an impactful mining method as well as proposes the scope of future improvements in the model which will help achieve greater accuracy in the prediction results.

Key words:

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Paper ID: ICCIASH-2022/423

MOKE DETECTOR ALARM CIRCUIT

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Abstract:

In order to detect the smoke we use MQ-2 sensor which is used in sensing the smoke and if the smoke is detected it indicates the fire. Smoke Detectors are very useful devices as the damage caused by fire accidents is catastropic . And LED bulb is glowed when smoke is detected. These are very common in homes ,offices ,schools and industries . These days smoke alarms and smoke cautions are modest as their use is exponding and the expense of assembling is diminishing we utitize a Gas/Smoke sensor for distinguishing smoke.

Key words: *Q2 SENSOR ,LM358.*

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Paper ID: ICCIASH-2022/417

TURN YOUR PHONE INTO IR CONTACTLESS THERMOMETER

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Abstract:

Since the outbreak of COVID-19, it has become essential to regularly monitor the human body temperature without coming into contact with the measuring device so that an infected person can be immediately detected without further spreading the disease (due to contact). As per the need of time, a contactless temperature measuring device such as a thermometer is required everywhere. So today, we will develop a smart Bluetooth-based contactless thermometer with thermal screening capability added to our phones. To transform our phones into a contactless thermometer, first we need to connect our phones to a sensor over Bluetooth for giving us the temperature reading in an app. We can also get the data from the sensor to our phone using USB. Furthermore, the fact is covid-19 patient's first symptom is to check body temperature. The reason why, measuring body temperature is most important, but needs to maintain social distancing. While traditional thermometers can't make sure of social distancing, where our developed contactless thermometer can achieve temperature on display by using ARDUINO NANO as the main control device as well as MLX90614 as the Infrared (IR) thermometer sensor. As a result, compared with the traditional thermometer, it shows strong points such as convenient reading, wide range of temperature measurement, and accuracy where temperature output is displayed digitally besides, it would be used everywhere because of its easy-handling.

Key words: *ARDUINO NANO,*

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Paper ID: ICCIASH-2022/418

Home Automation Using Arduino

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Abstract:

The world is moving fastly towards automation. The main objective of this project is to develop a home automation system using an Arduino being remotely controlled by any Android OS smart phone. As technology is advancing so houses are also getting smarter. Even more it becomes more difficult for the elderly or physically handicapped people to do so. Remote controlled home automation system provides a most modern solution with smart phones. People have less time to handle any work so automation is simple way to handle any device or machine will work to our desire. This aim is to develop and design a Home automation using Arduino with Bluetooth module. Home automation system gives a simple and reliable technology with Android application. Home appliances like fan, Bulb, AC, automatic door lock are controlled by Home automation system using Arduino Uno. The main focuses on the monitor and control of smart home by Android phone and provide a security based smart home, when the people does not present at home. The motive is controlled home appliances in smart home with user friendly, design at low cost, simple installation.

Key words: *Arduino, Smartphone, Security.*

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Paper ID: ICCIASH-2022/428

HEART BEAT SENSOR USING LM358

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Abstract:

A heart rate monitor is an electronic device that allows you to monitor your heart rate (ECG) for later use. They are most commonly used by medical personnel to monitor the heart rate of a patient, but nowadays they are rapidly becoming popular among many fitness centric people as it allows them to keep track of their heart rate during a workout session. heart rate monitor circuit functions on the principleof photoplethysmography: The change in the volume of blood in any organ causing a change in the light intensity through that organ. Here, A Light from an LED will be transmitted through any region of the body such as a finger and will then be received by an IR receiver.

Key words: *Heart beat,heart beat sensor, photoplethysmography, light emiting diode, IR receiver.*

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Paper ID: ICCIASH-2022/566

UNACADEMY E-LEARNING- Join unacademy and pave the path of your success today

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Abstract:

Nowadays we identify ourselves as a society which is conscious and aware of self-security. But in this modern world we cannot totally shield ourselves from the wrongdoers. Each day millions of people fall victim to cybercrime around the globe. Most of these cyber-attacks target a user through their phone details. The victim is attacked with a series of phone calls or SMS and is persuaded to provide money or bank details, these types of scams and frauds are high on rise, these cannot altogether be stopped but a person can protect themselves by blocking the calls. One such app that helps users take care of these scammers and fraudsters is Truecaller application. It is used worldwide to identify caller id and as it displays whether the user is verified or is a potential scammer. Thus, protects people to an extent from falling for the cyberattacks. However, Truecaller does not have a website which can increase protection by manifolds. Now we proposed a system that will allow people to access truecaller's caller id checking feature on the web, through our truecaller website. The website will make it easy to access the features such as spam call identification, call blocking and caller reporting among others. Ultimately increasing cyber security by manifolds.

Key words: *Cyber Attack, Truecaller, Caller id., Cyber Security.*

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Paper ID: ICCIASH-2022/425

CONTROLLING LED USING WIFI

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Abstract:

In this project we can control LED using WiFi through smart phones. This project involves IOT (Internet Of Things). IOT is one such area which can be implemented using variety of modules connected to a microcontroller like Arduino UNO and ESP8266 WiFi module to access the data from anywhere in the vicinity of the range of the connected WiFi.

Basically controlling devices wirelessly through smart phones via Bluetooth comes under a category which is completely different from this project. In this project we connect devices trough WiFi. We use major components like Arduino UNO and ESP8266 WiFi module and other minor components like resistors, LEDs and push buttons.

Key words: *IoT, Arduino UNO,ESP8266 WiFi module.*

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Paper ID: ICCIASH-2022/424

AUTOMATIC WASHROOM LIGHT SWITCH

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Abstract:

This paper presents the electronic triggering of automatic washroom light switching which replaces manual switching of washroom light. Using microprocessor and PNP transistor the switching control is done. It has been established that automatic washroom light controller using motion sensor was commercially productive but with few drawbacks listing high power consumption and cost effective which has been replaced by automatic electronic triggering.

Today electricity losses in our daily life are very common. So we have decided to take a step towards minimization of power losses in daily life. Automatic Washroom Light Switch was with decade counter CD4017 was built to work intelligently for switching purposes. It ON/OFF light accordingly and thus saves power losses.

Key words: *Decade counter (CD4017), PNP.*

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Paper ID: ICCIASH-2022/431

LPG GAS LEAKAGE DETECTOR USING ARDUINO

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Abstract:

A gas leak refers to an unintended leak of natural gas or another gaseous product from a pipeline or other containment into any area where the gas should not be present. Gas leakage can be hazardous to health as well as the environment. Even a small leak into a building or other confined space may gradually build up an explosive or lethal concentration of gas into the atmosphere are especially harmful to global warming. For that sake, an alarm unit is used to vibrate an alarm which is buzzer. Buzzer gives an audible sign of the presence of LPG volume. The sensors are widely used to detect essence of propane, iso-butane, LPG and even smoke. The sensor has an advantage to combine a sensitivity response time. If the LPG sensor senses gas leak from work place or home, sensor output goes to active low condition. Arduino NANO is used in the project; low signals are overlooked by the Arduino and gas leakage is been noticed by the Arduino. The Arduino NANO turns on the buzzer. It even turns on the LCD display modem after that, it continues to give buzzer and a related message on LCD display. This, work this help society to specifically indicate gas leakage.

Key words: *Arduino Nano , Potentiometer, perf board.*

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Paper ID: ICCIASH-2022/421

CONTROLLING LED USING 555 TIMER

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Abstract:

A dancing LED light can be easily constructed using a 555 timer wired in an Astable Multivibrator mode. The circuit blinks two LED's alternatively with some delays. The period of Oscillation is determined by the RC time constant of the circuit. The blinking LED circuit uses a 555 timer in an a stable mode, which generates a continuous output in the form of a square wave. This waveform will turn LED ON and OFF. The duration of ON/OFF depends on the time cycle of the square wave.

Key words: *555 TIMER,LED.*

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Paper ID: ICCIASH-2022/422

HEALTH MONITORING SYSTEM USING ARDUINO UNO

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Abstract:

This health monitoring system is a very useful system, which can be used to monitor the health parameters of the patient. This system continuously monitors the temperature reading of the patient. In this health monitoring system project, we use Arduino UNO and LCD display to display the parameters, as the display has a greater viewing distance. We can select the upper limit and lower limit for the temperature. While monitoring, if the temperature is increased beyond the set high limit or is decreased below the set limit then the LED bulb will glow. This all functions are controlled by Arduino UNO. This LED bulb can help the patient's well-wishers to take action in an emergency. When the temperature come into control the LED bulb turns off.

Key words: *Arduino UNO, Temperature sensor, LED.*

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Paper ID: ICCIASH-2022/420

AUTOMATIC SMOKE DETECTOR ALARM USING IOT

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Abstract:

The design development and deployment of an IOT based real time embedded system for gas-smoke detection system with an automatic alarm system .The proposed GASMOD system consist of four major components.MQ-2 smoke sensor for smoke concentration detection. MQ-5 gas sensor for gas concentration detection .Two led displays modules which displays whether or not gas and or smoke has been detected .An automatic electronic alarm system which incorporates a 25-watt audio power amplifier that is triggered whenever gas and smoke is detected .The proposed GASMOD system can be updated and deployed in environments to monitor the concentration of hazardous gas and smoke in homes industrial, amongst others against an acceptable prescribed threshold values.

Key words: *MQ5sensor, 555 timer IC, relay, etc.*

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Paper ID: ICCIASH-2022/430

FAN AND LIGHT CONTROLLING WITH WIFI

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Abstract:

To solve the problem of intelligent remote control of building lighting, this paper proposes an intelligent lighting control system based on WiFi and Arduino single chip microcomputer. With a single-chip processor as the core controller, the system uses light and infrared sensors to separately detect the intensity and number of lights in the building. A dynamic. electromagnetic relay controlled light turned on or off depending on the light intensity and the number of people in the education building. Mobile phone clients can use her WiFi module for mediation to realize remote operation of indoor lighting devices. The design is simple and practical, making it easy to distribute the to all kinds of school classrooms and office buildings with intelligent remote control.

Key words: *Arduino UNO, WIFI Module ESP8266,LCD display.*

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Paper ID: ICCIASH-2022/309

BIOMETRIC AUTHENTICATION USING ELECTROCARDIOGRAM

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Abstract:

Biometric systems are increasingly being adopted to improve security, convenience, and inclusion in society and to provide potential applications in various research and industrial fields. There are some biometric authentications like face recognition, finger print and voice recognitions. Beside of this they have some limitations like unauthorized person can hack it

To overcome the limitations of traditional Biometric systems, Electrocardiogram (ECG)have received the most attention from the Biometric community due to the highly individualized nature of ECG signals and the fact that they are ubiquitous and difficult to counterfeit. This project introduces a frame work for how to appropriately adopt and adjust machine learning (ML) Techniques used to construct the Electrocardiogram (ECG)-based Biometric authentication schemes.

Key words: *Biometric authentication, Electrocardiogram, Information security.*

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Paper ID: ICCIASH-2022/451

PANIC ALARM USING 555 TIMER

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Abstract:

A Panic Alarm Circuit is used to send an emergency signal immediately to the people in nearby location to call for help or to alert them. The possible panic situation can be any; it is not restricted to few situations. One could possibly keep the push button at a hand reachable distance or comfortable place it to carry out quick action in silence by pressing a single button. The indication of emergency can either be in the form of visible or audible signal, which can be fixed at a few meters away through wire. Also, this can be done using low cost components. The key component we use here is a 555 timer IC. So, we have used a transistor BC547 as control switch whose control pin requires only small current which in turn handles more current. The BC547 can be replaced by any other NPN transistor part according to the voltage and current rating of the alarm and light used.

Key words: *555 Timer, Transistor.*

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Paper ID: ICCIASH-2022/455

DARK/LIGHT DETECTOR USING 555 TIMER AND LDR

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Abstract:

Light detectors are generally used to detect light. They are designed to convert low light energy levels into an electric signal of reasonable amplitude and hence detecting the light falling on the assembly. They are passive devices which convert IR or Visible light Radiations into an electrical signal and are used to measure changes in the light waves that have interacted with the body. There are various types of Light detectors. They are convenient devices which have evolved from a very low level to a high complex level of integrity. They are handy devices, and also will have a huge impact on the future development due to their high integrity, low power consumption and miniaturization . They are not only useful, but also are a very important aspect in the development of mankind due to their use in almost every consumer electronics , automobiles , and security aspects. With the light detectors it is easy to integrate with lighting systems such as automatic lighting systems. LDR based Light sensors are a flexible solution as they are available in various shapes and sizes and require a small voltage and power for Operation. A simple light detector can be made using a 555 timer and an LDR circuit. The Device senses light around its surroundings automatically when power is supplied. If no light is detected it triggers the IC whichin turn makes the LED glow. The LED can be switched with a Buzzer also. All together Light detectors are simple devices with a complex working which are extremely useful for the mankind's development.

Key words: *LDR, IR, Miniaturization, 555 Timer.*

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Paper ID: ICCIASH-2022/547

Vehicle Thievery Detection System Using Internet of things (IOT)

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Abstract:

Property crimes are have become more predominant, around 10 million annually. Of this, vehicle thievery tops the list and often occurs in all parts of the world. There are so many new technologies evolving and new methods are being upgraded to overcome this issue. The methods involved in vehicle theft detection have become aware to everyone including the robbers and they try to break into and steal the vehicle. This paper proposes a system presenting a software to minimize vehicle thefts. The system provides security by sending an alert notification as soon as the vehicle is stolen or moved without knowledge of owner. System also offers location updates periodically to the registered user through internet of things .This amenities for theft vehicle tracking is provided by GPS technology by sending location . GSM technology is used to send an notification to alert the owner when the vehicle is started .This complete system is designed taking in consideration the low range vehicles to provide them required security.

Key words: *IOT ,GPS,GSM.*

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Paper ID: ICCIASH-2022/614

JARVIS-DESKTOP ASSISTANT

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Abstract:

This project JARVIS-A desktop assistant, can send email on your behalf, play music for you, can do Wikipedia searches for you, etc. Actually a desktop assistant is a software agent that makes your life easier by automating some mumdane , daily tasks. It's an AI without any algorithm. It is a voice based assistant which is developed in python programming language. This is a desktop assistant that is controlled and performs different tasks like telling time, google search, playing a videos on youtube, setting a reminder and many more.

Key words: *mumdane.*

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Paper ID: ICCIASH-2022/457

PHOTO SWITCH CIRCUIT

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Abstract:

Photo switch is a sensor that detects the presence or absence of light. It is known as Photocell or Photo resistor. Photocell is a sensor that changes its resistance when the light shines on it. A high intensity of light incident on the surface will cause a lower resistance. Where as a lower intensity of light will cause a higher resistance. It works same as the switch, but the difference is it works based on the presence and absence of light. The presence and absence of light decides the on and off of the device. The main function of this is to detect light when a light is on, otherwise whenever the sun is out (sunset). These are used in dusk-to-dawn lights. The main advantage of Photo Switch is that they are small, inexpensive, low-power, easy to use and don't wear out. This can be used by connecting to an electrical or electronic circuit in an extensive range of applications like sunset to sunrise lighting that mechanically turns on whenever intensity of light is low. These are also used in other applications like intruder alarms and also automatic doors. They are used as switches as well as sensors.

Key words: *Sensor, Photo resistor, Switch, Integrated Circuit.*

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Paper ID: ICCIASH-2022/302

Mini conveyer using Geneva mechanism

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Abstract:

Geneva mechanism is a system to convert continuous circular motion into fixed step circular motion. Fixed step circular motion in other words means a circular motion produced in equal spaces of time and resulting in the same displacement which is a requirement in many automation industries. A conveyer belt is simply a linear belt mostly made up of rubber (of greater stability). It has a basic function of transporting raw material/ material in process of manufacturing. A simple Geneva mechanism consists of a drive wheel and a driven wheel. The drive wheel is a disk with a pin or a shaft near it's circumference. The driven wheel consists of several slots. The drive wheel is kept next to the driven wheel in such a way that when the drive wheel is rotated, the pin or shaft fits inside the slot. As it reaches the bottom most point of the slot, the pin exerts a force on the driven wheel. As the driven wheel is pivoted from the centre, there will be a generation of a moment. This causes the generation of a torque which rotates the driven wheel. Hence there is a fixed step circular motion. There are several types of Geneva rotator such as external Geneva rotator, internal Geneva rotator and spherical Geneva rotator. Geneva mechanism is one of the most simple and inexpensive mechanisms. The mechanism used for conveyer belt is an external Geneva mechanism. This mechanism gives out production of jerks or instantaneous change in acceleration. The mechanism has various applications in many industries especially the automation/automobile industry. Modern day film projectors use a variation of this mechanism to power a motor which is used for fast forwarding. In short the Geneva mechanism converts continuous rotatory motion of the drive wheel to intermittent rotatory motion of the gear. A cheap, convenient and a simple mechanism with a variety of applications.

Key words: *Forklift Training, Birmingham Belt, Conveyor Roller Conveyor, Materials Handling Conveyor*

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Paper ID: ICCIASH-2022/303

AUTOMATIC MECHANICAL GARAGE DOOR OPENER

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Abstract:

Here we propose a fully automatic garage door opener project system. To achieve the design and fabrication of an automated garage door opener system we use a large screw with fabricated door belt, pulley, connecting rods, fixtures, mounts, motor and supporting frame. Proposed system will use a fabricate mini door mounted on the threaded screw to efficiently transfer motor power for achieving radial motion of the door. We use a pulley and belt arrangement in order to drive the screw by transferring motor power to the screw. The screw rotation moves the door in desired direction using threading. We use a switch to run the motor in desired direction for both way motion.

Key words: *Radiographic testing, micro structure testing, Ultrasonic testing, tensile testing, crack analysis.*

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Paper ID: ICCIASH-2022/301

WOODEN AIR ENGINE

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Abstract:

The Engine is made completely from wood , and bearing are used to keep it intact and together. making something bigger which doesn't use fuel to generate energy. Renewable energy technologies are clean sources of energy that have a much lower environmental impact than conventional energy technologies. Future Energy Technology In the future, civilization will be forced to research and develop alternative energy sources. Our current rate of fossil fuel usage will lead to an energy crisis this century. In order to survive the energy crisis many companies in the energy industry are inventing new ways to extract energy from renewable sources. While the rate of development is slow, mainstream awareness and government pressures are growing.

Key words: *baltic birch plywood crankshaft sliding valve glossy sections reinforcing plates flywheel.*

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Paper ID: ICCIASH-2022/104

Experimental Study on Mechanical Properties of Concrete Brick by partial replacement of Cement with Eggshell Powder

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Abstract:

In the past ten years, extensive research has been done on waste management in the concrete industry. For both environmental and financial reasons, efficient bio-waste disposal has grown in importance in our society. A low-cost and effective technique to reduce waste disposal and prevent significant contamination is eggshell recovery from hatcheries, homes, bakeries, and enterprises. Garbage made from egg shells contains both organic and inorganic components that can be composted with other materials to enhance the characteristics of already-existing products. Effective building at a fair price is the primary goal of every civil sector. The objective of this study is to assess the effects of using eggshell powder in place of cement in the production of concrete bricks. Various ratios, such as, partially replace eggshell powder Standard concrete of grade M 25 has been produced using 5, 10, 15, and 20 percentages as an alternative to ordinary Portland cement in the design mix %. The data indicate that concrete's compressive and flexural strengths have significantly improved. In addition, the data analysis from this experiment indicates that 10% of oven-dried eggshell powder is the ideal amount for use as a partial cement substitute.

Key words: *Egg shell power, Compressive strength, Flexural strength.*

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Paper ID: ICCIASH-2022/105

LOW COST ROOFING TILES PREPARED BY USING WASTE TETRA PACKS & MILK SACHETS

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Abstract:

The scenario of living in huts in slum areas is becoming very difficult day by day due to vast change in climate. Replacing the ordinary huts and conventional poor class roofs with much efficient alternate roof cover is being the most required. On the other side, proper and efficient disposal of tetra pack is being the key factor in solid waste management in most of the Indian States. Having both the problems in a single line, in this project we to have prepare and evaluate the performance of low cost roofing tiles by used tetra pack as raw material. Based on the results, it is suggested that we can efficiently replace significant quantity of river sand in making roofing tiles with the tetra pack in appropriate propositions which gave compressive strength as similar as before replacement. Predicted application as temporary shelters in flooding areas low,cost pipelines as partition boards and sun shades. By replacing the river sand in making roofing tiles would reduce its manufacturing cost as well as selling price and makes it more affordable .Thus preparation of such sand replaced roof tiles will significantly reflect healthy environmental and economic benefits.

Key words: *Roofing tiles, Partial sand replacement, Compressive strength, sun shades, partition boards.*

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Paper ID: ICCIASH-2022/103

MANUFACTURING OF TRANSPARENT CONCRETE

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Abstract:

Transparent concrete is the new type of concrete introduced in modern era which carries special property of light transmitting due to presence of glass rods & is also known as translucent concrete or light transmitting concrete. It is lighter than conventional concrete having special features such as low density and thermal conductivity with main advantage of reduction in dead weight, faster building rate in construction, lower haulage & handling cost. Light is transmitted from one surface of the brick wall to the other due to glass rods along the overall width of the wall which allows light to pass through. An optical glass fibre (or optical fibre) is a flexible, transparent fibre made of glass (silica) or plastic, slightly thicker than a human hair & can function as waveguide, or "light pipe" to transmit light between the two ends. Main aim of the study is to design translucent concrete blocks with the use of glass rods with sand & cement then analyse their various physical & engineering properties with respect to conventional concrete blocks by adding glass rods of 1%, 2 %, 3 % 4 % 5% at 1.5 cms spacing respectively. From the study, it can be concluded that there is 5% to 10% increase in initial compressive strength for 7 days & also 10% to 15% increase in initial compressive strength for 28 days to a glass rod mix of up to 3% Whereas the initial & final characteristic compressive strength gradually decreases with an increase in glass rods in the concrete mix.

Key words: *Transclucent, compressive strength, conventional concrete.*

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Paper ID: ICCIASH-2022/106

Soil Stabilization using Waste Cotton Clothes Coated with Bitumen

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Abstract:

Properties of soil can be enhanced by using different stabilization techniques. Synthetic fibre clothes have a high tensile Strength as compare to natural fibers. In this study waste Synthetic fibre clothes coated with bitumen were used for stabilization of soil. As waste Synthetic fibre clothes are cost effective and eco-friendly, they can be modified and used as effective reinforcement material/stabilizer. Experiment was carried out by adding 1% and 2% of waste cotton cloth coated with bitumen to improve its strength characteristics.

Key words: *Synthetic fibre, compressive strength, soil stabilization.*

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Paper ID: ICCIASH-2022/101

Residential G+2 Building Layout Planning, Design, and Estimation

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Abstract:

Layout planning is a component of urban development that encompasses the design of residential homes, commercial complexes, service roads, main health care centres, schools, and other facilities. Sewerage system for the entire layout (including treatment and disposal). Water distribution system (sewer line, storm water drains). This project entails home design and estimate. Building on plot of intended layout Designing entails recognising the loads and forces acting on a structure. Perform analysis to get moments and shear forces on the stresses that emerge inside that structure as a result of those loads. distinct structural parts, and then design the structure for ultimate loads and moments Loads might include the structure's own weight, other dead loads, living loads, moving (wheel) loads, wind load, earthquake load, temperature change load, and so on. Estimation entails assessing the quantity of materials needed for the project's construction, as well as the labour needs, and then establishing the total cost of the structure. Prior to work execution

Key words: *Layout planning, Design, and Estimation and G+2 Residential building.*

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Paper ID: ICCIASH-2022/462

DIY LED LIGHT BULB (LED LAMP) CIRCUIT USING 555 TIMER

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Abstract:

An led lamp Or LED light bulb is an electric light that produces light using light emitting diode .In forward bias. It has more energy efficient than equivalent incandescent lamps .led lamps have efficiencies of 200 Lumpen per watt (Lm/w) led lamp have a longer life span compared to incandescent lamps .The principle of led is Electro-luminescense .The light emitting diode is today's most energy efficient and developing lighting technology. Led lights can last for up to 25,000 hrs. Led bulbs produce less carbon than older bulbs, which can be very useful to get rid of the ill effects of global warming. Led's lights are used in street-lights, calculators to TV remotes and traffic signals etc. The advantages of led bulb are It has long life span and energy efficiency. The ability to operate in cold conditions. and the overheating can cause reduced lamp life.

Key words: *200 lumpen.*

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Paper ID: ICCIASH-2022/456

SUPER SENSITIVE INTRUDER ALARM

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Abstract:

A super sensitive intruder circuit is refined to mindful the individual when an outcast attempt to go into the house. In the event that there is a hindrance in front of the IR sensor, it delivers an intruder signal. This interruption signal is given to the speaker to alert the individual. The IR transmitter consistently produces IR (infrared) beams that the IR recipient needs to get. When there is an obstacle in front of the IR sensor, the communicated IR beams are reflected in the IR collector. At the point when the IR beneficiary gets reflected IR beams, the yield of Op-Amp is high. This yield of the op-amp is associated with the reset pin of the 555 timer.

Key words: *IR SENSOR, IC LM358, 555 TIMER.*

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Paper ID: ICCIASH-2022/454

E-Bicycle locking system

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Abstract:

A bicycle lock is a physical security device used on a bicycle to prevent theft. It is generally used to lock the cycle in parking areas, parks, societies etc. These locks are attached between wheels of bicycle. An important difficulty in preventing the theft of a bicycle is that the wheels are easily detachable frame. As well as locks can be easily broken. There is need of a system to get user notified about breaking of lock by intruder. The lock comprises of loop between wheels. When the loop is connected the circuit remains in switch off state. When a intruder tries to brake a lock the circuit triggers a siren so that user can be notified. Future scopes is this project are Vehicle intruder alarms, Mechanical and Electronic immobilizer, Vehicle tracking, Burglar alarm system, Home and bank security systems. It is cost-effective anti-theft system which can be expected to drastically reduce the automobile thefts.

Key words:

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Paper ID: ICCIASH-2022/464

CELL PHONE DETECTOR CIRCUIT

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Abstract:

CELL PHONES are widely used in our world. In every situation, we are communicating with each other at any place at any time. Nowadays, we are getting every information through WhatsApp, Email, SMS, etc. So missing a mobile and using it in a dangerous place can lead to problems. Cell phone detector is a device that can detect active mobile phones (incoming, outing calls and SMS) around them at a range of (0.9 to 3 GHz) by using an antenna based detection system, when it is detected a LED bulb glows indicating the presence of cell phone. As earlier, it has been detected through RF signals and transmitters. The principle behind the cell phone detector circuit is RF signals. Here, we are using an op-amp circuit which is an advanced circuit that gives accurate output. By using this we can prevent usage of cell phones in exam halls, confidential rooms, temples, and so on.

Key words: *Op-amp, RF signals, Transmitter and LED.*

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Paper ID: ICCIASH-2022/438

DIGITAL CLOCK IMPLEMENTATION USING 'C' PROGRAMMING

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Abstract:

Most digital clocks use a seven –segment LED, VFD or LCD for each of four digits. They generally also include other elements to indicate whether the time is AM or PM. Whether or not an alarm is set. It's shows numbers to display the time in a digital format, such as on watch , phone or an alarm clock and some of the clocks have additional display features which include temperature and weather forecast . It use by a computer or other electronic device we can set the time to start any minute or second . The design of a clock circuit includes three units. They are input unit, processing unit and output unit . One of the greatest advantage of using digital clock is it's illuminating feature . Time is illuminated clearly which makes it easier to read at night Red, green and blue colored light are used to display the time on the clocks.

Key words: *Micro controller, LED.*

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Paper ID: ICCIASH-2022/463

DING DONG SOUND GENERATOR CIRCUIT

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Abstract:

Nowadays, door bells are very common in every house. We daily observe different types of door bells are available in the market and they produce different types of music depending on their functionality. One can design their own door bell using simple electronic components. This circuit mainly consists of two 555 timer ICs. First timer IC is operated in astable mode and the frequency of the second is modulated by the first timer.

A stable mode is a free running mode of the 555 timer IC. The 555 timer IC can be operated at required frequency by tuning the RC circuit. In a stable mode, no external triggering is required. This has no stable state.

A Door bell is a signaling device typically placed near a door to a buildings entrance. Which consists of a signal button on another side of the door. It can modify the sounds depending on the application. It is mainly used for security purposes.

Key words: *555 IC timers.*

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Paper ID: ICCIASH-2022/460

10 MINUTES TIMER CIRCUIT

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Abstract:

Timer Circuit are used to produce time slow or late intervals for triggering a load Nowadays these circuits are used in many electronic items like ovens, watches, washing machines are some examples. These circuits are reminder for us or alarm. Time period is set by adjusting the variable Resistors. 10 min timer circuit is a clock that controls the sequence of an event. A timer circuit will let us know how long an Activity take place or how long an Activity takes place, we can use these 10 min timer circuits whenever we want reminder or intimation these circuit can be used. The main function of the 10min timer circuit is to give reminder. They are also used in stop watches where each second's counts.

Key words: *555timer, LED.*

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Paper ID: ICCIASH-2022/450

TOUCH ON-OFF SENSOR CIRCUIT USING 555 TIMER

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Abstract:

The touch on-off sensor circuit In this project a switch is implemented that is turned on and off by touching a wire contact, instead of a regular switch Touch switches have no mechanical parts to wear out, so they last a lot longer than regular switches. Touch switches can be used in places where regular switches would not last, such as wet or very dusty areas. This is achieved by operating a 555 Timer in monostable mode while its trigger point is connected to a touch pad. Human body induced mains supply develops a voltage on the touch pad to trigger the monostable of 555 Timer, the output of which drives a relay for time period as decided by the time constant formed by R and C of the monostable is a network of the circuit .The way in which devices are interlinked, the computations can be processed exclusively by these objects, compouns and the result which was see in the out come in more conglomerate way. With the analyzed results it enlightens new ways for designing of a Search Experience Optimization (SXO), User Experience (UX), and the way how to market the services offered by companies and their end products.

Key words: *monostable mode, SXO, UX .*

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Paper ID: ICCIASH-2022/416

AUTOMATIC HAND SANITIZER

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Abstract:

Hand sanitization is the most useful way to prevent the spread of disease-causing microorganisms. Traditionally, to sanitize and clean our hands, we are using soaps and manual hand soap dispenser. Nowadays, due to advancement in the technology, we have optimized the health-care equipment. Currently used modern equipments are very complex and expensive. This research paper proposes the idea of fully automated sensor-based controlled sanitizer dispenser. This research paper advocates radically different approaches: we aim to fully automate the current technique using alternate components for system, thereby reducing the cost of the product. Our designed automated dispenser can be commercially used to develop a good sanitization approach toward a community. By using IR proximity sensor, DC pump, TIP32C transistor.

Key words: *IOT, big data ,IOB*

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WATER LEVEL CONTROLLER USING 555 TIMER

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Abstract:

Present situation all are facing water problems moreover especially in summer every region facing the droughtness people generally worry about the wastage of water when they switch on the motor and forget to off them more over people due to their negligence most of the water getting wasted in many houses there is unnecessary wastage of water due to Overflow in overhead tanks Water Level controller can provide a solution to this problem our project overcome all this water wastage problems and implemented an efficient automated water level monitoring and controlling system main intense o f this research work is to establish a flexible economic and easy configuration system which can solve water losing problems. Finally our idea may help them in saving water for future.

Key words:

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HIGH POWER CAR VOLTAGE REGULATOR

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Abstract:

In this project we are designing a car voltage regulator where it stabilizes voltage because While traveling recently, my family had trouble powering the 5 smartphones, 2 tablets, and 2 laptop.If you need a power and stable power supply in your car this circuit will fit the bill. It's components are inexpensive and easy to acquire. Although it has a drop of 2 volts, it can handle loads of up to 100 watts at voltages between 1.8V and 10V. The 2 2N3055 transistors handle that power and need to be driven by a transistor. These are controlled with the 741 opamp and the voltage level is controlled with a potentiometer. If you are always going to output the same voltage, you can also set up a voltage divider to the input of the 741. The switch is used to provide the supply voltage, unregulated, if you need the full 12V from the battery.

Key words: *2N3055,IC 741.*

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Paper ID: ICCIASH-2022/613

APPLICATION OF LANGUAGE TRANSLATOR

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Abstract:

A mobile translator is a mobile application that can be utilised for translating from English to any other dialect, and vice versa. In modern times, language interpreters must understand and speak both the language been translated to and verse-visa. This traditional approach used for solving the problem of language differences has not been productive and favourable. Also, the teaching of different languages can be difficult due to language difference problems. The individual will also have to be taught by a tutor who will incur extra expenses and may not be the most efficient and favourable method. Therefore, the study develops an android phone language converter app in other to make learning and language translation easy and facilitates stress-free communication. The proposed language translation uses Google's real-time translation API natural language processing with Java programming language to develop the application. The most used languages globally (i.e., English, Spanish, Arabic, Hindi, French, and Chinese) were used for the android application translation. This application can be useful for Tourists for communication purposes, thus allowing them to integrate with the local people and access the right information. The system will also be able to evaluate language translation to determine their suitability for everyday conversation; given the fact that it is an android application, one will always be willing to use their phone to learn, compared to having them on a computer or learn from a physical tutor when your phone can be your tutor. The application was evaluated based on the classification time the memory usage, and the battery life all through distinctive use

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SMART TRAFFIC LIGHTING SYSTEM USING 555 TIMER

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Abstract:

Traffic congestion is a major concern in many cities. Failure to heed signals poor law enforcement, and bad traffic light management are main factors that have LED to traffic congestion. One of the most important problems in cities is the difficulty of further expanding the existing infrastructures. Having that in mind, the main accessible and available methods for traffic management such as video data analysis, infrared sensors, inductive loop detection, wireless sensors networks and a few other technologies. After many assumptions, theories and usage smart traffic lighting system is introduced.

Smart traffic lights or intelligent traffic lights are a vehicle traffic control system that combines traditional traffic lights with an array of sensors and artificial intelligence to intelligently route vehicle and pedestrian traffic. They can form part of a bigger intelligent transport system. This article aims at analysing and assessing the existing studies against selected factors of comparison. The study achieves these aims by analysing 18 main studies. The research outcomes indicated that there are decent numbers of study that have been proposed in the area of smart traffic.

Key words: *LED, infrared sensors, video data analysis.*

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Paper ID: ICCIASH-2022/508

CUSTOMER RELATIONSHIP MANAGEMENT(CRM) WEB APPLICATION USING SALESFORCE INTEGRATION

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Abstract:

Customer Relationship Management (CRM) is a technology for managing all your company's relationships and interactions with customers and potential customers. CRM is the integration of sales, marketing, service and support strategy, process, people and technology to maximize customer acquisition, value relationships, retention and loyalty. CRM is a shift from traditional marketing as it focuses on the retention of customers in addition to the acquisition of new customers. CRM is a business strategy that aims to understand, anticipate and manage the needs of an organization's current and potential customers. In this we use a tool which is a salesforce integration.

Goal is very simple: focus on creating value for customer and the company over the longer term!!

Key words: *customer interactions salesforce, technology, marketing, retention, strategy.*

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Paper ID: ICCIASH-2022/642

Study of Digital Library - Analyze It's Working and Convey Changes

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Abstract:

The usage of library has increased a lot in nowadays, either online or offline. Reading books and gaining knowledge has fascinated everyone into libraries. Previously libraries were managed manually using notebook and pen which made the work tedious for the library manager. Due to which, digital Library have come into the picture. Digital library is operating digitally i.e., everything is managed digitally including issuing, returning, Giving new book, etc. So practically in a digital library you can access any book from anywhere using a website or an app, it even includes renting or buying a book online from library, which means a soft copy of the book would be given the reader at the same time one can read the book by going to the library also, which gives the user his own flexibility of reading. While renting a book online, one must be signed to the library and the person will able to rent it only for some days or weeks. If the time limit exceeds, the person will automatically be charged of some fine which increases for every day. In the same manner, we have to create a unique bar-code or identification number for every book, which makes finding a particular book easier.

Key words: *digital library, bar-code, online, offline, identification number, website.*

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Paper ID: ICCIASH-2022/740

STUDYING THE CAPITAL BUDGETING OF MARUTI SUZUKI

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Abstract:

Capital Budgeting is the process of identifying, analysing and selecting investment projects whose cash flows are expected beyond one year. It is also called as investment appraisal. It is the planning process used to determine whether an organization's long term investments, major capital, or expenditures are worth pursuing. Capital Budgeting projects,i.e., potential long-term investments, are expected to generate cash flows over several years. The decision to accept or reject a capital budgeting project depends on an analysis of the cash flows generated by the project and its cost.

Management must locate the form's limited resources between competing opportunities (projects), which is one of the main focuses of capital budgeting. Capital budgeting is also concerned with the setting of criteria about which project should receive investment funding to increase the value of the firm, and whether to finance that investment with equity or debt capital. Capital budgeting projects may include a wide variety of different types of investments.

This study is mainly focusing on the capital budgeting of the Maruti suzuki company from 2014-2019 with various ratios like ARR, IRR, PAYBACK RATIO,& PROFITABILITY INDEX.

Key words: *Capital budgeting, investment and profitability.*

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Paper ID: ICCIASH-2022/752

A study on Impact of Internet Banking System and Technology on Indian Banks

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Abstract:

Banks are also organizations that provide customers with completely different banking services and Payment services. Banks are generally understood to be institutions that provide basic banking Services, such as deposits and receipts. There are non-banking institutions that provide banking Services, but dissatisfied banks are a collection of monetary services. A transaction, collectively Referred to as a bank- provided system, provides customers with the full-day cash management Service, the application of account and portfolio transactions. Trade in the Indian state should not Be a hassle exclusively, but be prepared to respond to new challenges from technology as well as a Variety of external and internal factors.

Determine the importance of reliability, convenience, speed, and security. Adopt customer-Provided online banking services. Investigate customer satisfaction with online banking. Determine customer perceptions about security, counterfeit transactions, ATM services, and so on. Identify the potential uses of electronic finance and its importance.

Key words: *Indian Banking Sector*.

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Paper ID: ICCIASH-2022/784

COMPREHENSIVE ANALYSIS OF DIFFERENT RATIOS AT RATIOS AT SBI BANK

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Abstract:

A bank is a financial institution licensed to receive deposits and make loans. Banks may also provide financial services such as wealth management, currency, exchange, and safe deposit boxes. There are two types of the central bank, a scheduled bank, and a non-scheduled bank. There are two types of Scheduled banks, commercial and co-operative, and commercial banks are four types banks, private sector banks, public sector banks, foreign banks, and regional banks. Then SBI is a public sector bank. Global growth continued to remain sluggish ey year. Weaken business environment near-stagnation in growth dynamics. The RBI pressures on banks' profitability and suggest various methods to reduce the unsecured loans and advances, with changes in the social and economic objective of Indian commercial banks profitability of SBI group. It becomes extremely over and finds remedial measures to reduce the profitability in the value of the current banking philosophy. The approach of policy makers towards profitability has changed, with the result that low profits have become a fact of life. Therefore, it is time to concentrate on analyses of the profitability performance. The research presented was conducted at the SBI bank. The objectives of the paper are to study the profitability position and profitability performance of SBI. Five years of data were obtained in the presented research. Statistical tables, graphs, and analysis ratios were used to analyze the information received. It was finally found that the SBI bank's financial performance was good and the dividend payout ratio for the last two years has been seen in Nil. In-depth information in this regard is presented in the present research paper

Key words: *Graphs, Ratio analysis and trend analysis.*

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Paper ID: ICCIASH-2022/7B1

A STUDY ON EMPLOYEE MOTIVATION IN HERO MOTOCORP PVT LTD

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Abstract:

Motivation is the impulse that an individual has in a job or activity to reaching an end goal. This study is undertaken since motivation is an integral part of every employee because everyone joins a job to satisfy one or another need he has. An employee may have either intrinsic or extrinsic desires. Therefore to fulfil his desires he will find sources to satisfy it. It is important for organizations to understand their employees to identify what motivates them. It is vital for HR staff to pinpoint regarding each employee their motivation triggers. A manager has to make appropriate use of motivation to enthuse the employees to follow them. Hence this study focuses on the employee motivation among the employees of HERO MOTOCORP PVT LTD.

Key words: *Motivation, intrinsic or extrinsic.*

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Paper ID: ICCIASH-2022/901

ECO-FEMINIST PERSPECTIVE ON THE DOMINANCE OF PATRIARCHY OVER WOMEN AND NATURE IN "THE FIRE AND THE RAIN"

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Abstract:

This paper examines Karnad's method in the play "The Fire and the Rain" for explaining patriarchal dominance over women and nature, particularly from an Indian perspective. The purpose of this paper is to look at two important aspects of the play. It tries to explain Karnad's technique of empowering women by raising their voices against social dominance, and it reflects on women's sensitivity to nature, introducing the concept of eco-feminism into 'The Fire and the Rain'.

This paper is divided into three sections in order to achieve the stated objectives. First, a brief depiction of male dominance over women is provided. Second, a brief introduction to Girish Karnad as a dramatist is provided, as is Karnad's plan to use myth to illuminate modern views on human relationships. Finally, an overview of ecofeminism and how this play generates ecofeminist ideas is provided.

Key words: *Gender inequalities, Patriarchal domination, myth, women's psychological trauma, drama, Ecofeminism.*

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Paper ID: ICCIASH-2022/902

Investigation on DNA interaction and biological studies of Co(II), Ni(II) and Cu(II) complexes of 4-trifluoromethoxy aniline Schiff base ligand

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Abstract:

Three novel complexes, **1** $[Co(L)_2(H_2O)_2]$, **2** $[Ni(L)_2]$ and **3** $[Cu(L)_2]$ with Schiff base, **L** (1-((E)-(4-(trifluoromethoxy)phenylimino)methyl)naphthalen-2-ol, $C_{18}H_{12}F_3NO_2$) have been synthesized and characterized by different microanalytical and spectroscopic techniques. The results suggested that, complex **1** adopted an octahedral geometry, whereas complexes **2** and **3** owned a square planar geometry. DNA interaction studies were investigated against calf thymus and supercoiled pBR322 DNA respectively. The cytotoxicity against three human cancer cell lines HeLa, A549 and MCF-7 and antimicrobial activity study against bacterial species *Bacillus amyloliquefaciens* and *Escherichia coli* as well as fungal species *Macrophomina Phaseolina* and *Sclerotium rolfsii* were also investigated.

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Paper ID: ICCIASH-2022/903

Spectroscopic, Structural and Density functional theory studies of 2-amino-5-nitrobenzophenone polymorph

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Abstract:

The objective of this investigation is to compare the solid state modifications using the structure elucidated from single crystal X-ray diffraction analysis. Inter- and intramolecular hydrogen bonding interactions exhibit various supramolecular architectures in the crystal packing; these variations well confirm the polymorphism in 2-amino-5-nitrobenzophenone (ANB). Crystal cohesion is achieved by C–H···O, N–H···O, N–H···π, C–H···H–C and π···π stacking interactions, responsible for the formation and strengthening of supramolecular assembly. Variations in cell parameters, XRD patterns, FT-IR vibrational frequencies and fingerprint plots support the existence of polymorphism.

Key words: *single crystal X-ray diffraction, Hydrogen bonding, Polymorphism.*

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Paper ID: ICCIASH-2022/904

A Study on credit management and issues of bad debts in commercial banks in India

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Abstract:

This study examines the impact of credit management on firm performance amidst bad debts, among deposit banks. Five hypotheses were formulated following the dependent variables of Return on Asset and Tobin Q. The independent variables employed for this study include: Loan Loss Provision, Loan to Deposit Ratio, Equity to Asset Ratio, and Loan Write off. This study is based on ex-post facto research design and employed a panel data set collected from fourteen (14) commercial banks over six years ranging from 2014 to 2019 financial year. We analyzed the data set using descriptive statistics, correlation and Ordinary Least Square Regression Technique. The random effect models established that non-performing loan, loan loss provision and equity to asset impact significantly on banks' performance in both Return on Asset and Tobin-Q models. This suggests that the sampled banks need to establish efficient arrangements to deal with credit risk management. In all, credit risk management indicators considered in this research are important variables in explaining the profitability of commercial banks. However, based on the outcome from the empirical analysis, the study carefully recommends that investors and shareholders in these banks should be aware of the possible use of provisions for losses on non-performing loans by managers for smoothening of profits. The shareholders specifically should be ready to meet optimal agency costs to reduce the manager's information asymmetry by hiring competent internal and external auditors.

Key words: *credit management, non-performing loan.*

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Paper ID: ICCIASH-2022/905

PHENOMENA BEHIND OPTICAL BIOSENSORS: A REVIEW

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Abstract:

The paper provides fundamentals of a sensor and its parameters. It explains the basic phenomena behind optical biosensors qualitatively. It also includes recent advancements in the field of optical biosensors giving emphasis on the plasmon enhanced electric field phenomenon. It creates interest to develop new sensing schemes based on fluorescence and SERS devices.

Key words: *Plasmon, florescence, Transducer, sensor chip, LSPR, SERS.*

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Paper ID: ICCIASH-2022/906

RAILWAY EMPLOYMENT, EDUCATION UPLIFT DALIT FAMILY CRITICAL STUDY OF Y.B SATYANARAYANA'S 'MY FATHER BALIAH.'

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Abstract:

This paper is an attempt to examine the social and economic aspects elucidated in the autobiography of Y.B.Satyanarayana. This work is a tribute to his father, Yelukati Ramaswamy /Baliah. His ancestors belong to the Madiga community which is considered to be one of the lowest communities in the catse ladder. This family hails from a remote village called Vangapally situated in Karimnagar district of Telangana state. This autobiography describes the inhuman practices against the untouchable communities in general, and how the family Yelukati had ben affected by these caste practices for two centuries. This book also gives the account of ancetsral details of Yelukati family which starts with his great grandfather, Narsiah, as per the memory of the author. This book also throws light upon three generations how the socioeconomic changes were brought into their family. It begins woth Narsaih (senior) who started his life at Vanga pally his grandsons, Satyanarayana and his siblings started their life in Hyderabad, Y.B Satyanarayana's grandchildren began their career in the USA. Thus they developed their lifestyle gradually.

Key words: *Dalit, Socio-economic development, Untouchability, Dalit Narrations.*

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Paper ID: ICCIASH-2022/907

Fabrication of LaFeO3 nanosphere decorated on RGO/g-C3N4/Zn-Cr LDH sheets: A comparison study on enhanced photocatalytic activity under visible light irradiation

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Abstract:

A series of LaFeO3 with different weight percentage of reduced graphene, g-C3N4 and Zn-Cr LDH photocatalysts were synthetized by mechanical mixing method with reliable interfacial interaction. The morphology, chemical composition, and structure of the resulted materials were carefully analyzed by various characterization techniques. The nanocomposite formation was determined by X-ray diffraction (XRD), transmission electron microscope (TEM) and X-ray photoelectron spectroscopy (XPS). The optical property of the nanohybrids have also been characterized by UV-vis diffuse reflectance spectra (DRS) and Photoluminescence Spectra (PL). The photocatalytic performance of all of the composites was evaluated based on the H2 evolution from water splitting reaction and RhB degradation. The results showed that g-C3N4/ LaFeO3 composite can effectively produce more H2 and also degraded more RhB than pure LaFeO3, graphene, g-C3N4 and Zn-Cr LDH when irradiated under visible-light. The main reason behind the best photocatalytic activity of g-C3N4/ LaFeO3 among all above composites is due to the formation mediator-free direct Z-scheme photocatalytic system where as in other system the mechanism goes through direct electron transfer system. As a result of which recombination of holes-electrons pairs was delayed and resulted in a remarkable increase in photocatalytic performance. . Here the high HER (1152μmolh-1g-1) by g-C3N4/ LaFeO3 is also supported by PL spectra, Mott-Schottky plot, Electrochemical Impedance Spectroscopy (EIS) and solid-solid interfacial interaction.

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Paper ID: ICCIASH-2022/908

SiO2-PbO-CaO-ZrO2-TiO2-(B 2O3-K2O), A New Zirconolite Glass-ceramic system: Crystallization behavior and microstructure evaluation

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Abstract:

Zirconolite (CaZrTi2O7) could be a mineral that features a high containment capability for actinides and lanthanides and is taken into account to be an honest candidate for the immobilization of hot wastes. The glass-ceramic technique looks to be a awfully appropriate and convenient methodology to supply zirconolite crystals by causative them during a specific glass matrix. during this study, development of a brand new zirconolite-based glass-ceramic belongs to SiO2-CdO-CaO-ZrO2-TiO2-(B2O 3-K2O) system was investigated. The presence of CdO, beside B2O3 and K2O, allowed the preparation of a diffraction (XRD) amorphous glass with a comparatively high concentration of ZrO2 and TiO2, that was with success reborn to a glass-ceramic containing thirty four skyscraper of zirconolite once heating at 770°C for four h. Differential thermal analysis, XRD, scanning microscope, and energy dispersive X-ray spectrum analysis were wont to verify the crystallization conditions, establish the crystallized phases, verify their compositions and quantities and observe and analyze the microstructures. The zirconolite crystals showed a living substance morphology with a monoclinic structure characterised by a=1.246 nm, b=0.7193 nm, c=1.128 nm, and β=100.508°

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Paper ID: ICCIASH-2022/910

IMPROVING STUDENTS' LISTENING SKILL AND VOCABULARY MASTERY THROUGH CONTEXTUAL TEACHING AND LEARNING (CTL) BY USING ONLINE LEARNING FOR 1st B. TECH STUDENTS

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Abstract:

The aims of this research is to describe the process of improving the students' listening skill and vocabulary mastery through contextual teaching and learning (CTL) by using online learning at the 1st B. Tech students at St. Martin's Engineering college, Secunderabad, it is one of the affiliated colleges of JNTUH. This study also attempts to find out the improvement of the students' skill in listening and vocabulary mastery through contextual teaching and learning (CTL) by using online learning. The method used in this research was qualitative research method by implementing classroom action research (CAR). This research was conducted in three cycles actions in cycle I, cycles and 2. The result of the research is the use of contextual teaching and learning (CTL) by using online learning can improve the students' listening skill and vocabulary mastery. The finding of the research were: (1) the process of teaching and learning using CTL through online learning was conducted successfully in terms of the feeling of happiness and enthusiasm of the students, (2) there was an improvement of the students' listening skill from the increased mean of score from 57,85 in pre-test became 81,11 in post-test. This study suggests that the English teacher may improve her teaching strategy by optimizing the use of materials at school; the teacher should be creative in selecting, developing and giving materials at class.

Key words: *Improving, vocabulary mastery, listening skill, contextual Teaching and learning, online learning.*

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Paper ID: ICCIASH-2022/911

MATRIX USED WITH DIFFERENTIAL EQUATIONS FOR DESIGN OF GRAPHICS

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Abstract:

Mathematical models have preliminarily been developed, and used, to identify implicit medicine targets to treat mortal conditions. A new study of IL- 6 is generalized to prognosticate acute step protein expression dynamics. Experimental data presented in the analysis of unknown model parameters are also validated with independent experimental data reported and grounded on the model developed for perceptivity testing, to identify responses which play an important part in the regulation of haptoglobin, fibrinogen, and albumin dynamics. Molecular rudiments involved in these responses are known to be possible targets for drugs. The D- optimacy criterion was used as the objective function of the experimental design problem, grounded on the Fisher knowledge matrix and independently a perceptivity matrix determined using the morris test. Optimal input functions have been defined by working the optimal experimental design problem for model parameters estimation, and the performing input functions have been demonstrated in simulation trials to mainly reduce parameter unsecurity. Fairly, Indeed though their actuality wasn't limited, the defined optimum input function took the form of PRBS signals. Indeed though there were no restrictions on their nature. unborn work should corroborate these findings by applying the determined optimal experimental design on a real trial.

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Paper ID: ICCIASH-2022/912

Effects of Ca2O content on crystallization and dielectric properties of Ca2O-PbO-Nb2O5-SiO2glass-ceramic

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Abstract:

Ca2O-PbO-Nb2O5-SiO2 glass-ceramic were synthesized by melt-quench process. The crystallization processing of the dielectric phases were carried out at temperature range from 750 to 900 °C. The effects of Ca2O content on crystallization and dielectric properties of Ca2O-PbO-Nb2O5-SiO2 glass-ceramic were investigated by means of differential thermal analysis (DTA), X-ray diffraction (XRD) and relative permittivity measurements. The results show that Pb2Nb2O7, NaNbO3 and PbNb2O6 are the crystallization phases which would be formed from the Ca2O-PbO-Nb2O5-SiO2 glass at the temperature range from 750 to 900 °C. For a definite Ca2O content, the relative permittivity increases with temperature of crystallization. The initial temperature of crystallization of NaNbO3 phase decreases with the increase of Ca¬2O content, leading to the increase of relative permittivity of the glass-ceramic. Formation of PbNb2O6 phase at 850 and 900 °C would greatly increase the relative permittivity of Ca2O-PbO-Nb2O5-SiO2 glass-ceramics, but the increase of Ca2O content will inhibit the crystallization of PbNb2O6 phase.

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Paper ID: ICCIASH-2022/913

Determination of gasoline and diesel residues on wool, silk, polyester and cotton materials by SPME–GC–MS

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Abstract:

The identification of ignitable liquids is very important and challenging aspect in arson crime investigations. The detection of gasoline and diesel fuel components using solid phase micro-extraction prior to gas chromatography–mass spectrometry for the forensic analysis of fire debris has been carried out. Previous works show that the absorption characteristics of the substrate are one of the most important factors in determining the evaporation rate of the accelerants. In order to determine the presence of the fuel residues, four of the most common substrate materials were tested in this work; wool, cotton, silk and polyester. The obtained results indicate that both gasoline and diesel fuel accelerants persisted longer on wool and silk than on the other selected substrates. Such information illustrates the influence of fuel persistence times after extinguishing and the best materials to be scanned for ignitable liquids at the fire scene.

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Paper ID: ICCIASH-2022/916

Definite Analytic association of Advection Dispersion Equation making use of Group Theoretical Method

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Abstract:

In portraying the shift in climate situations scattering wonders the precise insightful association of the shift in climate situations scattering condition is the first-rate prerequisite. Present article manages the approach to present the feasible and pertinent solution for association of the shift in climate situations. To fulfil the prerequisite, the unconventional logical association of association of the shift in climate situations is proposed via the modern paintings. The usage of the Group-hypothetical approach for the proposed paintings makes the association for all intents and functions cloth and deliver diploma to extra numerical examination. The Lie Symmetry approach is embraced to accumulate stated association to step clever diminishing with inside the factors.

Key words: *Advection Dispersion Equation, Lie group of transformation, characteristic function.*

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Paper ID: ICCIASH-2022/871

Review on Usage of Cloud Computing in Engineering Colleges

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Abstract:

Cloud computing offers wide range of benefits, knowledge acquisition of student in this platform is subject to course material offered and practices used to deliver this information. Advancement in technology is evolving at a very fast pace that is difficult to match, this puts universities around the world and those in developed countries under pressure to meet up with latest IT trends by using cloud computing in the educational sector. For education sector cloud computing offers highly acceptable solution. Cloud computing reduces the burden of excessive cost and complexity by adopting new technologies in education sector. Cloud computing offers an opportunity of IT costs reduction. The SaaS model provided by the cloud system helps to reduce the capital costs of deploying software. The Cloud also offers IaaS to educational institutes. There is no need to worry about annual upgrades of software for teaching learning process.

In comparison with corporate teaching-learning method using cloud computing; learning in education sector focuses primarily on knowledge transfer and not on hands-on training. However, there is a convergence of academic and corporate cloud computing needs.

Key words: *Cloud Computing, Adoption, Cost constraints.*

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Paper ID: ICCIASH-2022/8A3

A Study on Big Data Analytics Effects on Business Intelligence

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Abstract:

Globally, social media has resulted in a revolution and compelled a paradigm shift in business operations. As a result, enormous volume of data has been collected from a variety of social media outlets, necessitating the use of this data for business intelligence reasons. Despite the importance, little study has been done on the consequences of using Big Data Analytics for Business Intelligence (BI). This research bridges a knowledge space by evaluating the function and implications of Big Data analytics on business intelligence for data obtained from India's social media networks. The study uses a qualitative technique to data collection due to the exploratory nature of the research. NVivo will be used to analyze the data in order to uncover issues that are crucial for creating revenue through big data analytics for business intelligence. The results have significant implications for both theory and practice in terms of developing plans and strategies to optimize the benefits of social media channels for commercial importance.

Key words: *Social Media, Big Data Analytics, Business Intelligence, NVivo, Qualitative Technique.*

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Paper ID: ICCIASH-2022/889

IMPACT OF ARTIFICIAL INTELLIGENCE ON MATHEMATICS TEACHING AND LEARNING

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Abstract:

Artificial Intelligence is one of the big advancements of technology in the present era. One of the leading writers Matthew Lynch writes that "the use of AI in education is valuable in some ways, ….." [1] in our educational system. The purpose of this paper is to discuss the relationship between artificial intelligence and education. Also, stimulates discussion on the potential benefits of A.I. in the field of the mathematics teaching-learning process.

Key words: *Artificial Intelligence, Mathematics teaching-learning process.*

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Paper ID: ICCIASH-2022/876

INVENTORY MODEL WITH DETERIORATION PREVENTIVE STRATEGIES DURING PRODUCT DISTRIBUTION

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Abstract:

The production companies at all times are highly concerned on quality conservation in establishing the brand of their products. These companies make use of production inventory models as an excellent tool for modeling the hurdles of quality sustenance faced during production and product distribution. This paper develops deterministic production inventory models with demand depending on selling price and various cost parameters associated with the strategies of preventing deterioration during product distribution that takes place during the time interval [t1,T] of the total production cycle during the time period [0,T]. This paper incorporates different deterioration preventive costs both for the products that are delivered during the beginning and at the end of the time period [t1,T]. The demand and cost parameters are varied to obtain the change in the total cost. A numerical example is used to validate the model and the efficacy of the model is determined using a sensitive analysis. The model shall be extended further and discussed under an uncertain and indeterminate environment.

Key words: *Production inventory model, deterioration, product distribution, preventive measures.*

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Paper ID: ICCIASH-2022/890

Affine Projection Algorithm and Synchronous Reference Frame (SRF) Theory Based Control of Three- Phase DVR for Power Quality Enhancement

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Abstract:

A Dynamic Voltage Restorer (DVR) is employed at the distribution level to address a number of power quality issues that are currently prevalent. Some of the apprehensions discussed here involve harmonics, balanced sag/swell, and unbalanced sag/swell. A new strategy based on the AP (affine projection) control method is proposed, and its application on a series compensator is presented. The suggested control technique estimates the source voltages' fundamental weight values. These weights are used to calculate the amplitude and phase of the reference load voltages and subsequently the gating pulses for the three-phase VSC (Voltage Source Converter).The control strategy is independent of the input signal's characteristic and is based on the convergence of the weighted values. The suggested control strategy has the additional benefit of fast convergence of active and reactive weighted values. Moreover, the AP (Affine Projection) control method is compared with the conventional SRF (Synchronous Reference Frame) method. By using simulation studies in MATLAB, the Dynamic Voltage Restorer (DVR) control technique is validated.

Key words: *Affine Projection, Convergence speed, DVR, Synchronous Reference Frame, Voltage Source Converter.*

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Paper ID: ICCIASH-2022/878

SMART AGRICULTURE MANAGEMENT SYSTEM FOR GRAPES USING IOT

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Abstract:

Grapes are a wonderful subtropical fruit contains full of pulp, vibrant color and having a huge health benefits. It has huge Phytochemicals content which reduces the growth of chronic diseases. An attempt was made to fulfill the requirement of the world with best superiority of Indian grapes. In this study, Sangli district scored top grape producing regions in Maharashtra. Grape exports to Asia and European countries. In t.he proposed study, attention has been given on increasing production as well as tonnages of export of superior grapes with the help of efficient and effective use of technology, so that it can play an important role in feeding the world with Indian grapes according to consumer's demand worldwide.

Key words: *Agriculture, sensors, Neural Network, Back Propagation, Prediction, Internet of Things.*

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Paper ID: ICCIASH-2022/864

LATERITE PROFILE OF THE SAMPLE COLLECTED ALONG THE VELIMALAI HILLS OF WESTERN GHATS

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Abstract:

At the beginning of the 19. century, it obtained scientific interest when the English surgeon Francis Buchanan travelled along the western coast of southern India and published his manifold observations and results. He coined the term laterite (1807). Already the early observations of Buchanan have shown that laterite is a weathering product of the underlying parent rock. In later studies it was found that intensive chemical decomposition of rocks is a widespread phenomenon in tropical regions and affects each kind of rock Laterite is a tropical residual soil formed by surficial physiochemical processes. The geo-engineering significance of the laterite lies in their peculiar self-hardening properties. This natural process of self-bonding takes place rapidly at normal temperatures and pressures and appears to depend only on exposure to air. The potential opportunities for development of new techniques for clay soil stabilization became success with the advent of the laterite profile.

Key words: *Laterite; Silicon; Aluminium; Iron; FTIR;EDS.*

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Paper ID: ICCIASH-2022/894

The Treasure of Human Relationships in Githa Hariharan's Novels

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Abstract:

A family is a group of people who have a marital relationship as well as blood relatives who live under the same roof. A society is defined as a group of many families living together. In other words, a modern family is a social system. Every individual is responsible for encouraging the family in ways to construct a happy family. In today's world, the man plays a unique role that affects not only his immediate family but also future generations. This study examines the primary causes, vulnerabilities, and gaps that lead to separation, family issues, and the isolation of healthy relationships only through the perspective of this hypothetical togetherness.

This study examines two forms of human relationships. These are the relationships between parents and children and between men and women. This paper also attempts to examine how these relationships influence the construction of self.

Key words: *human relationships, modern family, interpersonal interactions.*

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Paper ID: ICCIASH-2022/877

A Study on Effects of Demographic Factors on Nutrition Awareness in Mumbai city

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Abstract:

By definition, Nutrition is considered as the study of the relationship between a human body and nutrients from food; how nutrients help humans fight diseases and maintain good health by maintaining a wholesome diet.

Nutritionists use various fields of sciences like molecular biology, biochemistry and genetics in reaching their goal. Even though nutrition is considered a science, there are still multiple perceptions existing which have not been explored.

There is a general perception among youth of today's generation towards nutrition. However, the India Medical Nutrition market is estimated to be valued at US$ 404.1 million in 2022 and is an emerging field for marketers to explore its potential. Our research will focus on what are the key determinants towards nutrition awareness. The researchers would also throw light on whether demographic factors affect the awareness levels of nutrition amongst residents of Mumbai city.

Key words: *Nutrition, consumer perception, consumer behavior, nutrition branding, marketing strategy.*

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Paper ID: ICCIASH-2022/863

LANGUAGE COMMUNICATION AND LITERATURE

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Abstract:

Language, unless recorded, is an abstract mode of expression of feelings, thoughts and deeds. There are myriad ways to express language, like signs, sounds, remarks and behavioral expressions. In communication, both the receiver and communicator are important. When the language is received by targeted people, the purpose of language will survive. Literature is a platform where a second language learner learns with the aid of literature. Only with the aid of Vocabulary Charts, translating primary language to second language does not present the ideas properly. When a second language learner wants to master the alien language, he has to be acquainted with alien culture. This paper aims at discussing how to improve communication by way of reading literature.

Key words: *Communication, language learning, literature and second language learning.*

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Paper ID: ICCIASH-2022/862

ROLE OF INTERACTION IN THE SECOND LANGUAGE CLASSROOM

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Abstract:

Utmost preceptors don't rigorously stick to one tutoring system or strategy, but rather combine different aspects of several strategies to produce effective classroom activity. Scholars need input from a source who knows the target language, which is why 'the Silent Way' isn't a veritably effective tutoring system. Scholars won't learn to produce a language without input and exposure, and both vocabulary and alphabet are important tools for language learners.

Traditionally, learning, reiterations and audio- lingual styles have been at the core of foreign language pedagogy. In present day, foreign language classrooms, communicative language pedagogy has come to a current system of language tutoring. The main end of similar programs involves language tutoring and learning through scholars' active and interactive involvement in simulated communicative conditioning, part plays, discourses, acting plays, and conversations in classroom activity (as well as other forms of mediated language literacy, similar as written tasks, design work).

Key words: *Second Language, Classroom, Interaction, activity, student centric, teaching, pedagogy, language teaching, acquisition.*

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Paper ID: ICCIASH-2022/884

Comparative Analysis & Implementation of Static & Dynamic Wired Network using NS2 with NAM, Xgraph, Gnuplot Utility

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Abstract:

These days Communication assumes crucial part in different aspects of person life as it gives the data of new innovation, advancements, research happening all over the world. All important sectors like government, corporate, education, entertainment etc are moving on online platform. Also there is huge rise in concept of work from home, online shopping, e-commerce, online banking etc. In today's world, use of computer network and its components have been increased tremendously. We now have the ability to communicate and retrieve data thanks to the Internet, which has also had a big impact on how we work and live.

In this paper we have implemented static and dynamic wired networks designed with different node scenario and topologies along with NAM, Xgraph & Gnuplot utility of NS2.35.

Key words: *NS2-Network Simulator Version 2, NAM- Network Animation, XGRAPH, GNUPLOT, DV-Distance Vector Routing.*

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Paper ID: ICCIASH-2022/896

EPILEPTIC SEIZURE CLASSIFICATION USING INTRACRANIAL ELECTROENCEPHALOGRAM

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Abstract:

Epileptic seizure is a major neurological brain disorders and which has affected about two percentage of world's population. A medical test knows as Electroencephalography, which records brain signal is used to diagnosis seizure. Intracranial Electroencephalography is a method where electrodes are implanted over the cortex of brain with help of surgery and is used to measure or record brain signal. Epileptic Seizure classification is still challenging areas of research. Epileptic Seizures are classified as focal seizure, generalized and secondary generalized seizure depending upon the area of brain from which it is generated and how it spreads. Classification of Epileptic seizure helps in during brain surgery and treatment of seizure to understand which part of is responsible for generation of seizures. Developed Epileptic seizure classification algorithm classifies seizures as focal Seizure, generalized Seizure and secondary generalized seizure. The classification depends on the percentage of implanted electrodes detecting presence of seizure activity. Epileptic Seizure Classification helps in brain surgery and with proper drug management can improve the quality of life of Epileptic patients.

Key words: *Brain Surgery, Epileptic Seizure, Epileptic Seizure Classification, Focal seizure, Intracranial Electroencephalography.*

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Paper ID: ICCIASH-2022/8B0

Strategy transfer in writing skills from the dominant language to English

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Abstract:

This study focused on undergraduate students, whose dominant language is Telugu, who completed in Telugu medium up to their secondary school education or higher secondary education, and who had joined in the English medium. The researcher used essay writing in both English and Telugu and activated the strategies of essay writing and enabled the students to apply them to essay writing in English. It qualitatively analyzed the data and responses from the students showed the growth in proficiency in writing essays in English when the dominant language is used as a resource for second language learning.

Key words: *Dominant language, langauge learning strategies, undergraduation, multilingualism, essay writing.*

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Paper ID: ICCIASH-2022/885

Comparative Analysis of Single Phase DVR with ADALINE-LMS and VFP-LMS Control Algorithms

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Abstract:

Nowadays, adaptive filter-based controllers are becoming more popular. Adaptive filters enable the system to adjust according to the changing statistical conditions, which is not possible for a normal active filter. An adaptive filter can modify its filter parameters in response to changing conditions. This paper presents, a comparative analysis of the performance of single-phase DVR (Dynamic Voltage Restorer) based on two adaptive control algorithms. One control algorithm is ADALINE-Least Mean Square (ADALINE-LMS) algorithm and the other one is variable fractional power-least mean square algorithm (VFP-LMS). The two-leg capacitor supported VSI based single-phase DVR is used for implementing these control algorithms. A sinusoidal pulse width modulation (SPWM) controller is used for the generation of gate signals. The performance of DC-link voltage is evaluated under steady-state and dynamic conditions. The control algorithms are implemented using MATLAB/Simulink software. Under dynamic condition single- phase supply voltage is subjected to sag-swell and harmonic distortions. The performance of these two control algorithms is found satisfactory under sag-swell condition. With harmonically polluted supply voltage containing very high THD, the ADALINE-LMS and VFP-LMS based DVR maintains load voltage THD low as per IEEE 519 standard.

Key words: *ADALINE-LMS, Single-phase DVR, SPWM, VFP-LMS.*

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Paper ID: ICCIASH-2022/8A5

Effective Learning at Rajiv Gandhi University of Knowledge Technologies (RGUKT), Andhra Pradesh Assisted through "Information and Communication Technologies (ICT)."

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Abstract:

Nothing in this world is constant, and the only thing that is constant in life is change, as is widely known. The aforementioned statement is especially accurate in today's modern, technologically advanced, and increasingly diverse society. Technology has demonstrated its ability to change our lives as we know them, and the variety of this technology in our lives has had an impact on traditional schools. This has sparked a verbal battle about whether the new, modern, smart, or digital education system is better for students than the more established, traditional one. As more institutions and businesses now offer courses online, ICT usage has skyrocketed in popularity. Nevertheless, despite the widespread use of digital learning, many populations actively avoid it, often because of misconceptions. In the meantime, traditional (classroom) training is fighting back and attempting to adapt fresh strategies to maintain learners' interest despite the growing popularity of ICT tools. There are always two sides to a coin. ICT tool use is more acceptable for some people, whereas classroom instruction is the preferred delivery mode for others. Having said that, this article discusses the differences between traditional and digital learning with a particular focus on Rajiv Gandhi University of Knowledge Technologies (RGUKT), AP because RGUKT successfully integrates ICT at each of its campuses, whereas a significant number of people are still reluctant to try out unconventional learning methods elsewhere.

Key words: *technology, traditional schools, digital learning, ICT tools, RGUKT…*

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Paper ID: ICCIASH-2022/898

REVIEW: POTENTIAL WORTH ADDITION FROM PULSE AND CEREAL PROCESSED BY PRODUCT

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Abstract:

India may be a leading producer of cereals and its process generates great amount of by-products and waste every year. Pulse and Cereal treating produces by-products that may be maintained and guarded or used as low-prize materials for extraction of helpful parts for dietary supplements, food coating, packaging materials and nutraceuticals, and feeds for property accessibility and consumption. These by products are magnificent supply of the foremost valuable constituents like bioactive compound, antioxidants, β-glucans, enzymes, dietary Fibers and plenty of more. This Paper is well defining on the functional and bioactive constituents of major pulse and cereals by-products and the way technologies will rework them to added products. Valorisation of those by-products has vast potential to Indian economy.

Key words: *Pulses, Cereal, Waste management, By-products.*

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Paper ID: ICCIASH-2022/8B2

SECRETS OF MINDMAP IN A EDUCATION

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Abstract:

The research offers details on the fundamentals of a mind map, how it contributes to the area of education, its features, and its uses in the teaching profession. Mind Maps are a diagrammatic representation of a specific subject that aids in a more thorough analysis than your typical writing style. Students might spend less time actually going through the stack of books during exams because a mind map of the same subject is accessible for them to review during the exam. There are various mind map architectures, which may help anyone to better comprehend the concept of mind maps and what we need to accomplish after analyzing it.

Key words: *Mind map, Education, Examination, Analysis.*

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Paper ID: ICCIASH-2022/8B1

RNN BASED RAPID THREAT DETECTION AND RESPONSE SYSTEM

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Abstract:

Cybersecurity is the field where time plays a major role. Within a blink of an eye, things can get out of hand. Most of the approach the attackers use nowadays utilize the power of Artificial Intelligence which can easily outperform the traditional tools and approach used for Cyber Defense. For addressing this problem, we are proposing a system that will identify the threats, collect intelligence on it and it will help user in mitigating the threat. Apart from this, the user will have the ability to open source the intelligence safely, securely and in different languages as well. This system majorly uses Recurrent Neural Networks and LSTM to detect whether the alerts issued by the front-line defenses are really a threat or not in real time. If they are detected as a threat, then the predefined playbooks will be used if the playbook is available.

Key words: *Cyber Threat Information Sharing, Threat Intelligence, Threat Identification, Threat Response.*

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Paper ID: ICCIASH-2022/8A9

Pragmatic analysis of machine learning models for blockchain-based security deployments from an empirical perspective

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Abstract:

Blockchain based security deployments have gained a lot of popularity due to its highly secure and distributed data processing capabilities. These capabilities include immutability, distributed computing, traceability, and transparency. A wide variety of blockchain based models are proposed by researchers, and each of them vary in terms of performance metrics that include computational complexity, mining delay, security levels, deployment costs, etc. To optimize these metrics various machine learning (ML) models are proposed by researchers, and which utilize some variant of Neural Networks, Swarm Optimization, Bioinspired Computing, Q Learning, and Fuzzy Logic based methods. Performance of blockchain is also improved via use of bioinspired-based sidechain & sharding models, which divide the main blockchain into multiple parts, depending upon application's requirements. These methods aim at maximizing blockchain's performance via reduction of computational overheads during mining, encryption, block verification, and hashing operations. But these models have large variants, and each of these variants have different performance under similar deployment scenarios. Due to which it is difficult for researchers & system designers to select a particular ML Model for their context-specific use cases. To overcome this limitation, a review of most recently proposed ML Models for blockchain optimization is discussed in this text. This discussion evaluates the ML Models in terms of their nuances, advantages, limitations, and future research scopes. Based on which, readers can identify most optimum models for their application-specific deployments. Moreover, this text also compares statistical performance of these models in terms of computational complexity, deployment cost, end-to-end delay, applicability, scalability, and security performance. Upon referring this comparison, researchers will be able to select combination of models which can be used in tandem for optimizing overall security & QoS (Quality of Service) capabilities. Furthermore, this text proposes a novel evaluation rank that aggregates performance metrics of the reviewed models, and recommends methods that can be used for improving overall capability of ML based blockchain deployments.

Key words: *Blockchain, Machine Learning, Sidechain, QoS, Security, Neural, Fuzzy, Bioinspired.*

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Paper ID: ICCIASH-2022/842

Luminescence upgrade in Er3+ ion and silver nanoparticles co-doped fluoro phosphate glasses.

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Abstract:

Luminescence of rare earth doped glasses mainly depends on the host glass matrix. In the present study Er3+ and Ag+ (AgNO3) ions as co-dopants are doped in fluorophosphates host glass with variable concentrations of oxide compounds. The addition of Ag+ ions to the Er3+ ions doped fluorophosphates glasses upgrade the photoluminescence properties. The glass transition temperature Tg of 420°C has been used to precipitate Ag nanoparticles. Using transmission electron microscope (TEM) image, the formation of Ag nanoparticles was confirmed in the present Er3+ ions and AgNO3 doped glasses. The increase of AgNO3 concentration upto 0.5 mol% enhances the luminescence intensity indicating that the formation of large number of Ag+ and its nanoclusters in the glass matrix. The luminescence of glass materials has been studied from emission spectra.

Key words: *XRD, TEM, Luminescence and TEM.*

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Paper ID: ICCIASH-2022/8C0

Performance Analysis of DSTATCOM using LMS and its Logarithmic Function

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Abstract:

In this paper, a Distribution Static Compensator (DSTATCOM) is proposed for compensating reactive power, harmonics suppression and unbalance in distribution systems produced by various loads. The Adaptive Linear Neuron (ADALINE) Least Mean Square (LMS) algorithm and a Least Mean Logarithmic Square (LMLS) control algorithm are used for DSTATCOM. SIMULINK tool box is used to simulate these methods in MATLAB environment. The performance of these systems for DSTATCOM operation is illustrated by simulation results.

Key words: *Power Quality; Distribution Static Compensator (DSTATCOM); ADALINE; and the Least Mean Logarithmic Square (LMLS) algorithm; Reactive power compensation; Harmonic elimination.*

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Paper ID: ICCIASH-2022/8A2

Synthesis of Lithium Doped Manganese Ferrite Nanoparticles By Green Sol-Gel Auto Combustion For High Performance Super Capacitor

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Abstract:

In this study, Mn0.7Li0.3Fe2O4 ternary metal oxide nanoparticles have been prepared by sol-gel ignition methods. Its single phase formation was confirmed by XRD. Field-emission scanning electron microscopy and transmission electron microscopy showed the cubic shape of the obtained nanoparticles with a size in the range of 30–65nm. The electrochemical performance of the nanomaterials was evaluated using a two-electrode configuration by cyclic voltammetry and galvanostatic technique in 1M KOH electrolyte. The highest specific capacitance of 1458.3 Fg−1 was obtained with a scan rate of 5 mV s−1 with the corresponding power density of 315 kW/kg and the energy density of 455.71Wh/kg. High-energy-density supercapacitor applications hold great promise for the Mn0.7Li0.3Fe2O4 nanoparticles electrode due to its superior electrochemical performance.

Key words: *metal oxide, nanoparticles, specific capacitance, electrochemical performance, energy density and Power density.*

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Paper ID: ICCIASH-2022/8A7

REVIEW AND IMPLEMENTATION OF SECURED APPROACH TO ONLINE ELECTORAL SYSTEM

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Abstract:

In this paper we propose a multifaceted Electoral system. Manual voting may lead to malpractices sometimes, so there is a need to implement an online voting system. This is for expanding the technology from manual voting system to digital voting system. In this specific research our idea is to implement online voting system with four interfaces user/voter interface, candidate interface, admin/organization interface, sub-admin interface The proposed system has double authentication with OTP and unique id system thus making it secure and facilities like displaying events which are available for voting, one time voting, candidates being able to view their results will be provided. This system will furthermore reduce the need for physical voting thereby reducing the time consumed and hence helping people to vote in the comfort of their homes. Transparency of voting follows through in all phases of an election process to assure the voter that his/her vote went in favor of his/her candidate of choice. Thus, we provide an online web voting system wherein we can conduct elections for event as well as vote just by sitting at home with a single click.

Key words: *OVS (Online voting system), OTP (One time password), Register for voting, HMACSHA256.*

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BRAIN TUMOUR DETECTION THROUGH MRI IMAGES

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Abstract:

Humans are considered to be the most intelligent species on mother earth and are inherently more health conscious. Since centuries mankind has discovered various proven Computer Aided Detection Systems (CAD). To automate the process and predict diseases more accurately machine learning methods are gaining popularity in the research community. Machine Learning methods facilitate development of the intelligence into a machine, so that it can perform better in the future using the learned experience. Machine learning methods application on electronic health record dataset could provide valuable information and prediction of health risks. Tumour is an unwanted growth of unhealthy cells which increase intracranial pressure within the skull. Medical image processing is the most challenging and innovative field specially MRI imaging modalities. The strategy presented in this paper involves pre-processing, segmentation, feature extraction, detection of tumour and its classification from MRI scanned brain images. Magnetic Resonance Imaging (MRI) is a non-invasive imaging modality which is best suited for the detection of brain tumour. In this paper we have implemented the PCA Algorithm which has helped to represent a multivariate data table as a smaller set of variables (summary indices) in order to observe trends, jumps, clusters and outliers. PCA is a very flexible tool and allows analysis of datasets that may contain, Also the identification of tumour and its classification in scanned regions has been done accurately. A user-friendly environment has been created by using Django Framework as our backend and GUI in MATLAB to display the classifications, resulting in an automated brain tumour detection system for MRI scanned images. By using the Web application tool, the physician and other practitioners are facilitated in detecting the tumour's presence in an MRI scan. In this work, we have implemented a hybrid between Support Vector Machines (SVMs) and KNN using features derived from pixel intensity. This work helps in recognition of tumours which in turn save the precious time of medical diagnosis to diagnose the tumour automatically in a short span of time. The accuracy obtained from this hybrid model reaches upto 0.96%.

Key words: *Tumour, Hybrid SVM-KNN, PCA, MRI Scans.*

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Structure and Morphology of Co-Sm Nano ferrites by citrate-gel auto combustion method

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Abstract:

Nano-Crystalline Samarium substituted Cobalt Nano ferrites with chemical formula CoSmXFe2-XO4 (where X=0.0, 0.010, 0.030, 0.050, 0.070, 0.090 and 0.10) were synthesized by citrate-gel auto combustion method. Synthesized powders were sintered at 5000C for four hours in air and characterized by XRD, SEM, EDS, FTIR. X-ray diffraction (XRD) analysis showed cubic spinel structure of the ferrites and the values of lattice constant (a) and x-ray density (dx) increased with the increase of Sm content. The surface morphology of the samples was observed by scanning electron microscopy (SEM). An elemental composition of the sample has studied by Energy Dispersive Spectroscopy (EDS).

Key words: *Co-Sm Nano ferrites; citrate-gel auto combustion Technique; XRD; SEM; EDS.*

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Rural-Urban Differences in Conveyance Expenditure Across Indian Consumers, 2005-12

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Abstract:

This paper examines the determinants of household conveyance expenditure among urban and rural areas in India and evaluates households' performance with different characteristics in terms of social and economic indicators that it consists of. It uses three rounds of data from the consumer expenditure survey (61st, 2004/2005; 66th, 2009/2010 and 68th, 2011/12) by the National Sample Survey Organization (NSSO) at the unit-level. The data is pooled at constant prices in order to capture the change in the expenses incurred on the dependent variable in question i.e., conveyance expenditure. Over the period, 2004-05 and 2011-12, the share of conveyance in monthly consumption expenditure has increased marginally in both rural and urban India from 3.8 to 4.8 per cent and from 6.5 to 7.5 per cent respectively. This paper attempts to study the diverse impact of selected household level and socio-economic and cultural factors that drive the growth of the household transport expenditure across the rural and urban India. The change in the expenditure allocation over time (rounds of consumption) is also traced at constant 2000-01 prices and the degree and level of association of the selected explanatory variables in determining the growth of the transport expenditure is also studied.

Key words: *Consumption Expenditure Pattern, Transport Expenditure, NSSO, Human Development, India.*

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EPICUREANISM IN THE CHARACTER OF TRIDIB IN AMITAV GHOSH' "THE SHADOW LINES"

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Abstract:

This paper deals with "The Shadow Lines", the novel of Amitav Ghosh in which the epicurean character named Tridib, who imbibes in him the doctrine of Epicurean philsophy. Amitav Ghosh's novels portray the contemporary history and politics of his age. His characterisation is of great importance and very impressive. Similarly Tridib in The Shadow Lines is an important character who is the mentor of the narrator and occupies the central place in several incidents of the novel. He is a recluse sort of man, happy in his booklined room, meets all sort of men but do nothing and have nothing for his future. But he always possesses a character of humane and love.

Key words: *Wastrel, life, love, sacrifice, lose.*

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On Computative property of μ-Anti-Fuzzy Subgroups

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Abstract:

In this paper, we'll start by exploring terms of μ-anti- FSG defined on fuzzy set and probe things that each anti-FSG is μ-anti-FSG. We also prove that the merchandise of two μ-anti-FSGs is μ-anti-FSG. Moreover, we innovate the concepts of μ-anti-FNSG and factor group with reference to this newly defined μ-anti-FNSG and prove various fundament algebraic characteristics of those phenomenon.

Key words: *μ-Anti-fuzzy subgroup (μ-Anti-FSG); μ-Anti-fuzzy normal subgroup (μ-Anti-FNSG); μ-Anti-fuzzy coset (μ-Anti-FCS); μ-Anti-fuzzy left coset (μ-Anti-FLCS); μ-Anti-fuzzy right coset (μ-Anti-FRCS).*

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IMPACT OF ONLINE PEER TEACHING PRACTICE ON B. ED STUDENTS OF EFL-UNIVERSITY HYDERABAD, USING CONTENT AND LANGUAGE INTEGRATED LEARNING (CLIL) USING SCAFFOLDING

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Abstract:

Language learning initially happens with scaffolding. When this scaffolding used in language teaching with the help of CLIL there will be productive results. Content and Language Integrated Learning is a teaching approach where possibility of learning content and language simultaneously. Covid-19 has shown its impact on every nook and corner of the world. For that particular period of time everything became standstill except Covid. In this situation providing education to the students became a difficult task. But, with help of ICT we could able to run somehow. Teaching practice is one of the criteria where B.Ed students will have to undergo to posses some teaching skills. Having field level teaching experience will give them to analyze difficulties and face them in future teachings to come. But, because of this Covid-19 regulation, this teaching practice was not provided in offline but, few institutions have managed to provide through online. The English and Foreign Languages University provided this teaching practice through online on the name of Online Peer Teaching. The motto of the study is to find out the impact of online peer teaching practice using CLIL and Scaffolding. To conduct this study EFLU B.Ed students are taken as the sample. The results found that this online peer teaching helped them to enhance their overall teaching skills.

Key words: *Covid-19, ICT, Online peer teaching and CLIL.*

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IMPACT OF THE DECOY EFFECT ON ONLINE CUSTOMER'S PREFERENCE TOWARDS RETAIL PURCHASES

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Abstract:

Why would someone want to pay more for popcorn at the movies when they could get it for much less money at the grocery store? From a financial standpoint, it is a scam. The decoy effect, a powerful psychological strategy, can, however, influence our economic thinking in such a way that the targeted commodity will be bought even if it is overpriced. A previous study found that the target, competition, and decoy alternatives might all change a consumer's preference.

To reach more customers around the world, sellers in this iteration of the IR offer their goods through online marketplaces. This study examines the decoy effect's existence in Indonesia's digital marketplace and how customer reviews affect it. Online surveys are used to gather data by simulating online purchasing decision sets for a trash can. We decided on the online store Shopee because it has some capabilities that make the experiment possible. The prevention and therapy to determine whether the decoy effect occurs in the digital market, 1 choice-sets are utilised. The effectiveness of a decoy with fewer/more purchasers is assessed using Procedure 2, and the effectiveness of a decoy with favorable/ unfavorable reviews is assessed using Procedure 3. One choice-set is randomly assigned to a total of 90 individuals. Results indicate that Shopee, a digital marketplace, is subject to the decoy effect. The number of buyers affects how strong the decoy effect is; a lower number weakens it, a larger number strengthens it. Additionally, data indicates that using a dummy with a bad rating weakens the effect and vice versa.

Key words: *Decoy marketing, decoy impact, buying choices, and consumer tastes.*

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