



Dept of ECE News Letter - 2023

"PESITRONICS" Imagination Becomes Reality



PESITM PES INSTITUTE OF TECHNOLOGY AND MANA

education for the real world

(Affiliated to Visvesvaraya Technological University & Approved by A.I.C.T.E. Recognised by Govt. of Karnataka)

PRERANA EDUCATIONAL AND SOCIAL TRUST (P)

- Track & Field, Football Stadium
- Prerana Convention Hall
- Staff Quarters
- PES Health Center
- Girls' Hostels
- PES Public School
- PES Pre-University College
- PES Institute of Advanced Mgmt. Studies
- PES Kids Academy
- Students' Utility Complex
- Gymnasium
- Cricket Stadium
- Play Field
- Boys' Hostels
- Food Courts
- PES Polytechnic
- State Bank of India, PES Branch



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)

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 exposure to emerging technologies, adequate training and opportunities to work as a 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 ECE 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 ECE have been 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 ECE Department.

Why to choose Electronics?

- The ECE branch offers the opportunity to redesign the world around and make it even more efficient, connected and sustainable.
- Electronics and Communications engineering jobs are among the highest-paid and have the highest job satisfaction.
- As an ECE engineering undergraduate, one gets thorough academic learning, hands-on experience and leadership development.
- A degree in ECE from the **Best Electronics and Communication engineering college in India** allows an individual to unfold and expand his/her knowledge in the world of electronics.
- Electronics is the leading edge of the world in the present time and also the wave of the future.



Dr. Madhavi M
HoD, ECE

HOD MESSAGE

I welcome all the students to the Department of Electronics and Communication Engineering. Electronic and Communication Engineering is the essence of today's world. We are committed to provide not only the technical education to our students but also the leadership qualities through which they can create employment to others. PESITM is growing and is establishing its legacy as academic excellence. The sole vision of the department is to produce good engineers with human values and Indian ethos. We always focus on the holistic development of the students by a combination of both curricular and extracurricular activities. We believe that to develop a tender mind, we need to go beyond classroom teaching and we believe to make our students industry ready. The excellent infrastructure, teaching faculty of the best kind of the Department ensure quality education and a bright future to our students. The Department of ECE is striving hard towards the goal of providing innovative and quality education with high standards to achieve academic excellence and provides a platform for the students to achieve their career goals.

A handwritten signature in blue ink, likely belonging to Dr. Madhavi M. The signature is stylized and includes a circular flourish at the beginning.

Student's Activity/Achievement

Sl. No	Name of the Student	Semester	Event / Certification Course / Training Participated (Name, Organizer, Date)	Participation / Position
1	Abhishek Reddy Y	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26 th & 27th August 2023.	Attended Workshop
2	Abhishek R Palanker	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26 th & 27th August 2023.	Attended Workshop
3	Nishanth M Shinde	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26th & 27th August 2023.	Attended Workshop
4	Mourya R	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26 th & 27th August 2023.	Attended Workshop
5	Kirana G Y	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26th & 27th August 2023.	Attended Workshop
6	Nischal S	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26th & 27th August 2023.	Attended Workshop
7	Sumukha S Nadig	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26th & 27th August 2023.	Attended Workshop
8	Tarun J	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26th & 27th August 2023.	Attended Workshop
9	Keerthana M	4th	2 day offline workshop on "Data Science" Conducted by "Ethical Edufabrica PVT.Ltd. In association with pravega, IISC Bangalore on 26th & 27th August 2023.	Attended Workshop
10	Mithunkumar N	4th	Participated and presented a paper entitled "Generation and Implementation of HDL Codes on FPGA for various image processing algorithms using Matlab Simulink" in the "National conference on Emerging Technologies in Engineering"(NCETE-2023) Conducted on 12th May 2023	Participated & presented
11	Nagaraj V K	4th	Participated and presented a paper entitled "Generation and Implementation of HDL Codes on FPGA for various image processing algorithms Using Matlab-Simulink" in the "National conference on Emerging Technologies in Engineering"(NCETE-2023) Conducted on 12th May 2023	Participated & presented
12	Prapulachandra S J	4th	Participated and presented a paper entitled "Generation and Implementation of HDL Codes on FPGA for various image processing algorithms using Matlab Simulink" in the "National conference on Emerging Technologies in Engineering"(NCETE-2023) Conducted on 12th May 2023	Participated & presented
13	Ramesh Bhojappa Naik	8th	Participated and Presented a paper entitled "solar assisted multi utility vehicle for farmenrs" in National Conference on Emerging innovations in Computer Science and Technology (NCEICT-2023) organized by the department of computer science and Engineering , PESITM, shivamogga on 12th May 2023	Participated & presented
14	Akash A	8th	Participated and Presented a paper entitled "solar assisted multi utility vehicle for farmenrs" in National Conference on Emerging innovations in Computer Science and Technology (NCEICT-2023) organized by the department of computer science and Engineering , PESITM, shivamogga on 12th May 2023	Participated & presented
15	Amrutha D	8th	Participated and Presented a paper entitled "solar assisted multi utility vehicle for farmenrs" in National Conference on Emerging innovations in Computer Science and Technology (NCEICT-2023) organized by the department of computer science and Engineering , PESITM, shivamogga on 12th May 2023	Participated & presented
16	Akshay Devendra Naik	8th	Participated and Presented a paper entitled "solar assisted multi utility vehicle for farmenrs" in National Conference on Emerging innovations in Computer Science and Technology (NCEICT-2023) organized by the department of computer science and Engineering , PESITM, shivamogga on 12th May 2023	Participated & presented
17	Vatsala G N	8th	Presented project work entitled "Content Based Image Retrieval System" in the "project Exhibition Shaktistaavara-2023" organized by department of Electrical and Electronics Engineering , GSS Institute of Engineering and Technology for Women, Mysore in association with IEEE PES Student Chapter ,Bangalore Section , on 26th April 2023	Participated

18	Nikith A B	8th	Presented project work entitled "Content Based Image Retrieval System" in the "project Exhibition Shakthistaavara-2023" organized by department of Electrical and Electronics Engineering , GSS Institute of Engineering and Technology for Women, Mysore in association with IEEE PES Student Chapter ,Bangalore Section , on 26th April 2023	Participated
19	Shivani S Bharadwaj	8th	Presented project work entitled "Content Based Image Retrieval System" in the "project Exhibition Shakthistaavara-2023" organized by department of Electrical and Electronics Engineering , GSS Institute of Engineering and Technology for Women, Mysore in association with IEEE PES Student Chapter ,Bangalore Section , on 26th April 2023	Participated
20	Ujwal Bharadwaj	6th	Participated in BasketBall sports Competition held during Prerana Annual Day competition at PESITM, Shivamogga, 2022-2023	Winner
21	Sahana S A	3rd	Fundamentals of OOPS in JAVA', Yashwardhan Burad, Accio Job	Attended Workshop
22	Sanjana R	3rd	Fundamentals of OOPS in JAVA', Yashwardhan Burad, Accio Job	Attended Workshop
23	Nischal S	3rd	HTML & CSS, Cisco, 2023	Completed Course
24	Dharshan Mohan Kelsi	8 th	Presented the technical paper entitled "Design and Analysis of frequency reconfigurable U Slot Micro strip patch antenna based on varactor diode" in the ISTE Sponsore two days national conference on "Emerging trends in Engineering Science and Technology-EEST-2023", held at Hindusthan Institute of Technology Coimbatore	Internship
25	Manish M Rajpurohit	8 th	Presented the technical paper entitled "Design and Analysis of frequency reconfigurable U Slot Micro strip patch antenna based on varactor diode" in the ISTE Sponsore two days national conference on "Emerging trends in Engineering Science and Technology-EEST-2023", held at	
26	Shreya S	8 th	Presented the technical paper entitled "Design and Analysis of frequency reconfigurable U Slot Micro strip patch antenna based on varactor diode" in the ISTE Sponsore two days national conference on "Emerging trends in Engineering Science and Technology-EEST-2023", held at Hindusthan Institute of Technology Coimbatore	
27	Karthik Raj B N	8 th	Presented the technical paper entitled "Design and Analysis of frequency reconfigurable U Slot Micro strip patch antenna based on varactor diode" in the ISTE Sponsore two days national conference on "Emerging trends in Engineering Science and Technology-EEST-2023", held at Hindusthan Institute of Technology Coimbatore	

Our Students Our Pride

Topper's List for the odd semester.

3 rd Semester		5 th semester		7 th Semester	
LASYA SHANTARAM HEGDE	89.75%	ARPITHA MANTRODI	86.56%	BHAVANA S	80.33%
APEKSHA ASHOK DAFEDAR	83.25%	DAMODAR UPENDRA HEGDE	85.56%	BIPIN CHANDRA S M	78%
ABHISHEK GOWDA H A	83%	PALLAVI MAHANTAYYA HIREMATH	84.88%	CHAITHRA B V	76.67%
LATISH PATIL	82.5%	PRIYA PAI	81.89%	KAMAL KUMAR C	76%
MANOJ KUMAR G C	82.38%	SRUSHTI D C	81%	KIRANA G D	75.77%
ATHMEEYA G M	81.13%	DEEPTI S HEGDE	80.67%	BHAVANA M U	77.44%
SRINIVAS GOWDA K R	80.75%	NIDHI B M	79.67%	SWATHI N	77%
SHASHANKA D	78.75%	SAHANA D	78.67%	SHRINGIRI SHARADA B HUGAR	75%
VISMITHA K B	78.75%	REEMA FATHIMA	78.44%	SAHANA HM	74.89%
MADHUSUDHAN G K	78.63%	Soniya Shekhar Marathe	78.33%	NIKITHA A B	74.56%

Placed Students

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Department of Electronics and Communication Engineering
 (NBA Accredited Programme)

Congratulations



Nandish H L Sachin D Shastry Shringeri Sharada

Congratulations to All the Students on Being Successfully Placed in TCS
 With best Compliments from: Management, Principal, CDC, HOD,
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Congratulations




Sahas H S

Congratulations on Being Successfully Placed in MOBIREY
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Department of Electronics and Communication Engineering.
 (NBA Accredited Programme)

Congratulations



Vishnu Balikie ETON Swathi N

Congratulations to All the Students on Being Successfully Placed in Eton Solutions
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Department of Electronics and Communication Engineering.
 (NBA Accredited Programme)

Congratulations



Bhavana S

Congratulations to All the Students on Being Successfully Placed in TATA ELXSI
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Department of Electronics and Communication Engineering.
 (NBA Accredited Programme)

Congratulations



Arpita B Tamiya Sindhu G S Bharath H G Raashi K Shwari S Shreevard

Congratulations to All the Students on Being Successfully Placed in ACADEMOR
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 Teaching and Non Teaching staff

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Department of Electronics and Communication Engineering
 (NBA Accredited Programme)

Congratulations



Ajay Sagar M Akshatha G Shet Akshatha M A Bharat Hiregoudar Bhushan P

Congratulations to All the Students on Being Successfully Placed in Mastec Quadgen Wireless Solutions
 With best Compliments from: Management, Principal, CDC, HOD,
 Teaching and Non Teaching staff

ECE Placed Students

Placed Students

SI No	USN	Student Name	Company Name
1	4PM18EC012	Bhavana M U	Intellipaat, Kodnest, Deloitte
2	4PM18EC097	Yashwanth T J	Immensphere
3	4PM19EC001	Ajay Sagar M	MASTEC Quadgen
4	4PM19EC003	Akhilesh V R	TAP Academy
5	4PM19EC004	Akshatha G Shet	MASTEC Quadgen
6	4PM19EC005	Akshatha M A	MASTEC Quadgen, DEVSYS
7	4PM19EC006	Akshay Devendra Naik	Vintrus, Immensphere
8	4PM19EC007	Amrutha D	Chegg, Vintrus, Immensphere
9	4PM19EC008	Amulya GH	Vintrus, Immensphere, X-Workz
10	4PM19EC011	Ananya D R	Vintrus, Immensphere, TRIDENT
11	4PM19EC012	Arpitha B	Kodnest, Immensphere, Academor,
12	4PM19EC014	Arpitha S	Ethnus, Immensphere, X-Workz
13	4PM19EC015	Ashwitha N	Ethnus, Vintrus, Immensphere
14	4PM19EC016	B Preksha	Immensphere
15	4PM19EC017	Bharat Hiregoudar	MASTEC Quadgen, Intellipaat
16	4PM19EC018	Bharath H G	Chegg, Immensphere, Academor
17	4PM19EC019	Bhavana S	TATA Elxsi
18	4PM19EC021	Bhoomika N P	Ethnus, Immensphere
19	4PM19EC022	Bhushan P	MASTEC Quadgen
20	4PM19EC023	Bipin Chandra S M	Tricon Infotech, DEVSYS

Placed Students

SI No	USN	Student Name	Company Name
21	4PM19EC024	C Kushal	Immensphere
22	4PM19EC025	Chaitra B V	Ethnus
23	4PM19EC027	Chethan Kumar S	X-Workz
24	4PM19EC028	Darshan Mohan Kelsi	X-Workz
25	4PM19EC029	Darshan T N	Ethnus, Immensphere
26	4PM19EC033	G M Gana	Vintrus
27	4PM19EC034	Gagan G N	Ethnus
28	4PM19EC035	Gowthama Sharma M	X-Workz
29	4PM19EC037	Kamal Kumar C	Ethnus
30	4PM19EC040	Keerthana S	MASTEC Quadgen
31	4PM19EC041	Keerthana G D	MASTEC Quadgen
32	4PM19EC043	Malthesh N	Ethnus
33	4PM19EC044	Manish M Rajpurohith	Vintrus, Chegg
34	4PM19EC045	Meghana G G	TAP Academy, Immensphere, X-Wo
35	4PM19EC046	Mithan Kumar N G	Immensphere, X-Workz
36	4PM19EC048	Nagalakshmi H S	Chegg, X-Workz
37	4PM19EC049	Nagaraj Banakar	Ethnus, Vintrus
38	4PM19EC051	Nagendra S	Ethnus
39	4PM19EC052	Nandish H L	IDEA Infinity, TCS Ninja

Placed Students

SI No	USN	Student Name	Company Name
40	4PM19EC053	Nikitha A B	Ethnus, Immensphere
41	4PM19EC054	Nishchal K A	Ethnus
42	4PM19EC056	Prajwal K G	Immensphere
43	4PM19EC057	Prajwal R V	Vintrus, Immensphere, X-Workz
44	4PM19EC058	Prakruthi B M	Ethnus, Vintrus, Immensphere, CAD
45	4PM19EC062	Ramesh B Naik	Immensphere
46	4PM19EC063	Ranjitha T N	Vintrus, Immensphere, X-Workz
47	4PM19EC064	Rashmi K	Academor, Vintrus
48	4PM19EC065	Sachin D Shastry	TCS Ninja
49	4PM19EC067	Sahana H M	Vintrus, Immensphere, X-Workz
50	4PM19EC068	Sahana S P	Vintrus, Immensphere
51	4PM19EC069	Sahas H S	Mobirey, TAP Academy
52	4PM19EC071	Shifana	Qualitest, Chegg
53	4PM19EC072	Shivani S Bharadwaj	Academor, Vintrus, Immensphere
54	4PM19EC074	Shreya Mudhol M	Ethnus
55	4PM19EC075	Shreya S	Ethnus, Vintrus
56	4PM19EC076	Shringeri Sharada	Qualitest, TCS Ninja
57	4PM19EC077	Sindhu G S	Ethnus, Immensphere, Academor
58	4PM19EC078	Sushmitha A	Ethnus, Immensphere



Placed Students

SI No	USN	Student Name	Company Name
59	4PM19EC079	Swathi N	MASTEC Quadgen, ETON
60	4PM19EC080	Tasmiya	Chegg, Immensphere, Academor
61	4PM19EC081	Vani T K	Vintrus, Immensphere
62	4PM19EC082	Vatsala G N	Immensphere
63	4PM19EC083	Venika S	MASTEC Quadgen
64	4PM19EC085	Vishnu Balikile	ETON
65	4PM19EC086	Yashwanth M	MASTEC Quadgen
66	4PM19EC088	Nischitha K S	Vintrus, Immensphere, X-Workz
67	4PM20EC400	Darshan H S	Ethnus
68	4PM20EC401	Dhanya K G	Ethnus, Immensphere
69	4PM20EC405	Mhd Mohsin Khan	Immensphere
70	4PM20EC406	Nagendra G	Chegg
71	4PM20EC407	Sangamesh G S	Chegg, Ethnus, Vintrus
72	4PM20EC408	Sanjay M	Chegg



Forum Activities

The department of Electronics and Communication Engineering, PES Institute of technology and Management, Shivamogga under AGAMYA forum organized “**ACID RIVER**” Competition for 2nd and 3rd year students of ECE department as a forum activity on 14th July 2023.



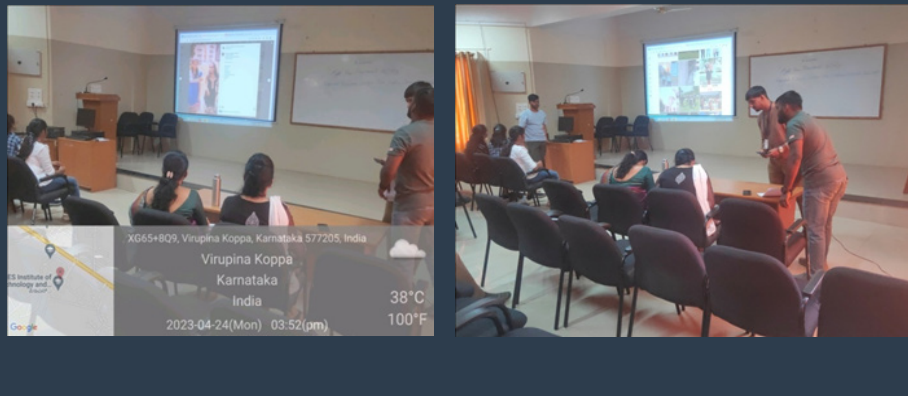
Students participating in “**ACID RIVER COMPETITION**”
The department of Electronics and Communication Engineering, PES Institute of technology and Management, Shivamogga under AGAMYA forum organized “**CHESS**” Competition for 2nd and 3rd year students of ECE department as a forum activity on 14th July 2023.



CHESS

Reels Competition for Prerana 2023

On April 19th, 2023, a reels competition was held at PES Institute of Technology and Management, organized by the Department of Electronics and communication Engineering. The event was aimed at providing a platform for students to showcase their creativity and skills using the Instagram Reels feature. The event was promoted through various channels, including social media. The competition guidelines were clearly communicated to the participants, including the theme and rules.



Debate Competition for Prerana 2023

Department of Electronics and Communication Engineering of PESITM organized the “DEBATE COMPETITION” on 18-04-2023 as a part of PRERANA 2023. Around 15 teams consisting of 2 members each actively participated in this competition.

The aim of organizing debate competition was to hone the public speaking skills of the students and teach them to be articulate while expressing their thoughts and opinions. The session was kaleidoscope of opinions, thoughts and perspective that enhance the knowledge and understanding about economic, political, technology and social affairs among students.



Industrial Visit

Industrial Visit to “Indian Space Research Organization (ISRO) & HAL Heritage Centre and Aerospace Museum”, Bengaluru

Industrial visits help the students to provide an exposure about practical working environment and to gain full awareness about industrial practices. In this concern Department of Electronics and Communication Engineering organized a visit for 6th semester students to HAL Heritage Centre and Aerospace Museum, Bengaluru on 06/04/2023 from 10am to 12.30pm. Around 91 students and four faculty members got benefited from this industrial visit.



Faculty Development Programme

on “Design of Analog & Digital IC Using Cadence Tools”

The department of Electronics and Communication Engineering, PES Institute of Technology and Management, Shivamogga organized a 5 days Faculty Development Program on “Design of Analog and Digital IC Using Cadence Tools” was inaugurated on 17/08/2023 in the Seminar Hall of Department of Electronics & Communications Engineering, PESITM, Shivamogga. The program was organized in collaboration with Entuple Technologies. Total 28 participants from various colleges got benefited from this FDP. Dr. Prasanna Kumar H R, I/C Principal inaugurated the program by lightening the which encourages the industry institute relationship. Dr. Madhavi M, HOD, ECE Dept. in her speech enlightened about the importance of VLSI technology in the current scenario. This program was witnessed by Mr. Shivaprasad B K, Resource person form Entuple Technologies and faculty members from various colleges.

FDP Title :“Design of Analog and Digital IC Using Cadence Tools”

Date/Duration :17/08/2023 to 22/08/2023 / 5 days

Coordinators : Mr. Chethan BR, Mrs. Yojana Yadav

Resource Persons : Mr. Shivaprasad B K, Dr. B Naresh Kumar Reddy, NIT, Tiruchirappalli Dr. Sakthivel Ramachandran, VIT, Vellore

Target Audience: Faculty members

Total no. of participants: 28



Inaugural Session



Fig 2. Lightening of lamp during Inaugural.



Fig 3. FDP Participants during Inaugural.

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**Department of
Electronics & Communication Engineering**
In Association
ENTUPLE
Technologies

Organising 5 Days FDP on

**“Design of Analog & Digital IC Using
Cadence Tools”**

Coordinators:
Mr. Chethan B. R.,
Assistant Professor,
Dept. of ECE, PESITM, Shivamogga
Mrs. Yojana Yadav
Assistant Professor,
Dept. of ECE, PESITM, Shivamogga

17th to 22nd
August 2023
Venue :
ECE Seminar Hall PESITM, Shivamogga

Dr. M. Madhavi
Professor & Head,
Dept. of ECE, PESITM, Shivamogga
Dr. Chaitanya Kumar M. V.
Principal,
PESITM, Shivamogga

Objectives of FDP:

- To acquire knowledge and skill sets in the field of latest VLSI Technology.
- To improve your technical competency by using industry-standard VLSI tools and hardware.
- To provide an overview of the design flow for analog and digital ICs using Cadence tools.
- To teach the participants how to use the Cadence tools to design and simulate analog and digital circuits.
- To give the participants hands-on experience in designing a complete analog and digital system.

Student Development Program on

“Artificial Intelligence & Machine Learning”

The SDP addressed the underlying basic principles of Artificial Intelligence & Machine Learning and their applications in different areas. Hands-on sessions using various tools of AI & ML, such as Anaconda, Miniconda, Jupyter Notebook, Pandas, Numpy, Scikit Learn etc are conducted. The SDP is being conducted for pre-final year students and also for the beginners in the field of “Artificial Intelligence & Machine Learning”. There were 96 students registered for this event. The objective of this SDP is to introduce the participants to the world of “Artificial Intelligence & Machine Learning” and give an insight on how and where it can be used. This SDP will be useful to learn the fundamentals of “Artificial Intelligence & Machine Learning” and understanding of tool usage of this in demand technology.

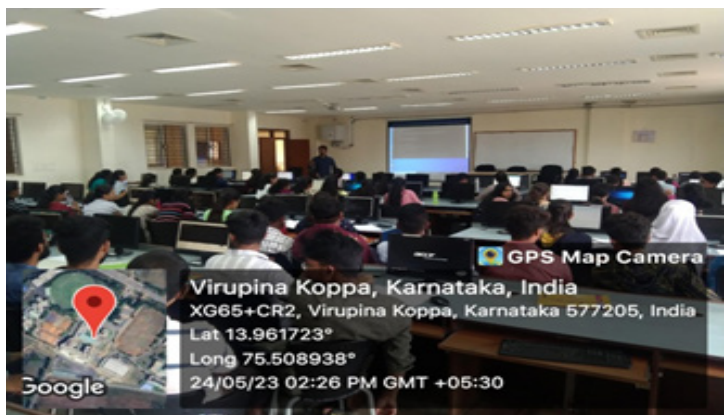
Topics covered:

- Introduction to “Artificial Intelligence & Machine Learning”.
- Getting Familiar with the miniconda, jupyter notebook.
- Model choosing & fitting it using Scikit Learn.
- Introduction to Python Programming Language.
- Data preprocessing & analysis using pandas & NumPy.
- Model evaluation and experimentation.

Inauguration On 23rd May-2023



Event Type:	Students Development Program
Date:	23 rd to 27 th May – 2023
Resource Persons:	<p>Mr. Madhusudhan A S Senior Research Engineer, LG-Soft India, Bangalore.</p> <p>Mrs. Yashaswini J Senior Software Engineer, Luxoft, Bangalore.</p> <p>Dr. Vishnu V M Associate Professor, Dept. of ECE PESITM, Shivamogga.</p> <p>Mr. Hanumanthappa Magalada Assistant Professor, Dept. of ECE PESITM, Shivamogga</p>
Name of the coordinators:	Dr. Vishnu V M & Mr. Hanumanthappa Magalada
Target Audience:	B.E VI th Semester Students
Total no.of Students:	96
Objective of the event:	Providing fundamental knowledge about AI & ML
Outcome of the event:	Students will get basic knowledge about various tools used in AI & ML. That in turn enables them to take up projects in the field of AI & ML.



Hands on Sessions

Invited Talk

Invited Talk on “**Circuits and Controls**” Under IETE Student Chapter

Event Type	: Invited Talk/ Guest Lecture
Date & Day	: 13.07.2023, Thursday
Resource Person	: Dr. Ramalingeswara Prasad, LBRCE
Name of Coordinator(s)	: Dr. Mahantesh P Mattada, Mrs, Shyamala S C
Target Audience	: B.E. 4th Semester students
Total no. of Students	: 130
Objective of the event	: To make students to learn about the fundamentals of Electrical Circuits & Controls. To solve the circuit problems by applying the fundamentals network theorems.
Outcome of event	: Students gained basic knowledge about fundamentals of Circuits & Control Systems. This program created awareness about the various applications of Controls Systems. Recent trends in the field of Control Systems are also imparted to students.



About the Program:

Department of Electronics and Communication Engineering organized an invited talk on “**Circuits and Controls**” for 4th semester students on 13th July, 2023. All 130 students of 4th semester got benefited from this expert talk.

Invited Talk on “**Applications of Control Systems**” Under IETE Student Chapter

Event Type	: Invited Talk/ Guest Lecture
Date & Day	: 14.07.2023, Friday
Resource Person	: Dr. Ramalingeswara Prasad, LBRCE
Name of Coordinator(s)	: Dr. Mahantesh P Mattada, Mrs, Shyamala S C
Target Audience	: B.E. 4th Semester students
Total no. of Students	: 130
Objective of the event	: To expose the students about the various applications of Control Systems & recent trends in Industrial Control System
Outcome of event	: Students gained basic knowledge about fundamentals of Circuits and Control Systems. This program created awareness about the various applications of Controls Systems. Recent trends in the field of Control Systems are also imparted to students.



About the Program:

Department of Electronics and Communication Engineering organized an invited talk on “**Applications of Control systems**” for 4th semester students on 14th July, 2023. All 130 students of 4th semester got benefited from this expert talk.

Invited Talk on “Applications of Control Systems” Under IETE Student Chapter



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Department of Electronics and Communication Engineering

Invited Talk on

“Applications of Control Systems”

**13th July 2023,
Thursday**

**Venue:-
ECE Seminar Hall,
PESITM, Shivamogga**



Webinar On

“Embedded Systems-Scope and Job Opportunities”

The webinar was organised for 6th Semester students by department of Electronics and communication on 6th May 2023. The aim of the webinar is to create awareness about opportunities for E&C engineers in Embedded System Domain. This webinar was crucial for changing the mindset of students who think there are only software jobs.

Resource Persons:
Mr. Pramod Kasbekar,
Vector India, Bengaluru

Topics covered:

1. Scope and application areas of Embedded Systems.
2. Emerging Trends in Embedded Systems and Its users in various sectors
3. Different short terms courses for Embedded System Engineers jobs.



06/05/2023
10:00 AM to 11.30 AM



6th Semester
(A & B Sections)



Dr.Mahantesh P Mattada,
Associate Professor,
Dept. of ECE

Link: <https://vectorindia-org.zoom.us/j/95451057210>

Fee: Nil



FDP/SDP/Webinar/Workshops attended/organized

1. Dr. Mahantesh P Mattada has organized SDP- IETE Sponsored Invited Talk on “**Applications of Control Systems**” for 4th Semester students from 13/7/2023 to 14/7/2023
2. Dr. Vishnu V M has organized SDP on “**Artificial Intelligence & Machine Learning**” for 4th Semester students from 23/5/2023 to 27/5/2023.
3. Dr. Mahantesh P Mattada has organized Webinar on “**Embedded Systems**” for 6th Sem Students on 6/5/2023.
4. Dr. Vishnu V M has attended 1 week FDP on “**Applications of Computer Vision using Deep Learning**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.
5. Dr. Vishnu V M has attended a FDP on “**Introduction to Python Programming & Its Application**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.
6. Dr. Mahantesh P Mattada has attended a FDP on “**VLSI to System Design: Silicon to End Application Approach**” from 31st July to 4th August 2023 organized by AICTE, ARM Education and STMicroelectronics.
7. Mrs. Yojana Yadav has attended FDP on “**Introduction to 5G- Is it required for India?**” on May 13th 2023 organized by NPTEL + DTRI.
8. Mr. Chethan B R has attended FDP on “**Design and Implementation of advanced VLSI Architecture**” on 13/03/2023 organized by LBRCE, Andra Pradesh.
9. Mr. Chethan B R has attended 1 week FDP on “Applications of “**Computer Vision using Deep Learning**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.
10. Mr. Hanumanthappa Magalada has attended a Six day Faculty Development Program on “**Recent trends in AI and ML for Communication and Signal Processing Applications**” from 10th to 15th July-2023 organized by East Point College of Engineering and Technology, Bangalore.
11. Mr. Chethan B R has attended 1 week FDP on “Applications of “**Computer Vision using Deep Learning**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.
12. Mr. Hanumanthappa Magalada has attended 1 week FDP on Applications of “**Computer Vision using Deep Learning**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.

13. Mr. Chethan B R has attended 1 week FDP on Applications of “**Computer Vision using Deep Learning**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.
 14. Mr.Hanumanthappa Magalada has attended 1 week FDP on Applications of “**Computer Vision using Deep Learning**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.
 15. Mr.Hanumanthappa Magalada has attended 5 Day Online FDP on “**AWS(Amazon Web services)**” from 27-02-2023 to 3-03-2023 organized by AVS Engineering College Tamilnadu,India.
 16. Mr. Jagadish M has attended FDP on “**Design and Implementation of advanced VLSI Architecture**” on 13/03/2023 organized by LBRCE, Andra Pradesh.
 17. Mrs. Sangeetha B S has attended FDP on “ Design and Implementation of advanced VLSI Architecture” on 13/03/2023 organized by LBRCE, Andra Pradesh.
 18. Ms. Lavanya R has attended FDP on “ Design and Implementation of advanced VLSI Architecture” on 13/03/2023 organized by LBRCE, Andra Pradesh.
 19. Mrs. Kavya M P has attended FDP on “Deep Learning and its Applications” on 6/3/2023 to 10/3/2023 organized by Dept of CSE, Kalpataru Institute of Technology, Tiptur.
 20. Mrs. Kavya M P has attended FDP on Workshop on “**introduction to 5G-Is it required for India**” on 13/5/2023 organized by NPTEL + , By Kiran Marathe, DTRI.
 21. Dr. Mahantesh P Mattada has attended FDP on “**Introduction to Python Programming & its Applications**” on 13th – 17th March 2023 organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) -562101.
 22. Ms. Lavanya R has attended FDP on “AWS(Amazon Web Services)” from 27-02-2023 to 3-03-2023 organized by AVS Engineering College Tamilnadu,India.
 23. Ms. Lavanya R has attended FDP on “**FDP on Fundamentals and Applications of Basic Signal Processing**” from 18th October 2022 to 22nd October 2022 organized by SJC Institute of Technology and Management, Chickballapur.
 24. Dr. Mahantesh P Mattada has attended FDP on “**Design and Implementation of advanced VLSI Architecture**” on 13/03/2023 organized by LBRCE, Andra Pradesh.
 25. Mr. Nithin H V has attended FDP on “**Computational Intelligence Enabled Sensors and Networks for 5G/6G Wireless Communication**” from 14-11-2022 to 25-11-2022 organized by ATAL, AICTE & JNNCE, Shivamogga.
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26. Mr. Nithin H V has attended FDP on “**Nanosensors & Devices**” from 22-08-2022 to 28-08-2022 organized by NITTR, Chandigarh & AJIT, Mangalore.
 27. Mr. Pramod V Rampur has attended FDP on “**Design and Implementation of advanced VLSI Architecture**” on 13/03/2023 organized by LBRCE, Andra Pradesh.
 28. Mrs. Sangeetha B S has attended FDP on “**Applications of Computer vision using Deep learning**” on 20-25 Feb 2023 organized by Dept. of ECE, Seshadri Roa Gudlavalleru Engineering College, Gudlavalleru, Krishna district.
 29. Mr. Shivayogappa H J has attended FDP on “**Analog and Digital Design Flow for VLSI Chip Application**” on 20 - 25 February to 27-03 March 2023 organized by AICTE at GMIT, Davanagere.
 30. Mr. Shivayogappa H J has attended 1 week FDP on “**Applications of Computer Vision using Deep Learning**” from 20/02/2023 to 25/02/2023 organized by SGEC, Andra Pradesh.
 31. Mrs. Shyamala S.C has attended a FDP on “**AWS(Amazon web services)**” from 27/02/2023 to 03/03/2023 organized by AVS ENGINEERING COLLEGE.
 32. Mrs. Shyamala S.C has attended a FDP on “**Sensor Applications using my RIO**” from 27/02/2023 to 03/03/2023 organized by AVS ENGINEERING COLLEGE.
 33. Mrs. Shyamala S.C has attended a FDP “**Design and implementation of advanced VLSI architectures**” from 13/03/2023-17/03/2023 organized by Lakireddy Balireddy college of engineering ,Andhra Pradesh.
 34. Mrs. Shyamala S.C has attended a International webinar on “**Demystifying cloud containers and automation**” 10/03/2023 organized by Botho University.
 35. Mr Anil Kumar C has attended a FDP on “**AWS(Amazon Web Services)**” from 27-02-2023 to 3-03-2023 organized by AVS Engineering College Tamilnadu, India.
 36. Mr Anil Kumar C has attended a FDP on “**Design and Implementation of Advanced VLSI architectures**” from 13/03/23 to 17/03/23 organized by Lakireddy Bali Reddy College of Engineering.
-

Paper Presented

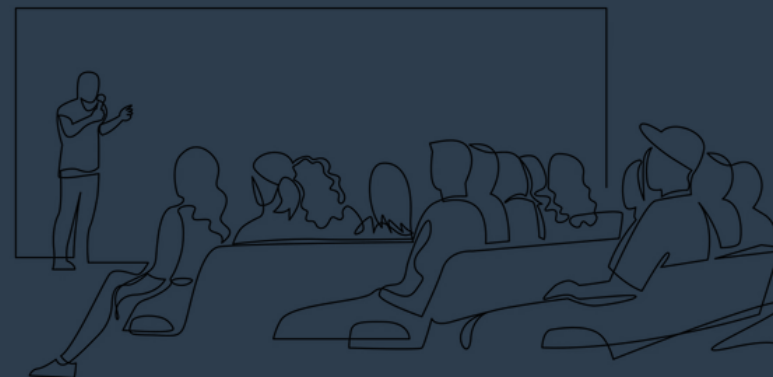
1. Mrs. Sangeetha B S has presented a paper titled **“A Hybrid image Cryptography and Steganography metho for data security”** in IC-ICIC-2023 organized by SIT, Tumkur on May 5, 2023.
2. Mrs. Shyamala S C has presented a paper titled **“Solar Charging EV Station with Universal Port Support”** in International Conference on Advanced in Engineering and Technology organized on April 4, 2023.
3. Mr Hanumanthappa Magalada has presented a paper titled **“A Double Band Notch Antenna with Flexible Frequency Tuning for Ultra Wideband Applications”** in 1st International Conference on “ICSCR-2023”organized on 20th & 21st July-2023 EPCE&T, Bangalore.
4. Mr. Mahantesh P Mattada has presented a paper titled **“Solar Assisted Multi Utility Vehicle for Farmers”** in National Conference on Emerging Innovations in Computer Science and Technology (NCEICT-2023)organized on May 2023.
5. Mr. Chethan BR has presented a paper titled **“Generation and Implementation of HDL codes on FPGA for various image Processing Algorithms using MATLAB”** in NCETE organized by MCE, Hassan on 12th May 2023.
6. Mr. Shivayogappa HJ has presented a paper titled **“Landmine Detection Robot”** in NCETE- National Conference on Emerging Technologies in Engineering 2023 organized on 12th May 2023.
7. Mr Hanumanthappa Magalada has presented a paper titled **“Reconfigurable Microstrip Patch Antenna Design and Simulation for 5G Application”** in National level conference **“NGIEC-2023”** organized on 16th June-2023,EPCE&T, Bangalore.



Paper Publications:

1. Dr.Madhavi Mallam, published a Sci indexed journal on “**Microwave versus conventional sintering of NaNbO₃ modified BNT–BT–BKT ceramics**”, J Mater Sci: Mater Electron (2023) 34:475,11th Feb 2023.
2. Kavya M P, published a paper on “**Geo-fencing response system as a life saver**”, TIJER , Volume 10 Issue 4, April-2023.
3. Yojana Yadav, published a paper on “**Wireless Charging with position alignment for EV’s**”, JETIR ,May 2023, Volume 10, Issue 5.
4. Yojana Yadav, published a paper on “**Wall Painting Cleaning and Dampness Detecting Robot**”, JETIR , 10(5), f276-f278, May 2023.
5. Mrs. Sangeetha B S, published a paper on “**A Hybrid Image Cryptography And Steganography Method For Data Security**”, IJRAR , May 2023, Volume 10, Issue 2.
6. Mrs. Sangeetha B S, published a paper on “**Easy way of Drug Picking**”, IJEAST, Volume 08, issue 01,May 2023.
7. Mrs. Shyamala S.C, published a paper on “**Easy way of Drug Picking**”, IJEAST, Volume 08, issue 01,May 2023.
8. Mr. Chethan B R, published a paper on “**Easy way of Drug Picking**”, IJEAST, Volume 08, issue 01,May 2023.
9. Mr. Hanumanthappa Magalada, published a paper on “**Reconfigurable Microstrip Patch Antenna Design and Simulation for 5G Application**”, **International Journal of Scientific Research in Science and Technology**(UGC CARE list) ,May 2023, Volume 10 | Issue 12 | Print ISSN: 2395-6011 | Online ISSN: 2395-602X,16 June, 2023.
10. Mr Anil Kumar C, published a paper on “**VISION BASED HUMAN FALL DETECTION SYSTEM**”, IRJMETS Volume 05, Issue 04.

Paper Publications:



Call for Newsletter Articles



We need articles for future additions to the 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 and quotes of your own could be included.
- All of the above said matters could be accepted in English or kannada formats .

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

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Dr. Madhavi M, HoD ECE (Chief Editor)

Mrs. Sangeetha B S , Asst. Professor, Dept. of ECE, PESITM, Shivamogga.

Mrs. Kavya M P, Asst. Professor, Dept. of ECE, PESITM, Shivamogga.

Mr. Nischal (4th Sem, ECE)

Mr. Ujwal Bharadwaj (6th Sem, ECE)

Ms. Akshatha M A (8th Sem ECE)

Three Hobbies for LIFE: One to make your money, One to keep you in Shape, & One to be creative.



Thank You

<https://pestrust.edu.in/pesitm/branch/Electronics-and-Communications-Engineering>