

PES Institute of Technology & Management, Shivamogga



Volume 8, Issue 1

Newsletter



“PESITRONICS”

Imagination Becomes Reality

Department of
Electronics & Communication Engineering

VISION

To be a leading centre of excellence in the field of electronics and communication engineering for learning and research with professional ethics.

MISSION

M1: To provide quality technical education for students to develop into globally competent professionals.

M2: To develop a framework for collaboration and multidisciplinary activities to ensure ethical and value based education to address social needs.



Program Educational Objectives (PEO)

- PEO 1:** To develop the ability among students to understand the concept of core subjects.
- PEO2:** To give exposure to emerging technologies, adequate training and opportunities to work as team on multidisciplinary projects with effective communication skills.
- PEO3:** To cultivate ethical practices in Professional, Societal & Environmental needs by engaging in life-long learning.

Program Specific Outcomes (PSOs)

- PEO 1:** Analyse and design analog & digital circuits or systems for a given specification and function.
- PEO2:** Implement functional blocks of hardware-software co-designs for signal processing and communication applications.

STUDENTS ACTIVITIES/ACHIEVEMENTS

- **Nine students** and **one staff** successfully completed NPTEL certification during Oct-Nov 2024.
- **Other achievements :**

SL NO	NAME	EVENT	DATE	Participation/Position
01	Tejas B V Sumukha S Nadig Shrigandha S Nishanth M Sindhe	Publication of Paper Titled "Sustainable and Intelligent Parking System" , published in IJSREM Journal	12-12-2024	Published
02	Sunil M Pruthvi G Aradhyamath Pavani G Chethan Karegowda Anusha R	Participated in Poster Presentation in "AIKYA 2024" , East Point College of Engineering & Technology	12-10-2024	Participated
03	Sushmitha Suresh Hegde	Presented Research Paper titled "AI – Powered Network Intrusion Detection System" at the International Conference on Artificial Intelligence(ICAI) held in Udupi	16-11-2024	Participated
04	Tarun J Kirana G Y Keerthana M Nischal S	Presented Research Paper titled "AI – Powered Network Intrusion Detection System" at the International Conference on Artificial Intelligence(ICAI) held in Udupi	16-11-2024	Published
05	Bhoomika G	Participated in "A state Level Technical Symposium – MYSTERIO 4.0" held at JNNCE, Shivamogga	28-05-2024 to 29-05-2024	Participated
06	Abhishek Reddy Y	Completed "Cadence Training Course System Verilog for Design and Verification v21.10" Cadence	14-11-2024	Course Completion
07	Sushmitha Suresh Hegde	Completed "VLSI System On Chip Design - Overview" , MAVEN Silicon Centre of Excellence in VLSI	12-12-2024	Course Completion

PLACEMENT OF STUDENTS



EMMVEE PHOTOVOLTAIC PVT LTD



VISHWAS V S



HARSHITHA D S



KIRAN KARIGAR



KARTHIK



KANNIKA



DEEKSITH



YASHWANTH D



SHARATH G S



LAVANYA



SHASHANK S



BHOOMIKA



SHASHANK N P



VAISHNAVI O



KRUTHIKA



CHANDANA B H



BHARATH



ANKITHA B C



SHRIGANDHA



SADHANA



MANOJ



AISHWARYA M T



NAYANA S



PRIYA Y S



SRINIVAS



YASHWANTH T



SHREYA R



PRAVEEN T R



PRIYA B G



DEEPAK



BHUVANA



VISMITHA



KIRANA



CHINMAY



SHASHANK D



HARSHA



NAYANA H K



ANANYA S R



DEEKSHA



ATHMEEYA



PADMINI



LASYA HEGDE



MOHAMMED AYYAN



MANOJ KUMAR



MRUTYUNJAYA



JESMIN JOSEPH



TARUN Y M



RAKSHITHA



MYTREYEE



AKSHAY PATEL



NAGARAJ



KEERTHANA



MEGHA



DHRUVA KUMAR



BHAVANA



DARSHAN B



APEKSHA



ABHISHEK S



ARUN



ALMAS



KEDAR PANDITH



NISHU B R



ABHISHEK REDDY



MAKSUD



ABHISHEK GOWDA



AKASH C



TARUN GOWDA



MOHAMMED BILAL



KAVANA



KISHAN MANDRE



TEJAS B V



SUMUKHA



HEMANTH



GOPICHAND



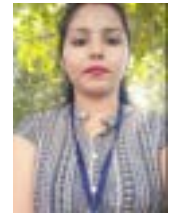
MOULYA R



SANJANA



LATISH PATIL



SAHANA



PRAVEEN T R



NISARGA



PUNITH H D



IRAM ZEHRA



LAIBA KOUNAIN



T S SAMARTH

INDUSTRIAL VISIT

For 5th Semester Students To **Kgtti And Kaynes Technology**, Mysuru
(09/12/2024 & 10/12/2024)

A batch of 98 Students of 5th semester from Department of Electronics & Communication Engineering along with 4 Faculty members visited Kaynes Technology, Unit-2 at Hebbal Industrial Area and Karnataka German Technical Training Institute (KGTI), Mysuru.

The visit to KGTI focused on different courses available at KGTI so that the students can utilize the opportunity of getting hands-on training on such courses.

This visit to Kaynes Technology mainly focused on to understand Conceptual Design, Process Engineering, Integrated Manufacturing and Life Cycle Support for major players in the Automotive, Aerospace and Medical. Apart from products required for various industry segments, Kaynes undertakes conceptual design, manufacture and testing of high reliability PCBAs, Box Build, Products and Systems Integration Services, Military Wire/Cable Harness for Defence and Aerospace Electronics and all other segments of Industry. Students were exposed to PCB design and gained the knowledge regarding maintenance of equipment and ethics considered during fabrication and programming.



KAYNES TECHNOLOGY, MYSURU



ACTIVITIES AS A PART OF SOCIAL CONNECT AND RESPONSIBILITY

'Heritage Walk' to Eshwara Vana,
Abbalagere, Shikaripura Taluk,
Shivamogga

'Food Walk' organised by 3rd
Semester Students of Dept of ECE



STUDENT DEVELOPMENT PROGRAM

Department of Electronics and Communication Engineering organized

01. A three day workshop for 5th Semester students on **"Circuit and System Simulation"** from 19th to 21st September 2024. Resource persons for the same were
- i. Prof. Sharanabasaveshwra H B , Jain Institute of Technology, Davanagere.
 - ii. Rushikesh Garkal, JSPM University, Pune.
 - iii. Dr. Saba Fathima, JSPM University, Pune.



Delegates with the co-ordinators of SDP



Glimpses of the SDP Program

02. A one day workshop for 3rd semester students on **“Building Your First Android App- A Beginner’s Guide”** on 27th September 2024. Resource person for the same was Sreerama Samartha J G, Assistant Professor, Dept of ECE, Canara College of Engineering, Mangaluru



Students build own **Android App**



3. One Day workshop for 3rd semester students on **“Circuit Simulation using Circuitlib.Com”** on 29-11-2024. Resource person for the same was **Dr. Manjunath H M, Assistant Professor**, Dept of ECE, Bapuji Institute of Technology, Davanagere.



Dr. Manjunath addressing the students



Resource person addressing the students

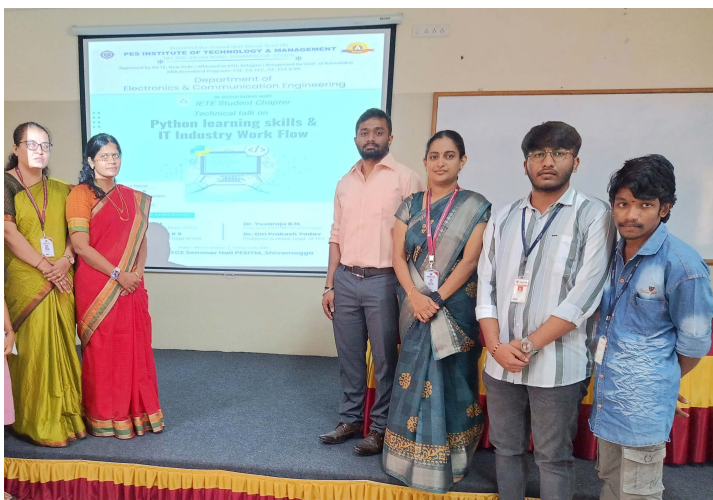
TECHNICAL TALK

TECHNICAL TALK

The Department of Electronics and Communication Engineering organised a Technical talk on **"Python Learning Skills"** on 4th October, 2024. The resource person was Mr. Karthik M, Senior Software Engineer, Sorocco India, Bengaluru. The session also included a talk on **"Challenges in Cyber Security"** on 4th October 2024. The resource person for the Technical Talk was Mr. Aditya, Technical Lead, Code Factory, Bengaluru.



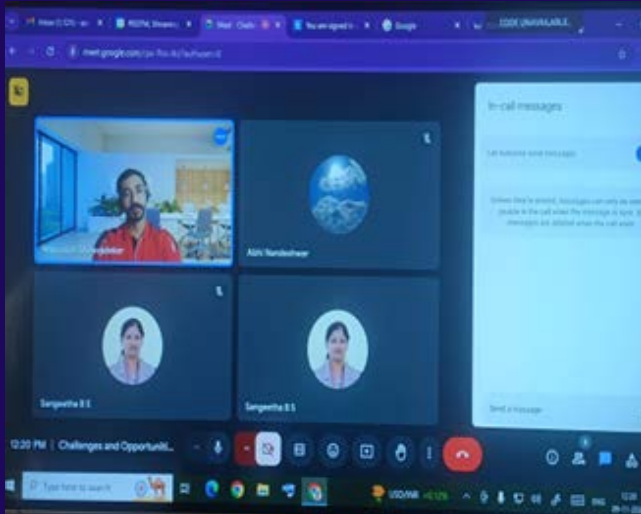
Resource persons **Mr. Karthik** and **Mr. Aditya** sharing insights on the topic



Technical talk moment with delegates and coordinators



"Essential Employability Skills for Engineers" on 24/10/2024. The resource person were **Mr. Krishnamurthy T P**, Assistant Manager, KGTTI, Mysuru and **Mr. Chandrashekar P**, Engineer, KGTTI, Mysuru



4. Webinar series on 'Career Gateway' conducted for 7th semester students to provide with valuable insights into the various career opportunities in the various fields. It also offered them practical advice on how to enhance their employability and navigate their career paths. The resource persons for the same were

- Mr. Uday Babar, Senior Layout Designer, Synopsis India Pvt Ltd
- Mayuresh Shiravadekar, Senior Test Analyst at BNP Paribas Chennai, Tamil Nadu, India
- Abhi Nandeshwar, Software Engineer at TCS
- Mrs. Rashmi T S, ASIC Design Engineer, Maxlinear Inc

ACTIVITIES/ACHIEVEMENTS OF FACULTIES

Paper Published by faculty in International Journals

- i. **SCOPUS** indexed journal on Radioelectronics and Communications Systems by **Dr. Om Prakash Yadav**, titled 'Transformative Advancements in Fetal Cardiac Health through BILSTM Networks for FPCG Classification'
- ii. **Mrs. Shyamala S C.** published a paper on "Futuristic Smart AI Powered Backpack" in i-manager's Journal on Artificial Intelligence & Machine Learning
- iii. **Mrs. Kavya M. P., Mrs. Sangeetha B. S., Ms Lavanya R, Ms. Srilakshmi Nayaka** published a paper in International Journal of Scientific Research in Engineering and Management (IJSREM)



Conferences attended by faculty

- i. **Dr. Madhavi Mallam** attended an International Conference on Computational Intelligence for Green and Sustainable Technologies (ICIGST) 2024 and presented a paper on Intelligent Fault Detection and Shading Analysis in Photovoltaic Arrays: A Fuzzy Logic Approach for Enhanced Performance and Reliability Acceleration (DOI: 10.1109/ICIGST60741.2024.10717520)
- ii. **Dr. Madhavi Mallam** attended an International Conference on Computational Intelligence for Green and Sustainable Technologies (ICIGST) 2024 and presented a paper on Stock Market Price Prediction using Machine Learning (DOI: 10.1109/ICAIT61638.2024.10690737)
- iii. **Dr. Madhavi Mallam, Dr. Narayanswamy G, Mrs. Adithi M, Mrs. Malashree K S** attended an Fourth IEEE International Conference on "Multimedia Processing, Communications and Information Technology" – MPCIT 2024 and presented a paper on Improvements in Fraud Prevention using Machine Learning [PID:185]
- iv. **Ms. Srilakshmi Nayaka** attended an International Conference on Artificial Intelligence and presented a paper on AI-powered Network Intrusion Detection System

SPORTS ACTIVITIES AND ACHIEVEMENTS

Priya B. G. and **Nayana D. V.** participated in "**VTU Central Karnataka**", Division Inter Collegiate Throwball Women Tournament Competition, held at SIET, Tumakuru and were the runners up of the tournament.



A PROUD MOMENT

Students from PES Institute of Technology and Management, Shivamogga, clinch second place in girls' throwball tournament

ETHNIC-DAY CELEBRATIONS AT ECE DEPARTMENT:

The students' forum of ECE department celebrated "**ETHNIC-DAY**" on 6th December 2024 with the theme titled "**COLOURS OF INDIA - ANDHRA PRADESH**".



FORUM ACTIVITIES

The Department of ECE conducted various activities under the department forum.



INVITATION FOR NEWSLETTER ARTICLES

We are pleased to invite everybody to send their articles for future editions that can fit in the following structure.

- News items and announcements.
- Short, topical, news-oriented technical/ non-technical topics.
- Paintings, sketches, comics, poems, dag-writings, short stories etc.
- Major and minor technical articles are also accepted.
- Jokes, Punch dialogues and quotes of your own could be included.
- All of the above said matters could be in English or Kannada formats.

Patron

Dr. Yuvaraju B. N.

Principal, PESITM

Editorial Team

Dr. Om Prakash Yadav

HoD, Dept of ECE, PESITM (Chief Editor)

Mrs. Adithi M

Asst. Professor, Dept. of ECE, PESITM

Ms. Rakshitha M (3rd Sem, ECE)

Ms. Harishree (5th Sem ECE)

Mr. Nischal S (7th Sem, ECE)

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