

Electronics & Communication Engineering News Letter



Imagination Becomes Reality

PES Institute of Technology & Management, Shivamogga

Affiliated to AICTE, ISO 9001 2015 Certified Institute, NH-206, Sagar road, Shivamogga-577204.

Vision

To be a leading center 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.

Quality Policy

Our Quality Policy is to develop highly skilled human resources with the ability to adapt to an intellectually and technologically changing environment with the participative efforts of the management, staff, students and parents.

PESITM is committed to comply with ISO 9001 :2015 requirements and continually improve the quality of services and quality Management System.

Program Educational Objectives (PEO)

Electronics & Communication Engineering is a branch of engineering that incorporates skills and expertise needed in the industries.

Bachelor's program in Electronics & Communication Engineering is aimed at preparing graduates who will.

PEO 1: To develop the ability among students to understand the concept of core subjects.

PEO2: To give exposures 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)

ECE graduates will be able to:

PSO1. Analyze and design analog & digital circuits or systems for a given specification and function.

PSO2. Implement functional blocks of hardware-software co-designs for signal processing and communication applications.

Dept. of Electronics and Communication Engineering became functional with the establishment of the institute in the year 2007. Being the core branch in Engineering, it has a lot of potential in various Sectors such as Telecommunication, IT, Low power VLSI Design, Embedded system & Robotics, and Manufacturing & Testing. The current intake for UG Program is 120. Dept. of E&CE has highly skilled faculties, well equipped with latest laboratory equipments & industrial software's like CADENCE, MATLAB, Xilinx and more. Department has conducted and organized National Conference, workshops and technical talks related to the current trends and technology. Staff and Students of E&CE have involved with several research/ curricular and co-curricular activities throughout the semesters and academic year, the PESITRONICS newsletter brings you the foretaste of all the activities in the E&CE Department.

Academics

8th Semester Toppers

USN	Name	Percentage
4PM17EC064	PRAGATHI P PAI	94.14%
4PM17EC049	MOUNAVI B	92.71%
4PM17EC058	NIDHI A M	91.86%
4PM17EC039	KRUTHIKA D REVANKAR	91.57%
4PM17EC074	SABA KAUSAR	91.57%
4PM17EC076	SANDEEP C M	91.43%
4PM17EC067	PRATHEEKA K HOBALIDAR	91.28%
4PM17EC048	MONIKA J L	90.86%
4PM17EC044	MEGHANA G H	90.71%
4PM17EC033	HEMANTH RAHUL E L	90.14%

Patents Filed

- Dr. Devananda S N published patent titled “Women Safety using Intelligence of Things”.
- Mr. MahendraNaik S N published patent titled “A System and Method For Mining Traffic Patterns of IoT Devices In Edge Networks”.

Papers Published

1. Mrs Shyamala S C published a paper titled “TIME COMPLEXITY BASED INTELLIGENT TRAFFIC SYSTEM USING IMAGE PROCESSING” in GIS Science journal, Volume 8, Issue 7, July 2021.ISSN NO:1869-9391.
2. Mrs Rashmi T S published a paper titled “Protection of crops from Animals using Image Processing and PIC microcontroller” in GIS Science journal, Volume 8, Issue 7, July 2021.ISSN NO:1869-9391.
3. Mr. Vishnu V M published a paper titled “UNDERGROUND CABLE FAULT DETECTION USING IoT” IRJETS, July 2021. e-ISSN:2582-5208.
4. Mrs Shymala S C published a paper titled “PREDICTION AND DIAGNOSIS OF COVID-19 USING MACHINE LEARNING ALGORITHMS” in International Journal of Progressive Research in Science and Engineering. ISSN(Online): 2582-7898.
5. Mr. Yogeeshapublished a paper titled “COVID-19 Social Distance Violation and Face Mask Detection in Workplaces” in IJRASET, Volume 9, Issue VII, July 2021. ISSN-NO:2321-9553.
6. Mr. Pramod V Rampur” has published a paper entitled “DESIGN OF 1X2 MICROSTRIP ARRAY WITH HIGH ISOLATION” in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 3, Issue 7, July 2021.e-ISSN: 2582-5208.
7. Mr. Prashanth S B has published a paper titled “An Energy Efficient Routing Approach for Industrial IoTNetworks”inIJSRD,Vol. 9, Issue 5, 2021 | ISSN (online): 2321-0613.
8. Mr. Shivaprasad B K has published a paper titled “Design And Implementation Of Automatic Feeder And AeratorSystems For Fish Farming” in IRJETS,Volume:03/Issue:07/July-2021. e-ISSN: 2582-5208.
9. Mrs. YojanaYadav has published a paper titled “Brain Tumor Detection Using Machine Learning Approach” in IRJETS,Volume:03/Issue:07/July-2021. e-ISSN: 2582-5208.
10. Mr. HanumanthappaMagalada has published paper titled “Reconfigurable Antenna for Energy Saving inAutonomous System” in © 2021 JETIR August 2021, Volume 8, Issue 8.(ISSN-2349-5162).
11. Mr. HanumanthappaMagalada has published paper titled “Design of Microstrip Patch Antenna for L5 and S band Application.” in © 2021 JETIR August 2021, Volume 8, Issue 8.(ISSN-2349-5162).
12. Dr. Devananda S.N has published a paper titled “Plant Disease Detection Using Intelligence of Things”Annals of R.S.C.B., ISSN: 1583-6258, Vol. 25, Issue 5, 2021, Pages. 4604 – 4609.
13. Mr. Kunjan D ShindePublished a paper entitled “Low Cost IoT Based Smart Health Monitoring with Medicine Dispenser and User Friendly Alert System for Elderly People” in IJAREEIE, Volume 10, Issue 8, August 2021.e-ISSN:2278-8875.

Mini Project Exhibition by 6th Semester Students on 12th Aug 2021

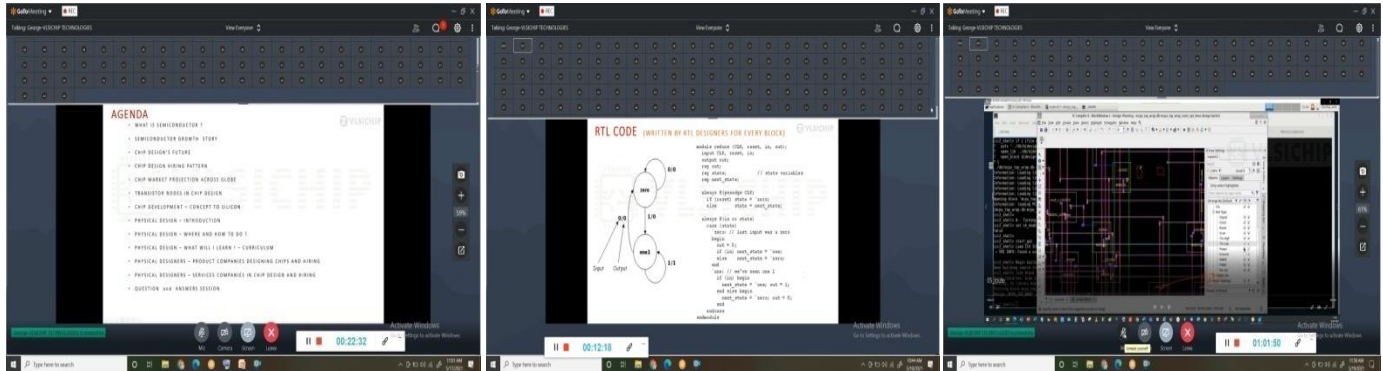


(Dr. Chaitanya Kumar M V, Principal, PESITM, Dr. Devananda S N, HOD, E&CE, Interacting with 6th Sem E&CE students during Mini project Exhibition)

Highlights of mini projects: The following list of mini projects was appreciated and was found to have potential for future research and development,

- Bidirectional visitor counter using IR sensor and Arduino
- Arduino based Women safety alerting device
- Smart Home Security System with automatic phone calling using Arduino & IOT.
- Smart Blind Stick
- IOT based Monitoring of underpass water logging system.

Three-day Student Development Program webinar on “Semiconductor Physical Design”



The 3-day SDP webinar on “Semiconductor Physical Design” started on 17th May 2021 with the inaugural session at 10.30AM, Mrs. Yojana Yadav welcomed the dignitaries, resource person and participants to the activity. Dr. Devananda S N, HOD, E&CE welcomed the resource persons and addressed the participants on the impact of industrial based knowledge crafting for core company placements. Mr. Kunjan D. Shinde, Coordinator briefed on the usefulness of the webinar being hosted and gave the layout of 3-day webinar activity while motivating the students for the core company. Resource person Mr. George Jacob, addressed the students on the need of industrial skills to be cultivated and upgrading the knowledge learnt. Dr. Chaitanya Kumar M V, Principal, gave the presidential remarks and congratulated the department for hosting the industry interaction webinar and addressed the students on the importance of VLSI chip design. The inaugural function ended with vote of thanks by Mrs. Yojana Yadav. 200+ prefinal and Final year Students of E&CE and EEE attended the SDP.

Various online activities at the department

PIC WITH GREEN



COOKING WITH FAMILY



CRAZY SELFIE WITH PETS



PHOTOGRAPHY



Ethnic Day Celebration in the Department





Pencil Sketching





Our Students Our Pride

Placed Students List of AY 2020-21

Sl. No	Name	USN	Sem	Company placed
1.	AMOGHA HEGDE M N	4PM16EC006	7	ELCAMINO
2.	CHEZHAN	4PM16EC016	7	ELCAMINO
3.	DIVYA K P	4PM16EC019	7	PENTAGON SPACE
4.	K B CHAMARAJ	4PM16EC105	7	ELCAMINO
5.	AKSHATHA A	4PM17EC007	7	SEVENTH SENSE
6.	ARPITHA N	4PM17EC011	7	PENTAGON SPACE
7.	BASAVAPRA BHU G DHUPAD	4PM17EC013	7	PENTAGON SPACE
8.	CHANDANA C K	4PM17EC019	7	PENTAGON SPACE
9.	CHANDANA P PATEL	4PM17EC020	7	CAP GEMINI
10.	DARSHAN R GORPADE	4PM17EC021	7	ELCAMINO
11.	G N CHEZHANA	4PM17EC027	7	VERZEO
12.	GURUDATT P KULKARNI	4PM17EC028	7	VERZEO
13.	H M AKHILESH	4PM17EC029	7	BLUE DANIO
14.	JAMEEL AHMED	4PM17EC034	7	ELCAMINO
15.	LAKSHMESH A RAMACHAN DRA NAIK	4PM17EC040	7	ELCAMINO
16.	MANU KUMAR K C	4PM17EC043	8	ELCAMINO
17.	MOHAMME D ASIF K S	4PM17EC046	8	PENTAGON SPACE

18.	MOUNAVI B	4PM17EC049	8	CAP GEMINI
19.	NAGAMANI. T	4PM17EC051	8	QSPIDERS
20.	NAGARAJ R NAIK	4PM17EC052	8	ELCAMINO
21.	NANDISH G MATHAD	4PM17EC054	8	ACCENTURE
22.	NAVEEN V A	4PM17EC055	8	ELCAMINO
23.	NAVYA G	4PM17EC056	8	QSPIDERS
24.	NAYANA M	4PM17EC057	8	VERZEO
25.	NIDHI A M	4PM17EC058	8	QSPIDERS
26.	NISARGA BS	4PM17EC061	8	QSPIDERS
27.	NISARGA PRASAD B S	4PM17EC062	8	PENTAGON SPACE
28.	NITHIN KESHAVA REDDY T	4PM17EC063	8	PENTAGON SPACE
29.	PRAGATHI P PAI	4PM17EC064	8	INFOSYS
30.	SABA KAUSAR	4PM17EC074	8	VERZEO
31.	SAMEER AHMED H	4PM17EC075	8	ELCAMINO
32.	SANDEEP C M	4PM17EC076	8	BYJU's
33.	SANGAVI S	4PM17EC077	8	SEVENTH SENSE
34.	SHARAN J S	4PM17EC078	8	ACCENTURE
35.	SHASHANK BK	4PM17EC080	8	BLUE DANIO
36.	SHREEVATS PRABHAKAR HEGDE	4PM17EC081	8	QSPIDERS
37.	SUJITH B K	4PM17EC088	8	ELCAMINO
38.	VEENA N B	4PM17EC092	8	ACCENTURE
39.	VENKATESH KIRAN SAKHARE	4PM17EC093	8	ELCAMINO
40.	DEEPAK S K	4PM17EC404	8	QSPIDERS
41.	SUDEEP N R	4PM18EC405	8	ELCAMINO

CRAFTERIA



When creativity and Imagination is put together the outcome is something more

Call for Newsletter Articles

We need articles for future additions of Newsletter

Please consider providing a short item of news, or an in depth article for the next edition of the newsletter. We would like to invite everybody to submit a short story/article/announcement 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, quotes of your own could be included.
- All of above said matters could be accepted in English or in kannada formats

Feel free to communicate with the student and staff coordinators for more details.

Editorial Team

Mr. Bipin (4th Sem, E&CE)

Mr. Md. Khayum (6th Sem, E&CE)

Ms. Nimrabanu (8th Sem E&CE)

Mr. Kunjan D. Shinde, Asst. Professor, Dept. Of E&CE, PESITM, Shivamogga.

Mr. Prashant S B, Asst. Professor, Dept. Of E&CE, PESITM, Shivamogga.