

NEWS LETTER

2015-2016



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 a very 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 Program (FDP):**Workshops:****Mr S.Shyam Mohan**

- Attended Two Day workshop on “Web Designing-PERL and PHYTHON Way” organized by ITSA at Dept of IT, M.V.S.R Eng College, Nadergul, Hyd on 21st to 22nd August 2015.

Mr P.V.V.Raghava Sharma

- Participated in Seminar cum workshop on “Effective Presentation Skills” organized by University College Engineering(UCE), Osmania University, Hyderabad in association with Institute of Nuclear Medicine & Allied Sciences(INMAS), DRDO, Delhi on 7th September 2015.

Mr P.B.GuruPrasanna, Mr V.V.SatyanarayanaAkula

- Participated in One day workshop on “Awareness of Outcome Based Education And Accreditation” held at JNT University, Kukatpally, Hyd under TEIP-II, JNTUHCEH on 14th September, 2015.

Mr C.V.G.K.Rao, Dr.D.Hari Krishna

- Participated in National Level hands-on workshop “Accreditation Quality Enhancement through Outcome Based Engineering Education” held at Guru Nanak Institutions Technical Campus on 6th -7th November 2015.

Dr.T.ChandraShekar, Mr P.V.V. Raghava Sharma, Mr V.Raghu Krishna

- Participated in One week Training programme on “ Power Electronics and Drives for Vehicular Systems Technology Status & Future Trends” organized by EEE Dept of O.U, Hyd on 23rd-28th November 2015.

Dr.K.Brahmanandam, Dr.D.Hari Krishna, Mr S.Shyam Mohan, Mr P.V.V.Raghava Sharma

- Participated in One week Faculty Development program on “Embedded System Design & Applications- Hands On” organized by Dept of IT at M.V.S.R Engg College, Nadergul, Hyd on 28th December, 2015 to 2nd January, 2016.

Dr.K.Brahmanandam, Mr C.V.G.K.Rao, Dr.D.Hari Krishna, Mr N.S.R.Krishna,**Mr Y.L.N.Rao, Mr S.Shyam Mohan, Mr G.Satyanarayana, Mr N.Ravi,****Mr P.B.GuruPrasanna, Mr V.V. SatyanarayanaAkula, Mr V. Raghu Krishna,****Mr M.Raveendra Reddy, Mr L. Harshavardhan.**

- One week faculty refresher course on Control Systems Theory jointly organized by the Dept of Mech & EEE at M.V.S.R Engg College, Nadergul, Hyd on 4th to 8th January, 2016.

Dr.D.HariKrishna, Dr.T.ChandraShekar, MrN.S.R.Krishna, MrY.L.N.Rao, MrS.Shyam Mohan, MrP.V.V.Raghava Sharma, MrG.Satyanarayana, MrN.Ravi, Mr. P.B.GuruPrasanna, Mr I.NarasimhaSwamy, MrV.V.SatyanarayanaAkula, MrV.Raghu Krishna, Mr. M.Raveendra Reddy, Mr. L.HarshaVardhan.

- Participated in Two day National workshop on “11KV/415V/230V Electrical Distribution System Design” organized by Dept of EEE at M.V.S.R Engg college, Nadergul, Hyd on 12th-13th February, 2016.

Mr V.V.SatyanarayanaAkula

- Participated in One week National workshop on “Emerging Trends in Power Electronics & Power Systems” at Dept of EEE, VNR Vignana Jyothi Institute of Engg& Technology, Hyd on 16th-20th May 2016.

II. EventsOrganized:

Fests:

1. National Level Technical Fest on Renewable Energy Sources AKSHAYURJA 2K15 was organized by Electrical Engineering Students Association (EESA) and IEEE (SB) on 30th September to 1st October 2015.



Welcoming the Chief Guest



Dr. D.V.M.Chary Head EEED was addressing in the inauguration of AKSHAYURJA 2K15



Dr. D.V.M.Chary and Dr. D. Harikrishna participated in Akshaya Ganesha event.

- Paper Presentation, Project Expo and Poster Presentation were organized by EESA MVSR Student branch on 18th January, 2016.



- Two Day Technical Fest on SAMAVARTHAN 2K16 was organized by MVSR Engineering College, Hyderabad on 10th -11th March, 2016.



Lectures:

- A talk on “How Today’s engineers are the vital component for the betterment of the Future” by Mr V.Ashwini Kumar, Faculty Advisor IEEE MVSRSB on 15th September 2015.
- Guest Lectures was organized by IEEE- Power and Energy Society on “Advantages and importance of Power and Energy Society” by Dr. Koduri Srinivas, IEEE Hyd Section Chairman and “Latest trends in Power & Energy” by Dr.R.Balasubramanian, Chairman IEEE PES/IAS/PELS on 19th January, 2016.



Mr. V. Ashwini Kumar, IEEE SB Faculty Advisor addressing the gathering



Dr. R. Balasubramanian, (Chairman for IEEE PES/IAS/PELS) guiding the students and members for successful working of IEEE-PES.

Seminars/Conferences:

1. Technical Talk on Earthing & Earth Fault Protection by Mr C.Satish, Sr.IEEE Member, was organized by IEEE- Power and Energy Society on 19th March, 2016.



Speaker explaining about grounding



A group picture with the Guest Speaker- C.Satish, EEEFaculty, PES Advisor B.Sarveshwar Reddy, PES IEEE SB EXCOM - V.B.Mounika, Rahul, Yashwanth, Ujwala and student members who actively participated in the event.

Workshops:

1. Two day national workshop on “11kV/415V/230V Electrical Distribution” by Mr Md.Akheel Ahmed Khan, Project Manager, Qatar was organized by EEE Department on 12th and 13th February, 2016.

Industrial Visits:

1. Field Visit to Shahbad is to get facts and first hand evidence for the condition of electrical supply and use in rural sector.

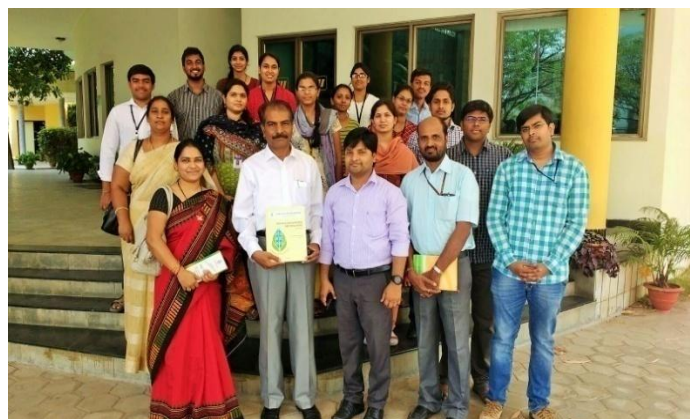


A group picture of the team involved in field visit at nearby substation.

2. A visit to CII Sohrabji Godrej Green Business Centre, Hyderabad to create awareness on how an energy efficient building can be designed and constructed.



Explaining about Energy Efficient Ventilating System



A Picture of Team with the Officials in Green Building

V. Honour's/Awards received by the Staff:

Dr. T. ChandraShekar awarded PhD degree in “Certain Investigations on Impedance Source Inverters” from IIT Delhi, April 2016.

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

O.U Rank List from MVSREC, EEE Dept

Name of the Student	H.T.No	Marks Secured	Rank
D.Srivalli	245112734003	4816	III
B.Prashanthi	254112734015	4781	IV
S.Shivani	245112734004	4724	VII
Y.DurgaSrinivas	245112734079	4724	VII
S.Yamini	245112734027	4681	IX
M.Pavan Kumar	2425112734081	4675	X

Placements:

Student placed in different companies:

Accenture	-	29
Wipro	-	24
Cognizant	-	22
Infosys	-	7
Deloitte	-	1
Capgemini	-	2
Amazon	-	2
Genpact	-	1

Internships:

1. G.Subramanyam

- Attended internship training from 22-06-2015 to 15-07-2015 on “Speed Control of Induction Motor using DSP Processor TMS320F28335” at IITH.

2. P.Prem Kumar
 - Attended internship training from 23-06-2015 to 07-07-2015 on “Manufacturing of Turbo Generators” at BHEL, Ramachandrapuram, Hyderabad.
3. Yela Prasanna, B.Pranavi, Ch.Deepak Kumar, R.Vijay Kumar Reddy.
 - Attended internship training from 02-07-2015 to 16-07-2015 on “Manufacturing of Turbo Generators” at BHEL, Ramachandrapuram, Hyderabad.
4. V.Sudhamshu, B.R.Swetha, A.V.Suraj, T.Sai Yashwanth, B.Ujwala
 - Attended internship training from 07-07-2015 to 21-07-2015 at BHEL, Ramachandrapuram, Hyderabad.
5. S.S.Sai Kasyap
 - Attended internship training from 20-07-2015 to 03-08-2015 on “Study of Power Distribution” at BHEL, Ramachandrapuram, Hyderabad.
6. B.Rohith, Ch.Prudhvik, M.Rachana, A.G.Rupa Sagari, R.Usha Manaswini, R.Mani Kiran, B.Pavan Chary, P.Satish, K.Chandrakanth, Ch.Varsha, K.Sai Teja
 - Attended internship training from 21-12-2015 to 30-12-2015 in the Power Generation Department of KTPS, Kothagudem.
7. K.Bhargav, M.Naveen, D.Prasanth, T.Manikanta Reddy, S.Sai Kumar
 - Attended internship training from 24-12-2016 to 05-01-2016 on “Operational Description of 400KV switch yard” at NTPC.
8. E.Naveen Kumar, S.Aditya, D.Sairam Naik, C.Deepak Kumar, M.Vamshidhar Reddy, V.Bharirath Reddy, B.Anil Kumar, U.L.Manohar Reddy, MD.Asif Khan, Pritham Poria, N.Sathwik, G.Karishma, V.Arun Kumar, B.Arvind Goud, Ch.Kiran Kumar, B.Manoj Kumar.
 - Attended internship training from 02-01-2016 to 14-01-2016 on “Operational Description of 400KV switch yard” at NTPC.
9. P.Sai Navya, M.N.V.Sai Swetha, Ch.Dharanesh.
 - Attended internship training from 10-02-2016 to 09-03-2016 on “Emergency alert for women safety with location tracking” at ECIL, Hyderabad.
10. Ch. Dharanesh.
 - Attended internship training from 10-02-2016 to 09-03-2016 on “Micro Controller based customizable wireless sensor node to detect hazardous gas pipeline leakage” at ECIL, Hyderabad.

Journal Published:

1. Siraj Ahmed published a Journal on “Realization of Method to Control Electrical Appliances through Web Interface” in International Journal of Science and Research(IJSR), Paper ID: NOV151786(IJSR), on November 2015.

VII Sports & Other Achievements:

1. D.Venkatesh, M.Nikil Chandra, P.Prasanth, S.Raja Chaithanya won second prize in Ex.Quiz IT event, STHAPATY 16- National Level Technical Symposium at JNTU Hyderabad on 18th – 19th March 2016.
2. D.Upendra, K.Nikil Kumar, B.Manideep Kumarhas won third prize in Ex.Quiz IT event, STHAPATY 16- National Level Technical Symposium at JNTU Hyderabad on 18th – 19th March 2016.
3. G.Rohit has won second prize in the event CIRCUITRIX in Techovanza 2K16 under IEEE MVSRSB at M.V.S.R. Engg College, on 19th March 2016.
4. A.Lakshmi Manasa has won First position in the event Paper Presentation in Samavarthan 2K16 at M.V.S.R. Engg College, on 10th -11th March 2016.
5. D.Upendrahas won second position in Kabaddi, ATHLEMA 2K16 at M.V.S.R Engg College, Hyderabad on 8th – 9th March 2016.
6. M.Nikil Chandra has won second position in Cricket, ATHLEMA 2K16 at M.V.S.R Engg College, Hyderabad on 8th – 9th March 2016.
7. K.Akil Kumar has won third position in Football, ATHLEMA 2K16 at M.V.S.R Engg College, Hyderabad on 8th – 9th March 2016.
8. S.Raja Chaithanya has won third position in Table Tennis, ATHLEMA 2K16 at M.V.S.R Engg College, Hyderabad on 8th – 9th March 2016.
9. A.Lakshmi Manasa has won First prize in the event Quiz under the aegis of IEEE MVSRSB at M.V.S.R. Engg College, on 18th Jan 2016.
10. A. Lakshmi Sowdamini has won First prize in the Poster Presentation event under the aegis of IEEE MVSRSB at M.V.S.R. Engg College, on 18th Jan 2016.
11. J.Kavya Sree, T.Sree Chandana has won Second prize in the Poster Presentation event under the aegis of IEEE MVSRSB at M.V.S.R. Engg College, on 18th Jan 2016.
12. K.Mukesh, P.Rama Krishna has won in TECHNOLITES at Vardhaman College of Engineering, on 15th – 16th October 2015





Editor: Dr.D.V.M.Chary

Co-ordinators: Mr Y.L.N Rao, Mr I.N.Swamy

Student Co-ordinators: Akhil, K.V.Sirisha, V.B.Mounika



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