

NEWS LETTER

2017-2018



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

M.V.S.R. ENGINEERING COLLEGE

Nadergul (P.O), Hyderabad – 501510

(Sponsored by Matrusri Educaon 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:

- 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 engineering solutions including multi disciplinary technical areas
PEO 2	Continuously enhance their skills through higher education or research to emerge as competent technologist, educators or professionals.
PEO 3	Advance in their careers as successful professionals demonstrating ethical and societal responsibilities.

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 modeling 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 analyze, design and provide an engineering solution in the areas related to Electric Drives/ Control and Power systems.
2. Graduate will demonstrate an ability to design, simulate and develop electrical and electronic products using Electronic Design Automation (EDA) tools.

I Faculty Development Programs (FDP):

Workshops:

Dr. D. Hari Krishna, Mr. N. Ravi, Mr. P.B. Guru Prasanna, Mr. M. Raveendra Reddy, Mr. I.N. Swamy, Mr. V. Raghu Krishna, Mr. V.V. Satynarayana Akula, Mrs. G. Sirisha, Mr. N. Bharat Mohan, Mr. B. Rama Krishna, Ms. K. Navya Tejaswini.

- Has participated in Two-day workshop on “Signal Processing, Communications & Power Electronics with MATLAB R2017B” organised by the EEE & ECE Department of M.V.S.R Engineering College, held from 19th to 20th March, 2018.

Dr. D. Hari Krishna, Mr. S. Shyam Mohan, Mr. N. Ravi, Mrs G. Sirisha, Mr. B. Rama Krishna.

- Has participated in Three day workshop on “Soft Computing” organised by the CSE Department of M.V.S.R Engineering College, held from 22nd to 24th February 2018.

Dr.D.Hari Krishna

- Has participated in IEEE Hyderabad, SECTION STUDENT CONGRESS, 2017 held on 4th-5th November 2017 at PGRRCDE, at Osmania University, Hyderabad.

Mr.S.Shyam Mohan

- Has participated in One week short term course on “ High Voltage Gain Soft-Switching Advanced Current-Fed Technologies for Microgrid and Electric Transportation” sponsored by Ministry of Human resource Development(MHRD), Govt. Of India under the scheme “GIAN” from 18th to 23rd December 2017, at Osmania University.
- Has participated in Two day national level workshop on “Applied Numerical Methods Optimization Techniques & Learning” organised by S & H Department of M.V.S.R Engineering College, held from 19th -20th January, 2018.

Mrs G. Sirisha

- Has participated in three day national level workshop on “Outcome based technical education towards achieving NBA/ABTET process” organised jointly by IEEE Hyderabad section, IEEE Education Society and Matrusri Engineering college, on 7th – 9th September 2017.

GUEST LECTURES:**Mr. C.V.G.K.Rao**

- Delivered a lecture in the 5-day training programme “MAT LAB” for Mechanical Engineers scheduled during 3rd – 7th July 2017, organised by Mechanical Engineering Department, at MVSR Engineering College.
- Letter of appreciation lectured on “Introduction to basic Arithmetic operations, Branching” in the 5-day training programme from 3rd – 7th July 2017.
- Guest Lecture on “Soft Computing” on 22nd February 2018 at MVSR Engineering college.

Dr. T. Chandrashekar

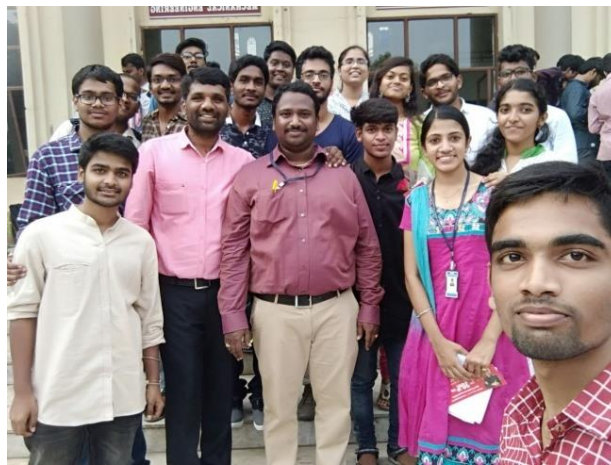
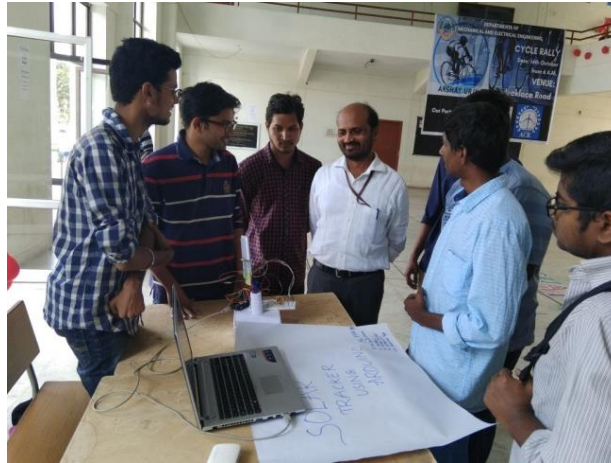
- Lecture on “Power Electronic Technologies & Opportunities (PETO-2017)” at Andhra University, Vishakhapatnam held on 18th – 22nd December 2017.

Mr. G. Satyanarayana

- Delivered a expert lecture on “Digital Signal Processing and its Applications” has organised by Special Training Programme from 13th – 17th November, 2107 at RCI, DRDO, Hyderabad.

II Events Organised:**Fests:**

1. National Level Technical Fest on Renewable Energy Sources AKSHAYURJA 2K17 was organised by Electrical and Electronics Engineering Department in association with Mechanical Department on 20th & 21st October 2017.



2. One day Project Expo held on 24th February 2018 was organised by MVSR Engineering college in association with various professional bodies.





3. IEEE MVSR Student Branch organized a Two-Day National Level Technical Symposium- 'Technovanza 2k18' held on April 2nd and 3rd 2018.



4. Akshaya Urja Cycle rally at Necklace Road on 14th October 2017.



5. Annual Alumin meet at MVSR Engineering college on 16th December 2017.



6. Signature Day of EEE final years MVSR Engineering college on 20th April 2018.

**Lectures:**

1. A technical lecture was given by M. Raveendra Reddy on the “Renewable Energy Sources and the current Scenario in India”. The event was organised by Power and Energy Society of IEEEEMVSRSB. The event took place in EEE Department of MVSR Engineering College on 16th April 2018.

**Workshops:**

1. Two Day Workshop on Siemens PLC & SCADA Organised by EEE Department, MVSR Engineering College, Hyderabad from 20th – 21st March 2018.



**Industrial Visits:**

1. One day field visit to Malkaram sub-station was organised by Power & Energy Society IEEE MVSR Student Branch on 17th February 2018.

**Other Activities:****Clubs:**

1. Energy Saver's Club was inaugurated by EEE Department of MVSR Engineering college on 12th march 2018 by Er. E. Srinivasa Chary, FIE, Electrical Executive Engineer, GHMC. Energy Conservation oath was made by Dr E.V.C.Sekhar Rao, FIE, Convener, Assoc. Prof, Energy Saver's Club MVSR Engineering College.



Ayudha Puja at Department:

Ayudha Puja is an integral part of the Navaratri festival, a Hindu festival which is traditionally celebrated in India. It is also called “Astra Puja” in simple terms, it means “Worship of Implements”.



Journal/Book Publications:

S.No	Name of the Faculty	Topic name	Journal
1	Dr. D. Hari Krishna Associate Professor Mr N. Ravi Assistant Professor Mr N. Bharat Mohan Assistant Professor	“A Review on Mitigation Techniques on Power Quality Issues”	National Conference on Computing, Communications & Electrical Engineering (NC ² E-2017) held on 15 th – 16 th Dec 2017 at Nalla Narasimha Reddy Engineering College.
2	Mr N. Ravi Assistant Professor Mr. S. Shyam Mohan Assistant Professor Mr. B. Rama Krishna Assistant Professor	“Comparative study of DC-DC Converter topologies for fuel cells”	2 nd International Conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-18) held at Balaji Institute of Technology & Science, Warangal on 16 th – 17 th Feb 2018.
3	Dr. D. Hari Krishna Associate Professor Mr N. Bharat Mohan Assistant Professor Mrs. G. Sirisha Assistant Professor	“A Review on problems and solutions in Power Quality”	2 nd International Conference on Recent Innovations in Engineering and Technology(ICRIEAT-2017) held at Aurora’s Scientific Technological and Research Academy, Hyderabad on 21 st – 22 nd December.
4	Mr. C.V.G.K. Rao Associate Professor Mrs. G. Sirisha Assistant Professor	“Estimation of fuel cost parameter for thermal power plants using LSE-NELDER MEAD LOCAL SEARCH (LSE-NM) optimization”	National Conference on Trends in Science, Engineering and Technology by Matrusri Engineering College & IJCRT at Matrusri Engineering College, Hyderabad on 2 nd – 3 rd February 2018.
5	Mr. C.V.G.K. Rao Associate Professor Mr. P.V.V. Raghava Sharma	“Teaching Learning Based Optimization for economic load dispatch with value point	National Conference on Trends in Science, Engineering and Technology by Matrusri Engineering College & IJCRT at

Assistant Professor Mr. G. Satynarayana Assistant Professor Dr. D.V.M. Chary Professor	loading effects”	Matrusri Engineering College, Hyderabad on 2 nd – 3 rd February 2018.
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Student’s academic merits {OU Ranks, GATE Ranks, etc}

O.U Rank List from MVSREC, EEE Dept.

Sl.No	Name of the Student	Roll No	O.U. Rank
1	V.Soumya	2451-14-734-076	VI
2	A.Hari Tejaswini	2451-14-734-073	VII
3	A.Lakshmi Sowdamini	2451-14-734-065	VII
4	C.Sravya	2451-14-734-002	X

Placements:

Student placed in different companies:

Accenture	- 21
Hyindai Mobis	- 1
Infosys	- 9
Amazon	- 4
Wipro	- 1
Fiat Crysler Automobiles	- 1
Copart India Pvt.Ltd	- 1
Cognizant	- 2
Dispatch track	- 2

Internships:

1. K.Sruthi, J.Rajeshwari.
 - Attended internship training from 14-06-2017 to 28-06-2017 on “Manufacturing of Turbo Generators” at BHEL, Ramachandrapuram, Hyderabad.
2. Eslavath Vinod Kumar
 - Attended internship training from 05-06-2017 to 20-06-2017 on “To Study of Turbo Generators Manufacture” at BHEL, Ramachandrapuram, Hyderabad.
3. Ch. Aravind Teja, Cheera Rajesh, Uppuluri Adithya, A. Nithin

- Attended internship training from 27-06-2017 to 10-07-2017 on “Study of Manufacturing process of Turbo Generators” at BHEL, Ramachandrapuram, Hyderabad.
- 4. M.A Asad Abrar, T.Nithesh, V.Soumya, K.Harshitha.
 - Attended internship training from 19-06-2017 to 23-06-2017 on “Internet of Things with Arduino(IA-04)” at ATI, Hyderabad.
- 5. K.Harshitha.
 - Attended internship training from 13-06-2017 to 12-07-2017 on “Power Distribution and Protection” at BDL, Hyderabad.
- 6. Preethi Patil, K.Bhuvaneshwari, V. Geetha, J.Ashalatha.
 - Attended internship training from 16-05-2018 to 29-05-2018 on “Generator and its Excitation System” at TSPGCL, Hyderabad.
- 7. M. Maheshwar Reddy, P. Pavan Kumar, A. Manohar Goud.
 - Attended internship training from 20-05-2018 to 29-05-2018 on “Generator and its Excitation System” at TSPGCL, Hyderabad.
- 8. P. Jayasri.
 - Attended internship training from 21-06-2018 to 05-07-2018 on “Overview of Thermal Power Station” at TSPGCL, Hyderabad.
- 9. B.K. Shanmukhi.
 - Attended internship training from 24-06-2018 to 09-07-2018 on “Manufacturing of Turbo generators” at BHEL, Ramachandrapuram, Hyderabad.
- 10. P. Soumya, P. Manasa, P. Srinivas, G. Prasanna Kumar.
 - Attended internship training from 24-06-2018 to 09-07-2018 on “Basic Instrumentation in Missile System” at DRDO ASL, Hyderabad.
- 11. CH. S.V.L. Soumya.
 - Attended internship training from 13-06-2018 to 14-07-2018 on “Exposure to Avionics” at RCI, Hyderabad.

Editor: Dr.D.V.M. Chary

Co-ordinators:

Student Co-ordinators:



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