

NEWS LETTER

2014-2015



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 (PEOs) : The educational objectives of a programme are the statements that describe the expected achievements of graduates within first few years of their graduation from the programme. The programme objectives, may be guided by global and local needs, vision of the Institution, long term goals etc. For defining the program objectives the faculty members of the programme must continuously work with local employers, industry and RD advisors, and the alumni. The objectives of a programme can be broadly defined on five counts :

- I. To prepare students with good foundation in mathematics, science and engineering fundamentals required to comprehend, analyze, formulate solutions for real life engineering problems and facilitate them to pursue higher studies and /or to find entry level position in industries.
- II. To inculcate effective communication skills, leadership, team work, multidisciplinary approach, and an ability to provide engineering solutions in a broader societal context.
- III. To provide academic environment with an awareness of excellence, ethical codes and guidelines, and the life-long learning needed for a successful professional career.

Program Outcomes – Program outcomes are narrower statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire in their matriculation through the program.

Engineering programs must demonstrate that their students attain the following outcomes:

- (a) Graduates will demonstrate knowledge of differential equations, vector calculus, complex variables, matrix theory, probability theory, physics, chemistry and electrical and electronics engineering.
- (b) Graduates will demonstrate an ability to identify, formulate and solve electrical engineering problems.
- (c) Graduate will demonstrate an ability to design electrical and electronic circuits and conduct experiments with electrical systems, analyze and interpret data.
- (d) Graduates will demonstrate an ability to design digital and analog systems and component.
- (e) Graduates will demonstrate an ability to visualize and work on laboratory and multidisciplinary tasks.
- (f) Graduate will demonstrate skills to use modern engineering tools, software and equipment to analyze problems.
- (g) Graduates will demonstrate knowledge of professional and ethical responsibilities.
- (h) Graduate will be able to communicate effectively in both verbal and written form.

- (i) Graduate will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.
- (j) Graduate will develop confidence for self education and ability for life-long learning.
- (k) Graduate who can participate and succeed in competitive examinations like GATE, GRE.

Program Specific Program Outcomes are:

- (l) 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.
- (m) 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/Seminar:

Mr. V.V.Satyanarayana Akula, Mr. M. Raveendra Reddy

- Attended one day workshop on “Elearning” organized by ISTE at Dept. of IT at M.V.S.R.Engg. College, Nadergul, Hyderabad in association IEEE Hyderabad Section on 30th August,2014.

Mr. V.V. Raghava Sharma

- Attended one day seminar on “Effective Teaching Skills” held on 18th October, 2014 organized by ECE dept. M.V.S.R.Engg. College, Nadergul, Hyderabad.

Mr. I. Narashima Swamy

- Participated in TEQIP-II Sponsored National level five day faculty development program on “Research and Development in Power Electronic Converters for Renewable Sources” (RDPCRS – 2k14) held during 8th – 12th December, 2014, organized by Dept. of EEE SVECW.

Mr. N. Ravi

- Participated in three day Workshop on “Simulation of Power Electronic Converters Using MATLAB” (Supported by TEQUIP-II), Organized by Dept. of EEE from 29th to 31st December, 2014.

Mr N.Sivarama Krishna, Mr. L.Harsha Vardhan

- Three Day workshop on “ Solar Photovoltaic Training Program” during 2nd to 4th March, 2015 at Osmania University, Hyd.

Mr. N.Sivarama Krishna

- Participated in the Five Day Short Term Training Programme on “Design of Classical & Intelligent Control System” organized by Dept. of Electronics and Communication Engineering at NIT Warangal, during 12-16, May, 2015.

II. Events Organized:**Fests:**

1. Two days Student Technical Fest WIDYOUTH 2K15 was organised by Electrical and Engineering Students Association (EESA) on 20th -21st Feb, 2015.

Lectures:

1. A Talk on Role of IEEE for Swatch Bharath by Mr. V. Ashwini Kumar, Faculty Advisor IEEE MVSR SB on 9th October, 2014.



2. A Tutorial Talk on MAT LAB by Ms. CH. Srujana under IEEE MVSR SB on 11th Feb, 2015.



Ms. Srujana presenting the talk.

3. A lecture on SMART RFIC Distinguished lecture by Dr. Tian-Wei-Huang, Professor, National Taiwan University under IEEE SB on 27th March 2015.



Dr. Tian Wei Huang giving the lecture



Seminars/Conferences:

1. A seminar on 3D Printing Technology by Mr. Rajashekar Upputuri, Co-founder of Think 3D under IEEE MVSR SB on 20th -21th Feb, 2015.



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

O.U Rank from MVSREC, EEE Dept

Name of the Student	H.T.No	Rank
R.Harish	2451-11-734-010	IV

Placements:

Student placed in different companies:

Cognizant	-	7
Wipro	-	17
Infosys	-	6
Capgemini	-	1
Amazon	-	1

Internships:

- Nitin G Thomas, M Sai Anoop Reddy, Ajay Nori
 - Attended internship training from 28-07-2014 to 27-08-2014 on "Power Distribution" at NFC.
- M. Sai Kiran, K. Hari Babu, V.V.Ashwin
 - Attended internship training from 19-01-2015 to 18-02-2015 on "Study of Industrial Power Distribution Systems & its Equipment" at NFC.
- T. Yashwanth
 - Attended internship training from 02-07-2014 to 01-08-2014 on "Solar Systems" at Surya Tech.
- D. Srivalli
 - Attended internship training from 01-07-2015 to 18-07-2015 on "Implementation of Data Structures in C Language" at DRDO.
- T. Sairam
 - Attended internship training from 24-06-2015 to 08-07-2015 on "Manufacturing and Testing of Turbo Generators" at BHEL.
- K. Chetana, G. Prudhvidhar Reddy.
 - Attended internship training from 22-05-2014 to 05-06-2014 on "Industrial Training" at BHEL.
- T. Kiran, V. Pradeep Chandra
 - Attended internship training from 03-07-2014 to 18-07-2014 on "Manufacturing and Testing of Turbo Generators" at BHEL.
- S. Shyam Prasad, G. Jagadeesh, K. Shalini, R. Sunayana
 - Attended internship training from June 2014- July 2014 on "Automatic Highway Light Control System" at RCI.
- E. Rahul, CH. Sai Krishna reddy, S. Shiva Kumar, P. Venkata Sumanth
 - Attended internship training from June 2014- July 2014 on "Automatic Security System in Industries using GSM" at RCI.
- P. Shravan Kumar, P. Shashank
 - Attended internship training from June 2014 on "Traction Equipment" at Loco-Shed, Kazipet.

11. V. Pradeep Chandra, B. Mahesh, P.S.V. Chaitanya, Mohd. Abdul Razzak, D. Suresh
 - Attended internship training from June 2014 on “Substation Equipment Transformers and transmission Lines” at AP GENCO.
12. J. Prajwala Pragna
 - Attended internship training from 01-07-2014 to 31-07-2014 on “Design of Star/Delta Starter using Relay Logic” at AP NSIC.
13. R. Vijay Naik, K. Joseph Daniel, M. Shyam Sunder, T. Jeevan Reddy, B. Sumalatha
 - Attended internship training from 02-07-2014 to 11-07-2014 on “Overview of Thermal Power Plant (KTPS STAGE-V)” at KTPS-V.

VII Sports & Other Achievements:

1. G. Kashmira won second prize in Technical Treasure Hunt, SRUTHI 14 at MVSREC Hyderabad on 17th – 18th October 2014.
2. B.Manoj Kumar won first prize in 4X100 mtr relay, Annual training camp ATC-XI, Air Sqn(Tech) NCC Secundrabad on 18th – 27th January 2015.
3. R.Prasanth won second prize in Ex.Quiz IT event, STHAPATY 16- National Level Technical Symposium at JNTU Hyderabad on 11th – 12th March 2015.
4. R.Prasanth won first prize in Acumen EEE 15, National Level Technical Symposium at Vasavi College of Engineering Hyderabad on March 2015.
5. R.Prasanth won first prize in Paper presentation, FUEL-A Student Initiative at MVSREC Hyderabad on 30th March 2015.
6. G.Vinod Kumar won first prize in Paper presentation, FUEL-A Student Initiative at MVSREC Hyderabad on 30th March 2015.

Editor: Dr.D.V.M.Chary

Co-ordinators: Mr G. Satyanarayana, Mr V.V Satyanarayana A

Student Co-ordinators: Ms. Sushma, Mr. Bala Subramanyam.



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