

About the College

St. Martin's Engineering College, an Autonomous Institution, situated in an eco-friendly environment, with state-of-art infrastructure. College has achieved the prestigious grade A+ from NAAC, UGC Paramarsh mentor, NBA accredited, NIRF Ranked, ISO certified, DSIR Recognition, Remote center of IIT Bombay, Member of CII and MSME certified Institution. Signed more than 82 MoUs with major companies' and institutions. Careers 360 Certified as AA+; Competition Success Review Ranked 3 out of 20; Career Connect Ranked 13 'Best Engineering Colleges of India and Wikipedia Ranked 8th in Telangana. The college is bestowed with the glorious Governor Award twice; The Engineering Educators' Award 2019; NIRDPR Award (Govt. of India); IDF Best Partner Award; Dewang Mehta Award; TCS ION Award; CSI Award (Students Chapter); Best Innovation by Federation of Gujarat Industries and Street Cause-Most Dedicated Division. Best Sports College by Stumagz, Telangana, National Leadership Excellence Award- 2019 by ICCI.

About Department

The Department of EEE was started in the year of 2002 with an intake of 60. The Department is endeavoring to produce highly trained and capable engineers, who can take up the challenges of the real world. The Department focuses on uncompromising academic standards in imparting both theoretical and practical instructions with a view to prepare professional engineers. The department has been accredited by the National Board of Accreditation (NBA) since 2008. The Department is actively engaged in research. The efforts are directed towards reorienting the laboratories to establish close relation with industry. The department is striving hard to attain & sustain as a center of excellence in Electrical engineering education & research with a holistic approach. The Department has its own Technical Association, BETA to enhance the professional competence of students. Alumni Chapter is in existence and many of our alumni are pursuing their higher studies in IITs and reputed universities abroad. More than 90% of the eligible students are being placed in reputed companies every year.

Scope of CONFERENCE

The Recent Development in Power Engineering, for its enormous impact on the next generation and energy consumption has been highly focused research and deployment venture which paved way for inter-disciplinary research in electrical, electronics, computer, instrumentation, automation, and communication engineering. The conference aims at the coagulation of research ideas in monitoring, metering, sensing, automation, communication, information security and IOT aspects of Power Engineering besides the ideas of renewable power integration and power system re-structuring and electric vehicles. Expert talks are planned for exchange of ideas and sharing expertise. The conference serves to be better platform to enrich research activities towards Recent Developments in Power Engineering.

Advisor

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

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

Dr. P.Santosh Kumar Patra, Professor & Principal
St. Martin's Engineering College
Dhulapally, Kompally, Secunderabad – 500100, INDIA

For Publication, Registration, Certificate & e-Proceedings:

Last date for Paper Submission: 19-06-2021

Notification of Acceptance: *Within 05 days after submission*

Camera Ready Paper & Registration: 03-07-2021

Faculty / Research scholars / Students: ₹ 3500/-

Delegates from Industries: ₹ 4000/-

For Foreign Delegates: \$ 100/-

All registered papers will be published in Conference proceedings **ISBN number, UGC care** journals, and selected high quality paper will be published in **SCOPUS INDEXED** journal with free of cost.

Registration Kit, Proceedings with ISBN number (soft copy), International Certificate of Publication (Hard Copy) and Conference Kit will be provided to all the registered papers.

PAPER SUBMISSION:

Authors are requested to mail the soft copy of full-length paper along with your valid mobile number to: icrdpe21eee@smec.ac.in



**St. MARTIN'S
ENGINEERING COLLEGE
(UGC AUTONOMOUS)**



**International Conference
on**

**“Recent Developments in Power
Engineering (ICRDPE - 21)”
(Online Mode)**

09th & 10th July 2021



Account Details:

PRINCIPAL, ST MARTIN'S ENGINEERING COLLEGE

Account No: 30667640268(Current)

Bank Name: SBI, Kukatpally, Hyderabad.

IFSC code: SBIN0011664

Swift Code: SBININBB725 (Only for International authors)

* Paytm option is also available:



Call for Papers.

Prospective authors are invited to submit full length original manuscripts limited to 6 pages (which have not been submitted or published elsewhere in other conferences / journals) in IEEE format. Submissions shall include title, abstract, keywords, author, and affiliation with email address. The conference covers wide range of topics under power Engineering, Smart and Micro-grids, Electric Vehicles including, *but not limited to, the following:*

Power Engineering & Electricity Markets: Generation and transmission expansion, Pricing of electricity, Power markets, Smart meters, Decentralized control of micro-grids, Power System Communication, DC micro-grids, Power Quality, HVDC & FACTS Devices

Power Electronics & Converters: Converters for Renewable Energies, Emerging Power Semi-Conductor Devices, Modular multi-level converters,

Electric Vehicles & Transportations: Communication Protocols for Electric Vehicles, Modelling, Simulation and Control of EV Systems,

All Registered papers will be published with free of cost in UGC CARE List 1 journals.

- Kala Sarovar Journal
 - Shodh Sanchar Educational & Research
 - New Horizons
 - Jijinasa
 - The Journal of Oriental Research Madras
- and many more in the list....

***Selected Very High-quality papers will be published for free of cost in SCOPUS Indexed Journals.**

- International Journal of Modern Education and Computer Science
- Turkish Journal of Computer & Mathematics Education
- Turkish Journal of Physiotherapy and Rehabilitation
- Solid State Technology
- PalArch's Journals and many more in the list...

Contact

Mr. G. Sridhar Babu

Associate Professor / EEE

Mob: +91 95502 66216

Email Id: sridharbabuthaeee@smec.ac.in

Mr. K. V. Govardhan Rao

Assistant Professor / EEE

Mob: +91 70956 65444

Email. Id: govardhaneee@smec.ac.in.

Convener

Dr. N. Ramchandra

Professor & HOD

Department of Electrical & Electronics Engineering

St. Martin's Engineering College

Dhulapally, Kompally, Secunderabad – 500100, India

Chief Guest, Keynote Speakers

Mr. V. Sampath Kumar

Assistant Manager

Automation & Reporting, Bayer Crop Science Ltd

Bangalore, Karnataka - India

Advisory Committee

Dr. S.V.S. Rama Krishnam Raju, Professor & Dean
Academics, ECE

Dr. D.V. Sreekanth, Professor & HoD, MECH

Dr. B. Hari Krishna, Professor & HoD, ECE

Dr. D. Ranadheer Reddy, Professor & HoD, H&S

Dr. Y. Venkata Rangaiah, Professor & HoD, MBA

Dr. R. Nagaraju, Professor & HoD, IT

Dr. M. Narayanan, Professor & HoD, CSE

Dr. T. Poongothai, Professor & HoD, CSE(AI&ML)

Ms. J.K.Sandhya Kiran, Asst. Prof. & HoD, CIVIL

Program Coordinators

Mr. G. Sridhar Babu, Assoc. Prof / EEE

Mr. K. V. Govardhan Rao, Asst. Prof / EEE

Mrs. S. Trilochana, Asst Prof / EEE

Mr. N. Daniel Manoj, Asst Prof / EEE

Ms. Ms. P. Priyanka, Asst Profr /EEE

Organizing Committee

Mr. CH. Srinivas, Assoc. Prof / EEE

Mr. V. Sunil Kumar, Assoc. Prof / EEE

Mrs. Sangeetha C. N, Asst. Prof / EEE

Ms. T. V. Sai Kalyani, Asst. Prof / EEE

Mr. T. Penchalaiah, Asst. Prof / EEE

Mr. V. Vishnu Vardhan, Asst. Prof / EEE

Mrs. G. Esha, Asst. Prof / EEE

Ms. CH. Nirosha, Asst. Prof / EEE

Mr. B. Sampath Kumar, Asst. Prof / EEE



IEEE



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

International Conference

on

**“Recent Developments in Power
Engineering (ICRDPE - 21)”**

(Online Mode)

09th & 10th July 2021



Organized by

**Department of Electrical & Electronics
Engineering**

**St. MARTIN'S ENGINEERING COLLEGE
(UGC AUTONOMOUS)**

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, India

www.smec.ac.in