

METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY

Abids, Hyderabad (Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Osmania University

Accredited by NAAC with A+ and NBA for UG Courses

Department of Electrical and Electronics Engineering



VIDYUTH -Power of EEE

VOL:10 NEWSLETTER –
JULY 2023 ISSUE:

Message from HoD's Desk...

Welcome to the Department of EEE, MCET! We, the Department of EEE, feel our enthusiasm to publish the tenth issue of our departmental newsletter, "VIDYUTH." I, as a head of the department would like to thank all the faculty members, non-teaching staffs and students for their limitless support and sincere efforts for the betterment and development of department. On this occasion, I congratulate all the team members of the editorial board for bringing up this issue in a better shape.

Dr Y. Mastanamma

HOD, Dept. of EEE



DEPARTMENT VISION & MISSION

VISION

To become a reputed centre for imparting quality education in Electrical and Electronics Engineering with human values, ethics and social responsibility.

MISSION

M1. To impart fundamental knowledge of Electrical, Electronics and Computational Technology

M2. To develop professional skills through hands-on experience aligned to industry needs.

M3. To undertake research in sunrise areas of Electrical and Electronics Engineering.

M4. To motivate and facilitate individual and team activities to enhance personality skills.



Publications by Students and staff...

1. Namburi Nireekshana; Tanvi H Nerlekar; Palle Nitish Kumar; Mohammed Mohsin Bajaber. "An Innovative Solar Based Robotic Floor Cleaner." Volume. 8 Issue. 4, April - 2023 , International Journal of Innovative Science and Research Technology (IJISRT), www.ijisrt.com. ISSN - 2456-2165, PP :- 1880-1885. <https://doi.org/10.5281/zenodo.7918621>.
2. Namburi Nireekshana; M. Anil Goud; R. Bhavani Shankar; G. Nitin Sai chandra. "Solar Powered Multipurpose Agriculture Robot." Volume. 8 Issue. 5, May - 2023 , International Journal of Innovative Science and Research Technology (IJISRT), www.ijisrt.com. ISSN - 2456-2165, PP :- 299-306. <https://doi.org/10.5281/zenodo.7940166>

Book Chapters...

Bhukya, L., Kedika, N.R., Motamarri, R., Salkuti, S.R., Punna, S. (2023). Fractional Order High Pass Filter Based Extremum Seeking Control for Grid Connected PV System. In: Salkuti, S.R., Ray, P., Singh, A.R. (eds) Power Quality in Microgrids: Issues, Challenges and Mitigation Techniques. Lecture Notes in Electrical Engineering, vol 1039. Springer, Singapore. https://doi.org/10.1007/978-981-99-2066-2_8.







Industry Interaction, Visits ,Invited Talks...



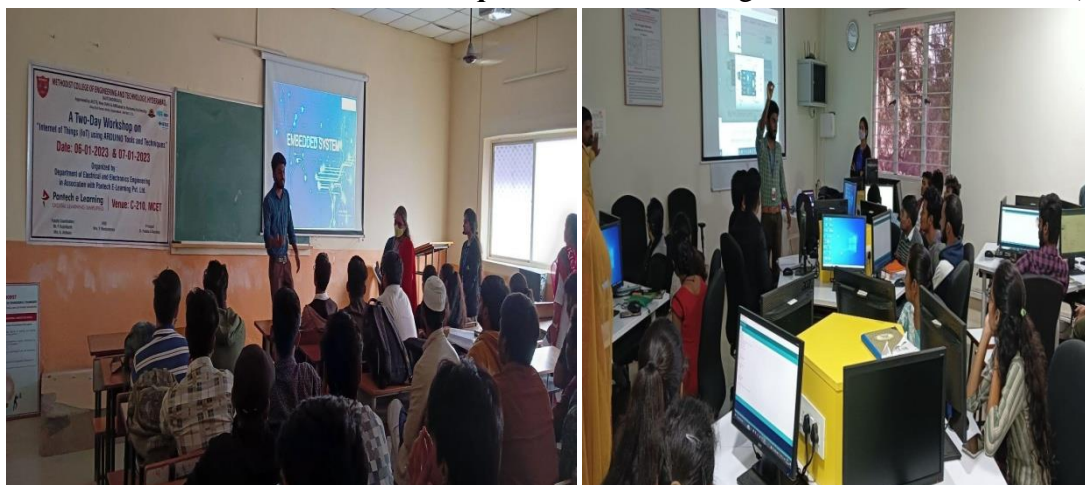
The students of VI semester, BE, EEE has participated in the one day seminar on Challenges and Opportunities in EV sector on 28 th June, 2023 at Institute of Engineers , Hyderabad.

The Institution of Engineers (India)
Telangana State Centre
(ISO 9001: 2015 CERTIFIED)
Energy Conservation Mission
Under the aegis of
Electrical Engineering Division Board

All are cordially invited to attend the
Inaugural Function of
One Day Seminar on
"Challenges and Opportunities in EV Sector"
on 28th June, 2023 at 1000 hrs.
at Visvesvaraya Bhavan, Khairatabad, Hyderabad

Keynote Speaker	Chief Guest	President
 D.V. RAMAKRISHNA KUMAR Project Director (EV), TSREDCO, HYD	 Dr. J. PRAVEEN Principal, GRIET, HYD	 Er. B BRAHMA REDDY, FIE Chairman, IEI Telangana State Centre
 Er. E. Srinivasa Chetty, FIE Chairman, ECM, IEI TSC	 Er. G Kondala Rao, MIE Convener, ECM	 Dr. G VENKATA SUBBAIAH, FIE Hon. Secretary, IEI Telangana State Centre

1. Department has conducted a Two day workshop on “Internet of Things (IoT) using ARDUINO Tools and Techniques” Held during 6th & 7th Jan, 2023.



2. Department has conducted a Guest Lecture titled “Network Theory- Filters” on 13th April 2023.



Products Developed...

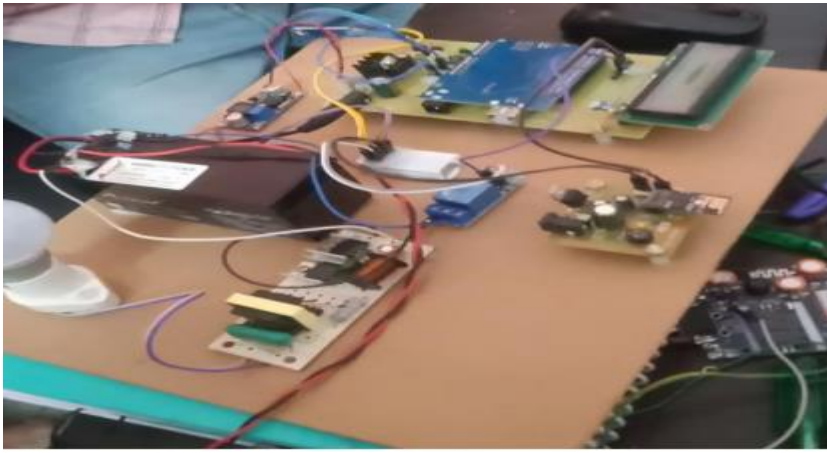
1. ELECTRIC PADDLE ASSIST CARGO TRIKE



2. SOLAR BASED AGRICULTURE ROVER FOR SEED SOWING



3. SOLAR BASED SMART STREET LIGHT USING IOT



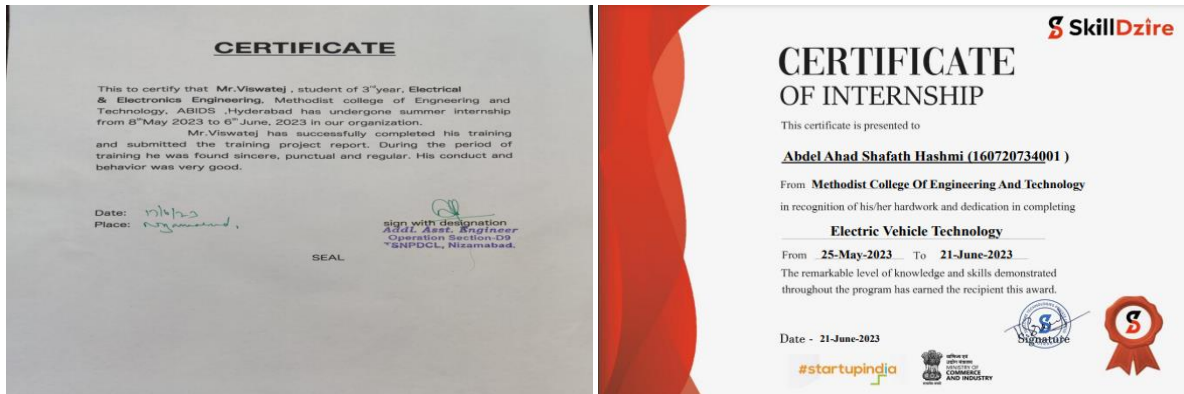
4. SOLAR POWERED MULTI PURPOSE AGRICULTURE ROBOT



Summer Internships- 2023

S. No.	Name of Company	No. of students completed Internship
1	PANTECH E LEARNING	11
2	MICRON ELECTRICALS	06
3	HIEE	02
4	POWER CONTROLS ENGINEERING	03
5	ENRUN INDIA	03
6	PRAGYATMIKA, CENTRE OF EXCELLENCE, MCET	01

7	SHARP n SMART	01
8	DREAM TECH TRAINING INSTITUTE PVT.LTD.	01



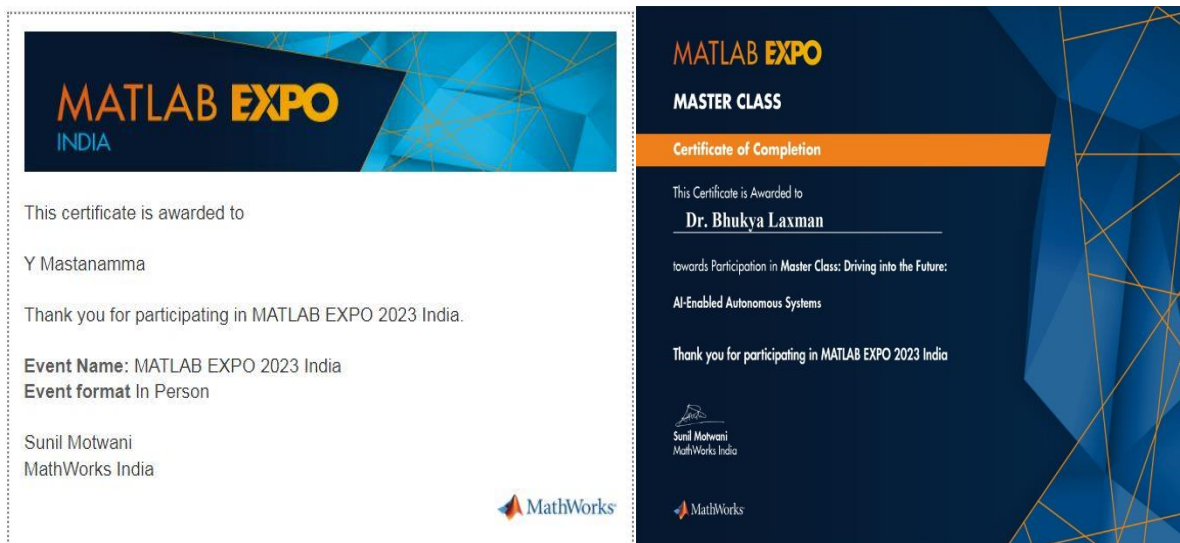
Student participations/Achievements

1. **ANVESHANA-2023:** The students of Electrical and Electronics Engineering department have participated in Anveshana 2023 Program. Anveshana is a Science and Engineering competition which will culminate in a Fair where the students will exhibit their projects/models. This competition will primarily involve undergraduate engineering students and underprivileged school going students where the students together will follow philosophies and practices of hands-on learning, research orientation, to make models based on Engineering-Science concepts. The Engineering Students will mentor school students in the creation of models while inducing knowledge and confidence in them.



Faculty Achievements

Dr. Y. Mastanamma and Dr. B. Laxman, Faculty of Electrical and Electronics Engineering Department have attended the flagship event “MATLAB EXPO India 2023” held at Hyderabad International Convention Centre (HICC) on 18th July 2023. It was helpful to learn about new technological advancements and trends in eight separate technology areas, including AI, wireless communications, autonomous systems and robotics, and electrification.



METHRIC UTSAV-23

Metheric Utsav is a Technical Event conducted every year in Methodist College of Engineering and Technology. **Metheric Utsav - 2023** was conducted during 28th -29th April 2023. **Technical Quiz, Treasure Hunt, Circuits Mania, Poster Presentation and Retro** are the main events conducted by the Department of EEE as a part of Metheric Utsav -2023.

Around 150 students from Methodist and other colleges participated in the events and the **Methric Utsav-23** was a grand success.



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(Autonomous Institution)
Estd : 2008





METHERIC UTSAV
27th, 28th & 29th April - 2023

Electrical & Electronics Engineering (EEE)

Technical
▶ Technical Quiz
▶ Treasure Hunt
▶ Circuits Mania
▶ Poster Presentation

Non-Technical
▶ Retro

FACULTY COORDINATORS:
Mr. P. Rajinikanth, Assistant Professor

STUDENT COORDINATORS
Mohammed Abrar Ahmed - 6301432188
Akellu George Muller - 6300628597

For More Info:
<http://methricutsav.methodist.edu.in/index.php>

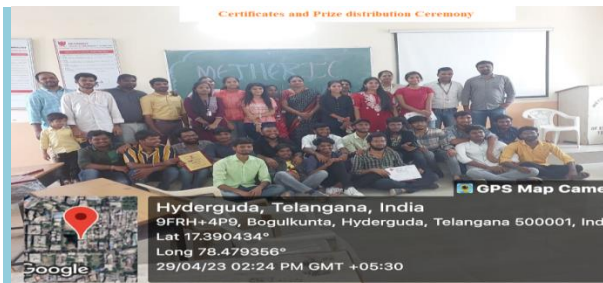


Shri. K. Krishna Rao
Chief Patron

Prof. Prabhu G. Benakop
Principal

Prof. M. Lakshmpathi Rao
Director

Dr. P. Lavanya
Convener



Editorial Board : Mr. P.Rajinikanth, Asst. Professor in EEE

K. Sai Manideep , III year EEE,

K.Nanda Kumar Reddy , III year EEE

Sri Ramana Joshi , II year EEE

