

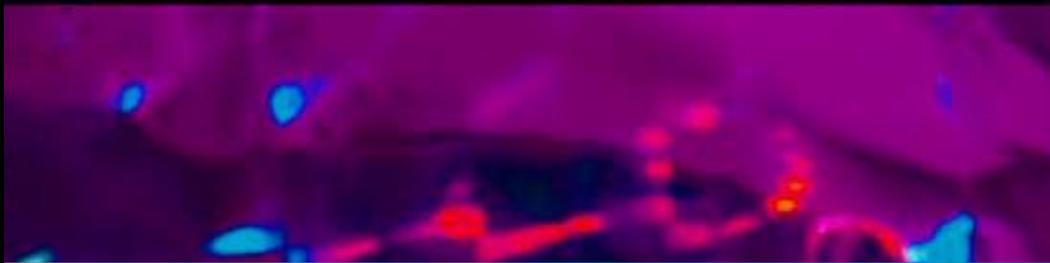
DEPARTMENT OF CIVIL ENGINEERING



NEWSLETTER



STHAPATHYA



Newsletter 2022
Volume - I
Issue - I



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MESSAGES

EDITOR IN CHIEF



Dr. P. SANTOSH KUMAR PATRA PRINCIPAL

Dear all ,
Greeting's from St. Martins Engineering College.

I am delighted to be the Editor-in-chief for “ STHAPATHYA -2022” Newsletter of Department of Civil Engineering and desire that the newsletter will unfold all domains of the year long events and research activities the department is engaged in. And the newsletter will boost the enthusiasm of the students and faculty to reveal to the world plethora of developments in field of civil engineering contributed by them. The newsletter aims to bring different ideologies under one roof and provide opportunities to showcase the achievements and establish an impactful insights. It has stood out in creating an impeccable impression by including multiple endeavour’s like faculty and student involvement in government consultancy works, research publications, participation in competitions & I congratulate for conducting International conferences (2), FDP (2), webinar(1), Guest lectures (2),Seminar (5), Workshop (5),Industrial visit (4), Patents (16), Research Publications (200 papers).

I appreciate the faculties, coordinators students and Department Head of Civil Engineering for their continuous untiring contribution in making the newsletter a reality.

MESSAGES

HEAD OF DEPARTMENT



PROF. SANDHYA KIRAN J K
HOD CIVIL ENGINEERING

Warm Greetings!

The Story of progress of civilizations is entwined with the story of Civil Engineering. It is important to remember that our engineers have always been involved in the process of building the world with innovative materials and complex shapes to withstand the forces of nature beyond their control.

STHAPATHYA exhibits opportunities department has availed to network , collaborate and flesh out research projects endorsing problem statements from utilizing market waste to generate electricity to latest construction material that help built sustainable environment . I am glad to express efforts of faculty and students are fructified.

Sthapathya enfoldes technical events of department that have witnessed experts from industry address our students and hands-on experiences of students at industrial visits and ideas and guidance of faculty members offered to students that have helped them win accolades.

I congratulate the editorial team and hope that the readers will enjoy the insight into the world of Civil Engineering and encourage us in building an egalitarian society.

MESSAGES

FACULTY



"Construct a enriched being to society for our better future"

It has been a wonderful year where as per research we have come up by working with unique materials like translucent concrete, plastic road, plastic tiles and developing 3Dconcrete printer along with students. Looking forward to develop innovative and beneficial products for the society.

– V.Rajesh, Asst. Prof.

"We shape our buildings there after they shape us"

With great pleasure and honour, this newsletter has lot to look forward for more research projects. I'm happy that our department started quality control works in association with GHMC from year 2018, during this 4 years civil department has achieved multiple number of projects.

– B. Bhanu Prasad, Asst. Prof.



"Scientists investigate that which already is; Engineers create that which has never been."

Go for civil engineering, because civil engineering is the branch of engineering which teaches you the most about managing people. Managing people is a skill which is very, very useful and applies almost regardless of what you do.

- P. Guruswamy Goud, Asst. Prof.



I am very proud to say that the department for such an initiative to provide a platform for communicating the innovative ideas of the students and faculty members. They can also write about the improvements, required in the curriculum and syllabus of the course and subjects the study. This will add value and interest for the readers of the news letter. I congratulate the Department and the concerned staff members and students for the efforts taken by them to bring out this news letter. I wish that the news letter brings fruits to the student community and wish a grand success for their efforts.

-Dr. D Naresh Kumar, Asst. Prof.

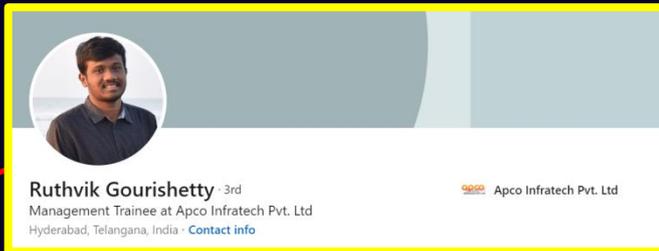


MESSAGES

ALUMNI

My College days are unforgettable and in fact those days are the most happiest & fruitful days in my life. I proudly feel that I cherished every moment of my college. Being a "Martinian" makes me feel proud. My experience at SMEC was magnanimous. I am proud to be a Martinian.

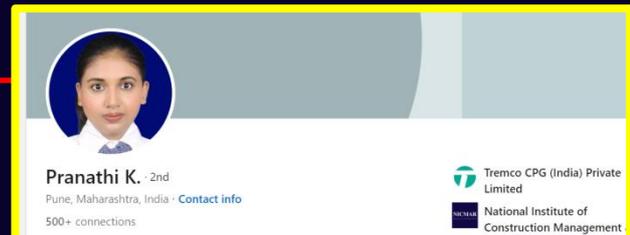
Varun Kasireddy
Engineer, Avineon India
(SMEC: 2015-2019)



My graduation at SMEC was quite enlightening and path breaking. Choosing SMEC was one of the best decisions I have ever made. At This College I gaine`d friendship and experiences which added a different perspective to my life.. It feels great to be taught by amazing professors who are the best. They always motivated and encouraged me to face the risk and learn new things. I am and will always be thankful to SMEC for making me a person I am today.

Ruthvik Gourishetty
Management Trainee, Apco Infratech Pvt. Ltd.
(SMEC: 2016-2020)

Pranathi Kasarla
Tremco CPG Pvt. Ltd.
(SMEC: 2015-2019)



Attending College for the first time has been a great experience for me. I couldn't have accomplished my success without going to S.M.E.C. Currently, the learning's from S.M.E.C have fetched me to gain good position at Tremco CPG India Pvt. Ltd.

MESSAGES



ALUMNI

SMEC provided me a great balance of academics and extracurricular activities. The college life I experienced here was profoundly aided by excellent and friendly environment. The time I have spent in this college has paved my way towards fruitful and enriching career.

Datta Karthik
(SMEC 2016-2020)



Datta Karthik Challa · 2nd
Civil Engineer, Research Scholar
Hyderabad, Telangana, India · [Contact info](#)



SMEC provided me with a great balance of academics and extracurricular activities. The great college life I experienced here was profoundly aided by the excellent and friendly staff. It is a perfect blend of joy and hardships.

Sri Varun Varma Vagesesana
(SMEC 2016-2020)



Sri Varun Varma Vagesesana · 3rd
Civil Engineer at My Home Constructions
Hyderabad, Telangana, India · [Contact info](#)

My Home Constructions

STUDENT ACHIEVEMENTS

ACADEMIC TOPPER'S



Guda Shishwa netha
(18K81A0178)

IVth Year First Rank Holder

Mallishwari
(18K81A0171)

IVth Year Second Rank Holder

Kalyani
(20K85A0113)

IIIrd Year First Rank Holder

Sulochana
(20K85A0107)

IIIrd Year Second Rank Holder

T. Harshitha
(21K85A0106)

IInd Year First Rank Holder

L. Raju
(21K85A0104)

IInd Year Second Rank Holder



RANK HOLDERS



STUDENT ACHIEVEMENTS

SPORTS



FOOT BALL

Mahesh K (Civil-3A) is the most enthusiastic sports player in Department . He and his team has won several trophies for the college in football. Which includes winners of football tournament conducted by VNR EnginneringCollege,Vidya Jyoti Institute Of Technolgy, Sreenidhi Institute Of Science And Technolgy .

In college sports tournament of SMEC he has won Gold in High Jump, Silver in Long jump, Bronze in 100 m,200m,400m.



PLACEMENTS

SUCCESSFULLY PLACED



St. Martin's Engineering College has given me a very good opportunity in proving my technical skills to the IT industry although I am from a non-technical background department. This college has acted as a great platform to every student for achieving their goals. I am very much delighted to be part of this college.

P. Chandralekha
(Accenture - 4.5LPA)



M. Shiva Kumar
TCS (3.60LPA)



Pranavi Ausipuram
Capgemini
(4.00 LPA)



K Sai Krishna
Technovert (4.00LPA)



Manikanta Palla
Cognizant (4.00 LPA)



Karthik Sengani
Cognizant
(4.00 LPA)



Bompally Lavanya
Cognizant (4.00 LPA)

PLACEMENTS

Roll NO	Name	Company	CTC in Lakhs
18K81A0107	Bompally Lavanya	Cognizant	4.00
		Wipro	3.50
18K81A0109	B.Anjali	Kroll	3.70
18K81A0113	Chatla Nilay	Altruist Technology	2.50
		Instrukart	2.20
18K81A0115	Chinthala Raj Kumar	Altruist Technology	2.50
18K81A0118	Dhondi Koumudi	Wipro	3.50
18K81A0124	K. Abhiram Kumar	Qspiders	3.50
18K81A0127	Karthik Sengani	Cognizant	4.00
18K81A0129	Kodam.Naveena	Altruist Technology	2.50
18K81A0131	Lingampalli Bindu Naga Lakshmi	Wipro	3.50
18K81A0140	Mohd Abdul Rahman	Practically	3.50
18K81A0141	M.Shiva Kumar	TCS	3.60
		Wipro	3.50
18K81A0150	S.Karthik	Qspiders	3.50
		Wipro	3.50
18K81A0152	Sri Vaishnavi	Qspiders	3.50
		Wipro	3.50
18K81A0154	Sushma Tupakula	Wipro	3.50

18K81A0155	Thanniru Shruthika	Altruist Technology	2.50
18K81A0168	B Varshith Rao	Zelf Studie	3.60
18K81A0169	Bitti.Vagdevi	Zelf Studie	3.60
18K81A0170	Ch Sowmya	Zelf Studie	3.60
18K81A0172	Donthineni Hari Kumar	Zelf Studie	3.60
18K81A0187	Marla.Saikumar	Altruist Technology	2.50
18K81A0188	Mula Neeraj	Practically	3.50
18K81A0191	Manikanta Palla	Cognizant	4.00
18K81A0192	Palhya Chandralekha	Accenture	4.50
		Wipro	3.50
18K81A0194	Polaveni Saiteja	Wipro	3.50
18K81A0195	Sai Krishna K	Technovert	4.00
18K81A0198	Sheri Pavithra	Zelf Studie	3.60
		Wipro	3.50
18K81A01A0	Talari Hymavathi	Zelf Studie	3.60
18K81A01A1	Thakur Rithik Singh	Practically	3.50
19K85A0103	Madhapuram Malleshwari	Zelf Studie	3.60
19K85A0104	Pranavi Ausipuram	Capgemini	4.00
		Infosys	3.60
19K85A0110	M.Nikhil	Practically	3.50
19K85A0111	Chintalachervu Anusha	Zelf Studie	3.60
19K85A0113	Barad Yashaswini	Wipro	3.50

EXHIBIT TALENT

TECHNOVATION - 2022 WINNERS



Students of 2nd year 3rd year has participated in National level Techno Expo 2022 conducted by St. Martins Engineering college. 30 working models were presented from the department. Competing with nearly 200 project models from different departments, 3rd year students **Mr. D Sai Santosh, Mr Md Ateeb Adnan, Mr Mahender Suthar , Mr K Pavan Kalyan ,Mr Shiva Sai Goud, Mr Md Neyazzudin** has won the second prize presenting a 3D footing model using machine learning.

EXHIBIT TALENT

TECHNOVATION - 2022

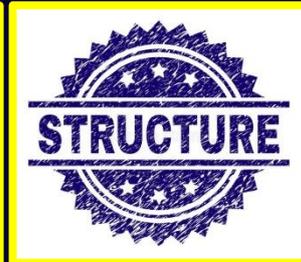


EXHIBIT TALENT



Mr. CHATLA NILAY from civil IV-A with roll no 18K81A0113 had written a script of few scenes from the film titled **KALINGAPATNAM JEEVA**. Mr NILAY is also one of the co-directors of this film **KALINGAPATNAM JEEVA** .It is a theatrical film which is going to release in July 2022.

In last three years he directed two short films which are named as **MORACCO & MORACCO-2**. This two short films were released in you tube and now they are also streaming in you tube. Mr nilay also assisted a senior Mr **RAKESH** (Director of Photography) in few short films.

సమాజానికి ఉపయోగపడే లభు చిత్రాలను తీయాలి

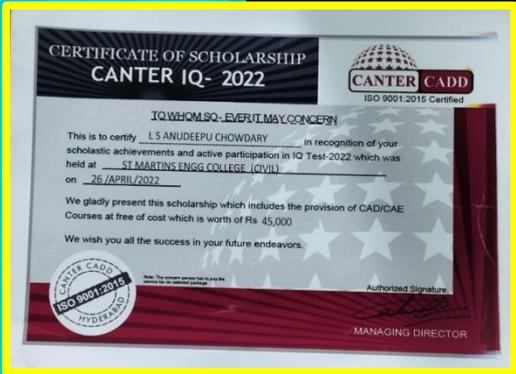
ఇబ్రహీం పట్నం టైమ్స్
యువకులు సమాజానికి ఉపయోగపడే లభు చిత్రాలను నిర్మించాలని నిర్మల్ జిల్లా కోర్టు పిపి గుడ్ల రామకృష్ణ అన్నారు. ఈ సందర్భంగా ఇబ్రహీంపట్నం మండలంలోని వేములకుర్తి గ్రామంలో ధనలక్ష్మి క్రియేషన్స్ వారు నిర్మణం చేస్తున్న మెరాకో-2 లభు చిత్రం ను వేములకుర్తి కీ చెందిన యువదర్శకుడు నిఖిల్ చాట్ల నిర్మాణం లో పలు అంశాలను చిత్రీకరించారు. దాదాపు పదిమంది ఆర్టిస్టులతో చేసే లభు చిత్రం 20నిమిషాలు వ్యవధి తో చేస్తు సమాజంలో చెడును తరిగొట్టటమే లక్ష్యంగా చిత్రం ఉదేశంగా కథ ఉంటుందన్నారు. యువత సమాజంకోసం ఉపయోగపడే చిత్రాలు ఉండాలన్నారు. ఈ కార్యక్రమంలో పదిపోయానీమాయలో సినిమా నిర్మాత అంకతి భరత్ కుమార్, సటులు రాధరపు ప్రభాకర్, ఆర్ రమేష్, రాధరపు దేవదాస్, బస మల్లేష్, లోక సురేష్, సుస్పం రాకేష్, ఆర్ రఘు, విల్లికేశవ రిత్తివిక్, ఆర్ రోహిత్ తదితరులు పాల్గొన్నారు.



EXHIBIT TALENT



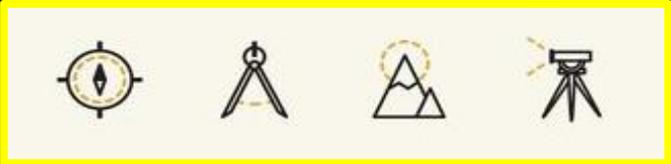
M Sai Krishna from Civil 4B has won Prize for sustainable management of the environment.
He is a TAM co-ordinator, got his felicitation in the valedictory.



Anudeep Chowdary from 3rd year has won Rs45,000 worth prize training courses for free of cost in Canter Cadd for excelling in the written test.



Students of Helping Hands were recognised and felicitated by Principal Dr. P. Santosh Kumar Patrasir on Annual Day



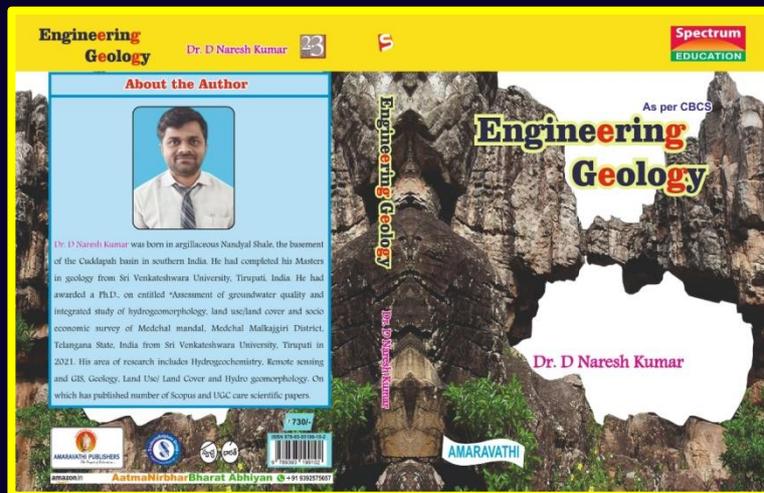
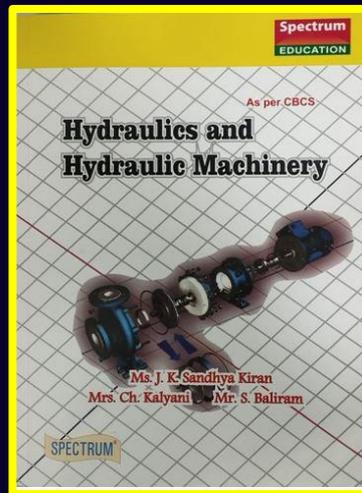
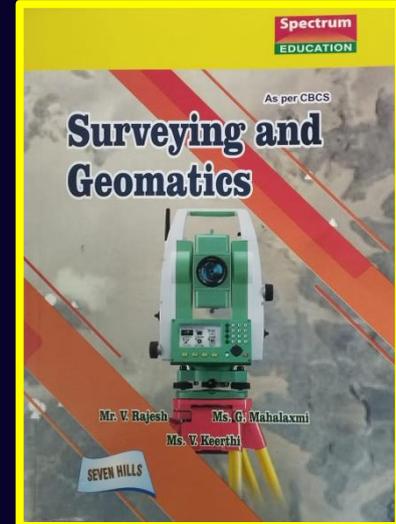
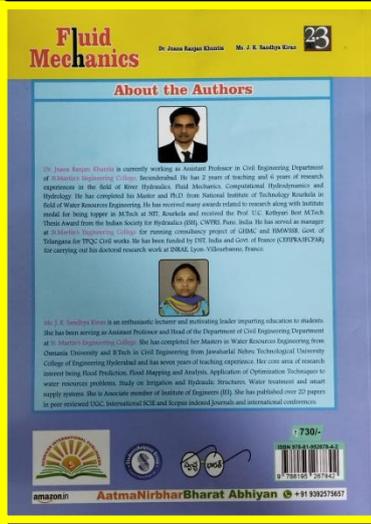
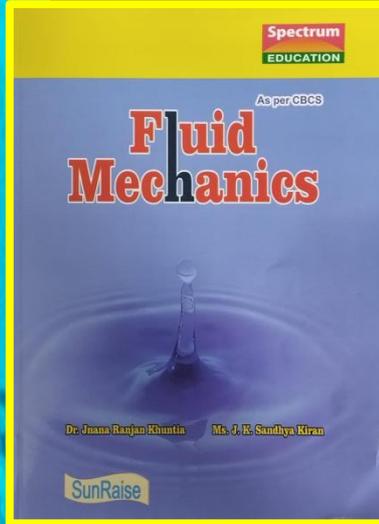
FACULTY PUBLICATIONS

PATENTS

Title of the patent	Application Number	ApplicantName
A Study on Bacterial Concrete and its Physical Properties	202141040220A	V. Rajesh, Sandhya kiran J.K
Replacement of sand with glass powder and bottom ash in concrete	202041049172A	K. Gayathri, Sandhya kiran J.K
Strengthening Of Expansive Clayey Sub grade Pavement By Using Admixture And Geosynthetic	202141007413A	Nasari vijayakumar, V. Rajesh
A Detailed Analysis On Behavior Of RCC beam Under Flexural Load	202141016936A	V. Rajesh
Design and Fabrication of IOT based Solar Agriculture Weeder	202141023740A	Sandhya kiran J.K
Investigational Study On Workability Of Self-Compaction Concrete	202141024109A	V. Rajesh
Fea analysis on crack propagation of corroded steel in concrete	202141006532A	Mr. Vadla Madhu Krishna
Manufacture of 3D Delta Concrete Printer	202041021899	V. Rajesh
Development of bondable concrete using fibers	202041034800A	V. Rajesh
Development of bendable concrete using fibers	202041034800A	B. Bhanu Prasad
A study on behavior of mechanical properties of concrete with addition of fly ash & nano silica gel	202041047017	V. Rajesh
Manufacturing of plastic marble tile using plastic bags	202041027665	V. Rajesh
Manufacturing of 3d delta concrete filter	202041021899	V. Rajesh
Development of bendable concrete using fibers	202041034800A	V. Rajesh
Study on the influence of terrazyme as a strengthening agent for black cotton soil	202041052023	V. Rajesh
A study behavior of mechanical properties of concrete with addition of fly ash and nano silica gel	202041047017	V. Rajesh

FACULTY PUBLICATIONS

BOOKS



FACULTY PUBLICATIONS

JOURNALS

Characterization of GFRP Material

S Baliram, G. Nithisha, S. Ganesh, Y. Divya, M. Praneeth kumar

ICCSDC-2021

ISBN :-978-81-952677-8-1

Development of Thematic Maps Using GIS Showing Contamination of the Environment Due To Solid Waste Dumping At Jawaharnagar Dump Yard, Hyderabad, Telangana

Sandhya kiran J.K, Sai shiva charan patnam, N. Sindhuja, T Shashi kumar

ICCSDC-2021

ISBN :-978-81-952677-8-1

Experimental Study on Mechanical Properties of High Strength Reinforced Concrete Using Mineral Admixtures

Panasa Anil K Saipradeep G Aruna

ICCSDC-2021

ISBN:-978-81-952677-8-1

Evaluation of Electro Coagulation and Reverse Osmosis Process in the Removal of Dye from Plastic Waste Water

Dr. D. Naresh Kumar, Dr. T. Madhu, B. Sukanya Laxmi, .Rahul Chowdary, M.

Nitin Sai Goud, and P. Prakash Reddy

ICCSDC-2021

ISBN:-978-81-952677-8-1

Effect of Crack Propagation of Corroded Steel in Concrete

Vadla MadhuKrishna, Dr B.Kameshwara Rao

ICCSDC-2021

ISBN:-978-81-952677-8-1

Bearing Capacity of Reinforced Layered Soil Bed With Inclined Reinforcement

V. Keerthi, G.V.Narsimha Reddy

ICCSDC-2021

ISBN:-978-81-952677-8-1

FACULTY PUBLICATIONS

JOURNALS

Experimental Study On Super Plasticizer And Water Based Curing Compound

P.Guruswamygoud, M.Rajasekhar, V.Madhukrishna, N.Vijayakumar, P.Anil

ICCSDC-2021

ISBN:-978-81-952677-8-1

A Review Paper on Porous Concrete as Multipurpose and Endurable Pavement

Dharavath Venkatesh

ICCSDC-2021

ISBN:-978-81-952677-8-1

Study On Black Cotton Soil Stabilization By Using Terrazyme In Kompally Village

V.Rajesh

ICRTCE-2022

ISBN-978-93-92933-08-0

Experimental Study On Polymer Modified Bitumen For Flexible Pavements

B. Bhanuprasad

ICRTCE-2022

ISBN-978-93-92933-08-0

Non-Destructive Testing Methods For Evaluation Of Flexible Pavements And Design Of Overlays

P.Guruswamy Goud, V. Hemasekhar Reddy

ICRTCE-2022

ISBN-978-93-92933-08-0

A Review On Significant Use Of Banana Stem Fiber In Concrete

J. Anvesh

ICRTCE-2022

ISBN-978-93-92933-08-0

FACULTY PUBLICATIONS

JOURNALS

Design And Analysis Of Elevated Water Tank

K. Prabhakar
ICRTCE-2022
ISBN-978-93-92933-08-0

Experimental Study On Precast Compound Wall Manufactured From Plastic Waste

Snehalata Kotagi
ICRTCE-2022
ISBN-978-93-92933-08-0

Analysis Of Base Isolated Building System In Structural Building

V. Hemasekar Reddy
ICRTCE-2022
ISBN-978-93-92933-08-0

Effect Of Nano Silica And Hybrid Fibre Bendable Concrete Structural Behavior Of Reinforced Concrete Structures

M. Sravanthi
ICRTCE-2022
ISBN-978-93-92933-08-0

Compression Testing On Concrete Using Artificial Fibres

Vasam Keerthi, Vollala Raju
ICRTCE-2022
ISBN-978-93-92933-08-0

Significance Of Sequencing Batch Reactor For treating Domestic Sewage Water And Allied Sludge Disposal Analysis In Land Pit For Controlling The Ground Pollution

Sandhya Kiran J. K.
ICRTCE-2022
ISBN-978-93-92933-08-0

Soil Stabilization By Using Waste Material “Copper Slag”

D Naresh, Muskesrujan Teja, Panasa Anil, S Baliram
ICRTCE-2022
ISBN-978-93-92933-08-0

GOVERNMENT BODY CONSULTANCY WORKS

GHMC & HMWSSB

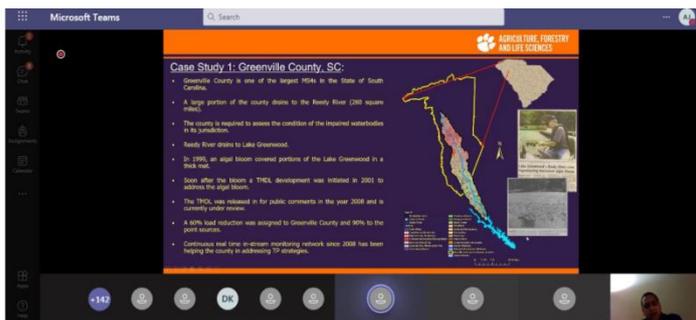
St. Martin's Engineering College (SMEC) Currently Working for Greater Hyderabad Municipal Corporation (GHMC), Comprehensive road maintenance plan (CRMP) and Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB) as Third Party Quality Control Since 2018 to till date. SMEC has highly equipped Concrete technology, Transportation Engineering, and Soil Mechanics laboratories are as per MORTH/IRC/ASTM/CPHEEO/AASHTO/IS Standards, which gives accurate results for testing materials and samples.



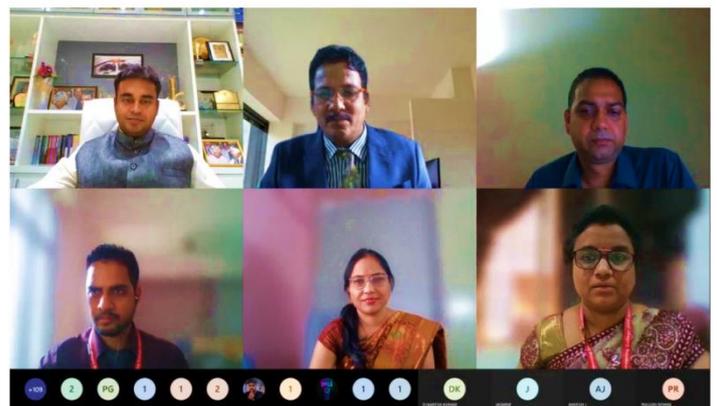
TECHNICAL EVENTS

INTERNATIONAL CONFERENCES

“International Conference on Computing for Sustainable Development in Civil Engineering”-ICCSDC 2021



Dr. Debabrata Sahoo, Associate Professor and Sustainable Water Use Specialist Clemson University, Lexington, South Carolina, USA Chief guest delivering the talk on “Digital Water- the technological wave for a sustainable environment” on 24th June, 2021 at St. Martin’s Engineering college.



Glimpses of ICCSDC 2021 Inaugural Session

“International Conference on Revolutionary Technology in Civil Engineering”-ICRTCE 2022.



Glimpses of ICRTCE 2022 Inaugural Session Vote of Thanks by Prof Sandhya kiran J.K

TECHNICAL EVENTS

WORKSHOPS

“International Three – Day Workshop on Intellectual Property Rights & Innovations in Civil Engineering”



Dr. Kishanjit Kumar Khatua, Professor, Department of Civil Engineering, National Institute of Technology, Rourkela, Chief guest delivering the talk on “Intellectual Property Rights and Innovations in Civil Engineering” on 08th June, 2021 at St. Martin’s Engineering college.



Mr. Dave Edwards, Entrepreneur and Industrial Engineer, President / Owner at BOLD Enterprises, LLC, USA, Chief guest delivering the talk on “Intellectual Property Rights and Innovations in Civil Engineering” on 08th June, 2021 at St. Martin’s Engineering college.

“Software Applications in Civil Engineering - Illustrative Relevance of ETABS, AUTOCAD and STAADPRO etc.”



Prof. S. B. Sankar Rao, Chartered Engineer, Former Superintending Engineer & Former Professor JNTU, Govt. of Telangana, Chief guest delivering the talk during inauguration of the workshop on 27th October, 2021.



Dr. SVS Rama Krishnam Raju, Dean Academics, SMEC, presenting presidential address during inauguration of the workshop on 27th October, 2021.

TECHNICAL EVENTS

WORKSHOPS

Progressive Research on Design & Materials Under Conclave of Civil Engineering



Dr. Mahesh Bala Subramani, Assistant Professor Grade 1, Chief guest delivering the talk during inauguration of the workshop on 26th April, 2022.



Mr. B Ankith Kumar, Structural Design Engineering, Phoenix Construction technology Pvt. Ltd., Hyderabad, delivering an enlightening talk on "GREEN BUILDING FUTURE SCOPE AND DESIGN" in the 3rd session of day 2 of the workshop programme at St. Martin's Engineering College.



Mr. Kanaka Raju, Cantercadd, Suchitra, Hyderabad, delivering an enlightening talk on "Building Planning in 3Ds-Max Software in Civil Engineering" in the 2nd session of day 1 of the workshop programme at St. Martin's Engineering College.

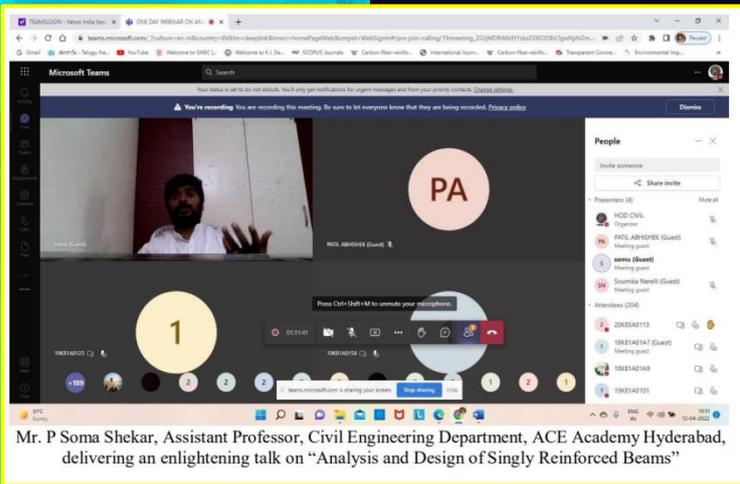


Workshop organizing committee - Valedictory Ceremony

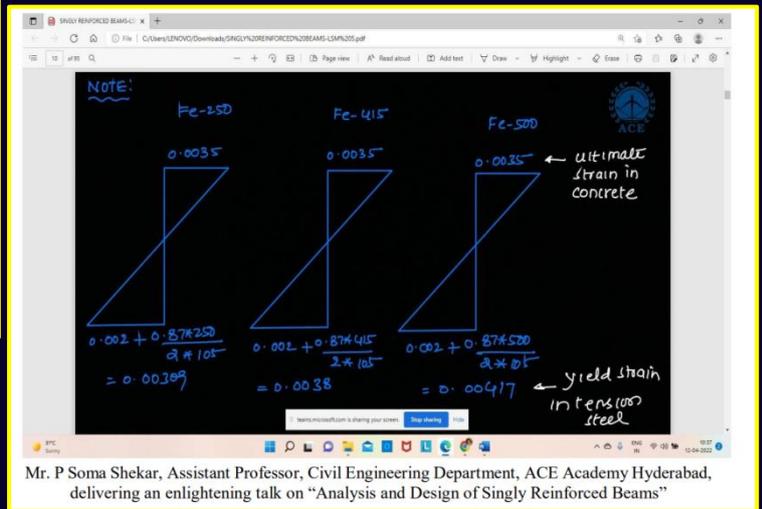
TECHNICAL EVENTS

WEBINAR & GUEST LECTURE

One - day Online Webinar on “Analysis and Design of Singly Reinforced Beams” under Institution of Engineers (India) [IEI]

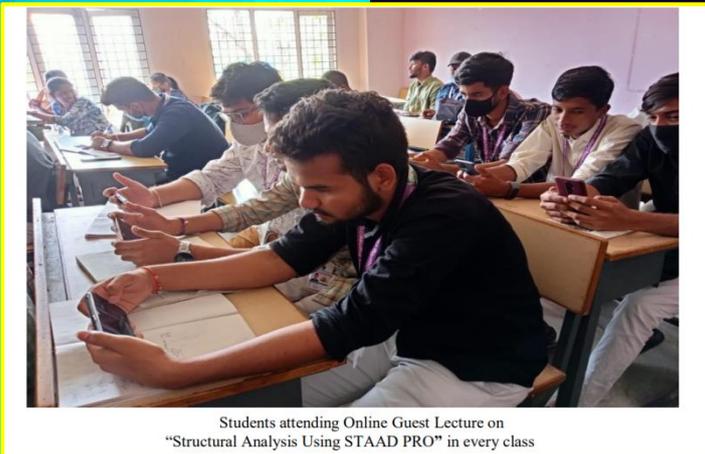


Mr. P Soma Shekar, Assistant Professor, Civil Engineering Department, ACE Academy Hyderabad, delivering an enlightening talk on “Analysis and Design of Singly Reinforced Beams”



Mr. P Soma Shekar, Assistant Professor, Civil Engineering Department, ACE Academy Hyderabad, delivering an enlightening talk on “Analysis and Design of Singly Reinforced Beams”

One - day Online Guest Lecture on “Structural Analysis Using STAAD PRO” under Institution of Engineers (India) [IEI]



Students attending Online Guest Lecture on “Structural Analysis Using STAAD PRO” in every class



Mr. Niraj D Mehtha, Associate Manager, Civil Structures, HIEE Pvt. Ltd. Hyderabad, delivering an enlightening talk on “Structural Analysis Using STAAD PRO”

IEI STUDENT CHAPTER

RECOGNITIONS

We Thank IEI Student Chapter Kolkata for encouraging us and recognising all our events and publishing in their newsletter

St. Martin's Engineering College (Telangana)

The IEI Students' Chapter of Civil Engineering Department of St. Martin's Engineering College organized a workshop titled "Software Applications in Civil Engineering – Illustrative Relevance of ETABS, AUTOCAD and STAADPRO etc." during 27-28 October 2021.

St. Martin's Engineering College (Telangana)

The IEI Students' Chapter, Civil Engineering Department of St. Martin's Engineering College organized 'Industrial Visit to Multipurpose Nagarjunasagar Dam Project (NSP), Nalgonda, Telangana on 11 December 2021.



Participants during the visit

The Chapter also organized an industrial visit to Telangana State Engineering Research Laboratories during 13-16 December 2021.



Participants during the visit

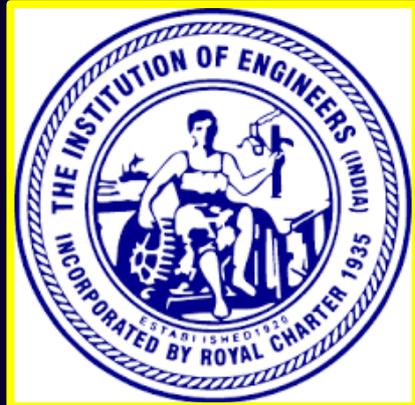
St. Martin's Engineering College (Telangana)

The IEI Students' Chapter of Civil Engineering Department of St. Martin's Engineering College organized one day online guest lecture on 'Structural Analysis using STAAD PRO' on 11 April 2022.



Screen-shot of the webinar

The IEI Students' Chapter also organized one day webinar on ' Analysis and Design of Singly Reinforced Beams' on 12th April 2022.



INDUSTRIAL VISITS

Telangana State Engineers Research Laboratory



Date: 13/12/2021 – 16/12/2021

IInd and IIIrd Year Students attended the industrial visit

Location: Telangana State Engineers Research Laboratory, Rajendranagar, Telangana

INDUSTRIAL VISITS

National Remote Sensing Agency



Date: 14/-06/2022 – 15/06/2022

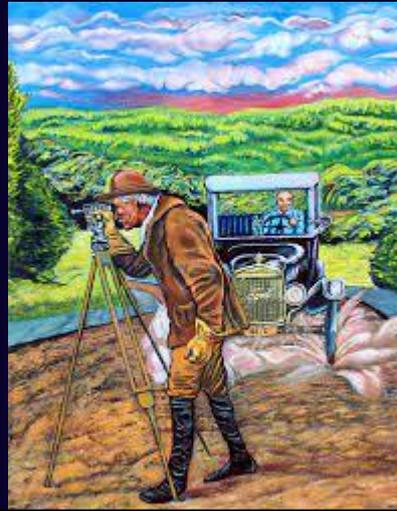
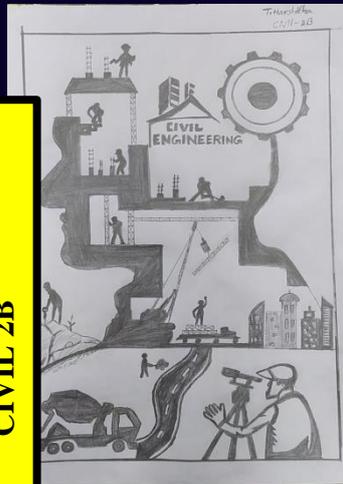
IInd and IIIrd Year Students attended the industrial visit

Location: National Remote Sensing Agency, Jeedimetla, Telangana

STUDENT CORNER

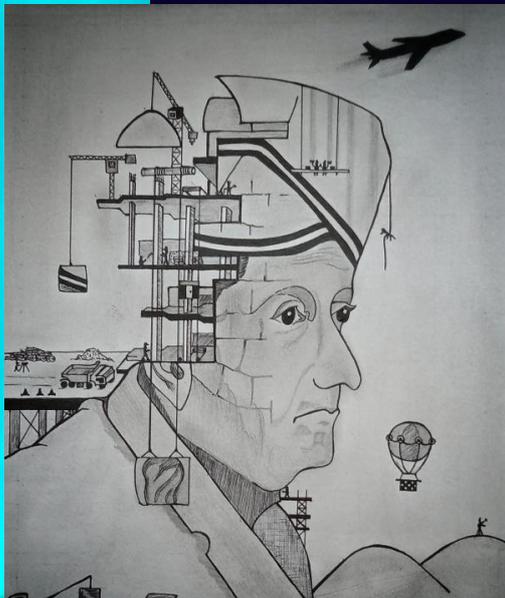
ART GALLERY

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CIVIL 2B**



**A. SRAVANI
CIVIL 3A**

**P. SAI PRANAY
CIVIL 3A**



**B. SANJANA
CIVIL 2B**



STUDENT CORNER

CELEBRATIONS

TRADITIONAL DAY
& FRESHERS DAY



STUDENT CORNER

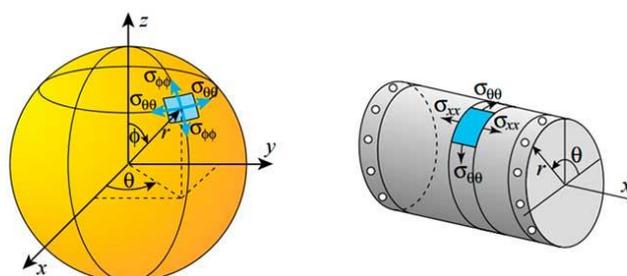
Stresses in Circular Cylindrical Masonry Shells



Md. ATEEB ADNAN
CIVIL 3A

There are innumerable examples of masonry vaults all over the world constructed centuries ago. Perhaps, the builders of those times had some empirical approaches in arriving them. The mechanics of vaults was explored only after the advent of classical theories of structures and elasticity. Later, several researchers contributed to the understanding of vaults. Masonry vaults continue to be adopted in modern construction, both for architectural purposes and to minimize the use of steel and concrete. Also, it uses minimal supporting system. The recent work on stress analysis of masonry cylindrical shells at Indian Institute of Science needs a special mention, whereas the analysis was based on two assumptions, viz. (i) the material is isotropic and (ii) a simple boundary condition at the springing level with no shear. However, it is well known that brick masonry is orthotropic in behaviour due to the nature of disposition of bricks along and across the bed joints. The orthotropic strength and elastic properties of various brick masonry are also now available. Hence, the present study looks at two aspects: (i) adopting the orthotropic properties for the analysis and (ii) modified boundary conditions by considering zero longitudinal displacements at the springing level. The studies were aimed at trying to understand and compare the stress resultants with that of the results from the earlier studies. It has been found that the results are somewhat different, and it is suggested that such an approach is better suited for the current material properties and practices.

Stresses due to Internal Pressure



Spherical Vessel

Cylindrical Vessel

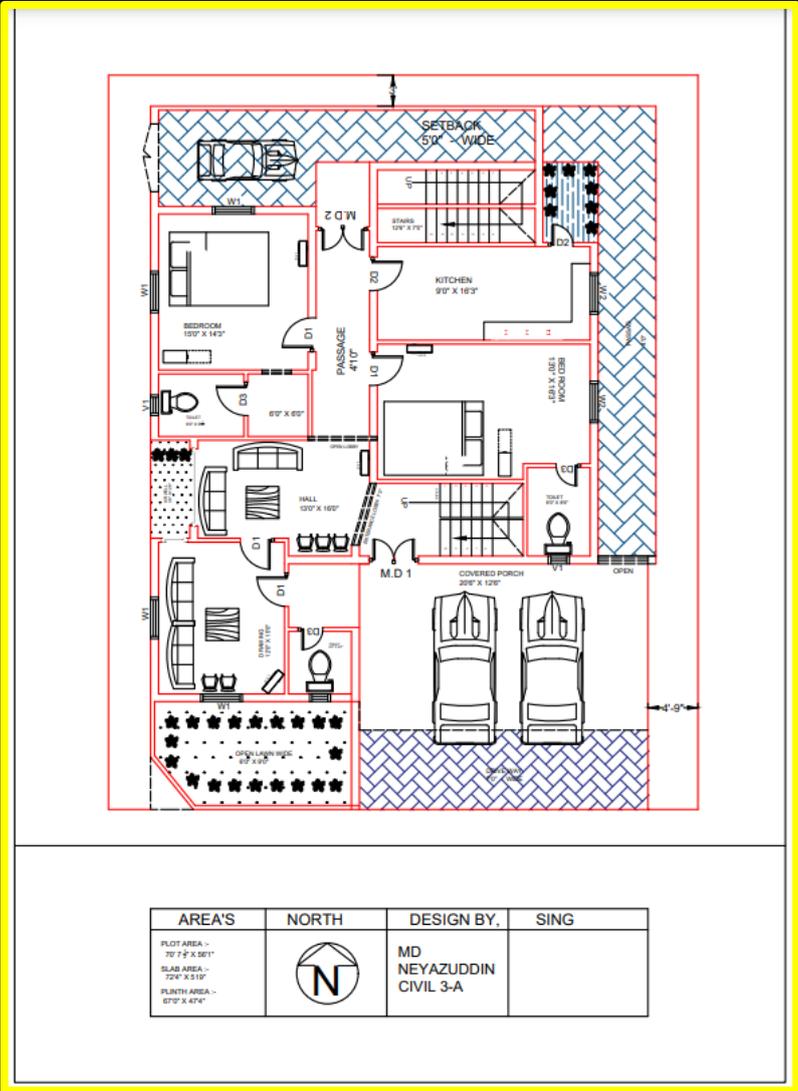
STUDENT CORNER

AUTO CAD FOR CIVIL ENGINEERS



**Md. NEYAZUDDIN
CIVIL 3A**

AutoCAD is a program extensively used by civil engineers and other professionals all over the world. It allows a designer to analyse, design and plan easily and efficiently. If you are a professional in this field or aspire to become a civil engineer, it might be beneficial for you to have a good understanding about AutoCAD and its features. In this article, we discuss what AutoCAD is, how AutoCAD is useful for civil engineers and some other software programs a civil engineer may use.



STUDENT CORNER

Remember your Creator



**SAKETH RACHURI
CIVIL 3A**

A poor hired labourer,
Or a wealthy contractor;
A road sweeper,
Or a civil engineer;
A biscuits hawker,
Or a business mogul;
A hungry, unkempt and unknown
beggar,
Or a well fed, finely turned out and
renown president;
Reaching for bright, limitless heights and
prospects,
Or groping for dark un-bottomed and
hopeless lows;
Remember your Creator
For eternity waits.
This life is not for ever.
Nay, it is but a pilgrimage.
Remember your Creator
In the days of your youth
Before the old and worn traveller
Lays to his rest and reward.
Good or bad, his reward is his just share
Remember your Creator.

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