



P K M EDUCATIONAL TRUST®



RR INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Volume 3

EEnErgy

Issue 01

Editor in chief:

K J SOMASHEKARA

Associate Professor

HOD, Dept of EEE

Editor:

Renukamba J N

Assistant Professor

Dept of EEE

Venkatesan C

Associate Professor

Dept of EEE

Shyamsundar N

Assistant Professor

Dept of EEE

Sunanda C V

Assistant Professor

Dept of EEE

Sowmya G J

Assistant Professor

Dept of EEE

R Navneetha Krishna

Assistant Professor

Dept of EEE

Anusha D Y

Assistant Professor

Dept of EEE

Girish Kumar B A

Assistant Professor

Dept of EEE

Md Shamim Khan

7th Semester, Dept of EEE

Sneha S Gowda

5th Semester, Dept of EEE

Bidhya Chhetri

3rd Semester, Dept of EEE

From Principal's Desk....



Dr. M B Manjunath

I am pleased to note that the Department of Electrical and Electronics Engineering is showcasing their activities and achievements through the department newsletter.

I wish them all the best in their endeavour.

From H.O.D'S Desk...



Prof. K J Somashekara

I am happy to unveil our fifth edition newsletter "EEnErgy". Through this issue I am proud to present the various accomplishments and achievements of faculties and students. I take this opportunity to thank all my staff for their wholehearted co-operation in fulfilling my dreams for the semester and contributing for getting grade B+ accreditation by NAAC. The editorial board gratefully acknowledges the constant source of inspiration from the Management and the Principal.

Sadbhavan Diwas organized by the Department



Oath taken by Faculty and Students

Sadbhavan Diwas was organized and celebrated on 20th of August every year to remember the birth anniversary of Shri Rajiv Gandhi, former Prime Minister of India, which was organized by Electrical and Electronics department and oath was taken by all the faculties and students in the college.

Seminar on PCB Design



Mr. Kotresh, Director, explaining the PCB design and Fabrication



Interaction with the participants

A seminar was conducted on PCB design for the 3rd, 5th and 7th semester students of the department. Mr. Kotresh, Director, Indian Tech Keys, Bangalore was the resource person. The resource person and his team interacted with students and imparted basic knowledge on PCB design.

The Printed Circuit Board (PCB) mechanically supports and electrically connects electronic components. He explained how to draw holes, pads and wires for the circuit. He showcased a developed PCB. He also discussed about technologies like 3D printing, IoT. 21 students from department attended and benefitted by the program.

Industrial visit to “M/s Rajamane and Hegde Services Pvt Ltd”, Tumkur



Faculties and all Students of EEE at Industrial visit



Faculties and all Students of EEE with Company Technical Director (Mr. Muthalik) and their staff

An Industrial visit has been organised to “M/s Rajamane and Hegde Services Pvt Ltd”, Tumkur on 10/10/2018. Students of final and pre-final year had attended. Students were divided into two sections, for each section external guide was allotted for the explanation. Students visited winding section, where lap winding and wave windings installation to the motors was shown in detail, Resin insulation was explained in detail. Formation of stator and rotor in squirrel cage and slip ring induction motor was explained. Transformers lamination was also explained. Materials for manufacturing the windings was shown in plant.

Workshop on Circuit Prototyping



Session on PCB Design Processes



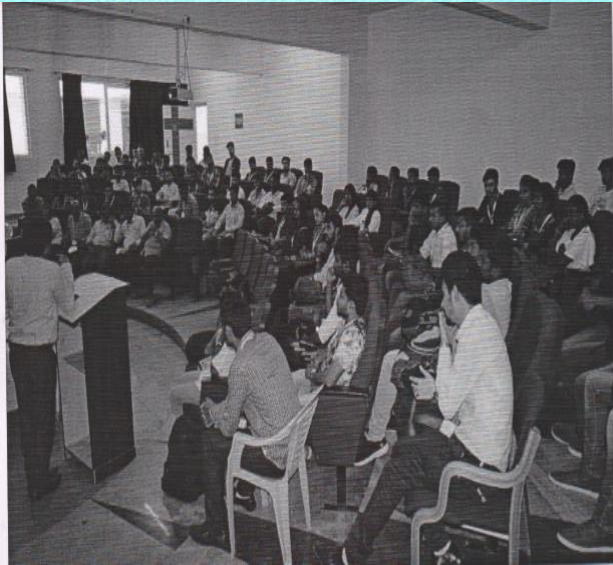
Valedictory Session on second day

Two days workshop on “Circuit Prototyping” was organized jointly by the department of EEE and ECE on 27/9/2018 and 28/9/2018 in association with” M\s Indian Tech keys”, Bangalore.

On first day students had a brief session on steps and process involved in PCB design and fabrication. On second day session students had hands-on session on placement of components and final soldering.

Prof. Venkatesan C was the co-ordinator from the Electrical department for organizing this programme.

Entrepreneurship Awareness Camp



Inauguration of the programme



**Industrial visit @ M/s CIM Tools Pvt Ltd.
Peenya**

A three days Workshop on “Entrepreneurship Awareness” was organized by Mechanical department in association with EDC cell. The main objective of the camp is to enhance the knowledge and skills of the students required to become successful entrepreneurs.

The 3days session included a brief lecturing by the invited guests Dr. Nandagopal, Mrs. Mamatha (Senior Manager of KSFC) for Financial Assistance. Prof. Gireesh V Gumaste (Senior Engineer M/s Hynumat International) regarding Industry and Institute Interaction. Dr. Subramanya Swamy (Principal BIET Davangere) regarding Entrepreneur’s Goals. Mr.Dinesh Kumar HN (M/s CADVIN Technologies) regarding Market Survey and Industrial Projects. Final year students of our department attended this programme.

Finally the camp was concluded where the students had opportunity for industrial visit to M/s CIM Tools Pvt Ltd. near Peenya industrial area, Bangalore.

Seminar on Intellectual Property Rights

A seminar on Intellectual Property Rights was organized by seminar committee of college in association with Karnataka State Council for Science and Technology on 16/10/2018 for final year students.

The main objective of the seminar was to create awareness on patents, copyrights trademarks and procedure involved in filling the same.

The students imparted the knowledge on monetary values, in terms of consultancy promotion, taking own decisions and new career. All the 3rd and 4th year students of the department participated in this programme.

Prof. Sunanda C V has been the co-ordinator from the Electrical department for this programme.



Inauguration of the Programme



Session by Ms. Sangeetha S Murali

Faculty Development Programme on Professional Ethics and Human Values



Inauguration of the programme



Prof. V B Nanda Gopal interaction with participants

One day Faculty Development Programme was organized by Electrical and Electronics Engineering department in association with Mechanical Engineering department on Professional Ethics and Human Values on 14th August 2018.

The objective of the program was to create awareness among the teachers about the main responsibilities towards their students, to understand social responsibilities of a teacher, to appreciate ethical dilemma while discharging their duties and defining their role in student's lives.

Prof. V B Nanda Gopal, Chief Executive, Science & Technology Entrepreneurs Park (STEP), JSS Academy of Technical Education, Bengaluru was the resource person. FiftySix participants from various engineering colleges benefited from the programme.

Prof. Venkatesan C has been co-ordinator from the Electrical department for organizing the program.

Induction programme for first year students



Presentation by Prof. N Shyamsundar



Presentation by Prof. Sowmya G J



Presentation by Prof. Girish Kumar B A



Presentation by Prof. R Navaneetha
Krishna

The induction program for first year students was conducted on 07.08.2018. The program was to make the students familiar with the basic knowledge of Electrical and Electronics Engineering. An awareness among the students were created about the history of electricity, explained basic terms, terminologies and laws of electricity.

It included glimpse of machines, working principles, operation of electrical power system and protective devices. It also created an awareness on electric shock, first aid and prevention of electric shocks.

NAAC Visit

National Assessment and Accreditation Council (NAAC) peer team was visited our institute on 5th & 6th of October 2018 . After the completion of Ist cycle verification, we are happy to inform that our college has been accredited by NAAC with grade B+.



NAAC Peer Team



**NAAC Peer Team visit to the
Electrical department's Machines
Laboratory**

Recognition of Faculties

1. Prof. Sowmya GJ and Prof. Anusha D Y has attended workshop on “Sequel App For Teaching Electronics Courses” in Raja Rajeshwari College of Engineering, Bangalore held on 16th August 2018.
2. Prof. Venkatesan C has worked on the Journal paper titled “Optimal Design and Performance Analysis of MIMO-OFDM based Cognitive Radio using Game Theoretic Approach” which has been accepted by the Publication The Journal of Super Computing (SCOPUS/SCIE), Springer, United States, Print ISSN : 0920-8542 . (Impact Factor: 1.532).
3. Prof. Venkatesan C has worked on the Journal paper titled “Real Time ECG Signal Pre processing and Neuro Fuzzy based CHD Risk Prediction” which has been accepted by the Publication Cognitive Systems Research (SCOPUS), Elsevier, United States, Print ISSN: 1389-0417. (Impact Factor: 1.425).
4. Prof. Venkatesan C has worked on the Journal paper titled “Techno Economic Study of Hybrid Renewable Energy System of Metropolitan Cities in India” which has been accepted by the Publication International Journal of Intelligent Systems Technologies and Applications (SCOPUS), Inderscience.
5. Prof. R Navaneetha Krishna and Prof. Girish Kumar B A had attended workshop on “MS OFFICE & MS EXCEL” which was organized by Mechanical Engineering department in RRIT held on 30th September 2018.
6. Prof. R Navaneetha Krishna and Prof. Girish Kumar B A had attended workshop on “Introduction of Latex Software” which was organized by Mechanical Engineering department at RRIT, held on 31st September 2018.
7. Prof. R Navaneetha Krishna had attended workshop on ” Kaizen Internet of Things” which was organized by “M\s LEMALABS”, Bangalore held on 17th and 18th November 2018.

8. Prof. Sunanda C V, Prof. Girish Kumar & Prof. Renukamba J N has attended workshop on” Python Programming” which was organized by Computer Science Engineering department at RRIT.
9. All the faculties of Electrical and Electronics Engineering department had attended one day FDP on” CO-PO Mapping for Effective Implementation of Outcome Based Education” which was organized by IQAC, RRIT held on 18th January 2019.
10. On the occasion of Teacher’s Day celebration, all the faculties of the department received Certificates for 100% result in the subjects they handled for the academic year 2017-18. (Prof. K J Somashekara, Prof. N Shyamsundar, Prof. Sunanda C V, Prof. Sowmya G J, Prof. R Navaneetha Krishna, Prof. Anusha D Y, Prof. Girish Kumar B A, Prof. Renukamba J N)
11. Prof. R Navaneetha Krishna was awarded “Innovative Teacher” on the occasion of Teacher’s Day for his innovative methods of teaching by RRIT.



Recognition of Students



Miss. Bhanupriya G (3rd Sem EEE)

Miss. Bhanupriya G (3rd Semester) has won 1st place in TAEKWONDO organized by Dasara Games CM Cup-2018 which was held on 11/10/2018.

Our Gallery



Ayudha Pooja celebrations @ EEE



Tree Planting by NSS members of EEE department



Relief fund for Kerala and Kodagu disaster victims by department NSS members

OUR TOPPERS

Department Topper



Bidhya Chhetri
1RI17EE002(75.68%)

2nd SEM



Bidhya Chhetri
1RI17EE002(75.68%)



Ruchitha S
1RI17EE010(73.5%)



Deepthi Thapa
1RI17EE003(65.85%)

4TH SEM



Sandeep Kumar Chaudhary
1RI16EE014(74.81%)



Koushik Das
1RI16EE007(73.13%)



Santosh Kumar Singh
1RI16EE015(64.0%)

6th SEM



B M Vannesh
1RI15EE007(65.2%)



Rakshitha G N
1RI15EE006(69.12%)



Arpitha S
1RI15EE001(69.12%)

8th SEM



A G Likitha
1RI14EE001(76.2%)



Saran Sasidharan
1RI14EE021(74.9%)



Chandini C V
1RI14EE00(73.3%)

Basic Electrical Engineering Laboratory

The Basic Electrical Engineering Laboratory (18ELEL17/27) was introduced by Visvesvariah Technological University in the academic year 2018-19 for the first year students.

The syllabus consists of the basic experiments such as KVL and KCL, Measurement of power and power factor of the lamps, Open Circuit Test and Short Circuit Test etc.,

Prof. Girish Kumar B A was incharge for setting up of the Basic Electrical Laboratory.



Experiments conducted by students in
Basic Electrical Engineering



Experiment demonstration by Prof.
N Shyamsundar

EEE DEPARTMENT



**“OUR GREATEST WEAKNESS LIES IN GIVING UP
THE MOST CERTAIN WAY TO SUCCEDED IS
ALWAYS TO TRY JUST ONE MORE TIME”**

- Thomas Edison



NAAC Accreditation Certificate



Receiving NAAC Accreditation Certificate by the department