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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Electronics & Communication Engineering

VIDYUNMAANA

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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 endeavor.



Dr. Mahendra K. V.

Editor in Chief

Dr Sunitha H.D.

Professor & HOD, Dept. of ECE

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, contributions and achievements of our faculty members and students.



DR. SUNITHA H.D.

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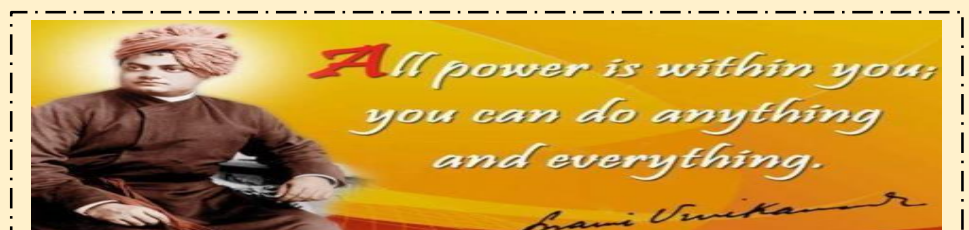
Vision

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

Mission

M1: To train the students to emerge as outstanding skilled technocrats imbued with professional ethics engineering and managerial skills with commitment to the society and nation at large.

M2: To create a Centre of Excellence in the field of Electronics with industrial and university collaborations.



[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 stake holders involved in entire e-waste value chain , as part of **Ministry of electronics and Information technology (MeitY) ,Government of India Initiative –Green Imitative**. 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 topic 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 carrier 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** , Resourse person was **Prof. Ashrita M. Research scholar (PHD) UVCE** ,Bangalore university. The main objective of this SDP was to make the students understand different type of Power convertors, and it also focused on simulation using LT spice simulator. SDP enabled the participants to understand the fundamentals of Power convertors ,Installation of LT Spice Simulation, Participants had hands on session on simulating different types of convertors 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 December2020** by IQAC and ECE , Resourse person was **Prassanna Poojar Managing Director ,Lokahh International India** ,Bangalore. Seminar brought awareness about

opportunities in each country to take higher 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 a 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
1R116EC020
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 1R119EC014 85 % |  Ms Tejaswini 1R118EC016 87.3 % |  Mr. Adarsh M.P. 1R117EC001 79.9 % |  Ms.Sushma V 1R116EC028 82.75 % |  Ms Supritha B. 1R116EC027 87.1 % |
| 2 nd Topper |  Mannuru Penchala Narasimha 1R119EC008 84 % |  Mr.Veereshhiremath 1R118EC017 80.4 % |  Ms pallavi 1R117EC015 79.8 % |  Mr.Nandeesh Reddy 1R116EC018 77.13 % |  Ms. Ramyashree 1R116EC036 86.9 % |
| 3 rd Topper |  Ms Deepshikha Gupta 1R119EC002 83 % |  Mr. Sai Prashanth 1R118EC012 77.1 % |  Ms.Varsha 1R117EC026 78.5 % |  Mr Kishore S 1Ri15EC15 73.38 % |  Ms Nayana K. 1R114EC037 86.3 % |

Photo Gallery:

