

Chief Guest

Col. B. Venkat

Director, Faculty Development Cell, AICTE, New Delhi

Guest of Honour

Prof Vijay D Vaidya,

Executive Secretary, ISTE New Delhi

Resource Persons

Dr. N. Thillaiarasu, Associate Professor, School of Computing and Information Technology, REVA University, Bengaluru.

Mr. Vipul Parsana, Co-founder at IOT APPS VILLA and Founder Swat Info System, Rajkot, Gujarat, India.

Mr. Prathik Tirodkar, CEO/ Founder PNT solutions Mumbai.

Dr. Anbunathan Ramaiah, Founder & CEO DigiTran Solutions Bangalore, Karnataka.

CONTACT US

Prof. Ch. Ranga Rao

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St. Martin's Engineering College,
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Prof. Balaji D Tandle

Associate Professor, Department of ME,
St. Martin's Engineering College,
Dhulapally, Kompally, Secunderabad – 500100.

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Convener

Dr. D.V. Sreekanth, Professor & HOD, ME

Program Coordinators

Prof. Ch. Ranga Rao, Associate Professor, ME

Prof. Balaji D Tandle, Associate Professor, ME

Prof. B. Ashok, Assistant Professor, ME

Advisory Committee SMEC

Dr. S.V.S. Rama Krishnam Raju, Dean Academics

Dr. N. Ramchandra, HOD, EEE

Dr. D. Ranadheer Reddy, HOD, H&S

Dr. B. Hari Krishna, HOD, ECE

Dr. Nagaraju, HOD, IT

Dr. T. Poongothai, HOD, CSE

Dr. Y. Venkatarangaiah, HOD, MBA

Prof. Sandhya Kiran J, HOD, CIVIL

Organizing Committee

Dr. D. Ramana Reddy, Professor & Dean, R & D

Dr. B. Ravinaik, Professor, ME

Prof. B.T. Naik, Associate Professor, ME

Prof. T. Paramesh, Associate Professor, ME

Prof. Bojendra Naik, Associate Professor, ME

Prof. T. Tulasiram, Assistant Professor, ME

Prof. Ch. Nagaraju, Assistant Professor, ME

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Prof. K. Sunitha, Assistant Professor, ME

Prof. R. Hanuma Naik, Assistant Professor, ME

Prof. L. Sunil, Assistant Professor, ME

Prof. K. Archana, Assistant Professor, ME

Prof. Venkat Harish, Assistant Professor, ME

Prof. Dileep Panchal, Assistant Professor, ME

Prof. K. Hemalatha, Assistant Professor, ME



AICTE-ISTE Sponsored 6 Days Online Induction Program On Manufacturing Role of Blockchain & Cyber Security in Digital Manufacturing

20th – 26th May 2021



Organized by Department of Mechanical Engineering St. Martin's Engineering College An Autonomous Institute

A Non Minority College | Approved by AICTE | Affiliated to JNTUH, Hyderabad | NAAC-Accredited 'A+' Grade | 2(f) & 12(B) status (UGC) ISO 9001:2008 Certified | NBA Accredited | SIRO (DSIR) | UGC-Paramarsh | Recognized Remote Center of IIT.
Dhulapally, Secunderabad – 500100
www.smec.ac.in

About the College

SMEC is a prestigious Autonomous (UGC-Govt of India) engineering college offers B.Tech in CSE (240), IT (180), ECE (240), EEE (60), MECHANICAL (180), CIVIL (120), CSE- AI & ML (60) and MBA (120) with an intake of 1080 (UG) and 120 (PG) students per year. SMEC with a motto of providing Quality Education in a highly disciplined and conducive environment with International Standards. SMEC is awarded with prestigious grade A+ from NAAC (only 27 colleges in India, awarded A+ grade by NAAC), NIRF& ARIIA ranked Institute. Programs are accredited with NBA. Faculty of SMEC strictly follows the outcome base education and makes the learning process as student centric. The remarkable achievement by the faculty members and students of the college that they have published 61 books, 6800 research papers and 161 patents. The crowning glory in academic excellence was achieved by bagging gold medals from University every year. Institute has Signed more than 100 MoU's with major companies' and institutions. 138 innovative products are developed by students and faculties. SMEC has a strong vision of offering world class training to the promising engineers and Management professional.

SMEC has received 28.14 lakhs from UGC under UGC-PARAMARSH. As a Paramarsh (mentor), presently we are guiding 10 institutions for quality improvement and going for NAAC assessment. In addition to regular university curriculum, every department incorporates micro projects, technical seminars, Extra C-programming, soft skills and aptitude training for all the students to enhance their employability skills. The Institute excels in supporting "Research initiatives among students and faculty members" and "Entrepreneurship drive among students" which makes SMEC as one of the best institutions to enhance the performance of the students. In the area of research funding of Rs. 21.46 Lakhs received from SERB, Government of India, Consultancy project worth of Rs. 444 Crores received from GHMC – Hyderabad, Government of Telangana. Recently Rs.15 lakhs funding from AICTE also received. Adding feather in the cap, now SMEC students started receiving international award and funding (4000 USD) from George Mason University Virginia, USA for our best start up. With its belief in **holistic** approach to excellence, the institute offers distinct Teaching-Learning Process to push the boundaries of human knowledge. The Institute excels in supporting "Research initiatives among students and faculty members" and "Entrepreneurship drive among students". In support of the research, curriculum framework, outcome-based education and well experienced faculty members and coordinators who can train perfectly related to the OBE & other assessment process and capable of acting as a mentor coordinator for training the Mentee Beneficiary Institute.

About Department

The Department of Mechanical Engineering has been established in the year 2009, with a sanctioned strength of 60 students and current strength is 180. The branch has established state of the art facilities / laboratories enabling students learning effectively. The latest software's like AutoCAD, SOLID WORKS, CATIA, PRO-E, UG and ANSYS are available to train the students and make them industry ready. Some of the innovative projects we got first prizes Abdul Kalam innovation at Vishnu institute of technology, Andra Pradesh and NIRD, RISC 2018, NIRD 2019. Our students designed and fabricated DIRT RIDERS participated in BAJA 2020. One of our student Ms N Laxmi Harika has been awarded gold medal from JNTUH for academic excellence in the year 2017. Other than academics the students are exposed to advanced topics in mechanical engineering through guest lectures by Industry experts.

About the Program

Traditional manufacturing security solutions have emphasized network segmentation and network security, together with intrusion detection. These are valid forms of security, but they do not on their own provide the foundation for digital transformation. Manufacturers need granular control down to the level of individual machines and individual data streams so that sharing, multi-location and real-time multi-party cooperation can be fully and safely enabled. The blockchain approach leveraged by Xage Security Fabric ensures data authenticity by guaranteeing the data's originating source, integrity by ensuring data content has not been changed, and privacy by ensuring authorized access only.

Advisor

Sri Ch. Malla Reddy, Minister, Labour & Employment, Factories, Telangana State, India

Chief Patrons

Sri. M. Laxman Reddy, Chairman
Sri.G. Narasimha Yadav, Treasurer
Sri. Ch. Mahender Reddy, Secretary & Correspondent
Sri. G. Chandra Sekhar Yadav, Executive Director
Sri. M. Rajasekhar Reddy, Director
Sri. G. Jai Kishan Yadav, Director
Sri. G. Raja Shekar Yadav, Director

Patron & Program Chair

Dr. P. Santosh Kumar Patra, Principal.

Topics Covered

- Network Security & Cyber-attacks
- Digital Manufacturing
- Blockchain & cryptocurrency Bitcoin
- Cybersecurity for smart manufacturing
- Block chain application in manufacturing
- Manufacturing Cybersecurity best practice
- Security solutions for manufacturing business
- Effective Supply Chain Management by using Black chain technology
- Digital Manufacturing role of 5G
- Industrial manufacturing security solutions
- Impact of OT and IT convergence on Manufacturing
- Research opportunities in Cybersecurity and black chain technology in manufacturing

Registration Fee: Free of cost for ISTE Members

Last Date for Registration: 18th May 2021

✓ E-Certificate by AICTE-ISTE will be provided to the Participants after submission of feedback form & successful completion of online examination.

✓ Workshop will be conducted in Microsoft Teams App.

Registration Link for AICTE-ISTE Induction Program: <https://forms.gle/AmAfT1tfUE8CSnv7>



St.Martin's Engineering College
(An Autonomous Institute)
Dhulapally, Kompally
Secunderabad-500100



**AICTE-ISTE Sponsored
6 Days Online
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on

**Role of Blockchain & Cyber Security
in Digital Manufacturing**

20th – 26th May 2021

REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

College / Industry _____

ISTE Membership Number _____

AICTE Faculty ID _____

AICTE ID of the Institution _____

Phone: _____

E-Mail id : _____

Signature of the Participant _____

Place:

Date: