OVERVIEW

- **DEPARTMENT VISION & MISSION**
- **PRINCIPAL'S DESK**
- **HOD'S DESK**
- **STUDENT SPEAK**
- **FACULTY ACHIEVEMENTS**
- **STUDENT ACHIEVEMENTS**
- **POTENZIA'22**

DEPARTMENT VISION & MISSION

DEPARTMENT VISION

The Electrical engineering Programme emphasizes design, innovation, real world applications of evolving technologies, and simulation of real time systems along with developing entrepreneurial capabilities by providing excellent Electrical Engineering Education.

DEPARTMENT MISSION

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PRINCIPAL'S DESK

It is with profound sense of pride and pleasure that we present you this very special volume of SPARK. Every page unfolds a plethora of the abundant creative and literary talents of our ever enthusiastic students. You can feel the pulse of this great institution as the pages reveal our students capabilities. SPARK is truly the systematic product of a team of people. I am delighted to present you through these pages our students' thoughts, attitudes and aspirations. These young shining stars with their well embedded roots and spreading wings are the promise of a great tomorrow. This institution serves as a springboard from where they can unleash their true potential. I encourage everyone to go through this wonderful masterpiece of MGITians, whose quality ideas and contributions made this edition of SPARK colorful and readable.

PROF. K. JAYA SANKAR

PRINCIPAL

HOD'S DESK

The department of Electrical and Electronics Engineering was established in the year 2002 with an objective to develop professionals through quality education with an intake of 120 students. The EEE Department at Mahatma Gandhi Institute of Technology prepares students in this field using new-age information and computer-intensive technologies. The B.Tech. and M.Tech programs are designed to achieve a balance between depth of knowledge acquired through specialization and breadth of knowledge gained through exploration. The courses offered by the department provide a comprehensive foundation in the core topics of EEE coupled with an area of specialization relevant to emerging engineering challenges. The faculty in the department is a rich blend of personnel with industrial and professional experience. The dedicated staff members have sound knowledge in emerging areas like Power systems, power electronics, microelectronics, and control engineering, etc. The breadth and depth of the research interests of the academic staff ensures a high standard of lecture courses and provides excellent opportunities for challenging and stimulating final year projects. All faculty supplement their delivery using videos, animations overhead projectors. The faculty keeps up with the latest technologies by publishing in reputed journals and presenting at various national and international conferences. The students are not far behind. The students have made us proud by winning the best project award in National level technical project exhibitions. The EEE Department also holds several guest lectures, seminars and workshops. These provide a platform for the staff and students to share their views and experience among industrialists, fellow researchers, and academicians in the emerging areas of electrical engineering. On employability, graduates of the institute consistently appear as the first choice of employers. Studying EEE will lead to potential careers in the areas of Research & Development (R&D), design, systems analysis, control and manufacturing, quality assurance and testing. The department boasts of having many Assistant Engineers and Assistant Executive Engineers working in the electricity department of both Telangana and Andhra Pradesh governments. Students pursuing master's abroad have made us proud by taking up niche positions in various companies.

Dr. P Ram Kishore Kumar Reddy

HOD Dept. of EEE

STUDENTS SPEAK

The department is equipped with adequate infrastructure to support academic, research and extra-curricular activities for the all-round development of our students with more than 20 well-qualified, skilled and experienced faculty members. The department frequently organizes workshops, talks and faculty development programs regularly for the benefit of the student and faculty community. The department has an impressive placement track record of the students placed in reputed organizations.

- T. GOWTHAM

The Department of Electrical and Electronics Engineering has excellent classrooms and well equipped laboratories. State-of-the art technical equipment in laboratories, rich collection of books in department library and extensive learning opportunities provide students flexible and seamless learning experience. The department not only offers scope for research and study but also provides good opportunities for holistic development of our students. The department has high speed internet connectivity .

- K. RESHMA

FACULTY ACHIEVEMENTS

NAME OF THE FACULTY	PPROGRAMME	TOPIC	PLACE	DATE(S)
Dr.P.Ram Kishore Kumar Reddy	AICTE-ATAL FDP	Control Systems and Sensor Technology	University Visweswaraya College of Engineering, Bengaluru	05-10-2020 to 09-10-2020
Dr.P.Chandrasekhar	Workshop	The Development of the Energy Internet of Things (eIOT) in Green Energy Infrastructure	NIT Silchar	01-09-2020 to 05-09-2020
Dr.P.Nagasekhar Reddy	Short Course	Learn to Design your own Solar Home System	Energy Swaraj Foundation	31-07-2020
Mrs.N.Madhuri	IEEE International Webinar Series	Signal processing and Image Processing in MATLAB	St.Joseph College of Engineering,Chennai	05-08-2020
Mr.B.N.Reddy	Online Course	Linear Circuits : DC Analysis	Georgia Institute of Technology	01-01-2021
Mrs.P.V.B.Kumari	FDP	Applications Of Artificial Intelligence For Modern Power System	St. Joseph's College of Engineering, Chennai	20-07-2020 to 24-07-2020
Mrs.P.L.Supriya	Webinar	Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids	MGIT, Hyderabad	13-07-2020
Mrs. M. Nalini Devi	FDP	MEMS and NEMS	Nitte Meenakshi Institute of Technology, Bengaluru.	7-09-2020 to 12-09-2020

NAME OF THE FACULTY	PPROGRAMME	TOPIC	PLACE	DATE(S)
Mr.G.Gopal	FDP	Controller Hardware-in-the-Loop Simulation Tool: for Future Electrical Engineers	MGIT, Hyderabad	24-07-2020
Mr.Ch.Vinay Kumar	STTP	The Role of IoT in Renewable Energy Resources Driving Electric Power Grids	New Horizon College of Engineering, Bengaluru	18-01-2021 to 23-01-2021
Mr.G.Arun Kumar	Webinar	Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids	MGIT, Hyderabad	28-07-2020
Mrs.S.Sudha Rani	FDP	Industrial Automation using PLC/SCADA with IoT	Vellore Institute of Technology, Chennai.	21-09-2020 to 25-09-2020
Mr. C. Mahesh	Webinar	Recent trends in Power Management Strategies for Optimal Operation of Distributed Energy Resources in Microgrids	MGIT, Hyderabad	28-07-2020
Mr. P.Ranjith Krishna	MOOC	Introduction to Technology-Enabled Learning	The COL and Athabasca University, Canada	21-06-2020 to 25-07-2020
Ms. A. Tejaswi	Coursera Course	Learning How to Learn: Powerful mental tools to help you master tough subjects	Coursera	18-04-2020 to 20-09-2020
Ms. Swati Paliwal	International Workshop	Accelerate Research	Anurag university	22-09-2020 to 26-09-2020
Mr. D. Vamshy	Webinar	Modeling of Correlated Uncertainties in Optimal Operation of Islanded Microgrids	MGIT, Hyderabad	13-07-2020
Mr. N. Santhosh Singh	MOOCS – NPTEL	Power Electronics	IIT Madras	Sept-Dec 2020
Mr. K. Bharath Kumar	Coursera Courses	Learning to Teach Online	The University of New South wales Sydney	31-07-2020
Mr.H.Gurunath	Webinar	Best Practices in Design and Installation of Solar PV Systems	MGIT, Hyderabad	15-07-2020

Student Achievements

This year, students of EEE reached the great mile stone by winning Smart India Hackathon (SIH).Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving.

POTENZIA'22

Potenzia is a platform for students to realize their team coordinating skills, organizing skills and brings in all at one place to showcase their technical abilities to excel in their careers.