



Department of Electrical and Electronics Engineering

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EnEEergy

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Mr. Akash Kumar Singh
 2nd Semester, Dept. of EEE.

Principal Desk

I am very happy to know 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.



Dr. Manjunatha M B

HOD Desk



Prof. K J Somashekara

I am happy to unveil our newsletter "EnEEergy". Through this issue I am proud to present the various accomplishments of the department and the achievements of faculties and students. The Editorial Board gratefully acknowledges the constant source of inspiration from the Principal and Management.

Vision

To become nationally recognized department by imparting core values, ethics and promoting excellence for overall development of our graduates

Mission

- * To create an environment that facilitates learning the fundamentals of Electrical Engineering
- * To impart the knowledge in Electrical Circuits, Power Systems, Electrical Machines, Power Electronics, Electrical Drives and Non-conventional Energy Systems
- * To provide premier education through dedicated teaching, innovation and research
- * To cater to practical issues by adapting to technical, economic and social trends
- * To prepare students to face challenges in the global environment

Events

1. Orientation Program



Prof. Shyamsundar N imparting knowledge on placement activities

Orientation Program was organised to the students of the department on 7th February 2019 by Prof. K J Somashekara, Prof. Sunanda C V, and Prof. R. Navaneetha Krishna.

The program was intended to introduce the academic requirements of the even semester, along with highlighting the significance of the subjects and opportunities in the career.

All faculties shared their thoughts and motivated the students to participate in various activities to be organized from the department and associated clubs.

Prof. Shyamsundar N, Placement Coordinator of the department shared the placement activities to be held and also, he briefed about placement training classes to be held in the academic year 2018-19.

2. Student Development Program



Dr. Manjunatha M B addressing the students @ Inauguration

Three days Workshop on AutoCAD and 2D modelling was organised by department of Electrical and Electronics Engineering from 25th February 2019 to 27th February 2019. Prof. R Navaneetha Krishna was resource person for this three days program.

The significance of the program was to impart the basic idea of AutoCAD and its tools along with the design aspects of windings, substations and assembly drawing.

The students learnt the commands, different tools of AutoCAD and also used the same to model the electrical machines and substation layouts etc. the program ended with feedback and valedictory. The

students of 6th semester Electrical and Electronics Engineering got benefited from the program.

3. Industrial Visit



Faculties and Students @ Udipi Power Corporation Limited

Three days Industrial visit was organised by the department to Varahi Power Plant and Udipi Power Corporation Ltd., from 02/04/2019 to 04/04/2019. Prof. Girish Kumar B A and Prof. Sunanda C V coordinated this visit. The objective of the visit was to enhance the knowledge & enable visualization of power generation, transmission and distribution.

The blue print of the entire power plant along with a video was explained to the students. The working of the power plant which includes turbine, generators lubricants used, transformers, nozzle, water purification, coal and ash storage unit, wagon buchholz relay

was explained in detail. Additionally, the practical aspects of SCADA control room were explained. Students got information of digital control system used to monitor the entire plant. The visit has enabled the students to gain in-depth practical knowledge on power plant, generation, transmission, distribution of power, and safety practices followed in power plants. 27 students and three faculties of benefited from the visit.

4. Project Exhibition @ ITI

Mrs. Vanasundari, Additional General Manager, ITI, Bangalore during her visit for project exhibition MERAKI 2019 in RRIT on 03.05.2018 invited 5 project groups of RRIT to exhibit their projects at ITI on 18.05.2019.

The project groups with the HOD Electrical and Electronics Engineering Prof. K J Somashekara, project guide Prof. R Navaneetha Krishna along with students visited ITI on 18.05.2019. All the projects were exhibited in ITI Exhibition Hall from 11.30AM to 3.45PM.

Engineers from various departments of ITI including R&D and Production participated in the demonstration and interacted with the students and gave their feedback about the projects.

Mr. Y. Muralidhar, Plant Head and Mr. N. Ilamaran, General Manager - R&D visited the project and share their views with the students.

All the visitors expressed that the projects ideas were good and to improve further for possible production of the systems.



Students explaining to Mr. Y Muralidhar, General Manager, Bangalore Plant, ITI Limited



Students explaining to Mr. N Ilamaran, General Manager - R & D, ITI Limited

Achievements and Recognitions

- * Prof. Venkatesan C awarded PhD. Degree in Information and Communication Engineering from Anna University, Chennai
- * Prof. Venkatesan was the session chair for International Conference - RISEM 2019, 10th May 2019, RRIT
- * Prof. Sunanda C V awarded, as "Proactive Women" on Women's Day 2019, RRIT
- * Prof. Sunanda C V appreciated for 5-Long years of services on Women's Day 2019, RRI
- * Prof. Sunanda C V appreciated for her contribution during NAAC accreditation process
- * Prof. Sunanda C V appreciated for her contribution in Kalatarranga 2019
- * Prof. Sowmya G J awarded "A Very Special Teacher", Alumni meet 2019, RRIT
- * Prof. Sowmya G J appreciated for her contribution in World Health and Women's day 2019
- * Prof. R Navaneetha Krishna appreciated for his contribution during NAAC accreditation process
- * Prof. R Navaneetha Krishna reviewed "Comparative Study of Harmonic Reduction in Three Phase Inverter Based on SPWM and TPWM Techniques" IJISTA-240498
- * Prof. R Navaneetha Krishna reviewed "An Experimental Analysis of Quad Wheel Autonomous Robot Location and Path Planning Using Borahsid Algorithm (BsA) with GPS and Zigbee" IJVICS-253614
- * Prof. Girish Kumar B A appreciated for his contribution in Kalatarranga 2019
- * Prof. Shyamsundar N, Prof. Sunanda C V, Prof. R Navaneetha Krishna, Prof. Girish Kumar B A and Prof. Renukamba J N attended workshop "Material Science and Technology" and "Probability Theory and its Applications in Engineering" organized by Basic Science Department, RRIT, 22nd to 23rd April 2019
- * Prof. K J Somashekara and Prof. Sunanda C V attended workshop "Strategy Development Plan", organized by IQAC, RRIT 13th March 2019
- * Prof. Venkatesan C attended "Deliberation of 3-8th semester 2018 Scheme and Syllabus" at BNMIT, Bengaluru 29.04.2019 to 30.04.2019
- * Mrs. Nirmala S H, awarded "A Very Special Teacher", Alumni meet 2019, RRIT

- * Mrs. Nirmala S H, appreciated for Long years of services on silver jubilee year, RRI Women's Day 2019, RRI
- * Mrs. Nirmala S H, honored with "Outstanding Service Award", Women's Day 2019, RRI
- * Mr. Vannesh B M awarded "Best outgoing student of the year 2018-19", during Graduation Day 2019
- * Mr. Sandeep Kumar Chaudhary awarded Silver medal for department topper for 2017-18, during Graduation Day 2019
- * Mr. Pratik Chaudhray awarded Silver medal for semester topper for 1st semester 2017-18, during Graduation Day 2019
- * Mr. Sikindra Kumar Thakur awarded Silver medal for semester topper for 2nd semester 2017-18, during Graduation Day 2019
- * Mr. Sandeep Kumar Chaudhary awarded Silver medal for semester topper for 3rd semester 2017-18, during Graduation Day 2019
- * Mr. Koushik Das awarded Silver medal for semester topper for 4th semester 2017-18, during Graduation Day 2019
- * Mr. Vannesh B M awarded Silver medal for semester topper for 5th and 6th semester 2017-18, during Graduation Day 2019
- * Mr. Vannesh B M awarded Silver medal for semester topper for 6th semester 2017-18, during Graduation Day 2019
- * Mr. Saran Sasidharan awarded Silver medal for semester topper for 7th semester 2017-18, during Graduation Day 2019
- * Ms. A G Likitha awarded Silver medal for semester topper for 8th semester 2017-18, during Graduation Day 2019
- * Ms. G Bhanupriya won 2nd prize in 200mtr Running Race during Kalatarranga 2019
- * Ms. G Bhanupriya won 1st prize in 400mtr Relay during Kalatarranga 2019
- * Ms. G Bhanupriya, Ms. Ruchita S, Ms. Hemanjali R and team won 1st prize in Throw Ball during Kalatarranga 2019
- * Mr. Md. Shamim Khan and team won 2nd prize in Fashion Show during Kalatarranga 2019
- * Mr. Rahul Kumar won 2nd prize in Chess during Kalatarranga 2019
- * Ms. Chandana Shree P won 1st prize in Elocution competition "Role of Women in Present Society", Womens day 2019
- * Mr. Babugouda, Mr. Vannesh B M, Mr. Md. Shamim Khan, under the guidance of Prof. R Navaneetha Krishna exhibited their project "IoT based Transmission Line Fault Monitoring System" on 18th June 2019 in ITI Ltd. Bangalore Plant
- * Ms. Arpitha S and Ms. Rakshita G N under the guidance of Prof. Renukamba J N won 1st prize for the project "Hybrid Renewable Power System Design using Solar Piezo Electric and Wind Energy combined with Arduino", MERAKI-2019, RRIT

Paper Presentation and Publications

- * Prof. Venkatesan C, "Optimal Design and Performance Analysis of MIMO-OFDM based Cognitive Radio using Game Theoretic Approach" which has been accepted by the Publication in The Journal of Super Computing (SCOPUS/SCIE), Springer, United States, Print ISSN: 0920-8542. (IF: 1.532)
- * Prof. Venkatesan C, "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)
- * Prof. Venkatesan C, "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

- * Prof. R Navaneetha Krishna, Mr. Babugouda, Mr. Vannesh B M, Mr. Md. Shamim Khan, "Transmission Line Fault Monitoring System", International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved), ISSN:2349-5162, Vol.6, Issue 5, page no. pp1-3, May 2019, Available at :http://www.jetir.org/papers/JETIRCR06001.pdf
- * Prof. R Navaneetha Krishna, Mr. Babugouda, Mr. Vannesh B M, Mr. Md. Shamim Khan, presented a paper "Transmission Line Fault Monitoring System", State level paper presentation on Emerging Trends in Electrical and Electronics Engineering, held at Acharya Institute of Technology, Bengaluru
- * Prof. R Navaneetha Krishna, Mr. Babugouda, Mr. Vannesh B M, Mr. Md. Shamim Khan, presented a paper "Transmission Line Fault Monitoring System", National conference on Intelligent Energy Systems 2019, held at GSSS institute of Engineering and Technology for Women, Mysuru

Department Topper



Koushik Das
IRI16EE007
81.37%

Semester Toppers

	1 st semester	3 rd semester	5 th semester	7 th semester
1 st	 Mr. Bharath Kumar K IRI18EE004 72.5%	 Mr. Pratik Chaudhary IRI17EE007 78.94	 Mr. Sandeep Kumar Chaudhary IRI16EE014 78.5%	 Mr. Vannesh B M IRI15EE007 77.75%
2 nd	 Mr. Gagan Kumar IRI18EE007 67.63%	 Ms. Ruchitha S IRI17EE010 70%	 Ms. Sneha S Gowda IRI16EE017 76.7%	 Ms. Rakshitha G N IRI15EE006 76.125%
3 rd	 Mr. Akash Kumar Singh IRI18EE001 63%	 Mr. Sikindar Kumar Thakur IRI17EE013 68.82%	 Ms. Nahetrivelo Mahitsoa Victoria IRI16EE023 68.30%	 Ms. Arpitha S IRI15EE001 74.5%

Gallery



Alumni Students facilitated the faculties
@ Alumni meet 2019



Ms. Banupriya won 2nd prize in 200mtr Running @ Sports
Event



Students @ Green Club activity, Government School, Mandya



Mr. Rahul Kumar won 2nd place in Chess @ Sports Events



Faculties and students @ NSS Camp, Siddarabetta



Ms. Bhanupriya and team receiving cash prize for throw ball



Faculties and students @ NSS Camp, Siddarabetta



Ms. Netra N and team performing @ Kalatarranga 2019



Mr. Shamim and group won 2nd place in Fashion Show @ Kalatarranga 2019



Mr. Venkatesh and group explaining the Project to Dr. Manjunath M B, Principal, RRIT



Prof. Sunanda C V receiving award on women's day 2019



Ms. Arpitha S and Ms. Rakshita G N explaining their project to the Principal, and received best project award @ Meraki 2019



Ms. Chandana Shree P @ Elocution Competition organized by Energy Club



Students @ State level conference, AIT Bangalore



Mr. Arvind S B receiving certificate for Elocution competition organized by Energy Club



Toppers Group Photo @ Graduation Day



Mr. Vannesh B M receiving Best Outgoing Student of the year 2018-19 from Sri Arun H R, Director, RRIT and Prof. K J Somashekara, HOD, Department of Electrical and Electronics Engineering, RRIT



Graduating Students 2018-19