

# **NEWSLETTER**

**2018-2019**



**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:**

- 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 analyse 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 teamwork:** 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 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. EVENTS ATTENDED:**

##### **Faculty Development Programs (FDP):**

###### **➤ Dr. D. HariKrishna, Mr. I N Swamy**

Participated in Ministry of Electronics & Information Technology, Govt. of India, Sponsored One Week Faculty Development Programme (FDP) on "POWER QUALITY ANALYSIS AND IMPROVEMENT TECHNIQUES" jointly organized by the Department of Electrical Engineering and E & ICT Academy, National Institute of Technology, Warangal from 18th June - 23rd June, 2018. participant's performance is satisfactory.

➤ **Mr. I N Swamy, Mr. V. V. Satyanarayana Akula**

Participated in the "Engineering Colleges - Induction Programme" held during 13-15 July 2018 in the University College of Engineering (Autonomous), Osmania University, Hyderabad, T.S -500 007.

➤ **Mr. N. Ravi, Mr. V. Raghukrishna, Mr. L. HarshaVardhan**

Attended the One Week Awareness Enrichment Programme on "STATE OF ART TECHNOLOGY IN INDUSTRY" organised during 1-6 October 2018 by E.C.E. Department, M.V.S.R. Engineering College, Nadergul, Hyd.

➤ **Mr. P. V. V. Raghava Sharma, Mr. S. ShyamMohan, Mr. P. B. GuruPrasanna, Mrs. D. SaiPrasanna**

Participated in the One - Week Faculty Development Programme (FDP) on "IOT & Embedded System Design" Organised by Embedded System Design" organized by E & ICT Academy IIT Guwahati in association with MVSR Engineering College, Hyderabad held from 03rd - 08th December, 2018 and support from Digital Shark Technology Channel Partner of TI University Programme.

➤ **Mr. C. V. G. K. Rao, Mr. V. V. Satyanarayana Akula**

Actively participated in Five - day Faculty Development Programme on " Recent Trends in Mechanical and Industrial Engineering" (RTMIE - 2018) held during 10 -15, December 2018 organised by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad.

➤ **Dr. D. HariKrishna**

Has participated in 5 - day Continuing Education Program " Advanced Technologies in Power Engineering" during 17th to 21st December 2018, sponsored by TEQIP-III, organized by Department of Electrical Engineering National Institute of Technology, Warangal

➤ **Mr. Y. L. N. Rao,**

Has participated for 3 days workshop in "NI LabVIEW Core 1" organised by Research development dept Tech FLUENT solutions Pvt Ltd on 28th Feb 2019 to 02nd March 2019.

**Workshops:****➤ Dr. D. HariKrishna**

Has participated in the "Student Branch Counsellors" Meet held during Section Student Congress 2018 of IEEE Hyderabad Section on 11<sup>th</sup> - 12<sup>th</sup> August of 2018 at DST Auditorium, University of Hyd.

**➤ Dr. D. HariKrishna, Mr. N. Ravi, Mr. N. BharatMohan**

Has successfully completed SCILAB test organized at MVSR Engineering College, provided by the Talk to A Teacher project at IIT Bombay, Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India. on 12th October 2018.

**➤ Mr. N. BharatMohan**

Has participated in A Three-day Workshop on "Innovations, Intellectual Property Rights and Start-ups" organized by Entrepreneurship Development Cell & Innovations and Incubation Centre, MVSR Engineering. College, Hyderabad from 10th To 12th October 2018.

**➤ Dr. D. HariKrishna**

Has completed "Online Graduate Programs in Power Engineering: Preparing Engineers to Meet the Challenges for Our Generation" on 18th October 2018 -1 Professional Development Hours

**➤ Mr. I. N. Swamy**

Has participated in the 4 Day Adhyayan Workshop on "Human Values and Professional Ethics" at IIIT Hyderabad from 20th - 23rd December 2018.

**Seminars:****➤ Dr. T. ChandraSekhar, Mr. N. Ravi, Mr. V. V. Satyanarayana Akula, Mr. N. Bharat Mohan**

Attended MATLAB one day seminar " Artificial Intelligence and Signal Processing using MAT LAB" on Dt: 5th December 2018, at Park Hyath, Hyderabad.

## Online Courses

### ➤ Mr. P. V. V. Raghava Sharma

Has successfully completed 9 hours of from 0 to 1:” Raspberry Pi and the Internet of Things”, online Course on June 28th, 2017.

Statement of Accomplishment has been awarded to Mr. P. V. V. Raghava Sharma for successfully completing Introduction to Python Course in August 2018 online course.

### ➤ Mr. N. BharatMohan

Has completed Online Course MATLAB on ramp from 18th - 25th December 2018

### ➤ Dr. D. HariKrishna, Mr. V. V. Satyanarayana Akula

Has successfully completed 100% of the MATLAB Onramp self-paced training course 22nd January 2019.

## II. EVENTS ORGANISED:

### Guest Lectures

- A lecture on “Exploring IEEE Web Resources” by Dr. D. Hari Krishna, Associate Professor, EEED, MVSREC on 23<sup>rd</sup> July 2018. A total of 33 number of final year students were present in the lecture.
- A guest lecture on “Digging deep into Electronics” by Mr. A. Rajeshwara Rao, Director in Engineering, Siemens, USA on 25<sup>th</sup> July,2018.



Mr. A. Rajeshwar Rao delivering his lecture



- A guest lecture was held by Bureau of Indian Standards on “Education Utilization program” on 8<sup>th</sup> August 2018.
- Mr. M. Raveendra Reddy has delivered a guest Lecture on "Renewable Energy: Recent developments and way forward" on January 07th, 2019 at National Institute of Rural Development & Panchayat Raj (NIRD & PR), Hyderabad.
- Mr. N Bharat Mohan has delivered a Lecture on "Lecture on SCI LAB: to create awareness to students on SCI LAB" on February 01st, 2019 in QEEE Room.



Mr. N. Bharat Mohan delivering his lecture to students

- A guest lecture by Mr. SaiPrasad on “Career Guidance” was held on 1<sup>st</sup> February 2019.
- Mr. M. Raveendra Reddy has delivered a lecture on “Renewable energy sources: Future prospects in INDIA” on 2<sup>nd</sup> February 2019.



Mr. M. Raveendra Reddy delivering his lecture to students and staff

- An Interactive session with Dr. Jeremy P Novak, Senior lecturer and course coordinator MEM/MBA South Cross University, Australia was held on 5<sup>th</sup> Feb 2019.



## Seminars

- A Seminar on “Electrical Industries and Opportunities” by Mr. M. A. Niyam, KJ Mech Electro Mechanical Pvt Ltd. On 11<sup>th</sup> October 2018.
- Spoken tutorial event was conducted by Mr. N. Bharat Mohan on 12<sup>th</sup> October 2018.
- Spoken tutorial event was conducted by Mr. N. Bharat Mohan on 8<sup>th</sup> March 2019.

## Fests

- “Akshay Urja” was celebrated on 27<sup>th</sup> September 2018.



Project Expo 2018

- “National Energy Conservation Week” was celebrated from 14<sup>th</sup> December 2018 to 20<sup>th</sup> December 2018.



- Alumni Meet was held by EEE Department on 15<sup>th</sup> December 2018.



Alumni meet held on 15<sup>th</sup> December 2018



- IEEE Annual fest “TECHNOVANZA 2K19” was held on 11<sup>th</sup> & 12<sup>th</sup> March 2019.



- A Two-day technical fest WIDYOUTH 2k19 was held on 14<sup>th</sup> & 15<sup>th</sup> March 2019.



Signature day celebrations for EEE Department

**Industrial Visits:**

1. One day Industrial Visit to SAHASRA electronics Pvt. Ltd., Noida on 01<sup>st</sup> February,2019.



Faculty and students at SAHASRA Electronics Pvt.Ltd, Noida

**III. Other Activities:****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”.







#### IV. Honors/Awards achieved by Staff

- Dr.E.V.C.Sekhara Rao has been accomplished with “Teacher of the Department”, award for the academic year 2018-19.
- Dr. D. HariKrishna has contributed as a Proctor in IEEEExtreme 12.0 Programming Competition, that Hosted 9,500 Participants on 20th October 2018.

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

O.U Rank List from MVSREC, EEE Dept.

| S. No. | Roll No.        | Name of the student    | Rank      |
|--------|-----------------|------------------------|-----------|
| 1      | 2451-15-734-001 | MANDHA MAHESHWAR REDDY | IV rank   |
| 2      | 2451-15-734-062 | KONDAPALLI SURYATEJA   | IV rank   |
| 3.     | 2451-15-734-076 | CHEAMONI SAIDEEP       | VIII rank |
| 4.     | 2451-15-734-082 | CHEERA RAJESH          | VIII rank |
| 5.     | 2451-15-734-091 | B ANJALI               | X rank    |

GATE Rank List from MVSREC, EEE Dept.

| S.NO | NAME OF THE STUDENT           | ROLL NUMBER     | GATE RANK |
|------|-------------------------------|-----------------|-----------|
| 1.   | THATAVARTHY SAI KRISHNA ANISH | 2451-14-734-003 | 1292      |
| 2.   | KAPPALA BHARGAV               | 2451-13-734-012 | 1598      |
| 3.   | MOHAMMAD AZIZ MOHIUDDIN       | 2451-15-734-040 | 5412      |
| 4.   | KONDAPALLI SURYA TEJA         | 2451-15-734-062 | 6772      |
| 5.   | E VINOD KUMAR                 | 2451-15-734-301 | 7664      |
| 6.   | VAISHNAV NAGALADINNE KARANAM  | 2451-15-734-061 | 11169     |
| 7.   | GOKARI SAI RAGHAVA            | 2451-15-734-023 | 12726     |
| 8.   | M MAHESHWARREDDY              | 2451-15-734-001 | 14012     |
| 9.   | AKHIL SAI BANDI               | 2451-15-734-077 | 14230     |
| 10.  | AKHILESH GUBBA                | 2451-15-734-084 | 14962     |
| 11.  | D JAIRAM SAI                  | 2451-15-734-011 | 15959     |
| 12.  | P PAVAN KUMAR                 | 2451-15-734-031 | 17862     |

### Placements:

Student placed in different companies:

|                     |    |
|---------------------|----|
| Accenture           | 12 |
| Aliens              | 1  |
| Axness technologies | 3  |
| Cognizant           | 2  |
| Delloite            | 1  |
| Hyundai Mobis       | 1  |
| Hyundai R& D        | 2  |
| IBM                 | 1  |
| Infosys             | 12 |
| IOAG                | 1  |
| Robert Bosch        | 2  |
| TCS                 | 1  |

**VI. Internships:**

1. 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.
2. 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.
3. P. Jayasree
  - Attended internship training from 21-06-2018 to 05-07-2018 on “Overview of Thermal Power Station” at TSPGCL.
4. B. K. Shanmukhi
  - Attended internship training from 24-06-2018 to 09-07-2018 on “Manufacturing of Turbogenerator” at BHEL.
5. P. Sowmya, 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.
6. CH. S. V. L. Sowmya
  - Attended internship training from 13-06-2018 to 14-07-2018 on “Exposure to Avionics” at RCI.
7. K. NagaSahithi
  - Attended internship training from 24-12-2018 to 15-01-2019 on “Operation of 11KV/433V Substations consisting Transformers up to 1.5 MVA, 11KV-Vaccum Circuit Breakers, HT & MV Panels etc., “at Construction & Maintenance Group (CMG)” at ISRO.

**VII. Sports and Other Achievements:**

- Dharavath Nikhil, Adla Vinith, D Nikhil won 2<sup>nd</sup> prize in Volleyball in National level engineering colleges sports meet “Athlema 2K19” held on 15<sup>th</sup> and 16<sup>th</sup> March 2019 at MVSREC, Hyderabad.
- Dharavath Nikhil has won 1<sup>st</sup> prize in Cricket in National level engineering colleges sports meet “Athlema 2K19” held on 15<sup>th</sup> and 16<sup>th</sup> March 2019 at MVSREC, Hyderabad.
- Dharavath Nikhil has won 2<sup>nd</sup> prize in Volleyball in MEC sports fest “AIRO 2K19” held on 15<sup>th</sup> and 16<sup>th</sup> March 2019 at MEC, Hyderabad.



- P Sai Ram Reddy has obtained course certificate in “Design thinking for Innovation”, an online non-credit course through Coursera from University Virginia.
- P Sai Ram Reddy has obtained five course certificates in “Google IT support Coursera”, an online non-credit specialization Grow with Google.
- D Nikhil has participated in paper presentation event in Technovanza 2019 by IEEE MVSR Student branch held on 11<sup>th</sup> and 12<sup>th</sup> March 2019.
- J Paul Clement has participated in National inter college sports fest “Gusto 2k19”, held at GITAM Deemed University Hyderabad on 9<sup>th</sup> and 11<sup>th</sup> January 2019.
- N. Nishanth Chauhan has won 1<sup>st</sup> prize in Badminton in National level engineering colleges sports meet “Athlema 2K19” held on 15<sup>th</sup> and 16<sup>th</sup> March 2019 at MVSREC, Hyderabad
- Buchikonda Kavya has won 1<sup>st</sup> prize in Chess in National level engineering colleges sports meet “Athlema 2K19” held on 15<sup>th</sup> and 16<sup>th</sup> March 2019 at MVSREC, Hyderabad





Faculty at Akshay Bicycle Rally 2018



**Editor:**

**Dr. D. V. M. Chary**

**Co-ordinators:**

**Dr. E. V. C. Sekhara Rao, Mrs. D. SaiPrasanna**

**Student Co-ordinators:**

**Akhilesh, Pavan Pujari, K. Kalyani**



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