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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Electronics & Communication Engineering

VIDYUNMAANA

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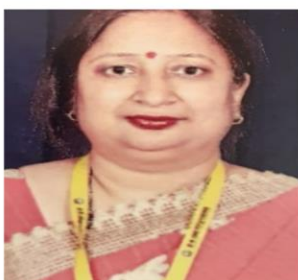
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Principal Desk

I am very happy to know that the Department of Electronics & Communication Engineering is showcasing their activities and achievements through the department newsletter. I wish them all the best in their endeavour.



Dr. Mahendra K. V.

HOD Desk

I am very pleased to unveil Vol 5, issue 1 of our department newsletter "Vidyunmaana" In this issue, we have presented the news related to diverse activities conducted by the department and also contributions and achievements of our faculty members and students.



DR, SUNITHA H.D.

Vision

To impart technical education par excellence and prepare leaders to grow beyond leaps and bounds to serve the growing industries and society.

Mission

To train the students to emerge as outstanding skilled technocrats imbued with professional ethics and managerial skills with commitment to the society and nation at large.



1. Awareness program on “Clean to Green”

Awareness program on “**Clean to Green**” was organised on **26th of September 2020** to sensitize and impart knowledge among students, teachers about proper management, disposal, and channelization of E-waste, thereby reducing the impact of hazardous substances on the environment, and encouraging environmentally sound recycling through collective efforts of stakeholders involved in the entire e-waste value chain, as part of **Ministry of electronics and Information technology (MeitY), Government of India Initiative –Green Initiative**. Resource person was **Ms. Ankita** of **Gemini Marketing solutions**. 103 students and 17 faculty have attended this program.

2. Seminar On “Introduction To Embedded Systems And IOT”

A seminar on **Introduction to embedded systems and IOT** was conducted on **6th November 2020**, in association with **CHIRA Information technologies**, Bengaluru. Resource person was **Dr. Malathi** Technical Director, Chira information technologies. The objective of the workshop was to brief the students a set of advanced topics in embedded IOT and lead them to understand research in network and to learn real world applications scenario of IOT along with its social and economic impact using case studies. 48 students attended the program.

3. Seminar on “Scope of Machine Learning For ECE”

The ERICA –Association with Be practical and Skill Will solutions organized a one day Seminar on “**Scope Of Machine Learning For ECE**” on **10th November 2020**, Resource person was **Mr Abhishek R Patil Founder & CEO –Zcientia Labs**. Seminar enabled the Participants to understand the fundamentals of Machine learning and motivated the students to understand the latest technology of next decade and how they can choose structured career path and understanding of machine learning. 50 students participated in the seminar.

4. Two Days SDP On “ Power Converters Simulation”

Department conducted a 2 Days SDP On “**Power Converters Simulation**” on **19th & 20th November 2020**, Resource person was **Prof. Ashrita M. Research scholar (PHD) UVCE**, Bangalore university. The main objective of this SDP was to make the students understand different types of Power converters, and it also focused on simulation using LT spice simulator. SDP enabled the participants to understand the fundamentals of Power converters, Installation of LT Spice Simulation, Participants had hands on session on simulating different types of converters and they did small projects on LT Spice Simulator. 87 students and four faculty members participated in it.

5. Six Days Certificate Program On “Introduction To Python And Applications”

6 Days Certificate Program On “**Introduction To Python And Applications**” was conducted from **21st to 28th December**, Resource persons were **Prof. Chandan Venkatesan**, Assistant professor ECE Coimbatore, Tamil Nadu and **Dr Nageshwara Gupta**, Head IQAC, Senior Associate Professor School of computing Science and engineering VIT Bhopal University. Certificate program provided knowledge of Python and made them understand that how Python is useful scripting language for developers. 57 students and 3 faculty members participated in the program.

6. Seminar/Webinar On “ Career Opportunities In Overseas Education”

Seminar was conducted on **23rd December 2020** by IQAC and ECE, Resource person was **Prassanna Poojar** Managing Director, **Lokahh International India**, Bangalore. Seminar brought awareness about

opportunities in each country to take high Education and scholarships offered to students and various admission procedures in various universities across Countries. 73 students participated in it.

Online Alumni meet

An online Alumni meet was conducted by the department on 10th October 2020. Students had a Gala time meeting their teachers and seniors after long time .They shared their experiences in RRIT and outside RRIT. Final year students also attended the meet. Alumni's gave lot of Emphasis on Skill development and learning of programming languages like C++ , Java and Python for the present students.40 alumni and 30 students attended this meet

Paper Presentation and Publications

1. **Dr. Sunitha H.D. & Niranjana L.** Published a paper titled "Design and Implementation of Real Time Monitoring of Aquaponic System using Atmega328p,IOT and proteus Design Tool "in IJRAR Vol -7 Issue-3 , 2348-1269 with impact factor of 5.75
2. **Dr. Sunitha H.D. & Niranjana L.** Published a paper titled " Universal Egg Incubation system for hatching using Atmega328P, Proteus Design Tool and IOT " in IJRAR Vol -7 Issue-3 , 2348-1269 with impact factor of 5.75
3. **Dr. Sunitha H.D. & Dr.Mangala Gowri** Published a paper titled "EEG signal classification using dual tree wavelets" In Sambodhi (UGC care journal) Vol-43, 2249-6661 with impact factor of 5.8.
4. **Dr. Sunitha H.D. & Dr.Mangala Gowri** Published a paper titled" Feature classification of EEG signals using neural networks in Kala Sarovar (UGC CARE journal), vol 24, No.1(III) 0975-4520.
5. **Dr. Sunitha H.D. & Dr.Mangala Gowri** Published a paper titled "RFID based smart car parking system using IOT" in Wesleyan journal of research(UGC CARE),vol 14,No.1(IV) , 0975-1386
6. **Prof. Anshu Deepak** Published a paper titled " Performance Analysis of smart traffic control system using image processing in IJRAR , 2348-1269 with impact factor of 5.75
7. **Prof. G Parimala Gandhi G. and Prof. Mohan kumar** Published a Paper titled " A Novel Approach to Smart Power Generation in Smart Vehicle" in UGC Care Journal-Sambodhi , Vol-43 2249-6661 with impact factor of 5.8.
8. **Prof. Mohan kumar** Published a Paper titled "Design and Implementation of high speed low power consumption Moore based loopback adder on FPGA in Web of science-IJIUS 2049-6427 Scopus 1.7.

Department Topper



Ms. Pooja R
1RI16EC020
88.6 %

Semester Toppers

	II nd Semester	4 th Semester	6 th semester 17 batch	6 th Semester15 batch	8 th Semester
1 st Topper	 Mr. Sai Kiran G 1RI19EC014 85 %	 Ms Tejaswini 1RI18EC016 87.3 %	 Mr. Adarsh M.P. 1RI17EC001 79.9 %	 Ms.Sushma V 1RI16EC028 82.75 %	 Ms Supritha B. 1RI16EC027 87.1 %
2 nd Topper	 Mannuru Panchala Narasimha 1RI19EC008 84 %	 Mr.Veereshhiremath 1RI18EC017 80.4 %	 Ms pallavi 1RI17EC015 79.8 %	 Mr.Nandeesh Reddy 1RI16EC018 77.13 %	 Ms. Ramyashree 1RI16EC036 86.9 %
3 rd Topper	 Ms Deepshikha Gupta 1RI19EC002 83 %	 Mr. Sai Prashanth 1RI18EC012 77.1 %	 Ms.Varsha 1RI17EC026 78.5 %	 Mr Kishore S 1RI15EC15 73.38 %	 Ms Nayana K. 1RI14EC037 86.3 %

Photo Gallery:

