

NEWS BULLETIN

YANTRAMAN

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**Department of Electronics & Communication
Engineering**



HOD MESSAGE

Prof. Prasanna Kumar C

(M-Tech, Ph.D, MISTE, IETE)

Head Of Department

It gives me an immense pleasure to know that the Sixth Volume, Issue 1 Magazine "YANTRAMAN" of the Department of Electronics and Communication Engineering is ready to release. The students are not only a part of the academics but also indulge themselves in various extra-curricular activities, effectively work in multidisciplinary teams, endowed with leadership qualities, and practice engineering with moral principles and this newsletter acts as a prism to reflect the variety of academic and extracurricular pursuits of our students. It also showcases the achievements of the faculty in their research area. I wholeheartedly congratulate the team for their marvellous efforts in bringing out this newsletter.

Department of Electronics & Communication Engineering

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To inspire innovations so as to carve a niche in the field of Electronics and communication Engineering by inculcating a spirit of creative thinking and train the students in present technologies to meet industrial as well as social needs



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- ❖ To continuously keep abreast with current trends and technology that support the students to excel in the area of Electronics & Communication Engineering.
- ❖ Provide ethical and value based education by promoting activities addressing the social and industrial needs.
- ❖ Equip students with a study foundation in Electronics & communication technology concepts to enable them for continuing education.



PROGRAM EDUCATION OBJECTIVES

- ❖ Excel in professional career and/or higher education by acquiring required up to date knowledge in area of Electronics and Communication Engineering.
- ❖ Analyze real life problems, design appropriate systems to provide solutions that are technically sound, economically feasible and socially acceptable.
- ❖ Exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends by engaging in lifelong learning.

Editorial Board



Dear Readers,

Welcome to the 6th Volume, 1st Issue of YANTRAMAN. We are very excited to launch ECE Department Magazine "YANTRAMAN" which will give you all an opportunity to have a glimpse of all the departmental activities. It also includes the student's achievements in curricular and extra-curricular activities. This newsletter will doubtlessly serve as a special platform to showcase creativity and talents of the students which is an essence of success.

We take this opportunity to thank all the authors who have contributed the articles and also would like to express our gratitude to all the members of the editorial board and designers. Lastly, we would like to place on record our gratitude and heartfelt thanks to all those who have contributed to making this effort a success, now its time to have a joyful newsletter reading!!!

-Mrs.Nazia Abdul Majeed
Staff Co-ordinator
Dept of ECE

Student Coordinator

Savi - IV Sem

Hitha- IVSem

Sagar - IV Sem

Muhammed Dhaniel - III Sem

Mohammad Aman S - III Sem

DEPARTMENTAL ACTIVITIES

Work Shop on

“CIRCUIT CREATION, SIMULATION AND ANALYSIS USING MULTISIM AND PROTEUS”

Workshop on "Circuit Creation, Simulation and Analysis Using Multisim and Proteus" was held from 8th to 10th November 2022 in YIT. The workshop was organized in association with IEEE Student Branch and ISTE Student Chapter. Dr. Prasanna Kumar C, Head, Department of Electronics and communication Engineering, Prof Sandeepa Prabhu and Prof. Pavithra S G, Assistant Professor, Department of Electronics and communication Engineering of YIT were the resource persons.

At the end of this Workshop the students were be able to draw an electronic schematic diagram, Simulate an electronic circuit, Analyze an electronic circuit.





**Technical Talk
on
“Microcontrollers,
Open- Source Platforms
& Embedded Applications”**

**Inauguration of ECE Students' Association
*ECHOLECTIC***

A technical talk on “Microcontrollers, Open-Source Platforms & Embedded Applications” was delivered by the resource person Mr. Mohammed Sadiq on 10th December 2022, after the inaugural function. In his talk sir explained about the reality of working in the core industry. For an electronics engineer the core industries include Embedded Systems, robotics, embedded electronics, etc. But, to get job opportunities in these industries one has to be very skilled with a good understanding of fundamentals and practical approach.

At the end of the Technical Talk, Students will be able to, Gain exposure to the field of Microcontrollers, Get to know entry level positions and skill set requirements for these positions in the industry, Exposure to the field of Open- Source Platforms & Embedded Applications, Understand how Tech Graylogix is filling the industry- academia gap and Ask questions related to their career.



Technical Talk on

“Overview of Tools in IT Sector”

A technical talk on “Overview of Tools in IT Sector” was delivered by the resource person Mr. Karthik Kashyap on 16th January 2023. In his talk sir explained about the reality of working in the IT industry. For an electronics engineer the core industries include Embedded Systems, robotics, embedded electronics, etc. But, to get job opportunities in these industries one has to be very skilled with a good understanding of fundamentals and practical approach. Industry expects engineers to be acquainted with knowledge of Embedded C programming skills. The resource person provided some insights about various positions in Industry and also motivated the students to get into entrepreneurship as well.

At the end of the Technical Talk, Students gained exposure to the tools used in IT Sector, got an awareness of entry level positions and skill set requirements for these positions in the industry.





Faculty Achievement

Dr. Prasanna Kumar

Research paper entitled “Analysis Of The Smart Grid Pilot Project In Mangalore’s Implementation Barrier For Rooftop Solar PV Systems” Published in International Journal of Electrical Engineering and Technology(IJEET) Volume 13,Issue 8,August 2022,pp.15-23.

Mr. Shashank M. Gowda

- 1.Participated in an event on “New Learning Methodologies in Engineering and Medical Education:Role of Faculties and Librarians” organized by IEEE, BESCO on 10th August 022 at The Ocean Perl, Mangalore, Karnataka.
 - 2.Invited as a Resource Person for Technical Talk on “3D Printing and It’s Applications” for pre- final year Diploma students in Mechanical Engineering students on 25th of July 022 at KPT, Mangalore.
 - 3.Participate in One Day Workshop on “Publication Tool for Scholarly Publishing” organized by Central, YIT on 25th June 2022 at Yenepoya Institute of Technology, Moodbidri.
 - 4.Invited as a Resource Person for Technical Talk on “Additive Manufacturing and It’s Aplications” for pre- final year and final year Engineering students in Mechanical Engineering students on 9th of April 022 at KVG collage of Engineering, Sullia.
 - 5.Conucted a 3 Day Hands-on Workshop as aResource Person on “Simulation Schematic Capture and RCB Design of Electronic Circuits” for Second Year Student of Electronics and Communication Engineering from 21th-23th of March 2022 at Yenepoya Institute of Technology, Moodbidri.
 - 6.Completed successfully 3 Day Hands-on Workshop on “PCB Design” from 16th to 18th February 2022, organized by Department of EEE at Yenepoya Institute of Technology, Moodbidri.
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FACULTY

Ms. Pavithra S.G:

Published Research paper entitled "Solar Powered Grass Cutter Robot" published in the International Journal of scientific Research in Science, Engineering and Technology (IJSRSET), Volume 9/Issue 13, 28 May 2022, Print ISSN: 2395-1990, Online ISSN: 2394-4099.

Research Paper entitled "Receptionist Robot using Raspberry Pi" published in the International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), Volume 9/Issue 13, 28 May 2022, Print ISSN: 2395-1990, Online ISSN: 2394-4099.

Conducted a workshop on "Circuit Creation, Simulation and Analysis using Multisim and Proteus" from 8th to 10th November in Yenepoya Institute of Technology, Moodbidri.

Participated in the AICTE Recognized FDP on IOT and its Applications conducted by ECE department from 05/12/2022 to 09/12/2022 at NITTR, Chandigarh.

Mr. Sandeepa Prabhu:

Conducted a workshop on "Circuit Creation, Simulation and Analysis using Multisim and Proteus" from 8th to 10th November in Yenepoya Institute of Technology, Moodbidri.

Attended 3 Day Intel LEAD Faculty Development Program on SoC Design Methodology using Intel FPGAs held at NITK, Surathkal on December 1-3, 2022.

Ms. Nazia Abdul Majeed:

Attended 3 Day Intel LEAD Faculty Development Program on SoC Design Methodology using Intel FPGAs held at NITK, Surathkal on December 1-3, 2022.

Mr. Harsha C.J:

Attended AICTE Recognized Faculty Development Program on Free Simulators for ECE Lab Practices from 22/08/2022 to 26/08/2022 at NITTR, Chandigarh.

Ms. Rebecca Angela Fernandes:

Research Paper entitled "Analysis of The Smart Grid Pilot Project In Mangalore's Implimentation Barrier for Rooftop Solar PV Systems" Published in International Journal of Electrical Engineering and Technology (JEET) Volume 13, Issue 8, August 2022, pp 15-23.

Mr. Gangadhara:

Attended AICTE Recognized Faculty Development Program on VLSI Devices and Circuits for AI Applications from 19/09/2022 to 23/09/2022 at NITTR, Chandigarh.

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Students

Achievement

Ms. Sushrutha K.T., V Sem has secured 1st Prize in IDEATHON 2022 organized by Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, on 10th December 2022 under the theme TECHNOLOGY BASED AGRICULTURE.

Ms. Sushrutha K. T., V Sem has secured Silver Medal in under 71 Kg Category in VTU 22nd State Level InterCollegiate Women Weightlifting Competition.

A Novel idea titled “KAMPANA-The Vibration Energy Harvesting” presented by Mr.Sagar,Mr.Khader Hafeez,Mr.Arshad, Mr.Prakash,V Sem is selected in Top 100 ideas of KPIT SPARKLE-2023.And bagged 1st Prize in State level Innovation Competition held in Tumakuru.

46 Students from VII Sem have cleared SciLab Course Exam and 32 Students from V Sem have cleared Java Course Exam conducted by IITB spoken Tutorial held on 20/12/2022 and 16/1/2023 respectively.

Ms. Manya M.M., V Sem has secured Silver Medal in under 41 Kg Category in VTU 22nd State Level InterCollegiate Women Weightlifting Competition.

Mr. Praneeth Shetty, III Sem has bagged Gold Medal in under 61 Kg Category in VTU 22nd State Level InterCollegiate Men Weightlifting Competition.

The project titled “Automated Crosswalks for Averting Accidents” presented by Mr. Mahammad Irfan, Ms. Chandrashekhar, Mr. Deepak, Mr. Zulkifl , VIII Sem is selected for ANVESHANA-2021-22.

Placement Details

NAME

COMPANY

Abishek Poojary

BITLAB

Ambaldhage Sudhendr

Tek works

Ashwitha H Y

Palle technologies,

Aslam

Intellipaath

Chaudary Vikash Suresh

BITLAB

Gangadhara

BITLAB

Mahammed Irfan Machapur

Intellipaath ,

Manoj Kumar

TekWorks Enterprise

Meghana

Novigo Solutions

Mohammed Shahabaz

Sterlite

Nibras Rehaman

BITLAB

Nireeksha

Novigo Solutions

Pooja K V

Pace wisdoms,Poornam

Rakshith N S

infotech

Rebeiro Johnson Wilfred

Slk software

Sajna

BITLAB

Shraddha Shetty

INTELLIPATH

Spoorthi

SLK,Sterlite

Vaibhav C

Destination technology

Vandana

BITLAB,Intellipath

Varun

Sterlite Technology Limited

Smithashree SS

Intellipaath

Kaleem

SLK SOFTWARE,Tekworks-

Bitlabs

Palle technology

Intellipaath

BITLAB

Toppers



Naeema Tasneem-IV Sem

Dakshayini Bhaira Naik-VIII Sem

Vishwas T R-VI Sem

