



YENEPOYA INSTITUTE OF TECHNOLOGY

YANTRAMAN

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**Department of Electronics & Communication
Engineering**

H O D

Message

It gives me an immense pleasure to know that the Seventh 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.



Dr. Prasanna Kumar C

(M-Tech, Ph.D, MISTE, IETE)
Head Of Department

VISION

To inspire innovations so as to carve a niche in the 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.



MISION

** 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.*



Editor's MESSAGE

“ Welcome to the 7th Volume, 1st Issue of YANTRAMAN! We are thrilled to unveil the inaugural edition of the ECE Department Magazine, "YANTRAMAN." This magazine provides a unique window into the vibrant tapestry of our department's activities. From showcasing academic accomplishments to highlighting the triumphs in extracurricular pursuits, this newsletter encapsulates the essence of our students' journey.

"YANTRAMAN" is more than just a newsletter; it's a platform that celebrates the diverse talents and achievements of our student body. A heartfelt thank you goes out to all the contributors who have enriched these pages with their insightful articles. We also extend our gratitude to the dedicated members of the editorial board and the talented designers who have played a crucial role in bringing this publication to life. Now, it's time for you to immerse yourselves in the joy of reading this newsletter.

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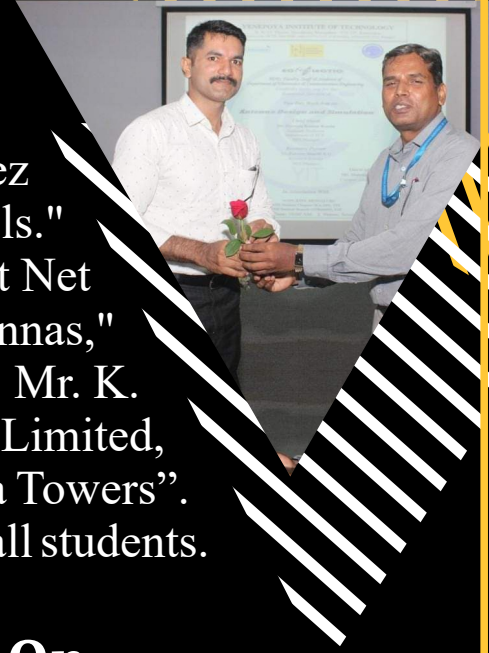
-Mrs.Nazia Abdul Majeed
Staff Co-ordinator
Dept of ECE



DEPARTMENTAL ACTIVITIES

Workshop On “Antenna Design and Simulation”

The Department of Electronics and Communication Engineering organized a two-day workshop on "Antenna Design and Simulation" on August 17th and 18th, 2023. Day 1: Dr. Praveen Kumar Konda from MIT, Manipal, spoke on "Introduction to Antennas," followed by Mr. Parveez Shariff B G on "Antenna Design Simulation Tools." Day 2: Mr. Srikanth Bhat, Director at Manipal Dot Net Private Limited, discussed "Working with Antennas," demonstrating HAM radio with a Dipole Antenna. Mr. K. Ramachandra Bhat from Oshima Systems Private Limited, Mangaluru, presented on "Amateur Radio Antenna Towers". The workshop saw enthusiastic participation from all students.



Workshop On “Full Custom ASIC Design in VLSI using Open-Source Tool”

A workshop on "Full Custom ASIC Design in VLSI using Open-Source Tools" was organized by the Department of Electronics and Communication Engineering at Yenepoya Institute of Technology, Moodbidri, in association with ISTE student chapter and IEEE student branch on October 20th, 2023.

The resource persons Dr. Guruprasad and Mr. Chetan R from SMVITM, Bantakal, explained about the VLSI basics, design flow, and the procedure to design an ASIC from scratch using the open-source tool Electric. This event offered comprehensive skills in VLSI design.



Technical Talk on “Present Trends in Computer Communication and Network Technology”

The ECE Students Association "ECHOLECTIC" was inaugurated on December 15th, 2023, followed by a technical talk on "Present Trends in Computer Communication and Network Technology." Dr. Manjaiah D RUSA, Department of PG Studies and Research in Computer Science, from Mangalore University was the chief guest and resource person. The resource person highlighted the importance of 5G advancements for faster speeds and increased connectivity. He also emphasized the benefits of edge computing in reducing latency and improving efficiency. Students gained valuable knowledge on emerging techniques in Computer Communication and Network.



Technical Talk on “VLSI Insights: Semiconductor Memories, Testing and Career Opportunities”

ECHOLECTIC – ECE Students' Association of Yenepoya Institute of Technology, Moodbidri, along with ISTE Students Chapter and YIT Alumni Association, organized a technical talk on "VLSI Insights: Semiconductor Memories, Testing, and Career Opportunities" on December 30th, 2023.

Mr. Shreyas V Suvarna, Design Engineer at Qualcomm, Bengaluru was the resource person. He discussed the significance of semiconductor memories in modern electronics, covering various types such as SRAM, DRAM, and Flash Memory. It was an interactive session and students gained knowledge on VLSI.

The Faculty Development Program

Five Faculty Development Program on "Internet of Things (IoT): Exploring Applications and Innovations" was held from September 11th to 15th, 2023, at Yenepoya Institute of Technology (YIT). Sponsored by ISTE Karnataka Section and VTU, and organized by the Department of Electronics and Communication Engineering, the FDP was a resounding success, bringing together experts and participants to explore the world of IoT.



The program began with an inauguration ceremony featuring Dr. Niranjana U C, Research and Innovation Director at Manipal Dot Net, Manipal, as the Chief Guest. Dr. Niranjana highlighted the transformative potential of IoT in his keynote address, emphasizing its applications and role in shaping future technology. The FDP included informative sessions, workshops, and discussions led by experts, covering topics such as IoT security, boards and protocols, microcontroller circuits, Internet of Vehicles (IoV), and AI-powered

IoT.

Participants also visited the MAHE ISAC Centre for Excellence for Cybersecurity and Manipal Universal Technology Business Incubator (MUTBI), gaining insights into research and cybersecurity preparedness in IoT.



Faculty

ACHIEVEMENT

Dr. Shashank M. Gowda

- Participated in 6 Days Short Term Training cum Faculty Development Program on “Design Thinking and Problem Solving Approach in Robotics and Drones” from 12-02-2024 to 17-02-2024, organized by CoE Robotics and Drones, CMR Institute of Technology, Bengaluru.
- Attended a One Week AICTE Recognized FDP on “Arduino based system design using TinkerCAD Free Simulator” from 5th to 9th February, 2024, Organized by Electronics and Communication Engineering at NITTTR Chandigarh.
- Participated and Completed Three Day FDP on “Interface of Intellectual Property Rights (IPR) in Academics and Industry” from 6th to 8th of September, 2023, Organized by YIT- KSCST IPR CELL at Yenepoya Institute of Technology, Moodbidri.
- Attended a One Week AICTE Recognized FDP on “OBE and NBA Accreditation” from 7th to 11th August, 2023, Organized by Electronics and Communication Engineering at NITTTR Chandigarh.
- Reviewer of papers submitted to "International Conference on Intelligent Systems in Computing and Communication" (ISCCComm-2023) organized by Mangalore Institute Technology & Engineering, Moodabidri, India on 8th and 9th December, 2023.

Prof. Pavithra S. G.

- Participated in the 10 Hours National Faculty Development Program on “Blockchain Technology” Organized by Ramarao Adik Institute of Technology - D. Y Patil Deemed to be University, Bishop Heber College and SR University in Collaboration with ExcelR Edtech Pvt.Ltd, from 8th Jan to 12th Jan 2024.
- Participated in 10 hrs National FDP on “ChatGPT and Prompt Engineering” organized by Bharati Vidyapeeth College of Engineering - Navi Mumbai, NRI Institute of Technology - Vijayawada and Sreenidhi Institute of Science & Technology – Hyderabad in Collaboration with ExcelR Edtech Pvt. Ltd, from 18th Dec to 22nd Dec 2023.
- Participated in one week National level FDP on “AI Tools and prompt engineering” organized by the Department of CSE, IT of Anil Neerukonda Institute of Technology and Sciences in Association with Braino vision Solutions India Pvt. Ltd from 27th Nov to 2nd Dec 2023.

Prof. Nazia Abdul Majeed

- Participated in the AICTE Recognized Online Faculty Development Programme on Latest Wireless Technologies Conducted by Electronics and Communication Engineering Department from 07/08/2023 to 11/08/2023 (One Week) at NITTTR, Chandigarh.
- Ø All faculties from Department of ECE Participated in the State level five day FDP on “Internet of Things(IoT): Exploring Applications and Innovations” organized by the Department of Electronics and Communication Engineering from 11th to 15th September 2023 held at Yenepoya Institute of Technology, Moodbidri.

Student Achievement

1. Sagar R S , Afeez, Arshad, Bhavan, Prakash participated in Varnothsava held at SMVITM Bantakal, Udupi on 27th Dec 2023 and bagged 1st place in Robo Soccer.
2. Sagar R S, Bhavan, Prakash participated in PLASMA- State level technical Symposium at JNNCE, Shimoga. They bagged 1st, 2nd and 3rd place in Robo Sumo and 1st & 2nd place in Robo Soccer and 2nd place in Robo Race
- 3.. Afeez, Arshad, Bhavan, Sagar R S, Prakash bagged 2nd place in Soccer Bots in the event CODEMEET held on 28th Oct 2023 at Srinivas University, Institute of Engineering & Technology, Mukka.
4. Manya M M Secured Bronze Medal under 49 kg category in VTU State Level Weight lifting competition held at Vemana Institute of technology, Bangalore for academic year 2023-24
5. Sagar, Bhavan, Prakash, Khader Afeez, Mohammed Arshad bagged runner's up trophy in Robo Soccer Competition held at Sr Ramakrishna Engineering College, Coimbatore on 15th February 2024 as a part of National Level Robot Technical Hunt 2K24 winning a Cash prize of Rs. 10000
6. Mr. Sagar, Mr. Khader Afeez and Mr. Anush for won second prize in Emerge IDEATHON 2024, an Unique Innovation Pitching Event organized by IFIA Bharat and Section Infin-8 Foundation (SI-8), Emerge 2024 - under the banner of Tapasya Beach Festival from 16th – 18th February, 2024 for the Novel Idea presented on topic: "Prayaschitta- A smart portable solar desalination system"
7. Praneeth Shetty Secured Gold Medal under 61 kg category in VTU State Level Weight lifting competition held at Vemana Institute of technology on 1st September 2023.
8. Aiswarya Gt, Syed Mustaqeem, Sheik Nasir, and Bilal Khan From 5th Sem ECE have secured First Prize In the Line Follower competition held At Canara College Of Engineering, Benjanapadavu, Bantwal .
9. Nithya, 3rd Sem Secured Bronze Medal under 81 kg category in VTU State Level Weight lifting competition held at Vemana Institute of technology, Bangalore on 1st September 2023.

Placement Details

NAME

COMPANY

JESHIN BABU

CODEYOUNG

Cape Electric Private Limited

MUARRAF ILYAS

Palle Technologies

Technologics

MUHAMMAD SHAADAB M

Destination Technologies

Intellipaat Software

NAEEMA THASNEEM

Destination Technologies

Rinex Technologies

NAVYA GANAPATHI NAIK

Palle Technologies

A1 Fence Products Company Pvt. Ltd.

PRAKASH JASON LOBO

Cape Electric Private Limited

SAVI S CHOWTA

Destination Technologies

SUSHRUTHA K T

Capital Via

Cape Electric Private Limited

SYED FAHEEM

X-workZ

VAISHNAVI C

Palle Technologies

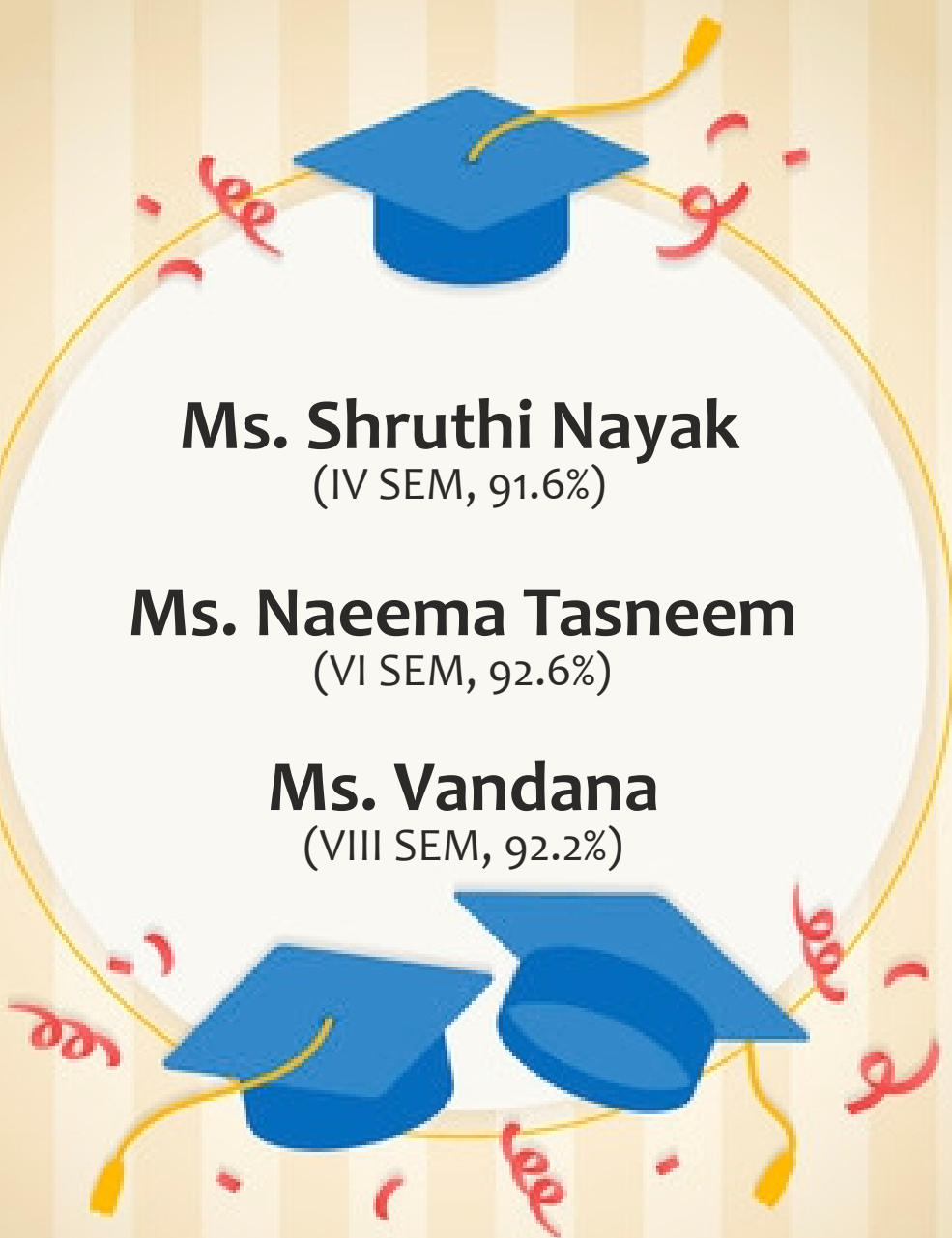
Cape Electric Private Limited

VIDYA M SANK

Palle Technologies

X-workZ

TOPPERS



Ms. Shruthi Nayak
(IV SEM, 91.6%)

Ms. Naeema Tasneem
(VI SEM, 92.6%)

Ms. Vandana
(VIII SEM, 92.2%)