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R. R. Institute of Technology

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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Electrical and Electronics Engineering

Volume5-Issue2

“EnEErgy”

August 2021

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PRINCIPAL DESK

It is a matter of great pride and satisfaction for *R R INSTITUTE OF TECHNOLOGY* to bring out the News Letter “*EnEErgy*” released from the Department of Electrical and Electronics Engineering. The College has made tremendous progress in all areas of academic, non- academics, capacity building relevant to staff and students. The College has achieved another milestone in getting NACC Accreditation. I am confident that this issue of Department News Letter will send a positive signal to the staff, students and the person who are interested in the Technical education and Technology based activities. A News Letter is like a mirror which reflects the clear picture of all sorts of activities undertaken by a Department and develops writing skills among students in particular and teaching faculty in general. I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task in Record time. I express my deep sense of gratitude to *Dr. Sunitha H D*, HOD under whose guidance this Technical work has been undertaken and completed within the stipulated time. Also my heartfelt Congratulations to staff members and Students for their fruitful effort. With Best Wishes. **PRINCIPAL**



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I am very pleased to unveil Vol 5, Issue 2 of our department newsletter “Energy”. In this issue, we have presented the news related to diverse activities conducted by the department and also contributions.

Vision

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

Mission

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

Events Organized



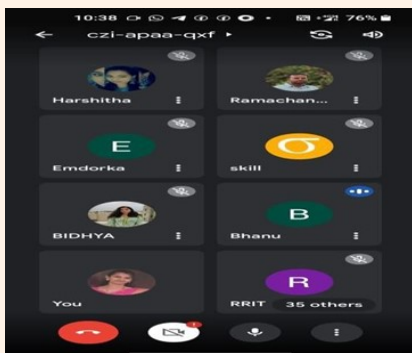
1.A Online Guest Lecture on “What industry really expects from the students after the after employment?” on 28/05/2021.

The Resource Person was Prof. Muthu krishnan H , Assistant Professor (Senior Grade), Department of Information Technology, Kongu Engineering College, Tamil Nadu. The online guest lecture was organized to give an idea to the students on how to upskill themselves perfectly for the expectation from the industry. 106 participants were benefited from the Guest Lecture..The students found the session very informative and suggested to conduct more events like this. The session has also received overwhelming response and impressive feedback from the students.



2.A Guest Lecture on “WAMS (Wide Area Monitoring System) for Power System (Microgrid)” On 04/06/2021

The Resource Person was Dr.Rohikaa Micky R, Assistant Professor , Electrical and Electronics Department, College of Engineering , Vadakara, Calicut, Kerala. The main objective of the guest lecture was to convey the importance of WAMS (Wide Area Monitoring System) for Power System (Microgrid) Security .The guest lecture was organized to 36 students of EEE attended the seminar. To convey the importance of WAMS (Wide Area Monitoring System) For Power System (Microgrid) Security and its application to students . 45 participants were benefited from the Guest Lecture. The students found the session very informative and suggested more events like this.



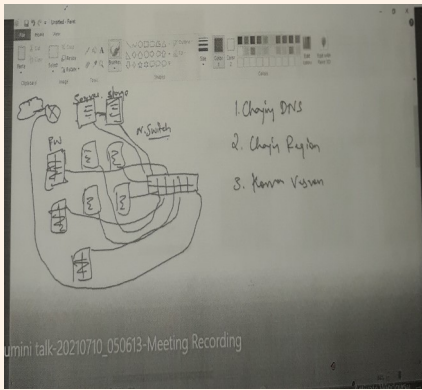
3.Online Guest Lecture on “Easy documentation ,execution and PPT using Jupyter Notebook.”on 17/07/2021

The Resource Person was Arun Kumar N, Trainer & amp, Developer, Skill Disk, Rajajinagar, Bengaluru. The objective of the session was to brief the students on how to make presentation and reports using jupyter notebook which will benefit them as a student and in their career too. The students found the session very informative and suggested more events like this. 46 participants were benefited from the Guest Lecture.

4.AICTE activity on “Energy Conservation” on 12/07.2021

The SDP on “Energy conservation “ was held for 4th semester students of the institution. The main objective of this activity is to create awareness on energy conservation among students. This session resource persons :Prof. Sunanda C V, Prof. Ramachandra, C & Prof.Gautham G. of Electrical & Electronics Engineering department. The students found the session very informative and suggested more events like this..

Sl.No.	Activity Category	Activity Point
1	QUESTIONARIES	4
2	RESIDENTIAL LOAD	10
3	REPORT	3
4	QUIZ	3
	TOTAL	20



4. Opportunity in IT Infrastructure Service.

The Department of Electrical & Electronics Engineering organized a seminar on “**Opportunity in IT Infrastructure service**” on 10-/07– 2021 for the students of 4th sem, 6th sem & 8th sem. 47 participants were benefited from the guest lecture. The students found the session very informative and suggested to conduct more events like this. The session has also received overwhelming response and impressive feedback from the students.

Paper Publications

1. Dr. Mangala Gowri S G , Naveen M, “Earthquake Magnitude Prediction using Artificial Neural Network Model”, International Journal of Aquatic Science, ISSN: 2008-8019, Vol 12, I 2021.

2. Dr. Mangala Gowri S G , Naveen M, Sunanda C V, Published a paper titled, “Predicting Diabetes Mellitus Using K-Fold Cross Validation, Kalyan Bharthi”, ISSN No. 0976-0822 (UGC-CARE - GROUP)

3. Dr. Mangala Gowri S G , Naveen M, Emmanuel Rajarathnam, Published a paper titled, “Predicting Diabetes Mellitus Using Artificial Neural Network”, Utkal Historical Research Journal, Vol.34 (XIX), ISSN: 0976-2132, 2021.

4. Dr. Mangala Gowri S. G, Dr. Sunitha H.D, “Dual Tree Wavelet Transformation Using Wavelet Filters, Shodhsamhita: Journal of Fundamental & Comparative Research”, Vol. VII, No. 4, ISSN: 2277-7067, 2021.

5. Sunanda C.V, Ramachandra C, Gowtham G, Monitoring and controlling of Unmanned aerial vehicle by electrical actuators, Journal Interdisciplinary cycle research, ISSN-0022-1945, 2021.

6. Gowtham G, Sunanda C.V, Ramachandra C, Low – frequency sub-band image compression using JSS Algorithm, Journal Interdisciplinary cycle research, ISSN-0022-1945, 2021.

Department Topper

7. Ramachandra C, Gowtham G, Sunanda C.V, Hybrid renewable power system design using solar, piezo electric and wind energy, Journal Interdisciplinary cycle research, ISSN-0022-1945, 2021.



Sikindra Kumar Thakur

1R117EE013,

Score: 86.57%

Semester Toppers

Toppers	Year	Student photo	Name of the student	USN	Score in %
1st Topper	II		Dheeraj K	1RI19EE004	83.88
2nd Topper	II		Raushan Kumar Shrivastava	1RI19EE006	80.75
3rd Topper	II		Rupesh Kumar sah	1RI19EE002	76.25
1st Topper	III		Bharath Kumar K	1RI18EE004	79.00
2nd Topper	III		Gagan Kumar	1RI18EE007	76.75
3rd Topper	III		Mohammad Safiullah	1RI18EE010	74.75
1st Topper	IV		Sikindra Kumar Thakur	1RI17EE013	86.57
2nd Topper	IV		Bidhya Chhetry	1RI17EE002	86.43
3rd Topper	IV		Prathik Chowdary	1RI17EE007	86.14

**Education is the passport to future ,for tomorrow
belongs to those who prepare for it today.**