

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

2016 - 2017

DEPARTMENT OF **EEE** NEWSLETTER



Editorial Board

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P. Kishor

M. Saritha

P. Anil Kumar

K. Kartheek

N. Kalpana

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

The interaction between students and professors greatly enriches the educational experience for all. EEE Department provides students with the opportunities to gain and use knowledge to build successful lives and careers and become an integral part of the community. Our faculty members are experts in the areas they teach. Not only do they provide a solid grounding in the academic theories and concepts of their specialty, they also provide the students challenges facing their discipline. They provide the students the right balance of theory and practice. We emphasize team work to give opportunity to each student to benefit from the ideas and intelligence of their classmates.

Faculty Corner

FACULTY PUBLICATIONS

- Dr.G.Ravindranath, "Reconfiguration of Radial Distribution Network using Tellegen's Theorem", International Journal of Research and Scientific, Innovations, Volume III/ISSN- 2321-2705, August 2016.
- Dr.D.V.M.Chary, "P-V Curve Method for Voltage Stability and Power Margin Studies", International Journal of Engineering Science and Computing, Volume 7, issue 5, May 2017.
- Dr.G.Ravindranath, Tellegen Theorem based Load Flow Solution, International Conference on recent Innovations in Engineering & Technology-2016, Volume-

- P.Kishor, "Fuzzy Logic Controller based Permanent Magnet Synchronous Generator for Wind Energy Conversion System, International Conference Recent Innovations in Engineering & Technology-2016, Volume: 1.
- G.Venumadhav, "Neural Network: Heuristic (NN) Control Algorithm based DSTACOM for Power Quality Improvement", ICPET 2016, Proc, International Conference on Paradigms in Engineering and Technology (ICPET)-2016, Hyderabad, Pages(s): 136 – 140, Print ISBN: 978-93-5258-110-8.

· FDPS / STTPS / WORKSHOPS ATTENDED BY THE FACULTY

- Dr. G.Ravindranath and M.V Subramanyam, have attended workshop on "Quality Initiatives in outcome based Technical Education" conducted from 01.09.2016 to 03.09.2016 at Matrusri Engineering College, Hyderabad.
- M.V Subramanyam, P.Kishor, M. Saritha and N.Kalpna have attended one Day Work shop conducted by Intel on "High Processing Computers " on 16.12.2016 at Novatel, Hyderabad.
- P.Kishor, and M.V Subramanyam have attended Two day national workshop on Turbo Machinery & Electrical Equipment conducted from 22.12.2016 to 23.12.2016 at MVSREC.
- P.Kishor and M.V Subramanyam have attended one day national workshop on national instruments on 17-12-2016 at Hotel ITC Kakatiya.
- M. Saritha and N.Kalpna have attended one week workshop on Global Trends in Renewable Energy Systems and Smart Grids-GTRESSG- 2016 conducted from 21.11.2016 to 26.11.2016 at CVR College of Engineering.
- M. Praveen Reddy and P.Kishor have attended one day workshop on NPTEL on 9.7.2016 at Vardhaman College of Engineering.
- M. Praveen Reddy has attended one week FDP Programme on "INTERNET OF THINGS" at NIT Warangal conducted from 5.6.2016 to 10.6.2016.
- B.Madhukar, P.Anil Kumar and M. Praveen Reddy have attended two day training on "Solar Energy Technology" at Avghni Renewable Energy Systems India Pvt. Ltd. Secunderabad conducted from 10.7.2016 to 11.07.2016.
- M.Srinivas Reddy has attended FDP on "Effective Teaching Methods & Technical Writing Skills" organized by IEEE education society, MECS on 15.07.2016.

MEMBERSHIPS IN PROFESSIONAL BODIES

The Indian Society for Technical Education (ISTE)

- Matrusri Engineering College has been certified as Educational Institution Member by ISTE in 2016.

Institute of Electrical and Electronics Engineers (IEEE)

- About 4 students from EEE have got IEEE student membership.
- Mr. M. Srinivas, Asst. Professor has taken ISTE life membership and IEI membership.

EVENTS ORGANIZED

- Training Programme Covering MATLAB /Simulation for IV year students by Naresh Technologies conducted from 19.03.2017 to 20.03.2017.
- Training Programme on Skillfest 2017 by Skillfirst Digital Pvt Ltd and Teleuniv Pvt. Ltd for IV year students conducted from 23.2.2017 to 25.3.2017.
- Guest lecture on "Power Transformer Maintenance in Industry "by Mr. ER. S. Raju Naik, ADE, CPTI by Mr.G.Mahesh, ADE, CPTI for IV year students on 10.2.2017.
- Guest lecture on "Practical applications of DSP" by Dr.G.Ravindranth, HOD-EEE for III year students on 10.01.2017.
- Guest lecture on "Industrial Automation" by Mr. V.Madhukar, PS&T PVT.LTD., Hyderabad for IV year students on 16.10.2016.
- Guest lecture on "Towards Resilient Electrical Power Distribution Systems" by Prof.K.B.Raju, HOD-EEE, TKRCET for III year students on 3.10.2016.
- Skill Set Training Programme Covering PLC & SCADA by MEPAC³ Engg Solutions conducted from 29.9.2016 to 1.10.2016.
- Guest lecture on Mi Power Software by Dr. DVM Chary, Prof, HOD, EEE, MVSR for IV year students on 5.8.2016.
- Guest lecture on "Modern substation layout, bus arrangements and substation equipment" by Mr.G.Mahesh ADE, CPTI, Hyderabad for III year students on 10.8.2016.
- Three-day Training on "Solar Energy Technology and its Applications" at AVGHNI Renewable energy Systems India PVT. Ltd for III year students conducted from 15.7.2016 to 17.7.2016.
- SADHYA 2K17, a two day cultural and technical event, organized on March 31st and April 1st, 2017.

EVENTS ORGANIZED IN ASSOCIATION WITH IEEE

- Seminar on Women in Engineering & Career Guidance, jointly organized by IEEE Edu Soc on 06.08.2016.

- Guest lecture on "Internet of Things (IoT)", jointly organized by IEEE EDU Soc. Ltd on 30.07.2016.

Students' Corner

INTERNSHIPS BY STUDENTS

- Motors, Switchgear and Vfd's by Adithya Mallikarjun Rayaprolu, K.Ravi Kumar, V.Vishal Kumar and N.Nagaraju of 3EEE at SIEMENS Ltd, Hyderabad from 01.06.2016 to 30.06.2016.
- Industrial Training in Generators by P.Ashish, B.Yashwanth, Srk Emmanuel of 3EEE at BHEL, Hyderabad from 18.06.2016 to 01.07.2016.
- Manufactureing and Working of Turbo Generator by T.Gopichand, K.Avinash, K.Chetan Kumar and Ch Srinath Reddyat of 3EEE at BHEL, Hyderabad from 20.02.2016 to 06.07.2016.
- Study of PLC on CNC Machine at by Mohd Wael Ali Babar of 3EEE at BHEL, Hyderabad from 23.06.2016 to 06.07.2016.

PARTICIPATION OF STUDENTS IN INTER & INTRA INSTITUTE EVENTS

- K Rithika Reddy of 2EEE has participated in International Day of Yoga on 21.06.2017 at NCC, Secunderabad.
- Sankarshana Sharma of 1EEE has participated in Atmos at BITS Pilani.
- Ch Sai Mani Varun of 2EEE has participated in Digital Project Planning and Control organized by EMD Techworks on 05.03.2017.
- N.Vinay Kumar, P. Sai Sankeerth, S.Rajender, T.Shiva Reddy, K.ManiKanta, G.Yogiram, G.Anvesh, E.Narsimulu, and D.Sree Harsha of 4EEE have participated in Three-Day Workshop On "Solar Energy Technology and its Applications" at Avghni Renewable Energy Systems India Pvt.Ltd conducted from 15.07.2016 to 17.07.2016.
- Ageer Akhil of 2EEE has participated in Section Student Congress 2016 organised by IEEE Hyderabad Section on 22.10.2016 and 23.10.2016 at Mekaster Auditorium, OUCE, Hyderabad
- Ageer Akhil of 2EEE has participated in UAV's/Drones- Technological Advances and Inovations organized at Hotel Marigold, Begumpet HYD on 05.11.2016.
- B.Anirudh of 3EEE has participated in seminar on Employability Skills and Artificial Intelligence and workshop on Internet of Things organized by Skillfirst Digital Pvt.Ltd at Matrusri Engineering College conducted from 23.02.2017 to 25.02.2017.

- Vinay Kumar N and Vishal D of 4EEE have participated in MEDHA 2K16 at GIET, Rajahmundry on 5th & 6th Oct 2016.

PRIZES/ AWARDS RECEIVED BY STUDENTS

- P.Sowmya and P.Apurva Sri of 3EEE have won 2nd prize in Pragnya 2017 conducted on 21.03.2017 and 22.03.2017 at JNTUH.
- Priyanka of 2EEE has won 1st prize in Nirman-2k17 organised at OUCE, Hyderabad on 11.03.2017.
- Mounika P and Saisiri G of 4EEE have won 1st and 2nd prize respectively in Abhigyan 2K16 - Project Expo conducted on 07.10.2016 at Matrusri Engineering College.

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

- B.Sateesh of IV Year is awarded gold medal for academics in III Year.
- P Apoorva Sri of III Year is awarded gold medal for academics in II Year.
- S. Naga Ashritha of II Year is awarded gold medal for academics in I Year.
- P. Mounika has secured University 10th Rank.

STUDENTS' PLACEMENTS

- Adithya Mallikarjun got placed in Tech Mahindra.
- Vishal D got placed in Tech Mahindra.
- Bairu Manish got placed in Advantage One Tax Consulting Pvt Ltd.
- T Shiva Reddy and Akhileshwar Reddy P got placed in Amazon.
- Sowjanya P and Ravali P got placed in Surya Informatics.
- Sai Sankeerth P and Vaidehi Dasari got placed in Impact Associates Consulting Pvt. Ltd..
- Sai Kumar Chintakunta got placed in Popcorn Apps.
- Nikil Chakravarthi Siddamsetti got placed in APGVB.

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 Srisaillam Left bank Hydrel power plant with capacity 150X6 MW on 17-3-17 & 18-3-17.



BE III/IV – II semester students visited Shankarpally 480KV Substation on 25-3-17.



Group Photo - IV Year EEE students with Faculty

