



SPARKS

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

News letter

Vision: To be a leading department to produce remarkable Electrical and Electronics Engineering scholars for the betterment of the society

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Special points of interest:

- FDP
- WMS
- VTU Intercollegiate
- SESI
- Farewell

FROM PRINCIPAL's DESK:



The Department of Electrical and electronics engineering was formed with the primary objective of providing world class education in the field of electrical engineering, while addressing the problems of today and tomorrow. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring professional students to meet the burgeoning demands of the industry. The strength of the department lies in the highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

Dr. R. Balakrishna
Principal, RRCE

FROM HOD's DESK:



Dr. N. Amuthan
Professor & Head
Department of EEE

The Department has traditional and modern laboratories such as Machines Lab, Power System Simulation Lab, Relay and High Voltage Lab, Circuits and simulation Lab, Microcontroller Lab and power electronics lab. The Department is engaged in research activities, mainly in Power System and power electronics. The department strives to provide a conducive environment for the students to develop analytical and practical skills and apply them to real world problems. To motivate the students the department organizes regular training in state of art software & hardware, arranges workshop and student symposiums periodically. The department Newsletter will definitely help to show-case the activities that are happening in our department. It provides a platform for exposing the merits and academic achievements of the faculty and students. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the department.

Faculty Development Programme



Three Days Faculty Development Programme was organised on “Teaching and Research Development Techniques in EEE-2” from 23rd to 25th Jan 2018 at EEE Seminar hall 23rd Jan) and DSP Lab (24th and 25th Jan). Three days FDP emphasized on hands on Experience for DSP Lab programmes using MATLAB and webinar on Micro grid controller related to research and development techniques



Social service program was organised on “Youth for Nation Building” was held at EEE seminar hall on 24 march 2018. The event was organized by the EEE department association of Electrical & Electronics Engineering “TRANSFORMERZ”. Resource person was Mr. Rajesh Padmar (lecture and HOD, Government Boys Pre-university College and we'll known social activist) The occasion was graced by more than 50 students.

Students Professional Chapter

SESI Students' Chapter of RRCE has been set up to motivate and impart quality research in the field of renewable energy and spreading awareness about renew-able in and around Bengaluru.

The main aim of this chapter is to train the techies and encourage research in the field and hence to generate a valuable workforce for the country. It has been set up to harness the potential of budding technocrats in



Solar Energy Society of India

the field of solar energy. 50 student members and 5 life members initially joined in this chapter. SESI has an ambitious goal to put across its message of using Renewable energy far and

wide. To meet this objective, it invites all those interested to enroll them-

selves as members. As members, they will be entitled to free subscription of SESI publications i.e. Journal and Newsletter. There is a thrust on Renewable Energy Technology the world over. India is gearing up to attain self-reliance in the energy sector by implementing the National Solar Mission, with its revised, highly ambitious targets. Achievement of the objectives driven by this ambitious vision requires simultaneous developments in infrastructure as well as skill and knowledge of manpower.

Sports

RRCE believes in the all-round development of its students in all fields, and sports are no exception. Our college teams have participated in various University inter-collegiate competitions such as volleyball, cricket, table tennis etc. VTU intercollegiate Bangalore south zone.

We encourage and train our students to participate in national and international tournaments. There are also dedicated spaces for Indoor sports, including Table Tennis, Badminton, Weight Lifting, Power Lift-ing, Chess, and Car-om. RRCE also has a large indoor gymnasium facility



Students from the Department of EEE are maintaining a good track on placement from the year 2010.

**"DSP Lab
programmes using
MATLAB and
webinar on Micro
grid controller"**

Students achievements:

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Keerthan A has secured 2nd place in “Solo dance” at the inter-collegiate fest – “ESPECTRO 2K18” Organized by

Sri bhagwan mahaveer jain evening college, Bengaluru

Keerthan A has secured 3rd place in “Solo dance” at the inter-collegiate fest – “Sachetana 2K18” on 28th March

2018 Organized by Jain college, Bengaluru

Keerthan A has secured 1st place in “Duo dance” at the inter-collegiate fest – “Vemanotsav’18” from 23rd & 24th

Feb 2018 hosted by Vemana institute of technology Bengaluru

Keerthan A has secured 1st place in “Indian duet dance” at the inter-collegiate fest – “Kritiya ‘18” from 20th &

21th Feb 2018 Organized by Jain university, Bengaluru

Keerthan A has secured 1st place in “Dance Battle” at the inter-collegiate fest – “Kritiya ‘18” from 20th & 2

Faculty publications:

1.Prof. ASR Murthy , “Low power driver receiver topology with delay optimization for on chip bus inter-connects”, International Journal of Engineering and technology (UAE). July 2018, ISSN: 2227-524X, Pa-per ID: SCOPUS000105

2.Prof. ASR Murthy , “ Comprehensive study on the signaling schemes in on chip interconnects”, 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), May 18th & 19th

3.Prof. ASR Murthy ,”Power Efficient clock distribution for switched capacitor DC-DC converters “, Indo-nesia Journal Of Electrical Engineering and Computer Science (Scopus Indexed)- Vol. 10, No. 1, April 2018, PP 27-36, ISSN: 2502-4752.

4.Prof Praveen A Patil, “Wireless battery charging for electrical vehicles”, International Journal of Electri-cal, Electronics and Computer systems (IJEECS), vol 6, Issue 5, 2018. ISSN: 2347-2820.

5.Prof. Sincy Elezebeth Kuruvilla, “ Smart water supply monitoring system”, International Journal of Elec-trical, Electronics and Computer systems (IJEECS), vol 6, Issue 7, 2018. ISSN: 2347-2820.

6. Prof Avinash C M , “ Transformer Parameter measurement using Wi-Fi”, International Journal of Electri-cal, Electronics and Computer systems (IJEECS), vol 6, Issue 5, 2018. ISSN: 2347-2820.

7. Prof Pavan Kumar K R, “ Energy efficient solar stove”, International Journal of Electrical, Electronics and Computer systems (IJEECS), vol 6, Issue 7, 2018. ISSN: 2347-2820.

8. Sincy Elezebeth Kuruvilla, Pavan Kumar K R, “Solar powered automated water supply for public ser-vice”, 2nd National Conference On “Biomedical Signal, Image Processing & Power Engineer-ing” (NCBSIPE-2017) - Nov 2017.

9. Dr.Arunachalam.M mentoring one of the faculty Prof.Sumalatha, Asst Prof, EEE Dept from ACS Col-lege of Engineering .

10. Prof.Bharathi.V is been mentored by Dr.Padiyar, Retd Prof, IISC, Bangalore on topic “Control Strategies for Microgrid”.

11. Dr.N.Amuthan,Shakeer Ahammad,”Power Conversion Stage Using Transformerless Inverters for Single Phase PV Systems”, International Journal of Recent Trends in Engineering & Research (IJRTER), Volume 03, Issue 06,April – 2018 [ISSN: 2455-1457].

12. K Kiruthika, “A Review Of Soft Computing Technique In Smart Grid Using Phasor Measurement Unit ” “International Conference on Systems, Science, Control, Communication, Engineering and Technology 2017” (ICSSCET-17) Organized by Association of Scientists, Developers and Faculties , Feb 2017, at Telegana. Paper ID – ICSSCET110.

13. Udhyaami M B , “Multiple – Input Bidirectional DC -DC Power Converter with Renewable Energy Source” IEEE International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016, 978-1-4673-9939-5/16/\$31.00 ©2016 IEEE held at DMI College Chennai.

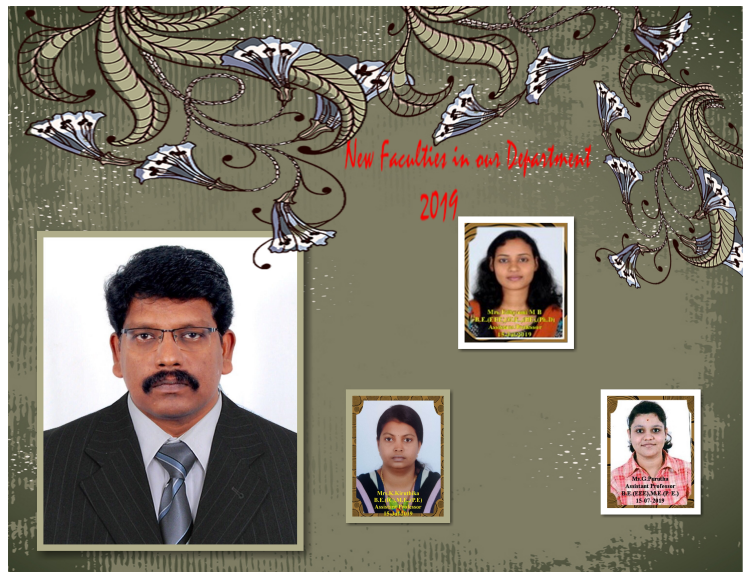
**Smart water supply
monitoring system**

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We believe that Learning with Joy



Editorial Team

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Mrs.Prutha.G

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Farewell Party

2018 batch passed out students farewell party was held on May 2018. All the UG students are participated. The inaugural function of students' fare-well began with inviting the dignitaries on the dais. The progarmme started with lighting the lamb. Various cultural activities are per-



formed by the students. The Farewell was organized by the students and teachers. Many interesting and tricky



games were played to pep up the environment. The performances were thoroughly enjoyed by the students. The speeches were also given by the students joyed by the

audience. College times are the best times; this was the time where I learnt that nothing lingers for long and that life demands a person to move on. An array of dance and band performances dedicated to their seniors was held. Some of the speeches were quite touching.

