

VISION

- To prepare individuals to thrive in and contribute to an ever changing global society by uniting the skills of Engineering, technology, research and design



MISSION

- To provide state of the art resources that contributes to achieve excellence in teaching-learning, research and development activities.
- To produce qualified, motivated and well-rounded graduates possessing fundamental knowledge of Electrical & Electronics Engineering who can provide solutions and services to the community at large.
- To create and sustain environment of learning in which students acquire knowledge and learn to apply it professionally with due consideration of ethical and economical issues.
- To promote research & innovation and to keep abreast of emerging technologies in Electrical & Electronics Engineering in order to serve the needs of industry, scientific community and society.

Volt-Amps

2017 - 2018

DEPARTMENT OF **EEE** NEWSLETTER



Editorial Board

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P. Kishor

M. Saritha

P. Anil Kumar

K. Kartheek

Student Coordinators

D. Vishal

Ageer Akhil

ABOUT THE DEPARTMENT

The department of Electrical and Electronics Engineering at Matrusri Engineering College (MECS) established in the year 2011-12 with an intake of 60 students. The department is equipped with latest equipments and experimental setups in the laboratories to help in teaching learning process. The Department also conducts number of workshops, seminars and conferences to enhance the knowledge and to get awareness among the students with the latest technologies. The Electrical and Electronics Engineering graduates are groomed in subject knowledge like Electrical Machines, Power Electronics, Power Systems, Digital Signal Processing, etc. and technical knowledge through coursework that is relevant to current technology; they develop the ability to synthesize and envisage solution to real time problems through their immersion in the problem based activities.

FROM HOD DESK

I am extremely happy to be associated with the students who have opted the core and oldest branch of engineering that is Electrical Engineering with the application of electronics for controlling electrical devices, the course has been renamed as Electrical and Electronics Engineering. The department believes in the multidimensional growth of all students. Keeping the above idea in mind the department encourages students to participate in extra and co-curricular activities, sports, cultural fest and paper presentation on technical subjects, seminars etc... industrial visits and regular internships which assist the student in smooth transition from academic life to work life is regular feature of our department. I wish the students make best use of the ambience and work towards achieving excellence in the chosen field.

Faculty Corner

FACULTY PUBLICATIONS

- Dr.G.Ravindranath, "Graphical user Interface Load Flow Solution of Radial Distribution Network", National conference on Trends in Science, Engineering & Technology-2018, Volume 6, issue1.
- Dr.D.V.M.Chary, "Teaching Learning based Optimization for Economic Load Dispatch with Valve-Point Loading Effects", National conference on Trends in Science, Engineering & Technology-2018, Volume 6, issue1.
- Dr.P.Vasudeva Naidu, "Design and Implementation of Variable Hysteresis Band Voltage Controller based DVR" National conference on Trends in Science, Engineering & Technology-2018, Volume 6, issue1.

- Mr M.V Subramanyam, "Sinusoidal Pulse Width Modulation Techniques in Five Level Inverters", National conference on Trends in Science, Engineering & Technology-2018, Volume 6, issue1.
- Mrs N.Kalpna, "Modelling of SSSC to Enhance Power System Stability using MATLAB Simulink", National conference on Trends in Science, Engineering & Technology-2018, Volume 6, issue1.
- Mrs M.Saritha, "Development of Remote Buttons in Android App (Bluetooth) to Control a Robo", International Journal of Engineering Science and Computing, Volume 7, issue 7, June 2018.
- K.Kartheek, "Design and Analysis of Multilevel Inverter with Reduced Number of Switches using Multicarrier SPWM Techniques", International Journal on Recent and Innovation Trends in Computing and Communication, Volume 5, issue 6, July 2018.
- P.Anil Kumar, "Simulation of Five Level Diode Clamped Multilevel Inverter", International Journal on Recent and Innovation Trends in Computing and Communication, Volume 5, issue 7, July 2018.

FDPS / STTPS / WORKSHOPS ATTENDED BY THE FACULTY

- Mr P.Anil Kumar, Mr K.Kartheek, Mr B.Madhukar, Mrs M.Saritha and Mr M.V Subramanyam have attended two week ISTE STTP on "Electric Power System" conducted from 10-07-2017 to 15-07-2017 at CVSR Engineering College, Hyderabad.
- Mr P.Anil Kumar and Mr K.Kartheek have attended "Hands on Embedded System Design using Arduino" conducted from 30.01.2018 to 31.01.2018 at CVSR Engineering College, Hyderabad.
- Mr P.Kishor has attended FDP on " Effective Teaching Methods & Technical Writing Skills" organized by IEEE education society, MECS on 15.07.2017.
- Mrs M.Saritha and Mrs N.Kalpna have attended FDP on "Recent Advances in Distributed Generation and Power Quality" at Sreenidhi Institute of Science and Technology conducted from 04.12.2017 to 09.12.2017.
- Mr M. Praveen Reddy and Mr M.Srinivas have attended FDP on "Applications of Power Electronics in Renewable Energy Sources" at CVR College of Engineering, conducted from 20.11.2017 to 04.12.2017.
- Mr. Kartheek has completed NPTEL Certification Course in Power Systems Engineering.
- Mr. P. Kishor has completed NPTEL Certification Course in Power Systems Analysis and Power Systems Engineering.
- Mr. M. Srinivas has completed NPTEL Certification Course in Electro Magnetic Theory and Analog Circuits.

MEMBERSHIPS IN PROFESSIONAL BODIES

The Institution of Engineers (IEI)

- Matrusri Engineering College has been certified as Educational Institution Member by IEI with an Institutional Membership No: IM000521-7 in November-2017.

Institute of Electrical and Electronics Engineers (IEEE)

- About 10 students from EEE have got IEEE student membership.

EVENTS ORGANIZED

- Symposium on "Student Interaction - Recent Technologies" by Dr.N.V.Rao, Dean-Academics, CVR Engg. College, Hyderabad on 29.10.2017.
- "Skill Set Training Programme Covering PLC, SCADA" by MEPAC³ Engg. Solutions conducted from 14.09.2017 to 16.09.2017.
- Guest lecture on "Grid System and Smart Grid" by Mr.G.Mahesh, ADE, CPTI, Hyderabad on 12.08.2017.
- Guest lecture on "Mipower Software" by Dr.DVM Chary, Professor, HOD, EEE, MVSREC, Hyderabad on 02.09.2017.
- Guest lecture on "Circuit Process Mechanism" by Mr. Ch.Sreedhar, Assoc.Prof., ECE Dept., MEC on 13.08.2017.
- National Conference on "Trends in Science, Engineering & Technology" by conducted on 02.02.2018 & 03.02.2018.
- A two day hands on experience training programme on "MATLAB and SIMULINK" conducted on 08.02.2018 & 09.02.2018.

EVENTS ORGANIZED IN ASSOCIATION WITH IEEE

- "Awareness Session on Women's Health" by Dr.Rajini Reddy, Prof (OBG) Government Maternity Hospital, Petlaburj, Hyderabad conducted on 25.01.2018.
- Guest lecture on "Internet of Things: End-to-End" by Dr. Aanandha Balasubramanian, Director/DMTS, Ineda Systems Pvt. Ltd conducted on 19.08.2017.

Students' Corner

INTERNSHIPS BY STUDENTS

- Single phasing Detection and Protection of Three Phase Induction Motor using PLC by N.Vijay Kumar, U.Akhil and Punna Nikhil Kumar of 3EEE at NSIC, Hyderabad from 07.05.2018 to 06.07.2018.

- Study Of Manufacture Of Turbo Alternator by J.Shanthi, B.Anirudh, Loka Sudheer Reddy, S.Priyachandana, V.Vedasree, G.Priyanka and N.Vijay Kumar of 3EEE at BHEL, Hyderabad from 16.06.2018 to 30.06.2018.

PARTICIPATION OF STUDENTS IN INTER & INTRA INSTITUTE EVENTS

- N.Vijay Kumar of 3EEE has participated in Pragnya 2018 conducted from 14.03.2018 to 15.03.2018 at JNTU, Hyd..
- Loka Sudheer Reddy, Sai Nitesh Naidu and K.Rithika Reddy of 3EEE have participated in Athlema 2K18 conducted from 20.03.2018 to 21.03.2018 at MVSr Engg College.
- Loka Sudheer Reddy of 3EEE has participated in State Level Sports Meet conducted from 23.02.2018 to 24.02.2018 at Mahaveer Group of Institute .
- N.Vijay Kumar of 3EEE has participated in IEEE Hyderabad Section Student Congress 2017 conducted from 04.11.2017 to 05.11.2017 at PGRRCDE, OU.
- K Rithika Reddy of 3EEE has participated in NCC Annual Training Camp conducted from 27.08.2017 to 05.09.2017 at NCC, Secunderabad.
- C Srinath Reddy, K Sai Chandu and Putti Lakshmi Sharada of 4EEE have participated in PCB design workshop, VISTA 2K17 conducted from 14th to 15th Sept 2017 at Vignan's Institute of Information Technology, Visakhapatnam.
- Ashish Parimi and Chetan Kumar of 4EEE have participated in NIRVANA conducted on 23rd& 24th Feb 2018 at GITAM, Visakhapatnam.
- B.Anirudh of 3EEE has participated in spot painting in AARUNYA 2K18 conducted on 23.03.2018 at Matrusri Engineering College.
- Vijay of 3EEE has participated in NTSET-2018 scheduled conducted from 02.02.2018 to 03.02.2018 at Matrusri Engineering College.
- Ageer Akhil of 3EEE has participated in Outcome Based Technical Education towards achieving NBA/ABET Process organized by IEEE Hyderabad Section, Matrusri Engineering College conducted from 07-09-2017 to 09-09-2017.

PRIZES/ AWARDS RECEIVED BY STUDENTS

- Rithika Reddy of 3EEE has won 2nd Prize in Throw Ball in Athlema 2k18, A National Level Inter Engineering College Sports Meet organized at MVSREC conducted from 20.03.2018 to 21.03.2018.
- B.Anirudh of 3EEE has won 2nd Prize in spot painting event in AARUNYA 2K18 organized at MECS on 23.03.2018.
- Apurva Sri and Sowmya of 4EEE have won 1st Prize and 2nd Prize respectively in Abhigyan 2K17 - Project Expo held on 06.10.2017.

TOPPERS IN I, II AND III YEAR OF BE- EEE

- P Apoorva Sri of IV Year is awarded Gold medal for academics in III Year.
- Rithika Reddy of III Year is awarded Gold medal for academics in II Year.
- BVL Aparna of II Year is awarded Gold medal for academics in I Year.

STUDENTS PLACEMENTS

- Ashish Parimi, Raghavendra D and Radhika J got placed in Genpact.
- Ilyas got placed in Equinox Consulting Pvt.Ltd.
- Bhavani G got placed in Axiom Energy Conversion Ltd.
- Vijaya Bhargavi got placed in Rihu Software Consulting Pvt Ltd.
- Ranjit Kumar K got placed in Wipro.
- Saisiri G got placed as Graduate Apprentice Trainee in Mahindra & Mahindra.
- V Vishal Kumar got placed in Sunworks Energy Private Limited.
- S Rejender got placed in Compact Systems Pvt Ltd.
- Sowmya Reddy V got placed in Power Links.
- Chandana Bandi Venkata got placed in Laxmi Vilas Bank.
- Rambabu Bathini got placed in Retail Solutions.
- Sai Nanda Kishore Mutyala got placed in Gsant.

PARTICIPATION OF STUDENTS IN COLLEGE MAGAZINE

- Sankarshana Dordala of 2EEE has published an article on "SOLUCHAN: The Meme Disaster" and Poetry in Perceptions 2017-18, 5th Edition.
- K Sathwik Sharma of 2EEE has published an article on TRUTH in Perceptions 2017-18, 5th Edition.



GUEST LECTURES



INDUSTRIAL VISIT



BE III/IV – II semester students visited NTPS, Vijayawada, A.P.
(15.02.2018 to 17.02.2018)

GROUP PHOTO - IV YEAR EEE STUDENTS WITH FACULTY

