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YENEPOYA INSTITUTE OF TECHNOLOGY  
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YENEPOYA  
INSTITUTE OF TECHNOLOGY

# YENEPOYA INSTITUTE OF TECHNOLOGY

NEWS BULLETIN

# YANTRAMAN

MARCH 2022 - AUGUST 2022



# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## *VISION*

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 training the students in present technologies to meet industrial as well as social needs.

## *MISSION*

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.

## *PROGRAM EDUCATION OBJECTIVES*

- Excel in professional career and higher education by acquiring required up-to-date knowledge in the area of Electronics and Communication Engineering
- Analyse real-life problems, and design appropriate systems to provide a solution that is technically sound, economically feasible, and socially acceptable.
- Exhibit professionalism, ethical attitude, communication skills, teamwork in their profession and adapt to current trends by engaging in lifelong learning.

# HOD MESSAGE

Prof. Gangadhara  
Head of the Department



**"To an optimist, glass is half full, To a pessimist is half empty To an engineer it is twice as big as it needs to be"**

It gives me great pleasure to congratulate students, faculty and staff members of ECE department for the publication of newsletter. This newsletter believed to be a focus of internal activities of the department. It highlights the academics, student and faculty achievements. It also summarizes the technical and non-technical activities conducted as well as participated by the department. This motivates students and faculty to share their views, ideas towards overall development of the department.

Wide spectrum of articles gives us the sense of pride that our students and faculties possess creative potential and unique thinking in ample measures. I applaud the contributors for the simulated thoughts and varied hues in the articles contributed by them. I extend my thanks to Management, principal and the editorial team.

# ***EDITORIAL BOARD***

Dear Readers,

Welcome to the 5th Volume, 2nd 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  
Editor.

## ***STUDENT COORDINATOR***

- Mr. Abdul Mufeed -VI Sem
- Ms. Savi S Chowta- IV Sem
- Ms. Hitha S Chowta-IV Sem
- Mr. Sagar R S - IV Sem



# DEPARTMENTAL ACTIVITIES

## Technical talk on "Career Opportunities in VLSI and Embedded Systems Industry"



A technical talk on was organized for the pre-final year and final year students on 1st June 2022 in YIT. Mr. Arun John Mathias, Manager, CoreEL Technologies Pvt, Ltd, Bengaluru was the resource person for the technical talk. A total of 83 students participated and gained sound knowledge about the embedded system and industry.

The resource person provided some insights about various positions in VLSI Industry like RTL Design, Design Verification, Layout Design, Synthesis, STA, Physical Design, and how to prepare the students to get into these dream job positions.



# WORKSHOP ON "VLSI DESIGN AND EMBEDDED SYSTEMS"



Inauguration of one day technical workshop on "VLSI Design and Embedded Systems" was held on 2nd June 2022 at Yenepoya Institute of Technology. The workshop was organized in association with ECE Students Association, ECHOLECTIC and ISTE student chapter, YIT, KA-109. Mr. Arun John Mathias, manager-Sandeepani, CoreEL, Technologies Pvt. Ltd, Bengaluru, was the resource person. The principal of Yenepoya Institute of Technology was present for the inauguration. The workshop was organised for final sem students. The hands-on session of the workshop was conducted in Central Computer Centre Lab. Yenepoya Institute of Technology. Participants learned about-Introduction to Xilinx FPGA/ SoC flow and had a hands-on session on FPGA design flow using Vivado.



# RPA: Robotic Process Automation

A technical talk was organized for the pre-final year and final year students on 05th May 2022. The resource person for the technical talk was Mrs. Vanditha, Senior Consultant, S & P Global, Bengaluru.

A total of 105 students participated in the technical talk and gained sound knowledge about Robotic Process Automation.

In the technical talk resource person emphasized the importance of RPA: Robotic Process Automation and "Automation is cool, but it becomes awesome when you know the right way to use it". Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate human actions interacting with digital systems and software.





## MNC Job Opportunities in Core Domain for ECE

*A Technical talk was organized for the pre-final year and final year students on 17th June 2022 in Seminal Hall, YIT. The resource person for the technical talk was Mr. Sachin Prabhu, Founder & Director, of Manipal Edu-Care, Manipal.*

*A total of 83 students participated in the technical talk and gained sound knowledge about MNC Job Opportunities in the Core Domain of ECE.*

*Working in the core industry is the dream of any engineering student. 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 a practical approach. The industry expects engineers to be acquainted with the knowledge of Embedded C programming.*

*The resource person provided some insights about various positions in Embedded System Industry, embedded system engineering, embedded design, and test engineering, and how to prepare the students to get into these dream job positions.*



# ICFEST-2022

The 2nd International Conference on Frontiers in Engineering Science and Technology was organized by Yenepoya Institute of Technology on 27th May 2022. The main objective of the conference was to provide an opportunity for exchange of ideas and dissemination of information and to provide a platform for

gathering of scientists, leading engineers, industry experts, research scholars, and advanced student learners to focus on new advances and research results in the field of Electronics and Communication Engineering. Dr. Shankar B. B. Associate professor in the Department of Electronics and Communication Engineering at NMAM Institute of Technology, Nitte was the chairperson of the International Conference for Electronics and Communication Engineering Department. There were a total of 20 teams who had submitted their paper for presentation and publication. Out of the 20 teams, 5 were external teams from various neighboring colleges.



# YENMANTHAN '22



All the engineering departments of Yenepoya Institute Technology organized Final Year Project Exhibition/ Competition “YenManthan ‘22” on 28/05/2022 in association with the department’s students association and ISTE Students Chapter (KA-109), YIT. The major objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year either as Industry Defined Problems or User Defined Problems and provide an opportunity for the students to demonstrate their learning experience. The outcome of the “YenManthan ‘22” was that the students were able to show their project at a higher level and in the process boosted their self-confidence of the students.





The department-wise inaugural ceremony was done by evaluators from various esteemed institutions. A total of 78 project teams competed out of which 14 teams actively participated from ECE Department. The projects from the Department of Electronics and Communication Engineering were evaluated by Dr. Shankar B B, Associate Professor, ECE, NMAMIT, Nitte.

# YENSPLASH -2K22



YENSPLASH 2K22, a 3 Day Technical and Cultural Fest was held at Yenepoya Institute of Technology on 2nd July 2022. It was inaugurated by Tulu film actor Arjun Kapikad and Principal of the college Dr.R.G. D'Souza . Arjun Kapikad wished all the best for the program and hoped for everyone's support for his new movie 'Abatara'. Principal Dr. R.G. D'Souza said that cultural programs will help in maintaining communal harmony and this two-day long technical and cultural festival will reveal the talent embedded in the students.



# YENSPLASH -2K22



Many ECE Students participated in various events and bagged prizes:

- Dakshayini and Venkatesh C., final year have bagged 2nd Place in Debate.
- Chaudary Vikas, III year has won 1st place in 3D modeling and 2nd place in Line follower.
- Sushanth, III year has bagged 1st prize in Line follower Event.
- Pavan Kumar, III year has bagged place in BGMI event.
- Meghana and Smithashree , III year have won 2nd place in Rangoli.
- Jeshin Babu , 2nd year ECE has won 1st prize in extempore.
- Mohammed Sinofer has bagged 1st prize in Duet Singing.
- Sushrutha K. T. bagged 2nd Place in Group dance.
- Sushrutha K. T., Thomson P . Shinoj, Sudeep M.C., Sagar R.S. won 1st prize in Short Film.
- Sushrutha K.T., bagged 1st Place in 100 mtr race, 200 mtr race, Discuss throw , 2nd prize in shotput and 4x100 relay.



# FACULTY ACHEIVEMENT

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 2022 at The Ocean Perl, Mangalore, Karnataka.
2. Invited as a Resource Person for a Technical Talk on "3D Printing and Its Applications" for pre-final year Diploma students in Mechanical Engineering students on 25th of July 2022 at KPT, Mangalore.
3. Participated in One Day Workshop on "Publication Tools for Scholarly Publishing" organized by Central Library, YIT on 25th June 2022 at Yenepoya Institute of Technology, Moodbidri.
4. Invited as a Resource Person for Technical Talk on "Additive Manufacturing and Its Applications" for the pre-final and final year.
5. Conducted a 3-day Hands-on Workshop as a resource person on "Simulation, Schematic Capture and PCB Design of Electronic Circuits" for second-year students from 21st-23rd of March 2022.
6. Completed successfully a 3-day Hands-on workshop on "PCB Design" from 16th-18th Feb 2022, organized by the Department of EEE.



# FACULTY ACHEIVEMENT

- Mr. Gangadhara have attended one day workshop on "Publication Tools for Scholarly Publishing" organized by ISTE Faculty Chapter at Yenepoya Institute of Technology.
- Mrs. Nazia A.M. have attended one day workshop on "Publication Tools for Scholarly Publishing" organized by ISTE Faculty Chapter at Yenepoya Institute of Technology.
- Ms. Rebecca Fernandes has participated in the event on "New Learning Methodologies in Engineering and Medical Education: Role of Faculties and Librarians" organized by IEEE, BESCO on 10th August 2022 at The Ocean Perl, Mangalore, Karnataka.
- Mr. S.V. Prasad granted with Australian Patent titled "A Method for Designing High Speed Vdic Floating Point Multiplier ", on 1st June 2022. Patent No: 2021104724



# STUDENTS ACHEIVEMENT



- VENKATESH C and SURAJ, 4th Year ECE students participated and bagged 2nd place in PLASMA, a National Level Technical Symposium held at JNN College of Engineering, Shivamogga from 30 th to 31st May 2022.
- "Naeema Thasneem, Khader Afeez Addur, Muarraf lilyas Mukkachery, Manya M M, Sagar R S, Syed Faheem, Jeshin Babu, Muhammed Sha Adab Malikantakath, Veekshitha", 3rd year ECE students cleared Microsoft certification exam.
- Project entitled "Gesture Controlled advanced wheelchair for Physically Challenged" by project team Karthik B.K., Abhishek, Abhijna, and English has been selected for the 45th series of KSCST-SPP- 2021-22 State Level Seminar and Exhibition on 12th and 13th August 2022 at Visvesvaraya Technological University (VTU), Belagavi.



# STUDENTS ACHIEVEMENT



- Students of Electronics and Communication Engineering participated in Incridea'22, a national-level techno-cultural fest of NMAM Institute of Technology, Nitte, held on 13th May 2022, and have won prizes in the following Competitions.
- Vandana K Acharya, Nireeksha, and Rakshitha Shetty of 3rd year participated in the Rangoli competition and secured 1st place.
- Sushanth Nayak and Raviraj Nayak of the third year participated and secured first place in Electricuit IT.
- Jasin Babu of second year has secured first place in Extempore.
- Chaudary Vikas Suresh secured first place in the 3D Modelling competition.
- Dakshayini and Venkatesh of the fourth year participated and secured second place in the Debate competition.
- Ishwarya GT of the first year participated and secured first place in the Rangoli competition.
- Meghana and Smithashree of third year secured second place in the Rangoli competition.
- Pavan Kumar of third year has secured first place in BGMI competition.

# PLACEMENT DETAILS

## NAME

## COMPANY

ABHIJNA	PENTAGON SPACE PVT LTD
AFRA BANU	TCS
AKASH	PALLE TECHNOLOGIES,EVERI
AMRITHAPRIYA	PARK CONTROL SYSTEMS, EXPLEO
AVIN A V	INFOSYS,PALLE TECHNOLOGIES
Avinash V	WIPRO, CAPGEMINI
Chaithra L.S.	QSPIDERS, FACEPREP
DAKSHAYINI BHAIRA NAIK	SASKEN
Deekshith B P	WIPRO
DIVYASHREE T	HCL TECHNOLOGIES
Fiza	Birlasoft
Harshitha	INFOSYS, WIPRO
HASEENA	KARMIC SEMICONDUCTOR
KARTHIK B K	PENTAGON SPACE PVT LTD
Mahammed Ibrahim	WIPRO,PALLE TECHNOLOGIES
MANJUNATHA	PALLE TECHNOLOGIES,WIPRO
MOHAMMAD HAFEEL B	PALLE TECHNOLOGIES,Park Controls and Communications, ONWARD TECHNOLOGIES TECHNOLOGICS
MOHAMMAD SHAREEF	SSI PEOPLE
MOHMD IBRAHIM	ONWARD TECHNOLOGIES
Nikhath Fathima	PALLE TECHNOLOGIES, EXPLEO
Nisha	BirlaSoft
Prasad	QSPIDERS
Prathijna Hegde	WIPRO, CAPGEMINI
PRATHVI S P	Expleo
PRIYA MESTA	PARK CONTROL SYSTEMS

# PLACEMENT DETAILS

## NAME

PUNITH

Safa Maryam Anwar

SHILPA

Shridevi

Spoorthi J

sudarshan.s

SUMANTH R BHAT

SUPREETH

Suraj

SUSHMITHA

VARUN SHETTY

Venkatesh C

YOGEESH

Fiza

Mohmd Kasim

## COMPANY

TCS

RINEX TECHNOLOGIES, QSPIDERS

PARK CONTROL SYSTEMS, WIPRO

Capgemini

INFOSYS

QSPIDERS, WIPRO

SLK SOFTWARE, INFOSYS, WIPRO

PROFINCH, WIPRO

Capgemini

MINDTREE

PROFINCH, ONWARD TECHNOLOGIES,

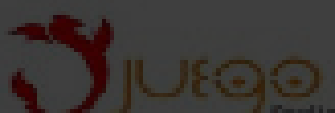
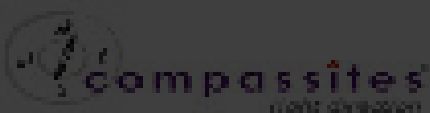
WIPRO

TCS

TECH MAHINDRA

BOSCH

Accord





# TOPPERS

- Dakshayini Bhaira Nayak- VII Sem - 86%
- Nireeksha - V Sem- 85.5%
- Naeema Tasneem -III Sem- 88.2%