

NEWSLETTER

2019-20



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
MATURI VENKATA SUBBA RAO ENGINEERING COLLEGE**

Nadergul (P.O), Hyderabad – 501510

(Sponsored by Matrusri Education Society)

Affiliated to Osmania University

The Department of Electrical and Electronics Engineering, was started in the year 1997. It offers one Under-Graduate programme (B.E. - EEE), Since the inception, the department has grown not only in terms of student and faculty strength, but also in improving the laboratory facilities for the teaching and research purposes. The department has state of the art equipment in all the 10 spacious laboratories and the management has spent over 1.5 Crores for establishing these labs.

Department is enriched with not only experienced, committed and highly qualified teaching staff but also well experienced non-teaching staff. The faculty members have strong sense of responsibility to provide the finest possible education for undergraduate students. Students are performing exceptionally very well in not only University examinations but also other competitive exams. Regular industry visits are conducted to enhance the knowledge of the students. Department has good placement track record.

DEPARTMENT VISION & MISSION:

VISION: To impart knowledge and prepare the students to become committed professionals with human values.

MISSION: The department strives to provide the engineering foundation as well as professional, innovative and leadership skills to the students through the following activities:

- Provide sound foundation in the areas of power systems, drives electronics and allied engineering areas.
- To create an ambiance that provides personalized and supportive environment to make learning joyful and stimulating.
- Encourage design and development of electrical systems promoting innovation and entrepreneurial skills.
- Inculcate communication skills, lifelong learning, ethics in professional practices and societal responsibility.

Program Educational Objectives of B.E. (Electrical and Electronics Engineering)

Electrical and Electronics Engineering is a broad discipline that incorporates skills and expertise in the areas which are essential to most sectors of industry.

Bachelors program in Electrical and Electronics Engineering in the college is aimed at preparing graduates who will

PEO 1	Demonstrate technical competence in identifying, formulating, analyzing, and creating Electrical engineering solutions
PEO 2	Emerge as competent technologist, professionals in electrical industry, government, academia, research, entrepreneurial pursuit and consulting firms.
PEO 3	Render the needs of the society as morally responsible Electrical and Electronics Engineer with proven expertise.

PROGRAM OUTCOMES & PROGRAM SPECIFIC OUTCOMES

Program Outcomes (POs)

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design / Development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society:** apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs) for B.E (Electrical Engineering)

1. Graduate will be able to demonstrate an ability to analyse, design and provide an engineering solution in the areas related to Electrical and Electronics Engineering.
2. Graduate will demonstrate an ability to design, simulate and develop electrical and electronic products using Electronic Design Automation (EDA) tools.

I. EVENTS ATTENDED:**Training/STTP/Faculty Development Programs (FDP):****➤ Mr. Shyam Mohan, Mr. L. Harshavardhan and Mr. N. Bharat Mohan**

Participated in the faculty development program "Academic research in engineering for industry and patents" conducted by CSI- Maturi Venkata Subba Rao Engineering College Student chapter held during 1st -5th June 2020.

➤ Mr. P. V. V. Raghava Sharma, Mr. I.N. Swamy and Mrs. G. Sirisha

Participated in the One - Week Faculty Development Programme (FDP) on "Advanced Optimization Techniques and hands-on with MATLAB/SCILAB" Organised by Ministry of Electronics and Information Technology (MeitY), Government of India in association with Electronics India held during 13th to 24th July 2020

➤ Mr. P. V. V. Raghava Sharma, Mrs. D. Sai Prasanna

Actively participated in online training program "8051 Micro Controller and Industrial Automation" organised by National institute of technical teachers training and research, Chennai held during 7th to 18th December 2020.

➤ Mrs. D. Sai Prasanna

Participated in the Short-term training program STTP "Advances in Power electronics - Renewable energy systems and E-mobility Applications" organised by Anurag University (Anurag group of institutions), Hyderabad held during 7th to 12th November 2020.

➤ Mr. P. V. V. Raghava Sharma, Mrs. G. Sirisha

Participated in the online faculty development program "Applications of artificial intelligence for modern power system" organised by St. Joseph college of engineering, Chennai in association with Cambridge English Qualifications held during 20th - 24th July, 2020

➤ Mr. S. Shyam Mohan

Participated in the online faculty development program "Applications of Artificial Intelligence techniques in electrical engineering" organised by Department of Electrical Engineering, Osmania University, Hyderabad in association with Veer Surendra Sai University of Technology held during 18th - 23rd November, 2019.

- **Dr. T. ChadraSekhar, Mr. P. V. V. Raghava Sharma, Mr. P.B. GuruPrasanna, Mr. M. Raveendra Reddy, Mr. B. RamaKrishna, Mrs. D. Sai Prasanna**

Participated in the one-week online faculty development program “Artificial Intelligence, Machine Learning, Internet of things & Big Data applications and its allied areas” organised by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad in association with IEEE Hyderabad Section held during 1st to 6th June 2020.

- **Dr. T. ChandraSekhar**

Participated in the online faculty development program “Au-motive technology for sustainable future” organised by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad in association with AICTE held during 7th to 12th September 2020.

- **Dr. E. V. C. Sekhara Rao**

Participated in the online faculty development program “Block chain technology in electrical power systems applications” organised by Sreenidhi Institute of Science and Technology, Hyderabad held during 31st August - 4th September, 2020.

- **Mr. B. Ramakrishna**

Participated in the online faculty development program “Challenges & Opportunities in Electrical Engineering - A Research Perspective” organised by Bharat Institute of Engineering and Technology, Hyderabad held during 15th to 20th June 2020.

- **Mrs. G. Sirisha**

Participated in the online faculty development program “Contemporary challenges in electrical engineering and aiding technologies” organised by St. Joseph college of engineering, Chennai in association with Cambridge English Qualifications held during 6th - 10th June, 2020.

- **Mr. G. Satyanarayana, Mr. P. B. GuruPrasanna, Mrs. G. Sirisha**

Participated in the online faculty development program “Control Systems Design - From A Beginner - an Expert - 2.0” organised by GMR Institute of Technology, Rajam held during 5th - 10th July, 2020.

➤ **Mr. V. Raghu Krishna**

Participated in the online faculty development program “Current Research Trends in Power Systems and Power Electronics” organised by Vignan's Nirula Institute of Technology and Science for Women, Guntur held during 20th - 25th July, 2020.

➤ **Dr. D. Hari Krishna**

Participated in the online faculty development program” Cutting -Edge technologies for electrical engineering” organised by Andhra Loyola institute of Engineering & Technology held during 18th - 23rd May, 2020.

➤ **Mr. V. V. Satyanarayana Akula**

Participated in the online faculty development program “Data Analysis in MS Excel” organised by REST Society for Research International, Tamil Nadu held during 29th June - 4th July, 2020.

➤ **Mr. M. Raveendra reddy, Mr. L. Harshavardhan**

Participated in the online faculty development program “Electric power grid modernization trends, challenges and opportunities” organised by KKR & KSR Institute of Technology and Sciences, Guntur held during 9th - 15th June 2020.

➤ **Mr. B. Ramakrishna**

Participated in the online faculty development program “Electric Vehicles” organised by Vidya Jyothi Institute of Technology, Hyderabad held during 11th - 15th June, 2020.

➤ **Mr. P. V. V. Raghava Sharma, Mrs. D. Sai Prasanna**

Participated in the online faculty development program” Electrical vehicles: new trends and technologies” organised by ABES Engineering College, Uttar Pradesh held during 22nd - 26th June, 2020.

➤ **Mr. N. Ravi, Mr. N. Bharat Mohan**

Participated in the online faculty development program” Emerging Techniques in Smart Power System: Challenges and Solutions” organised by Department of Electrical Engineering, NIT Warangal held during 24th - 28th August, 2020.

➤ **Mr. N. Ravi, Mr. B. Ramakrishna**

Participated in the online faculty development program "Emerging trends and challenges in electrical engineering" organised by Vaageswari College of Engineering, Karimnagar held during 22nd - 27th June, 2020

➤ **Mr. Y. Laxmi Narsimha Rao, Mr. P. B. Guru Prasanna, Mr. V. Raghu Krishna, Mr. V. V. Satyanarayana Akula, Mr. B. Ramakrishna, Mrs. D. Sai Prasanna**

Participated in the one-week online faculty development program "Energy Auditing, Management & Design of Solar Energy Systems" organised by Maturi Venkata Subba Rao (MVSR) Engineering College, Nadergul, Hyderabad in association with Energy Staff College of India held during 8th - 12th September, 2020.

➤ **Mr. G. Satyanarayana**

Participated in the online faculty development program "Fragrance of signal processing" organised by V.K.R, V.N.B&A.G. K College of Engineering, Gudivada held during 10th - 14th July, 2020.

➤ **Mr. P. V. V. Raghava Sharma, Mrs. D. Sai Prasanna**

Participated in the faculty development program "Future research scope in electrical engineering" organised by St. Joseph college of Engineering, Chennai in association with Cambridge English Qualifications held during 22nd - 26th June, 2020.

➤ **Dr. D. Harikrishna, Mr. N. Bharat Mohan**

Participated in the online faculty development program "Hands on training in Artificial Intelligence and Optimization technique applications" organised by Vidya Jyothi Institute of Technology, Hyderabad held during 9th - 16th November, 2020.

➤ **Dr. E. V. C. Sekhara Rao, Mr. B. Ramakrishna**

Participated in the online faculty development program "Industrial relevance of electrical engineering" organised by BVRIT Hyderabad College of Engineering for Women, Hyderabad held during 15th - 20th June 2020.

➤ **Mr. S. Shyam Mohan**

Participated in the faculty development program” Mathematics in real, applied computing learning environment “organised by Science and Humanities Department, Maturi Venkata Subba Rao (MVSR) Engineering College, Nadergul, Hyderabad held during 1st - 6th July, 2020.

➤ **Dr. E. V. C. Sekhara Rao, Mr. Y. Laxmi Narsimha Rao**

Participated in the online faculty development program “Micro grid, electrical vehicles and allied areas” organised by Kakatiya Institute of Technology & Science, Warangal in association with ISTE held during 1st - 5th June, 2020.

➤ **Mr. B. Ramakrishna**

Participated in the online faculty development program “Tools for Scientific Communication and Effective Teaching” organised by Vaagdevi College of Engineering, Warangal held during 2nd - 6th June, 2020.

➤ **Mr. P. V. V. Raghava Sharma**

Participated in the online faculty development program” One-week Unique hands-on International Online FDP on Control Systems Design” organised by GMRIT, Rajam held during 5th - 10th July, 2020.

➤ **Mr. L. Harshavardhan**

Participated in the online faculty development program” Operation and Control of Various Resources in Microgrid" organised by National Institute of Technology, Warangal held during 20th - 24th July, 2020.

➤ **Mr. P. B. GuruPrasanna**

Participated in the online faculty development program “Power converters design” organised by JNTU Collge of Engineering Ananthapuram held during 25th - 29th September, 2019.

➤ **Mr. P. B. GuruPrasanna**

Participated in the online faculty development program” Power electronics applications in smart grid and electric vehicle” organised by Sri Ramakrishna Engineering college, Coimbatore held during 3rd - 7th August, 2020.

➤ **Mr. M. Raveendra reddy**

Participated in the online faculty development program “Power electronics applications in RES technology status and future trends” organised by Vasavi College of Engineering, Hyderabad in association with AICTE held during 16th - 21st September, 2020.

➤ **Mr. B. Ramakrishna**

Participated in the online faculty development program” Power electronics applications in smart grid” organised by Santhiram Engineering College, Nandyal held during 26th - 31st May, 2020

➤ **Mrs. G. Sirisha**

Participated in the online faculty development program “Power quality and energy auditing” organised by National Small Industries Corporation limited, ECIL, Hyderabad held during 3rd - 17th August, 2020.

➤ **Mr. P. V. V. Raghava Sharma, Mrs. G. Sirisha, Mrs. D. Sai Prasanna**

Participated in the online faculty development program” Real time aspects of power systems scenario” organised by Mahatma Gandhi Institute of Technology, Hyderabad held during 6th- 10th July, 2020.

➤ **Dr. E. V. C. Sekhara Rao, Mr. P. B. GuruPrasanna, Mr. B. Ramakrishna**

Participated in the online faculty development program” Real Time Hardware in the Loop (HIL) Simulation for Power Electronics & Power Systems” organised by Rajkiya Engineering college, Mainpuri in association in with OPAL-RT held during 22nd - 26th June, 2020.

➤ **Mr. N. Ravi, Mr. N. Bharat Mohan, Mr. B. Ramakrishna**

Participated in the online faculty development program “Recent Strategies on Micro- and Smart-Grid Technologies” organised by GMR Institute of Technology, Rajam held during 15th - 19th June, 2020.

➤ **Mr. N. Bharat Mohan, Mr. B. Ramakrishna**

Participated in the online faculty development program “Recent trends in electrical engineering” organised by Vishnu Institute of Technology held during 8th - 12th June, 2020.

➤ **Mr. V. Raghu Krishna**

Participated in the online faculty development program” Renewable energy Application in Smart Grid, Micro Grid and EVs (REASGMGEV-2020)” organised by GMR Institute of Technology, Kakinada held during 13th - 17th July, 2020.

➤ **Mr. N. Ravi, Mr. N. Bharat Mohan, Mr. B. Ramakrishna**

Participated in the online faculty development program” Research Challenges in Electrical Engineering [RCEE]-2020” organised by Ramachandra college of Engineering, Eluru held during 18th - 23rd May, 2020.

➤ **Mr. P. B. GuruPrasanna**

Participated in the online faculty development program” Research Methodology: Research Ethics, Methods, Skills, Writing and Communication” organised by Mizoram University, Aizawal in association with STRIDE held during 19th August - 1st September, 2020.

➤ **Mrs. G. Sirisha**

Participated in the online faculty development program” Role of digital technologies and alternate energy in industries” organised by St. Josheph college of engineering, Chennai in association with Cambridge English Qualifications held during 27th - 31st July, 2020

➤ **Mr. N. Ravi**

Participated in the online faculty development program “Scientific Communication and Effective Teaching” organised by Vaagdevi College of Engineering, Warangal held during 2nd - 6th June, 2020

➤ **Mr. V. Raghukrishna**

Participated in the online faculty development program” Scilab- on open-source substitute for MATLAB” organised by Sridevi Women’s Engineering College, Hyderabad held during 23rd - 28th July, 2020

➤ **Mr. M. Raveendra Reddy**

Participated in the online faculty development program “Soft Computing Techniques” organised by National Institute of Technology Srinagar, J&K held during 25th - 30th July, 2020

➤ **Dr. D. Harikrishna**

Participated in the online faculty development program “Teaching, Learning, and Assessment Strategies” organised by IEEE Education Society Chapter of IEEE Hyderabad held during 18th - 23rd May, 2020.

➤ **Dr. E. V. C. Sekhara Rao**

Participated in the online faculty development program” Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sec-r “organised by Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad held during 2nd - 7th November, 2020.

➤ **Mr. B. Ramakrishna**

Participated in the online faculty development program” Tools for Scientific Communication and Effective Teaching” organised by Vaagdevi College of Engineering, Warangal held during 2nd - 6th June, 2020.

➤ **Mr. B. Ramakrishna**

Participated in the online faculty development program” Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles” organised by Bapatla Engineering College, Bapatla held during 1st - 5th June, 2020.

Workshops:

➤ **Mr. I. N. Swamy**

Attended a three-day workshop on “Advanced Training of Trainers Workshop on Preparing Resource Persons for FD on Student Induction” organised by IIIT, Hyderabad held during 15th-17th November, 2019.

➤ **Mr. Y. Laxmi Narsimha Rao**

Attended a workshop on “Arduino Programming and Applications for Beginners” organised by SNIST-Microchip in association with Department of ECE, Sreenidhi Institute of Science and Technology held during 8th-13th June, 2020.

➤ **Mr. P. B. GuruPrasanna**

Attended a workshop on “Basic Author Workshop Research Article Writing and Reference Management using Mendeley “organised by Faculty of Science, Annamalai University in association with ELSEVIER held on 22nd June, 2020

➤ **Mr. C. V. G. K. Rao, Mr. N. Ravi**

Attended a workshop on “Recent Trends in Green Technologies” organised by EEED, Maturi Venkata Subba Rao Engineering College in association with IEEE-PES MVSR SB and Pantech Solutions Pvt. Limited held during 19th-21st December, 2019.

➤ **Mr. P. B. GuruPrasanna**

Attended a workshop on “Recent Trends in Renewable Energy Systems and hybrid Electric Vehicles” organised by Department of Electrical Engineering, Osmania University in association with VSSUT, Burla, Odisha held on 16th November, 2019.

➤ **Mr. C. V. G. K. Rao**

Attended a workshop on “Reliability and Its Applications to Power Systems and Drives” organised by EEED, Osmania University College of Engineering in association with VSSUT, Burla, Odisha held during 26th-27th June, 2020

➤ **Mr. P. V. V. Raghava Sharma**

Attended a “Workshop on e-sim” organised by ICT at IIT Bombay in association with Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, MHRD, Govt. of India held on 21st September, 2019

➤ **Mr. N. Ravi, Mrs. D. Sai Prasanna**

Attended a workshop on “Research Articles Writing and Publications” organised by CSED, Maturi Venkata Subba Rao Engineering College in association with Computer Society of India held on 17th & 31st August, 2019.

➤ **Mr. N. Bharat Mohan**

Attended a workshop on “Spoken Tutorials and its Usage of open Source Software” organised by CSED, Maturi Venkata Subba Rao Engineering College in association with Spoken Tutorial, IIT Bombay held on 31st July, 2019.

Conferences:

➤ **Mr. Y. Laxmi Narsimha Rao, Mr. V. V. Satyanarayana Akula, Mr. P. V. V. Raghava Sharma**

Attended “International Conference on Multi-Disciplinary Research Studies and Education, Multi-Disciplinary Research Studies and Education” organised by Sreyas Institute of Technology held on 31st October, 2020.

➤ **Dr. E. V. C. Sekhara Rao**

Attended “International Conference on Computer Communication and Informatics 2020” organised by Sri Shakthi Institute of Engineering and Technology in association with IEEE held during 22nd-24th January, 2020.

➤ **Mr. Y. Laxmi Narsimha Rao**

Attended “International Conference on Inventive Computation Technologies 2020” organised by RVS Technical Campus in association with IEEE held during 25th -28th February, 2020

➤ **Dr. D. Harikrishna, Mr. N. Bharat Mohan**

Attended “National Conference on Recent Trends in Electrical Engineering” organised by Mahatma Gandhi Institute of Technology in association with IEEE held during 2019-20

Seminars:

➤ **Mrs. G. Sirisha**

Attended a webinar on “Magnetic Levitation and High-Speed Trains” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 07/01/2020.

➤ **Mrs. G. Sirisha**

Attended a webinar on “Energy Conservation and Auditing” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 07/02/2020.

➤ **Mrs. G. Sirisha**

Attended a webinar on “Super Conductivity and its Applications” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 07/04/2020.

➤ **Mrs. G. Sirisha**

Attended a webinar on “Modeling correlated Uncertainties in Optimal Operation of Islanded Micro Grids” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 13/07/2020.

➤ **Mrs. G. Sirisha**

Attended a webinar on “Best Practices in Design & Installation of Solar PV Systems” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 15/07/2020

➤ **Mrs. G. Sirisha**

Attended a webinar on “Electrical Maintenance in Heavy Manufacturing Industries” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 17/07/2020

➤ **Mrs. G. Sirisha**

Attended a webinar on “Opportunities in Power & Energy Sector for Innovation & Technology Applications in Rural Areas in India” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 22/07/2020

➤ **Mrs. G. Sirisha**

Attended a webinar on “Prepare Course & Programme Articulation Matrices” organised by National Institute of Technology, Bhopal held on 23/07/2020

➤ **Mrs. G. Sirisha**

Attended a webinar on “Hands on working with e-tap” organised by Mahatma Gandhi Institute of Technology, Gandipet held on 26/07/2020

➤ **Mrs. D. Sai Prasanna**

Attended a webinar on “Advancement in Microcontroller and its Real time Applications” organised by Poornima Institute of Engineering and Technology, Jaipur held on 05/06/2020

➤ **Mrs. D. Sai Prasanna**

Attended a webinar on “Arduino using Proteus” organised by Sreenidhi Institute of Science and Technology in association with Pantech held on 01/06/2020.

Orientation program attended:

➤ **Dr. D. Venumadhava Chary, Dr. D. Harikrishna, Dr. T. ChandraSekhar**

Attended a orientation program on “Mentors “organised by AICTE in association with National Initiatives for Technical Teachers Training held during 3rd- 10th June, 2020.

Refresher courses:

➤ **Dr. E. V. C. Shekara Rao**

Attended a refresher course on “Bhrateeya Chaitanyam” organised by Geeravana Bharathi of Chaitanya Samskruthi in association with Chaitanya Bharathi Insitute of Technology held during 29th-5th July, 2020.

➤ **Mr. P. B. GuruPrasanna**

Attended a refresher course on” Research Methodology” organised by Mizoram University in association with UGC held during 19th August-1st September, 2020.

➤ **Mr. S. Shyam Mohan**

Attended a refresher course on “Application of Ai techniques in Electrical Engineering” organised by Osmania University in association with VSSUT, Burla, Odisha held during 18th-23rd November, 2019.

II. Events Organised

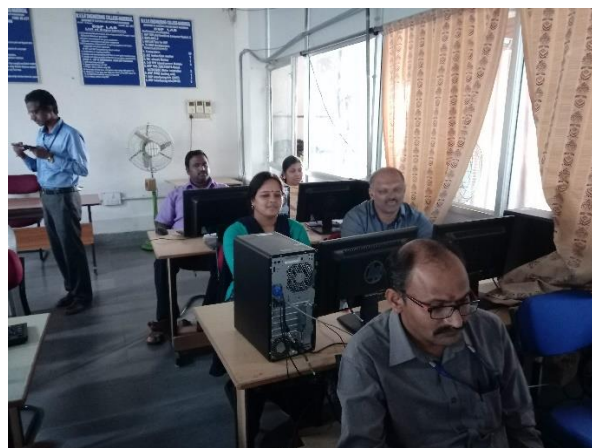
Lectures:

- Mr. Madhu, Vajrakarur, Final year Student, GATES Institute of Technology, A.P has delivered a lecture on “Process Development Of Producing Clean Drinking Water From The Moisture In The Air Using Wind Turbine” organised by INSTITUTION’S INNOVATION COUNCIL (IIC) held on 17th December 2020.

- Mr. P. V. V. Raghava Sharma, Assistant Profesor, EEEDept., Maturi Venkata Subba Rao Engineering College has delivered a lecture on “Scope of Innovation Using E-Sim Software” organised by IEEE &INSTITUTION’S INNOVATION COUNCIL held on 17th November 2020.
- Dr.A. V. RaviTeja, Assistant Professor, IITRopar, Department of Electrical and Electronics Engineering has delivered a lecture on “Hybrid Renewable Energy Integration to Grid” organised by IEEE &INSTITUTION’S INNOVATION COUNCIL held on 16th September 2020.

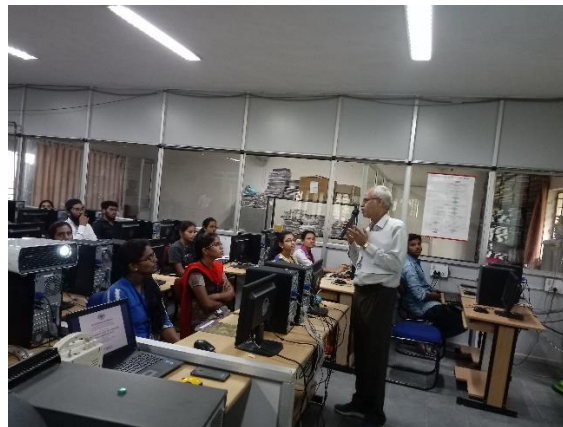
Workshops:

- A three-day workshop on “Recent trends in Green technologies” was organised by Dr. D. Hari krishna, Associate Professor, Mr. Y. Laxmi Narasimha Rao, Assistant Professor, EEE Department, Maturi Venkata Subba Rao Engineering College in association with PANTECH and Pro.ED held during 19th to 21st Dec, 2019.



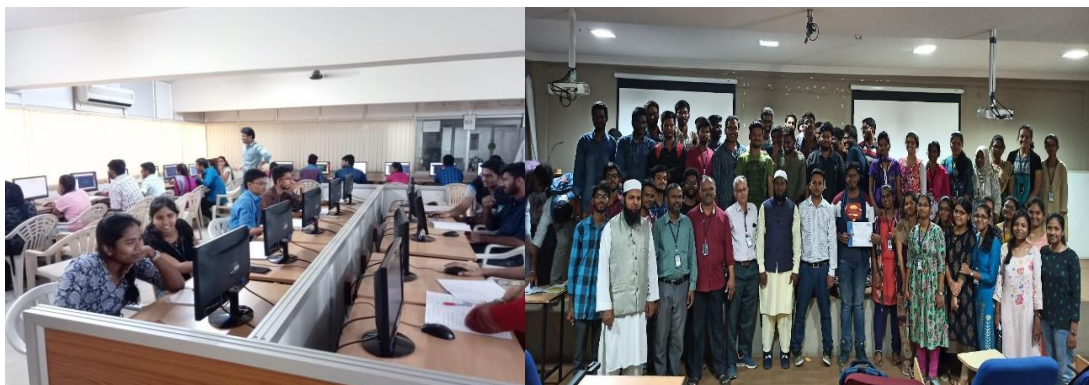


- A three-day workshop on “Power Electronics Application in Renewable Energy using Matlab and IoT” was organised by Mr. G. Satyanaryana, Assistant Professor, EEE Department, Maturi Venkata Subba Rao Engineering College in association with PANTECH and Pro.ED held during 19th to 21st September, 2019.



A three-day workshop on “Power Electronics Application in Renewable Energy using Matlab and IoT”

- A two day workshop on PCB Design was organised by Mr.G.Satyanaryana, Assistant Professor, EEE Department, Maturi Venkata Subba Rao Engineering College in association with Electrical Engineering Student Association(EESA)/MEPAC³ held during 10th -11th January, 2020



A two day workshop on PCB design

- A two-day workshop on “Electrical Design and Dialux Software” was organised by Mr. G. Satyanarayana, Assistant Professor, EEE Department, Maturi Venkata Subba Rao Engineering College in association with Electrical Engineering Student Association (EESA)/MEPAC³ held during 11th-12th March, 2020.



Mr.C.V.G.K Rao,HOD giving introduction about the program

- A three-day workshop” Telangana Academy for Skill and Knowledge” was organised by Mr. V. V. Satyanarayana, Assistant Professor, EEE Department, Maturi Venkata Subba Rao Engineering College in association with EEE Department, Maturi Venkata Subba Rao Engineering College held during 12th to 14th March 2020.



TASK event held during 12th to 14th March 2020

- A one-week workshop on “Python” was organised by Mr. N. Bharat Mohan, Assistant Professor, EEE Department, Maturi Venkata Subba Rao Engineering College in association with Spoken Tutorial IIT Bombay held during 17th-23rd August, 2020.

Faculty Development programs:

- A faculty development program on “Energy Auditing, Management and Design of Solar Energy System” was organised by departments of Mechanical, Electrical and Automobile of Maturi Venkata Subba Rao Engineering College in association with Energy Staff College of India held during 8th to 12th Nov,2020.
- A faculty development program on “Industrial Training Programme on "Energy Conservation" was organised by EEE department, Maturi Venkata Subba Rao Engineering College in association with Petroleum Conservation Research Association (PCRA) held on 21st Nov,2020.

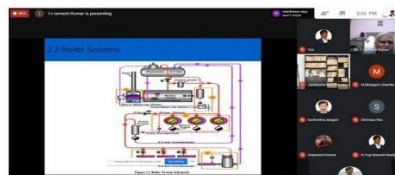


Photo1



Photo 2

Industrial Visit:

- One day industrial visit to 33/11kv substation on 12th July 2019.



- One day industrial visit to Srisaillam power plant on 29th February 2020.





III. Honour's/Awards received by Staff:

- Dr. E. V. C. Sekhara Rao has received Best Faculty Award by EETCRS by Research wing for Excellence in Professional Educational Industry presented by Educatio expo on 18th October 2020.
- Dr. D. HariKrishna has received Outstanding Branch Counsellor Award 2020 by IEEE on 21st October 2020
- Dr. D. HariKrishna has received Outstanding Contribution in Reviewing awarded papers to ICETEE-2020 by IEEE on 21st July 2020.
- Mr. Y. Laxmi Narsimha Rao has received Best Paper award in International Conference by ICRETM 2020 Sreyas Institute of Technology and Science on 20th June 2020.
- Mr. Y. Laxmi Narsimha Rao has received Best Paper award in International Conference And Science by ICCCET 2019 by Narayanamma Institute of Technology on 29th August 2019.
- Dr. D. HariKrishna has been awarded IEEE senior member by IEEE on 10th August 2019.
- Dr. E. V. C. Sekhara Rao has Accomplished Best Teacher Award by Maturi Venkata Subba Rao Engineering College, Matrusri Educational Society on 19th November 2019.

IV. Journal/Book Publications:**Journals:**

S. No.	Name of the Faculty	Title of the Paper	Name of Journal
1	N . Bharat Mohan Dr.D.Hari Krishna	Improvement in Mitigation Techniques for Power Quality Problems: A Review	International Research Journal of Engineering and Technology (IRJET)
2	S.Shyam Mohan	Arduino Based Solar Powered Battery Charging System for Rural Solar Residence	International Journal of New Innovations in Engineering and Technology
3	Y.Laxmi NarasimhaRao	Cascaded H-Bridge Three Level Inverter with SVPWM Using Sample Reference Phase Voltages	European Journal of Molecular & Clinical Medicine
4	Y.Laxmi NarasimhaRao	Fuzzy Logic Controller for Three level- NPC Inverter to Modified DTC SVM of Induction Motor	TEST Engineering and Management

Conferences:

S. No.	Name of the Faculty	Title of the Paper	Name of Conference
1	P.V.V.Raghava Sharma Y.LaxmiNarasimhaRao V.V.SatyanrayanaAkula	Direct Self Control-Svpwm Using imaginary reference phase voltages for ISG Controller	International Conference on
2	Dr.E.V.C. Sekhar Rao	Adjustable step size LMS based IRP methods of active power filter.	International Conference on Computer Communication and Informatics 2020
3	Mr.Y.Laxmi Narasimha Rao	Intellegent controllers for direct self-control SVPWM using sample reference phase voltages.	International Conference on Inventive Computation Technologies 2020
4	N.Bharat Mohan Dr.D.Hari Krishna	A Simulation Model on DC-DC Step Up Converter using Super –Junction MOSFET	National Conference on Recent Trends in Electrical Engineering

Books:

S.No	Name of the Author (Faculty)	Title	Publisher	Book/Book Chapter
1	Mr.Y.Laxmi Narasimha Rao	Fuzzy Controller for DTC-SVM of Induction Motor Using Sample Reference Phase Voltages	Springer	Computing Algorithms with Applications in Engineering/Chapter 25
2	Dr.M.Raju	Application of Firefly Algorithm Optimized Fuzzy 2DOFPID Controller for Diverse-Sourced Multi-area LFC	Springer	Computing Algorithms with Applications in Engineering/Chapter 23

V. Student's academic merits {OU Ranks, GATE Ranks, etc}

O.U Rank List from MVSREC, EEE Dept.

S.NO.	NAME OF THE STUDENT	ROLL NUMBER	RANK
1	GUMMADAVELLI SRAVANI	2451-16-734-065	I rank
2	YARRAMADHA SUSHMITA	2451-16-734-068	II rank
3.	A KAVYASRI	2451-16-734-302	III rank
4.	CHALLA SAI VENKATA LAKSHMI SOWMYA	2451-16-734-006	IV rank
5.	V VIGNESWARA HANUMANU SAI	2451-16-734-063	VI rank
6.	MOTHY NIHARIKA	2451-16-734-309	VII rank
7.	MOHAMMAD RIZWAN SHARIF	2451-16-734-320	X rank

GATE Rank List from MVSREC, EEE Dept.

S.NO	NAME OF THE STUDENT	ROLL NUMBER	GATE RANK (2019-20)
1.	E PAVAN KUMAR	2451-16-734-007	15564
2.	SWARAJ REDDY	2451-16-734-030	18637
3.	SURESH RATHOD NENA VATH	2451-16-734-037	28752

Placements: Student placed in different companies

Hyundai Mobis	1
TCS	5
Cognizant	5
Infosys	10
Accenture	15
Algonox	1

VI. Student Achievements:

- A team of 3 students (Vivek, Surya, Tarun) have bagged three prizes in total for their project on “**Li-Fi**” a light-based communication system. The prizes are: 1st position in **Science Day project expo** conducted by S&H Department of MVSREC-2019, 1st position in the annual project expo of MVSREC-2019, 3rd prize in **IEEE Technovanza 2019**.
- A student Akshara developed a project in collaboration Pavani an ECE student on “**Smart irrigation system**” and bagged first prize in the Science Day-2020.
- Another team of 2 students (A. Sravya, Rishita Reddy) developed a project based on generation of electrical energy from motion of vehicles passing over speed breakers.
- Shruti Samhita and G. Prateeka have won first prize for **Galileo Project** in **Elan& Nvision** fest conducted by **IIT Hyderabad** on February 14th and 15th 2020.
G Prateeka alone won first place and cash prize for salesman of the fest.



- K.Sai Ganesh , J.Sahith, P. Shikhara, N. Avinash, A. Lavan have secured first place in **Technocrity**(project expo) which was an event in **Techsonance** fest held in **Osmania University** on 14th and 15th March 2020.



Auto cognizance event in March 2020





OU Rankers 2019-20



Editor: Mr. C. V. Gopala Krishna Rao
Co-ordinators: Dr. E. V. C. Sekhara Rao, Mrs. D. Sai Prasanna
Student Co-ordinators: D. Sree Teja, Ch. Venkata Lakshmi Sowmya,
A Kavya Sri, G. Sravani



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
M.V.S.R. ENGINEERING COLLEGE
Nadergul (P.O.), Hyderabad-501510.