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Department of Electrical and Electronics Engineering



2024

NEWSLETTER

VOL. 3 ISSUE -1

EN 'LIGHT'

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About College

St. Martin's Engineering College (SMEC) was established in 2002 by St. Martin's Children's Education Society. SMEC offers 6 B. Tech Courses. Such as B. Tech in CSE (600), CSE- AI & ML (300), CSE-DS (120), CSIT (120), ECE (240), EEE (30) with an intake of 1410 (UG) students per year. SMEC is a prestigious Autonomous (UGC-Govt of India) engineering college and first choice by aspiring students and parents. Since inception, SMEC with a motto of providing Quality Education in a highly disciplined and conducive environment with International Standards. It is a beautiful, unique & ineffable place which exudes positive energy, spiritual epiphany, sense of serendipity and produces intellectual, cultural, social giants & academic leaders.

SMEC is awarded with prestigious grade A+ only 27 colleges in India, awarded A+ grade by NAAC), NIRF ranked, National ranking by ARIIA, 2(f) & 12(B) Recognized by UGC Act of 1956, All courses are NBA accredited, Permanently Affiliated to JNTUH, Approved by AICTE, only young college in Telangana to receive UGC-Paramarsh, ISO certified, DSIR Recognition, J-Hub certified (JNTUH), TASK certified (Govt of Telangana), Part of Institute Innovation Council (MHRD-Govt of India), Remote Centre of IIT Bombay, Member of CII and MSME certified Institution. Signed more than 108 MOUs with major companies' and institutions. Careers 360 Certified as AAA+; Competition Success Review Ranked in top 3; and Wikipedia Ranked 2nd in Telangana. SMEC is bestowed with the glorious Governor Award Thrice; The Engineering Educators' Award ; 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, Street Cause-Most Dedicated Division, Best college award from Education Matter, Best College in sports facility and achievement by Stumagz, Telangana, National Leadership Excellence Award by ICCI. Best Engineering College by American College of Dubai, Dubai. Rs. 21.46 Lakhs received from SERB, Government of India, Consultancy project worth of Rs. 594 Crores received from GHMC – Hyderabad, Government of Telangana. Only college to receive Consultancy work worth of 150 Crores from HMWSSB, Hyderabad, Government of Telangana. Recently, Rs.25 lakhs funding was also received from AICTE. Adding feather in the cap, now SMEC students started receiving international awards and funding (4000 USD) from George Mason University Virginia, USA for our best start up, Rs.1.3 crores funding received from MSME, Govt. of India.

The remarkable achievement by the faculty members of the college is that they have published 270+ books, 12886+ research papers, 288+ patents, 108+ copyrights and 50, 000+ international certification courses. The crowning glory in academic excellence was achieved by bagging gold medals from university every year. 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 professionals. SMEC is situated in an eco-friendly environment, the college has the best infrastructure. 100% ragging free campus.



About Department

The Department of Electrical and Electronics Engineering (EEE) was started in the year of 2002 with an intake of 60. The Department is endeavouring 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 B. Tech (Electrical and Electronics Engineering) Program has been accredited by the National Board of Accreditation (NBA) since 2008.

The faculty strives to foster and encourage a teaching methodology that is both practical and theoretical in approach tuning to the requirements of the latest developments in research and industry in the field of Electrical and Electronics Engineering. The Department is actively engaged in research. The efforts are directed towards reorienting the laboratories to establish close relation with industry. The department organizes short term training programs, seminars, workshops, guest lectures by Industry Experts, technical & non-technical student fests periodically. The department is working for the improvement of Industry – Institute Interaction in terms of academics & research and also for the development of infrastructure to match the needs of the industry. The department is striving hard to attain & sustain as a centre of excellence in Electrical engineering education & research with a holistic approach. The faculty has published more than 114 number of papers in reputed journals and conferences, 20 number of books, 2 number of book chapters and also 30 number of patents.

The Department has its own Technical Association, Beta to enhance the professional competence of students. The association organizes activities like lectures by distinguished industrialists, academicians, and practitioners of the profession, competitions for the students throughout the year. The association also conducts seminars, Guest Lectures and workshop. Through this the students will learn how to participate in these activities and get awareness of technical presentation and participation in group discussions.

Industrial visits are regularly organized to enhance the practical knowledge of the students and keep them abreast with the latest technological applications in various industries so that their employability skills are enhanced. Over the last three years the department was organized 12 industrial visits and 179 internships for the B.Tech. students



VISION

Develop Electrical and Electronics Engineering department as a center of excellence by imparting quality education to the students, to enable them globally competitive.



MISSION

Create an environment where students excel in skill and knowledge development, to convert them as successful entrepreneurs with managerial ability, to train them to have all round personality development to work efficiently in any team, and to provide a platform for interaction between academic scholars and industry for best research achievements.



EDITOR IN CHIEF



Dr. P. Santosh Kumar Patra
Professor and Group Director

Dear all,

Greetings from St. Martin's Engineering College.

It gives me an immense pleasure to share with you the highlights of Electrical and Electronics Engineering (EEE) Department. The Department of EEE has done a fabulous job of creating this informative and valuable newsletter EN 'LIGHT' Edition 5. This edition of the Newsletter reports the significant activities carried out by faculty, students and Alumni in the areas of teaching and Learning, Research and Development and Industry Interaction, Sports and Cultural activities. The department has organised technical events, Non- Technical Events and Industrial Visits to enhance the knowledge of the students. The faculty and the students have contributed their research work in various areas of Electrical and Electronics, 6 books and 8 NPTEL courses in the last 6 months. I hope this effort will definitely enrich our environment with academic diligence.

I wish all the best for the academic, research and developmental activities in the department to achieve greater heights. I appreciate the efforts put in by editorial board of Electrical and Electronics Engineering to bring out the Fifth edition of newsletter EN 'LIGHT'. My best wishes to the department for the future endeavours.

PRINCIPAL MESSAGE



Dr. M. Sreenivasa Rao
Principal

As we embark on a new year filled with promise and potential, I extend a warm welcome to each of you by our Newsletter – EN 'LIGHT'. The Department of Electrical and Electronics Engineering journey towards excellence in education continues. I am thrilled to witness the dedication and enthusiasm that our students, staff, and parents bring to our learning community. As we navigate the challenges and celebrate the triumphs ahead, let us remain steadfast in our commitment to fostering a nurturing and innovative environment where every individual can thrive. Let's embrace the opportunities for growth, collaboration, and success this year holds. Thank you for your unwavering support, and I look forward to another year of inspiring achievements.

HOD MESSAGE



Dr. N. Ramchandra
HOD, EEE

Warm Greetings!!

I am very much pleased to initiate our department's official newsletter EN 'LIGHT' Edition 5. The newsletter invites a wider readership in the institution. The name and fame of the department and the institution depends on the caliber and achievements of the students and faculty members. The essential purpose of a Department Newsletter EN 'LIGHT' is to inform, engage, inspire and entertain a diverse readership-including Alumni, parents, students, faculty of the department and college. We continued to excel in teaching, research, cultural and service activities. I wish to record my hearty congratulations to those who have brought laurels to the Department, appreciate all of you for working together as a team. Let this newsletter be a forum to exhibit the potential of students and faculty members with their literary skills and innovative ideas.

FACULTY MESSAGE



Celebrating a momentous achievement, our Electrical and Electronics Department proudly presents the Fifth edition of our Newsletter, EN "LIGHT" for the year 2024. This remarkable endeavour stands as a testament to the diverse technical expertise and analytical prowess of our esteemed faculty and emerging engineers. With each edition, we illuminate the latest advancements and insights in our field, showcasing our dedication to excellence. Congratulations to the entire team on this accomplishment, and here's to many more enlightening Newsletters in the future

ALUMNI MESSAGE

Hello Everyone

I am Vadla Sai Kowshik, a Junior Automation Engineer at DIA Automation. I pursued my B.Tech. in the Department of Electrical and Electronics Engineering, St. Martin's Engineering College from 2021- 2024. I have actively participated in numerous workshops and hackathons hosted by various colleges and have undertaken many projects. I am thrilled to contribute to this newsletter and share my journey. My experiences have not only honed my technical skills but also allowed me to collaborate and innovate alongside peers and professionals of SMEC. As an alumnus, I am excited about the department's achievements and am always eager to support and contribute to its growth. I look forward to seeing our department reach new heights in the future.





Mr. K. V. GOVARDHAN RAO, Assistant Professor, EEE has Participated in the following events and received certificates

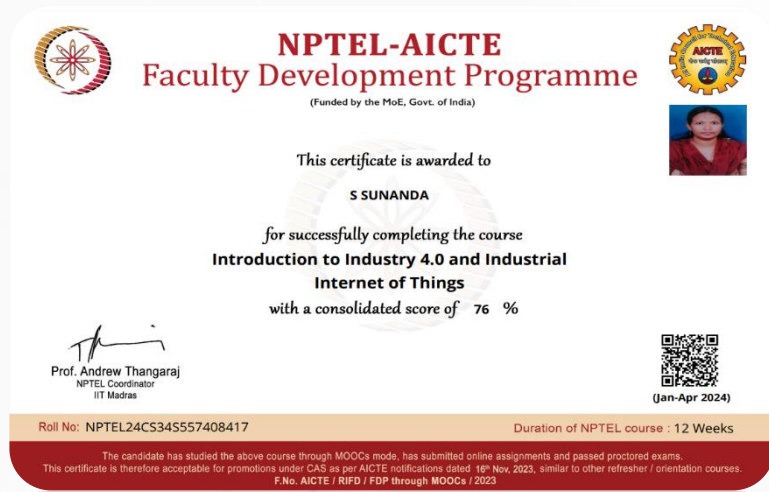
1. Five-day national level professional/faculty development programme.
2. 2nd International Conference on integrated circuits and communication systems (ICICAS-2024).
3. International Conference on Distributed Computing and Optimization Techniques (ICDCOT-2024).
4. International Journal of Power Electronics and Drive Systems.



Mrs. T. V. SAI KALYANI, Assistant Professor, EEE has Participated in the following events and received certificates

1. Five-day national level professional/faculty development programme.
2. 2nd International Conference on integrated circuits and communication systems (ICICAS-2024).
3. International Conference on Distributed Computing and Optimization Techniques (ICDCOT-2024).
4. International Journal of Power Electronics and Drive Systems.

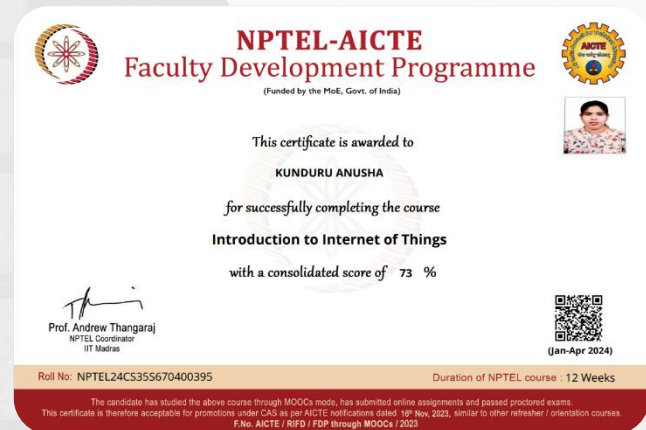
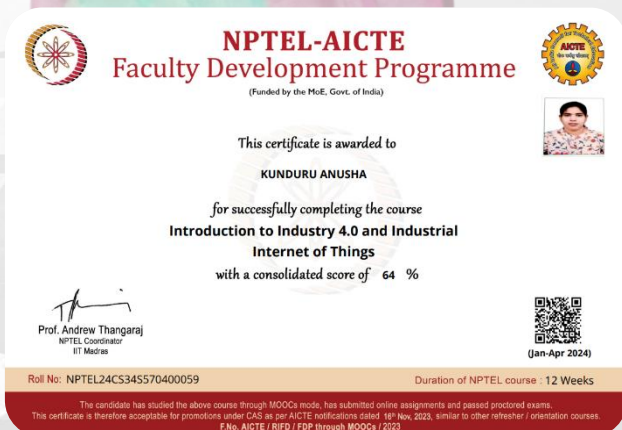




Mrs. S. SUNANDA, Assistant Professor, EEE participated in FDP program, Introduction to Industry 4.0 and Industrial Internet of Things.

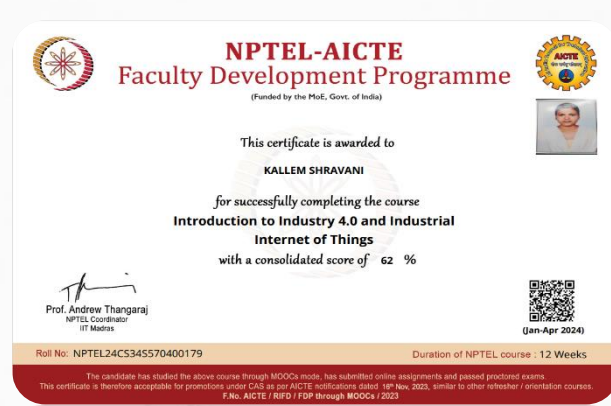
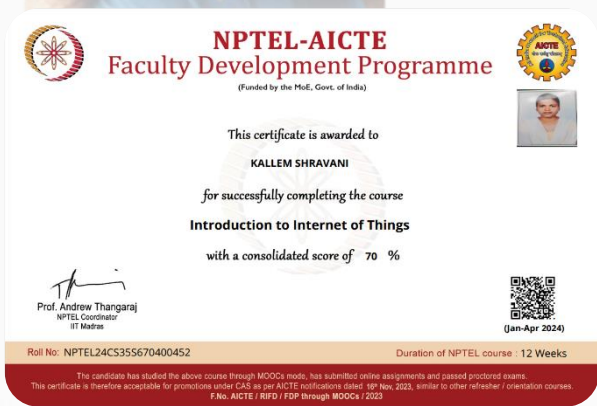


Mrs. K. Anusha, Assistant Professor, EEE has participated in two FDP programs, Introduction to Industry 4.0 and Industrial Internet of Things and Introduction to Internet of Things.





Ms. K. Shravani, Assistant Professor, EEE has participated in two FDP programs, Introduction to Industry 4.0 and Industrial Internet of Things and Introduction to Internet of Things.

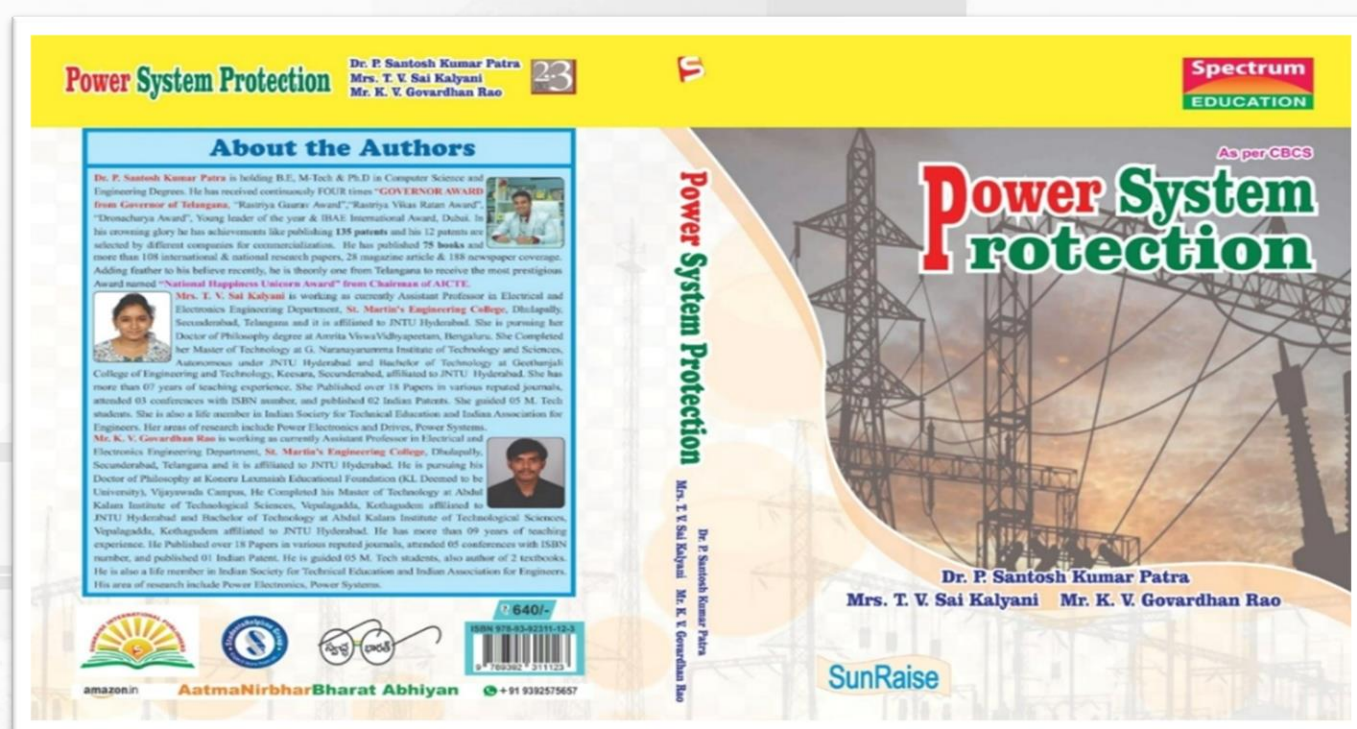


Mrs. B. Chandra Rakhee, Assistant Professor, EEE has reviewer for the Journal of Engineering Research and Reports and peer reviewer for the B. P. International. She is also Part of the World Record for Most Viewers for a YOGA Live Stream on YouTube.



TEXT BOOKS

S. No	Name of the Author	Title of the Book	Publication with ISBN number	Year
1	Dr.N. Ramchandra	Power Systems-I	Spectrum Education	2023
		Electrical Machines-I	Spectrum Education	2023
		Electro Magnetic Fields	Spectrum Education	2023
2	Mr. N. Daniel Manoj	Electrical Measurements and Instrumentation	Spectrum Education	2023
3	Mrs. T. V. Sai Kalyani	Electro Magnetic Fields	Spectrum Education	2023
		Electrical Measurements and Instrumentation	Spectrum Education	2023
4	Mr. K. V. Govardhan Rao	Power Systems-I	Spectrum Education	2023
		Power Systems-II	Spectrum Education	2023
		Power System Protection	Spectrum Education	2023
5	Mr. V. Vishnuvardhan	Network Analysis and Synthesis	Spectrum Education	2023
		Electrical Machines-I	Spectrum Education	2023
		Electrical Machines-II	Spectrum Education	2023
6	Ms. CH. Nirosha	Network Analysis and Synthesis	Spectrum Education	2023
7	Ms. P. Priyanka	Network Analysis and Synthesis	Spectrum Education	2023
8	Mrs. S. Sunanda	Basic Electrical Engineering	Spectrum Education	2023
		Electrical Machines-II	Spectrum Education	2023
9	Mrs. K. Shravani	Power Systems-II	Spectrum Education	2023



Electrical Measurements and Instrumentation Spectrum EDUCATION

Dr. M. Vaigundamoorthi
Mr. N. Daniel Manoj
Mr. G. Bala Chandraiah

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About the Authors

Dr. M. Vaigundamoorthi, M.E., Ph. D is currently working as Professor in Electrical and Electronics Engineering and Controller of Examinations in **St. Martin's Engineering College**, Secunderabad. He also worked as Professor and Internship training & placement coordinator in EEE department at Madhavapalle Institute of Technology & Science Madhavapalle, AP. He has received Ph.D. in Department of Electrical and Electronics Engineering from College of Engineering, Gandy, ME in Power electronics and Drives specialisation from College of Engineering Guindy and B.Tech in the Department of Electrical and Electronics Engineering from Annamalai Kalasalingam College of Engineering, Madurai, Tamilnadu. He has more than 16 year of teaching experience in various reputed organizations. He has published 10 publications 2 SCI and 3 Scopus in various International journals and conferences. His research interests are Power electronics and drives, Renewable energy sources.

Mr. N. Daniel Manoj is currently working as Assistant Professor and Placement Coordinator in Department of Electrical and Electronics Engineering, **St. Martin's Engineering College**, Secunderabad. He has received Master of Technology in Power Electronics from the JNTU University, Kakinada, Andhra Pradesh and Bachelor of Technology in Department of Electrical and Electronics Engineering from the JNTU University, Kakinada, Andhra Pradesh. He has 9 years of teaching experience. He has written two text books titled "Network Analysis and Transmission Lines" and "Power System 1". Published 2 patents, 2 IEEE papers and 20 research Publications in various reputed National, International journals and Conferences. His research areas include Power electronics, Power systems and his main research interests are modern trends in Electric Vehicle Technology.

Mr. G. Bala Chandraiah has been working as an Assistant Professor in the Department of Electrical and Electronics Engineering, **St. Martin's Engineering College**, Dhalupally, Kompally, Secunderabad, Telangana, India for the last 01 years. He completed his M.Tech. in Power Electronics in 2016 from RAJAMAHENDRA COLLEGE OF ENGINEERING Affiliated to Osmania JNTU HYDERABAD and he completed his B.Tech with Electrical and Electronics Engineering in 2013 from Adhoka Institute of Engineering and Technology, Malkajpur Nalgonda, affiliated to JNTU Hyderabad. He published 01 research papers in reputed International Journal of Research. His Total experience in teaching is 06 years.

As per CBCS

Electrical Measurements and Instrumentation



**Dr. M. Vaigundamoorthi
Mr. N. Daniel Manoj
Mr. G. Bala Chandraiah**

730/-

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Basic Electrical Engineering Spectrum EDUCATION

Mrs. S. Sunanda
Mrs. Ch. Shilpa

23

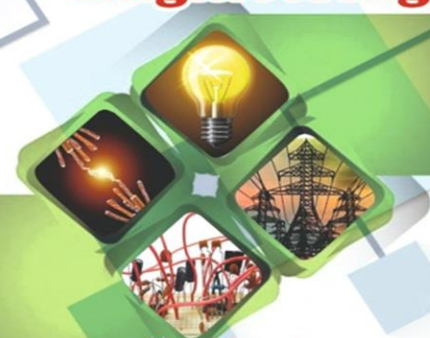
About the Authors

Mrs. S. Sunanda has been working as an Assistant professor in the Department of Electrical and Electronics Engineering, **St. Martin's Engineering College**, Dhalupally, Kompally, Secunderabad, Telangana, India. She Completed M.Tech in CONTROL SYSTEMS at JNTU, Anantapur, AP in 2005 and She Completed B.E in Electrical & Electronics Engineering in 2001 from OUCE, Hyderabad, Telangana. She has published 3 research papers in reputed National and international journals. She has Published one Patents. Her areas of interest are Control system, Electric Circuit and Measurement. She has 10 years of teaching experiences.

Mrs. Ch. Shilpa Graduated in Electrical & Electronics Engineering from NALGONDA INSTITUTE OF TECHNOLOGY & SCIENCES, Affiliated to JNTUH, NALGONDA, TELANGANA, and obtained her Master's Degree from Dhruva engineering college, Affiliated to JNTUH specializing in power electronics. Currently, she is working as an Assistant Professor of Electrical and Electronics Engineering Department, **St. Martins Engineering college**, Dhalupally, Secunderabad, Telangana affiliated to JNTU, Hyderabad. She has 6 years of teaching experiences.

As per CBCS & NEP

Basic Electrical Engineering



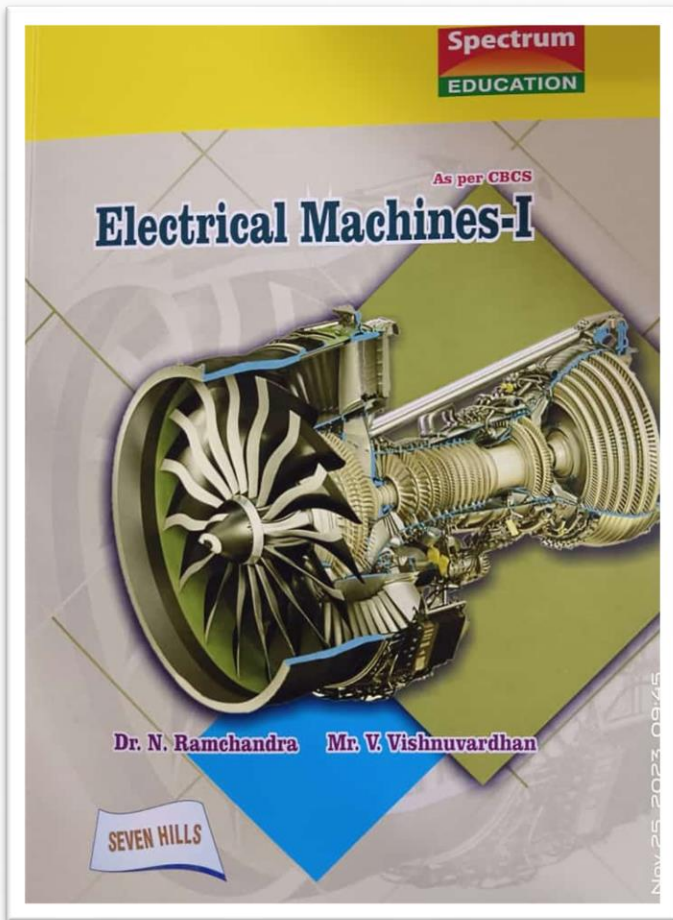
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Mrs. Ch. Shilpa**

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Sun Techno




Electrical Machines-I 23
 Dr. N. Ramchandra
 Mr. V. Vishnuvardhan

About Authors



Dr. N. Ramchandra is currently working as Head of the Department and Professor in Electrical and Electronics Engineering, **St. Martin's Engineering College**, Secunderabad. He also worked as Deputy Manager, Quality Systems in Navanidhi Electronics Pvt Ltd, Hyderabad. He has received Ph.D. in Department of Electrical and Electronics Engineering from BITS PILANI Hyderabad campus, Hyderabad, M.Tech. in Power System specialization from KL Deemed to be University Guntur, Andhra Pradesh and B.Tech. in the Department of Electrical and Electronics Engineering from Acharya Nagarjuna University. He has written a text book titled "Basic Electrical Engineering", "Electrical Circuit Analysis", published 6 patents and more than 30 publications in various International journals and conferences. His research interests are Power Systems, Power Quality and FACTS Devices.



Mr. V. Vishnuvardhan, working as Assistant professor in the department of Electrical and Electronics Engineering, **St. Martin's Engineering College**, Dhulapally, Kompally, Secunderabad, Telangana, India. He has completed his Master of Technology in Power Electronics & Electric Drives in the year 2015. He has completed his Bachelor of Technology in Electrical and Electronics Engineering in the year 2011. He has handled various subjects such as Basic Electrical Engineering, Electrical Machines, Utilization of Electrical Energy, Basics of Power Plant Engineering, Power System Operation and Control. He has published two patents. He has published 8 papers in UGC journals. He is a member of IAENG. His research interests in Hybrid Electric Vehicles and Renewable Energy Sources. His Total teaching experience is 6 Years.

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Network Analysis and Synthesis 23
 Ms. P. Priyanka
 Ms. Ch. Nirosha
 Mr. V. Vishnu Vardhan

Spectrum EDUCATION


As per CBCS

Network Analysis and Synthesis


Network Analysis and Synthesis

Ms. P. Priyanka **Ms. Ch. Nirosha**
Mr. V. Vishnu Vardhan


About the Author



Ms. P. Priyanka, working as Assistant professor from the department of Electrical and Electronics Engineering in St. Martin's Engineering College. She has completed her Master of Technology in power electronics in the year 2019. She completed her Bachelor of technology in Electrical and Electronics Engineering in the year 2014. She has handled various subjects such as Basic Electrical and Electronics Engineering, Utilization of Electrical Energy, Industrial Electrical Systems, Basics of power plant Engineering, power system operation and control, Network analysis and transmission lines, High Voltage Engineering. She has published her papers in Scopus and UGC journals. She has published one patent. She is a member of IAENG.



Ms. Ch. Nirosha, is currently working as currently Assistant Professor in Electrical and Electronics Engineering Department, **St. Martin's Engineering College**, Dhulapally, Secunderabad, Telangana and it is affiliated to JNTU Hyderabad. She Completed his Master of Technology at G.Narayanamma Institute of Technology for Women, Shaitkpet, Hyderabad, affiliated to JNTU Hyderabad and Bachelor of Engineering at Staneley College of Engineering and Technology for Women affiliated to Ooramma University Hyderabad. She has more than 03 years of teaching experience and 03 Years of Industrial Experience. She published over 08 Papers in various reputed journals, attended 02 conferences with ISBN number, and published 03 Indian Patent. She is guided 4 B.Tech Students. Her areas of research include Power Electronics, Power Systems.



Mr. V. Vishnu Vardhan, working as Assistant professor in the department of Electrical and Electronics Engineering, **St. Martin's Engineering College**, Dhulapally, Kompally, Secunderabad, Telangana, India. He has completed his Master of Technology in Power Electronics & Electric Drives in the year 2015. He has completed his Bachelor of Technology in Electrical and Electronics Engineering in the year 2011. He has handled various subjects such as Basic Electrical Engineering, Electrical Machines, Utilization of Electrical Energy, Basics of Power Plant Engineering, Power System Operation and Control. He has published two patents. He has published 8 papers in UGC journals.

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JOURNALS

S.No	Faculty name	Tentative Title of the Paper	Journal
1	Mr. K. V. Govardhan Rao	Islanding Detection Technique of Distribution Generation System	Journal of Engineering Sciences
		An Independently Controlled Two Output Half Bridge Resonant LED Driver	Electric power components and systems
		A New-fangled Connection of UPQC Tailored Power Device from Wind Farm to Weak-Grid	Frontiers in Energy Research, section Solar Energy
		Mitigation of Switching Losses and Electro Magnetic Interference with Buck Converter for Renewable Energy Applications	International Journal of Renewable Energy Research (IJRER)
		Switched Quasi Impedance -Source DC-DC Network for Photovoltaic Systems	International Journal of Renewable Energy Research (IJRER)
2	Mrs. T. V. Sai Kalyani	TS Fuzzy Control of PV Assisted Single phase Three Phase Induction Motor Drive for Rural Pumping Applications	Transactions on Energy Systems and Engineering Applications.
		Amalgamation of Smart Grid with Renewable Energy Sources	International Journal of Smart Grid
3	Ms. K. Shravani	Modelling of Magnetic Resonance Wireless Electric Vehicle Charging	Indian Journal of Natural Sciences
		Using a PI-Fuzzy Controller and a Three Phase Three Level AC/DC Converter, Electric Vehicle to Power Grid Integration	Indian Journal of Natural Sciences

CONFERENCES

S.No	Faculty Name	Tentative Title of the Paper	Conference Publication
1	Dr. N. Ramchandra	Solar Panel Control Using a single access automatic tracking system based on the pilot method to maximise solar energy extraction	IEEE Conference
2	Mr. K. V. Govardhan Rao	Revealing the effect of excitation cross coupling on the performance of LFC in Multi Hybrid System	2023 IEEE CHILECON conference
		Performance Improvement in Multi Area Diverse Source Interconnected Power System under IDDN Controller with AC-DC Line	IEEE Conference
		BES and SSSC based Supplementary Control for Frequency Regulation of Multi Area Interconnected Power System Network	IEEE Conference
3	Mrs. T. V. Sai Kalyani	Donkey and Smuggler Algorithm Tuned IDDF Controller for Stability of Multi Area Power System with HVDC Line	IEEE Conference
4	Mrs. S. Sunanda Kumari	Simulation of 4-Leg Inverter based APF for PV based System with effective controller	International Conference on Renewable Energy, Green Computing and Sustainable Development
		Design of Grid-Connected Battery Storage Wave Energy and PV Hybrid Renewable Power Generation	ICCIML 2022, springer Singapore

NPTEL COURSES



Dr. N. Ramchandra, professor and Head of the Department, EEE has Successfully completed NPTEL courses in Cloud Computing and Introduction to Internet of Things and received Elite + Silver certificate from IIT Kharagpur



NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR N RAMCHANDRA
for successfully completing the course

Cloud Computing

with a consolidated score of **58** %

Online Assignments	24.69/25	Proctored Exam	33.16/75
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Total number of candidates certified in this course: **23872**

Jan-Apr 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CS17S357400185 To verify the certificate  No. of credits recommended: 3 or 4



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR N RAMCHANDRA
for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **78** %

Online Assignments	24.35/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **32882**

Jan-Apr 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CS35S57400297 To verify the certificate  No. of credits recommended: 3 or 4



Mrs. S. SUNANDA, Assistant Professor, EEE has successfully completed NPTEL course in Introduction to Industry 4.0 and received Elite + Silver certificate from IIT Kharagpur



Mrs. K. Anusha, Assistant Professor, EEE has Successfully completed NPTEL courses in Introduction to Industry 4.0 and Industrial Internet of Things and Introduction to Internet of Things and received 2 Elite certificates from IIT Kharagpur.





Ms. K. Shravani, Assistant Professor, EEE has Successfully completed NPTEL courses in Introduction to Industry 4.0 and Industrial Internet of Things and Introduction to Internet of Things and received 2 Elite certificates from IIT Kharagpur.



CERTIFICATION COURSES FROM VARIOUS AGENCIES

To Enhance the Technical knowledge, the faculty has completed 12 certification courses from different agencies.

S.no	Name of the faculty	Course	Certificate agency
1	Mr. Daniel Manoj	Programming methodologies	Academy Europe
2	Mrs. T. V. Sai Kalyani	Data warehousing computer science	Academy Europe
3	Mr. K.V. Govardhan Rao	Python deep learning	Academy Europe
4	Mr. V. Vishnu Vardhan	Parallel algorithm	Academy Europe
5	Ms. Ch. Nirosha	Simple object access protocol	Academy Europe
6	Ms. P. Priyanka	Chat Gpt	Mind luster
7	Mr. G. Balachandraiah	Agile methodology	Academy Europe
8	Mrs. S. Sunanda	Computer level organization	Academy Europe
9	Mrs. V. Kiranmayee	Cryptography	Academy Europe
10	Mrs. K. Rupa Haritha	Compiler design	Academy Europe
11	Ms. Usha rani	Functional programming of computer	Academy Europe
12	Mrs. K. Shravani	Software development life cycle	Academy Europe

UPCOMING CONFERENCE

The department is Proudly Organizing Fourth international conference on “Advances in Electrical and Electronics Engineering” [ICAEEE 2024] on 8th & 9th November 2024. It is with great motivation and aspiration towards research and innovation.

International Advisory Committee & Keynote Speakers

Mr. Rohith Reddy,
ETL Developer,
FNZ Group (UK) Limited,
Czechia Republic.

National Advisory Committee

Dr. M. Kiran Kumar
Associate Professor, Dept. of EEE,
KL Deemed to be University,
Vaddeswaram, Guntur,
Andhra Pradesh, India.

Dr. B. Srikanth Goud
Assistant Professor, Dept. of EEE,
ANurag University,
Hyderabad, T.S., India.

Dr. T. Vishnu Charan
Assistant General Manager,
Worley, Hyderabad, India.

Organizing Committee

Ms. CH. Nirosha, Asst. Prof., Dept. of EEE.
Mr. K. Shravani, Asst. Prof., Dept. of EEE.
Mr. M. Nataraj, Asst. Prof., Dept. of EEE.
Mrs. B. Chandra Rakhee, Asst. Prof., Dept. of EEE.
Mrs. K. Anusha, Asst. Prof., Dept. of EEE.
Mrs. B. Chandra Rakhee, Asst. Prof., Dept. of EEE.
Mr. S. Ratna Kumar, Asst. Prof., Dept. of EEE.

Reach Us

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Convener

Dr. N. Ramchandra
Professor & HOD
Department of Electrical & Electronics Engineering
St. Martin's Engineering College
Dhulapally, Kompally, Secunderabad – 500100, India.

Coordinators

Mrs. S. Sunanda, Asst. Prof., Dept. of EEE.
Mr. K. V. Govardhan Rao, Asst. Prof., Dept. of EEE.
Mrs. T. V. Sai Kalyani, Asst. Prof., Dept. of EEE.

Advisory Committee

Dr. M. Sreenivasa Rao, Principal
Dr. S. V. S Rama Krishnam Raju, Professor, Dept. of
ECE & Dean Academics.
Dr. Sanjay Kumar Suman, Professor, Dept. of ECE
& Dean R&D.
Dr. D. V. Sreekanth, Professor & HOD, Dept. of Mech.
and Dean Administration.
Dr. B. Hari Krishna, Professor & HOD, Dept. of ECE.
Dr. R. Santhoshkumar, Assoc. Prof. & HOD, Dept. of
CSE.
Dr. V. K. Senthil Raghavan, Professor & HOD, Dept. of
IT.
Dr. D. Ranadheer Reddy, Professor & HOD, Dept. of
FME.
Prof. J. K. Sandhya Kiran, Assoc. Prof. & HOD, Dept.
of Civil Engineering.
Dr. N. Krishnaiah, Professor & HOD, Dept. of AI&ML.
Dr. Rajalingam, Professor & HOD, Dept. of AI&DS.
Dr. P. Sai Prasad, Professor & HOD, Dept. of CSD.
Dr. K. Srinivas, Professor in HOD, Dept. of CSE (AI &
ML).



**Fourth International Conference on
“Advances in Electrical and Electronics
Engineering” (ICAEEE – 2024)
8th & 9th November, 2024**



**Organized by
Department of Electrical and Electronics
Engineering
St. Martin's Engineering College**

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Recognized Remote Center of IIT, Bombay

Dhulapally, Secunderabad – 500100,
Telangana State, India www.smec.ac.in

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, ISO certified, DSIR Recognition, Remote center of IIT Bombay, Member of CII and MSME certified Institution. Signed more than 82 MoU's with major companies' and institutions.

About Department

Electrical and Electronics Engineering was started in the year of 2002 with an intake of 60. We are technologically updated and follow the strict curriculum provided by JNTUH to impart a standard education to our students. There are 10 well qualified and trained faculty from various reputed Universities and Institutions. The Department is endeavoring to produce highly trained and capable engineers, who can take up the challenges of the real world. Department of EEE faculties published 314 research papers, published 19 books, and filed 18 patents. Students also participated 18 events and bagged awards in all events. The Department has IET student chapter.

Advisor

Sri Ch. Malla Reddy, MLA,
Medchal Constituency, Telangana State.

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Professor and Group Director,
St. Martin's Engineering College.

About Conference

The International Conference on Advances in Electrical and Electronics Engineering (ICAESEE), for its enormous impact on the next generation and advanced technology focused on research and deployment venture which paved way for inter-disciplinary research in electrical, electronics, computer, instrumentation, automation, and communication engineering. ICASEE aims to bring together researchers, scientists, engineers, and scholar students to exchange and share their experiences, new ideas, and research results about all aspects and discuss the practical challenges encountered and the solutions adopted. Expert talks are planned for exchange of ideas and sharing expertise. The conference serves to be better platform to enrich research activities.

Call for Paper

Topics of interest include but are not limited to:

- > Renewable energy and Energy management systems
- > Power transmission, distribution, and generation
- > Power system Modeling, simulation, and control of machines
- > Diagnosis in Power Electronics, machines, and drives
- > Network restructuring and marketing strategy in Electrical engineering
- > Artificial intelligence and soft computing techniques
- > Electric Vehicles and Transportation.
- > Affordable and Clean Energy
- > Nurturing Solar Energy for Livelihoods and Self-employment
- > Significance of Green Energy and its potential in India etc...

All the registered authors will receive Registration kit, Hardcopy of Conference Certificate, e-Certificate, Conference proceeding with ISBN and journal publication.

Registration Fee

Faculty / Research Scholars / Students : Rs. 6000/-
Delegates from Industries : Rs. 7000/-
Foreign Delegates : \$ 150/-

Important Dates

Paper submission deadline : 25th October 2024
Notification of acceptance : Within 5 days after submission
Last date of registration : 2nd November 2024

☞ **Send your full papers in .doc/.docx to:**
icacee@smec.ac.in
Note: Please mention your mobile number in your paper

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Fourth International Conference on
"Advances in Electrical and Electronics
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(ICAESEE - 2024)
8th & 9th November, 2024

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College / Industry: _____
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E-Mail ID: _____
Transaction Ref. No.: _____
Transaction Date: _____
Paper ID: _____

Paytm Link:

Payment Details: Online transaction only
Account Details: (Current Account)

A/C Name:

PRINCIPAL, St. Martin's Engineering College

Bank Name: SBI, Kukatpally, Hyderabad

Account No: 30667640268

IFSC code: SBIN0011664

Swift Code: SBININBB725(Only for International authors)

Signature of the Participant _____

(Filled scan copy of Registration form to be submitted after receiving accepted letter and doing the payment)



All the registered authors will receive Registration kit, Hardcopy of Conference Certificate, e-Certificate, Conference proceeding with ISBN and journal publication.

STUDENT CORNER

NPTEL COURSES



Ms. Jade Keerthana, III Year, EEE has Successfully completed NPTEL course in Foundation of cloud IOT Edge ML and received Elite certificate from IIT Kanpur.

STUDENT ACHEIVEMENTS



Mr. Sandeep Kumar, II-year EEE, has clinched the prestigious championship title in the Badminton Singles event in the Annual Sports Day of 2024 at St. Martin's Engineering College



Ms. Shravya, III-year EEE, performed as the Student Sports Coordinator for Annual Sports Day of 2024 at St. Martin's Engineering College. She is also selected for DRF Camp.



TOPPERS

II-I TOPPERS



Meghana Urlana
8.28



Pallati Deepak
7.68



P. Kishore Babu
7.30



Bandaru Harish
7.20

III-I TOPPERS



Jade Keerthana
8.5



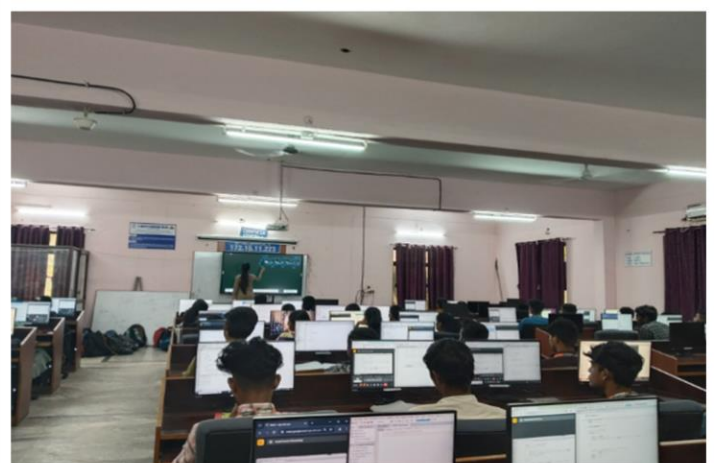
Akkam Hemasri
8.44



Banoth Simhadri
8.26

CAMPUS RECRUITMENT TRAINING

The III-year EEE students have undergone CRT (Campus Recruitment Training) program, from March 18th to May 7th, 2024. The training was meticulously crafted to elevate the proficiency of third-year students in Java Programming, enriching their skill set and readiness for future endeavours.



TOP PLACEMENTS - 2024



Deepika
Sutherland :3.00 LPA
Rinex :4.00 LPA



Poojitha
Sutherland
3.00 LPA



R. Hemanth
Sutherland
3.00 LPA



G. Yogendher
Reddy Sutherland
3.00 LPA

PLACEMENTS - 2024

S.NO.	ROLL NUMBER	NAME	COMPANY NAME
1	20K81A0216	JANNANA DEEPIKA	Rinex
2	20K81A0205	ATLURI YAMINI DEVI	Milekal
3	20K81A0205	ATLURI YAMINI DEVI	Skill Dunia
4	20K81A0225	MOGGULANNA.POOJITHA REDDY	Skill Dunia
5	21K85A0203	BANOTH SURENDER	Skill Dunia
6	21K85A0205	KONDA AKSHAY	Skill Dunia
7	21K85A0209	EMMADISHETTY SAI VARDHAN	Skill Dunia
8	21K85A0210	GOGULA JAHNAVI	Skill Dunia
9	21K85A0222	SHAIK MOHAMMED UZAIR	Skill Dunia
10	20K81A0212	G. YOGENDER REDDY	Foundever
11	20K81A0216	JANNANA DEEPIKA	Foundever
12	20K81A0234	VADDAPALLY SAI PRANAV REDDY	Foundever
13	21K85A0204	KONDA YASHASWINI	Foundever
14	20K81A0234	VADDAPALLY SAI PRANAV REDDY	Skill Intern
15	21K85A0219	PATLOLLA SAMPATH REDDY	Skill Intern
16	20K81A0212	G. YOGENDER REDDY	Amazon
17	20K81A0212	G. YOGENDER REDDY	Savantis
18	20K81A0234	VADDAPALLY SAI PRANAV REDDY	Savantis
19	21K85A0204	KONDA YASHASWINI	Savantis
20	21K85A0210	GOGULA JAHNAVI	Savantis
21	21K85A0219	PATLOLLA SAMPATH REDDY	Savantis
22	20K81A0231	SADIGE SURYA PRASAD	S.M Enterprises
23	21K85A0205	KONDA AKSHAY	S.M Enterprises
24	21K85A0207	CHELUMALLA BHARATH	S.M Enterprises
25	21K85A0209	SAIVARDHAN EMMADISHETTY	S.M Enterprises
26	21K85A0212	KALERU SHESHASANTHOSH KUMAR	S.M Enterprises
27	21K85A0219	PATLOLLA SAMPATH REDDY	S.M Enterprises
28	21K85A0201	KUMMARI KEERTHANA	Sunglare Technologies
29	21K85A0204	KONDA YASHASWINI	Sunglare Technologies
30	21K85A0209	EMMADISHETTY SAI VARDHAN	Sunglare Technologies
31	20K81A0212	G. YOGENDER REDDY	Sutherland
32	20K81A0215	JAKKULA MANOHAR	Sutherland
33	20K81A0216	JANNANA DEEPIKA	Sutherland
34	20K81A0225	MOGGULANNA.POOJITHA REDDY	Sutherland
35	20K81A0230	RAVURI HEMANTH	Sutherland
36	20K81A0217	JARPULA SURESH	Schneider Electric

PLACEMENT DAY- 2024

On June 22, 2024, our college proudly celebrated Placement Day, marking a momentous achievement as SMEC became the only college to secure 100% placements for the third consecutive year. This hat-trick of success underscores our commitment to excellence and our students' exceptional talent and hard work.



St. MARTIN'S
Engineering College

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ACCREDITED BY NBA & NAAC A+ - ISO 9001:2008 CERTIFIED
SIRD RECOGNITION BY MINISTRY OF SCIENCE & TECHNOLOGY, GOVT OF INDIA,
Rohupally, Near Kempally, Secunderabad - 500 100, T.S. www.smecc.ac.in





St. MARTIN'S
Engineering College

UGC AUTONOMOUS

INVITATION

PLACEMENT DAY-2024

Hat-trick glory in 100% Placement

"Opting St. Martin's is the gateway to the Right Placement is always proved"

on 22nd June 2024 @ 02:00pm

Placement is our Glory! Achievement is our story !!



CHIEF GUESTS



Sri CH. MALLA REDDY Garu
MLA, Medchal



Sri MARRI RAJASHEKAR REDDY Garu
MLA, Malkajgiri

GUEST OF HONOUR



Sri BALAKRISHNA CHATLA Garu
Director, OHM Group, Hyderabad

SRI. M. LAXMAN REDDY CHAIRMAN	SRI. G. NARSIMHA YADAV TREASURER	SRI. CH. MAHENDER REDDY SECRETARY
SRI. G. CHANDRASEKHAR YADAV EXECUTIVE DIRECTOR	SRI. M. RAJASEKHAR REDDY DIRECTOR	SRI. G. RAJASEKHAR YADAV DIRECTOR
SRI. G. JAI KISHAN YADAV DIRECTOR	DR. P. SANTOSH KUMAR PATRA GROUP DIRECTOR	

PLACEMENT Day-2024

Hat-trick glory in 100% Placement

No. of Placement offers - 1168+
No. of Companies visited - 60+

22nd June 2024
02:00pm

Venue:
Subhas Chandra Bose
Block Auditorium, SMEC.

Programme Schedule:

- 12:00 pm - Student Registration
- 01:00 pm - Lunch
- 01:45 pm - Allowing Students into the Auditorium
- 02:00 pm - Welcome Dance
- 02:10 pm - 100% Placement AV Presentation
- 02:30 pm - Felicitating Guests
- 02:40 pm - Speeches by Dignitaries
- 04:00 pm - Felicitating Students with Offer Letters and taking group Photos
- 05:00 pm - Vote of Thanks

నమస్తే తెలంగాణ

సెయింట్ మార్టిన్ లో ఫ్లెస్ మెంట్ డే



సెయింట్ మార్టిన్ ఇంజనీరింగ్ కళాశాలలో ఆదివారం నిర్వహించిన ఉద్యోగాల మేళాలో కళాశాల యాజమాన్యం, విద్యార్థులు, పలువురు ప్రముఖులు

కుత్బుల్లాపూర్, జూన్ 23: దూలపల్లి సెయింట్ మార్టిన్ ఇంజనీరింగ్ కళాశాలలో ఆదివారం ఫ్లెస్ మెంట్ డే ఘనంగా జరిగింది. కళాశాలలో 2023-24 విద్యా సంవత్సరానికి 1,168 మందికి ఉద్యోగ అవకాశాలు కల్పించారు. మరో 60 మంది ఎంఎన్టీఎస్ లో అవకాశాలు పొందారు. దీనికి ముఖ్య అతిథులుగా హాజరైన ఎమ్మెల్యేలు చామకూర మల్లారెడ్డి, మర్రి రాజశేఖర్ రెడ్డి, కళాశాల చైర్మన్ మర్రి లక్ష్మణ్ రెడ్డి, ఎగ్జిక్యూటివ్ డైరెక్టర్ జి. చంద్రశేఖర్ యాదవ్, కళాశాల గ్రూప్ డైరెక్టర్

పి.సంతోష్ కుమార్ పాత్ర, డైరెక్టర్ జి.రాజశేఖర్ యాదవ్, జి.జై కిషన్ యాదవ్ లు తమ సందేశాన్ని అందించారు. సెయింట్ మార్టిన్ కళాశాల రెండు దశాబ్దాల సుదీర్ఘ ప్రయాణంలో చెప్పుకోదగ్గ మైలురాముని చేరుకోవడం పట్ల అతిథులు హర్షం వ్యక్తం చేశారు. విద్యార్థులు ఆశ్చర్యపరిచే ఫ్లెస్ మెంట్ ను సాధించి కళాశాలకే వన్నె తెచ్చారని అభినందించారు. హైదరాబాద్ ఓహెచ్ఎం గ్రూప్ డైరెక్టర్ బాల క్రీష్ణ చాట్లతో పాటు అధ్యాపకులు, విద్యార్థులు, వారి తల్లిదండ్రులు పాల్గొన్నారు.

సాక్షి

'సెయింట్ మార్టిన్' విద్యార్థుల వందశాతం ఫ్లెస్ మెంట్



సమావేశంలో పాల్గొన్న సెయింట్ మార్టిన్ విద్యార్థులు, యాజమాన్యం

సుభాష్ నగర్: వంద శాతం ఫ్లెస్ మెంట్ సాధించి సెయింట్ మార్టిన్ కళాశాల హాట్రీక్ సాధించిందని కళాశాల ప్రిన్సిపాల్ డాక్టర్ సంతోష్ కుమార్ పాత్రా పేర్కొన్నారు. శనివారం కళాశాలలో వంద శాతం ఫ్లెస్ మెంట్ పొందిన విద్యార్థులతో సక్సెస్ మీట్ ను నిర్వహించారు. ఈ మీట్ కు మాజీ మంత్రి మల్లారెడ్డి, మల్కాజ్ గిరి ఎమ్మెల్యే రాజశేఖర్ రెడ్డి, ఏహెచ్ఎం గ్రూప్ డైరెక్టర్ బాలకృష్ణలు పాల్గొన్నారు. అనంతరం ఫ్లెస్ మెంట్ పొందిన విద్యార్థులను ఉద్దేశించి సంతోష్ కుమార్ మాట్లాడుతూ 2023-24 విద్యా సంవత్సరంలో 1168 మంది విద్యార్థులకు ఫ్లెస్ మెంట్స్ లభించాయని, వంద శాతం ఫ్లెస్ మెంట్స్ తో సెయింట్ మార్టిన్ విద్యార్థులు సరికొత్త రికార్డును నెలకొల్పారన్నారు.

ACTIVITIES CORNER

EVENTS

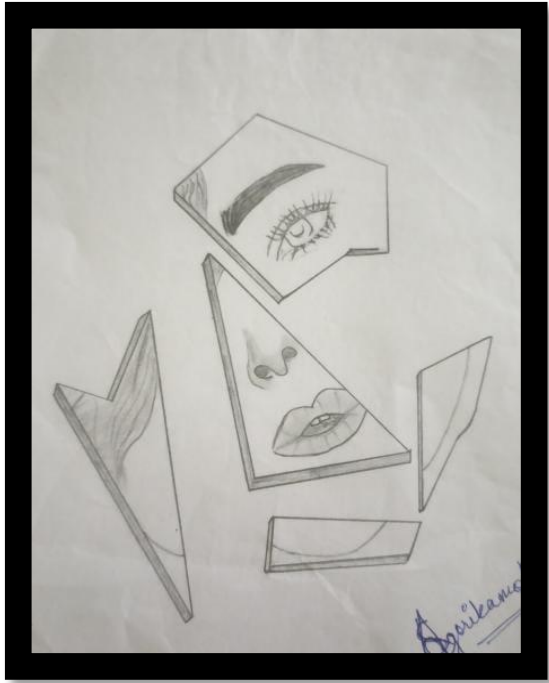
UNNAT BHARATH ABHIYAN

The Department of Electrical Engineering spearheaded the impactful Unnat Bharat Abhiyan event on March 28th, 2024, dedicated to advancing environmental sustainability. This significant initiative enacted a comprehensive ban on single-use plastics, alongside educating the public on the critical imperative of reducing plastic consumption to safeguard our planet's future.

This program was inspired by Unnat Bharat Abhiyan, a flagship program initiated by the ministry of education. The global movement towards banning plastics, particularly single-use plastics, reflects a growing awareness of the environmental hazards they pose. Several countries and regions have implemented stringent measures to curb the proliferation of plastic waste, targeting items like plastic bags, straws, and polystyrene containers. The European Union, for instance, has mandated a ban on specific single-use plastics by 2021, while nations like India and Canada are also adopting similar policies. The environmental benefits of such bans are evident, with significant reductions in plastic waste and decreased harm to wildlife. However, these bans also effect the present economic and logistical challenges, particularly for small businesses and industries reliant on plastic products. As the world leans more into these bans, innovations in biodegradable materials and circular economy approaches are likely to play crucial roles in shaping future strategies to combat plastic pollution effectively.



STUDENTS ARTS



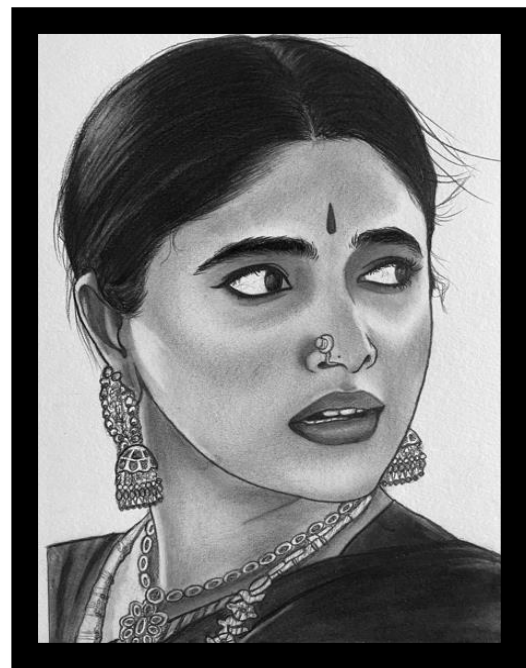
Ms. Sagorika Mohanta, III-Year, EEE-A



Mrs. J. Keerthana, III-Year, EEE-A



Ms. K. Snehitha, III-Year, EEE-A



Mr. Nagaraj, II-Year, EEE-A



Mr. Kishore, II-Year, EEE-A

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