Student Induction Program
Phase -I

Introduction on

INDUSTRY INSTITUTE INTERACTION (III)
PESCE

COMMITEE: Industry Institute Interaction (III)

Dr. H M Nanjundaswamy
Principal

PESCE

Dr. Vinay S
Vice Principal

Dr. R Girisha
Dean, III

Dr. Sadashiva M
Deputy Dean, III

Dept. Industry Institute Interaction (III) Coordinators

Program	Department III Coordinator	Co-coordinator
Electronics & Communication Engineering	Mahesh Kumar A S	Yeshwanth B
Mechanical Engineering	Ganapathy Bawge	Dr. Lakshmi Narasimha Murthy H R
Civil Engineering	R K Kumaraswamy	Dr. S Poorna Prajna
Computer Science & Engineering	Deepika	-
Information Science & Engineering	Rakshith N	-
Electrical & Electronics Engineering	H C Manohara	H R Chethan
Automobile Engineering	Akshay R N	Anand Raj S
Industrial & Production Engineering	M A Venugopal	M Sreenivasa
Master of Business Administration	Dr Somashekar P	Mahendra Kumar B R
Master of Computer Applications	K M Sowmyashree	Meghana B S

Objectives : **For the keen interest to foster collaboration and bridge the gap between academia and industry the institute forms a dedicated III committee**

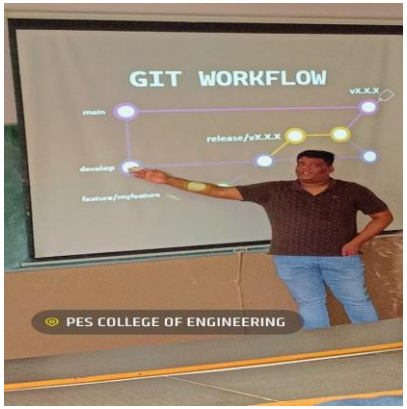
Importance of III:

- Bridges the gap between academic learning and industry requirements.
- Enhances student employability through internships and hands-on projects.
- Promotes the sharing of industry knowledge through technical talks and adjunct faculty.
- Facilitates real-world training via industrial visits and collaborations.
- Encourages research, innovation, and skill development tailored to industry needs.

ACTIVITIES OF III

- Adjunct faculty/ Experts talks/ POP
- Industry Collaborations (MOUs)
- Technical talk
- Work shop
- Industrial Visits
- Lab set up & process
- Curriculum Relevance & Industry Feedback
- Student Engagement (Interns & projects)
- Skill Enhancement & Entrepreneurship Support
- Research and Development & Professional Development

Adjunct faculty



The adjunct faculty talks:

- Offer students valuable insights into current industry practices and advanced topics within their disciplines.
- By connecting academic learning with real-world applications,
- Enhance students' practical knowledge,
- Better preparing them for professional roles and
- Future challenges in their respective fields.

Beyond Syllabus Activities for Students, Adjunct Faculties: 2023-24

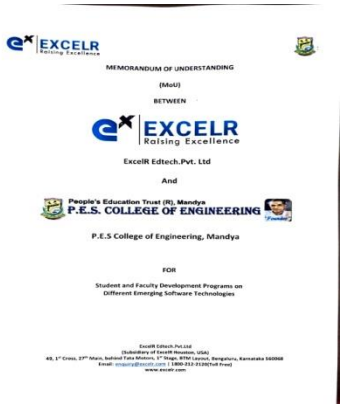
List of industrial Experts, Programme and Topic Covered

Programs	Subject / Subject Code	No. of Students opted	Resource Person	Represents
Electronics & Communication Engineering	Real Time Signal Processing using Simulink / P21EC6022	47	Dr. Shreekanth T	L&T Technology Services, Mysore
	Embedded systems / P21EC6023	51	Mr. Bhaskar G R	Semiconductor Industry, Bangalore
	Fundamentals of Network Communication/ P21EC6025	50	Dr Ullas P	Infosys, Mysore
Mechanical Engineering	Finite Element Method/ P21ME6022	48	Mr. Sharad Anand S	Collins Aerospace
	Production Management / P21ME6034	48	Mr. Prabhu Churi	HCL Tech.
Civil Engineering	Design of Steel Structure/ P21CV601	62	Mr. Rajesh M N	ABKJ Infrastructure and Design Solutions
	Geo-Technical Engineering/ P21CV604	62	Dr. Avinash N	Geocon Engineering
Electrical & Electronics Engineering	PLC and SCADA/ P21EE6021	59	Mr. Shashikiran M	Vidyut Automation
Computer Science & Engineering,	Practical Computer Networking	59	Manojna	CISCO
IS&E	Azure Fundamentals	16	B S Gokul	L&T
MCA	Git, Agile project management, Design architecture and design patterns	62	Aju Antony	Up Stock
MBA	Total Quality Management (TQM)	59	Mr. Prasad B P	Rossell Techsys, Bengaluru

List of Adjunct faculties and Topics Proposed 2024-25

Programs	Subject / Subject Code	No. of Students opted	Resource Person	Represents
Electronics & Communication Engineering	Fundamentals of object oriented language and data structures / P22EC5031	66	Dr. Ullas P	Senior analyst, Infosys, Mysore
	Computer organization/ P22EC5033	66	Stallon A Miranda	Senior product Manager, RPA, B'le
	ARM Processors/ P22EC5034	66	Devi Kumar G	Project Manager, L&T, Mysuru
Computer Science & Engineering	Cyber Security / P22CS505	69	Dr. Gururaj P	Cyber Security Engineer, DXC, B'le
		69	Samvrudhi K	Inf. Security Analyst, Nissan Motor, B'le
		61	Sanjay N S	Prodt. Security Engr, Honeywell, B'le
Information Science & Engineering	Software Engineering and Project Management /P22IS501	68	Ms. Pallavi Bedre	Software Specialist, Infosys, Mysuru
Computer Science & Engineering (AI & ML)	Managing Big Data/ P22AI5032	35	Mr. Praveen Kumar B N	Senior Big Data Engineer, Anteriad

Industry Collaborations (MOUs)



The advantages of MOU's :

- Offer students valuable insights into current industry practices and advanced topics within their disciplines.
- By connecting academic learning with real-world applications,
- Enhance students' practical knowledge,
- Better preparing them for professional roles and
- Future challenges in their respective fields.

Lab set up & Process

Data Science

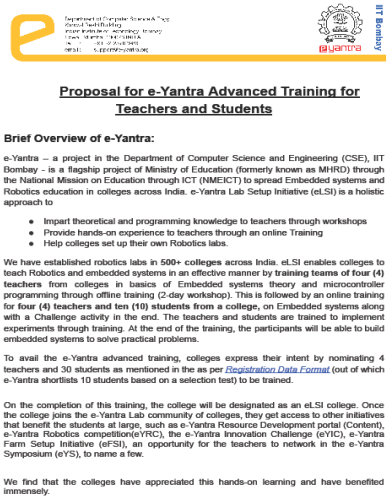
Network Forensic

Internet of Things

VLSI Design Laboratory

Medical and image processing

Monitoring of machine elements using machine vision



Proposal for e-Yantra Advanced Training for Teachers and Students

Brief Overview of e-Yantra:

e-Yantra – a project in the Department of Computer Science and Engineering (CSE), IIT Bombay - is a flagship project of Ministry of Education (formerly known as MHRD) through the National Mission on Education through ICT (NMEICT) to spread Embedded systems and Robotics education in colleges across India. e-Yantra Lab Setup Initiative (eLSI) is a holistic approach to

- Impart theoretical and programming knowledge to teachers through workshops
- Provide hands-on experience to teachers through an online Training
- Help colleges set up their own Robotics labs.

We have established robotics labs in **500+ colleges** across India. eLSI enables colleges to teach Robotics and embedded systems in an effective manner by **training teams of four (4) teachers** from colleges in basics of Embedded systems theory and microcontroller programming through offline training (2-day workshop). This is followed by an online training for **four (4) teachers and ten (10) students from a college,** on Embedded systems along with a Challenge activity in the end. The teachers and students are trained to implement experiments through training. At the end of the training, the participants will be able to build embedded systems to solve practical problems.

To avail the e-Yantra advanced training, colleges express their intent by nominating 4 teachers and 30 students as mentioned in the as per *Registration Data Format* (out of which e-Yantra shortlists 10 students based on a selection test) to be trained.

On the completion of this training, the college will be designated as an eLSI college. Once the college joins the e-Yantra Lab community of colleges, they get access to other initiatives that benefit the students at large, such as e-Yantra Resource Development portal (Content), e-Yantra Robotics competition(eYRC), the e-Yantra Innovation Challenge (eYIC), e-Yantra Farm Setup Initiative (eFSI), an opportunity for the teachers to network in the e-Yantra Symposium (eYS), to name a few.

We find that the colleges have appreciated this hands-on learning and have benefited immensely.

Vision:

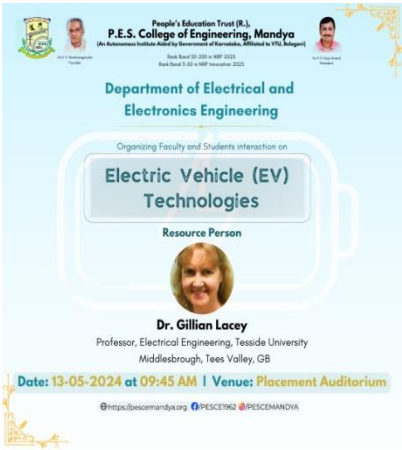
- Designed to promote innovation and hands-on learning.
- It provides advanced equipment and tools for students to enhance their practical skills
- In various engineering fields, bridging the gap between theoretical knowledge and industrial application,
- Fostering research, and encouraging technological development.

Industrial Visits

Benefits :

- Gaining insight into industrial processes and operations.
- Understanding workplace culture and professional expectations.
- Networking opportunities with industry professionals.
- Enhancing problem-solving and critical thinking skills.
- Encouraging career exploration and informed decision-making.

Workshops and Technical Talks



Take away:

- Enhanced Industry Exposure
- Skill Development
- Networking Opportunities
- Innovation and Problem-Solving
- Career Guidance

Projects exhibition

Bags Best Paper Award

A Technical paper entitled "Paddy Crop Disease Detection using Machine Learning" presented by students of Department of E&C Engineering of P.E.S. College of Engineering, Mandya — B.S. Prajwal Gowda, H.A. Nisarga, M. Rachana and S. Shashank — has bagged the Best Paper Award in the "National Conference on Communication and Data Science" conducted by GSSS Institute of Engineering and Technology, Mysuru in association with ISTE and IJERT on July 15. The award-winning students were felicitated by College Principal Dr. H.V. Ravindra. Head of the E&C Department Dr. K.A. Radhakrishna Rao, Dean (I.I.I) Dr. B.S. Shivakumara, Professor S. Vinay, Professor M. Punith Kumar and Guide B.S. Sahana Raj are also seen.

Not restricted to:

- **Curriculum Relevance & Industry Feedback**
- **Student Engagement (Interns & projects)**
- **Skill Enhancement & Entrepreneurship Support**
- **Research and Development & Professional Development**

Thank you

"Hard work beats talent when talent doesn't work hard." *— Tim Notke, Basketball Coach*

"Success isn't always about greatness. It's about consistency. Consistent hard work leads to success. Greatness will come." *— Dwayne "The Rock" Johnson, Actor*