



AISSMS

INSTITUTE OF INFORMATION TECHNOLOGY

ADDING VALUE TO ENGINEERING

An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC (A+ Grade) & NBA (5 UG Programs)



INSTRUMENTATION DEPARTMENT

ACADEMIC YEAR 2025-26(SEM)

CONTENT:

Vision Mission –

Program Outcome–

Achievement–

Topper's List–

Placement–

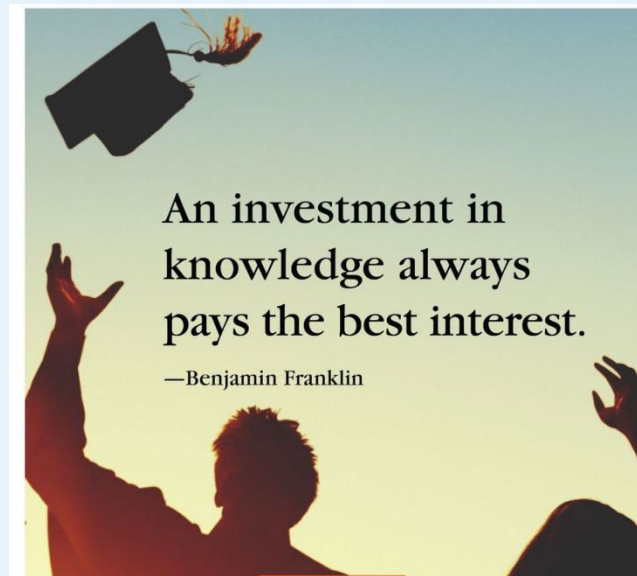
MOU's–

Activity–

Faculty Participation–

Industrial Visit–

NIRANTAR



Vision

To be recognized as one of the best instrumentation engineering program by developing globally component engineers, researchers and entrepreneurs to solve real life problems through skill-based education.

Mission

M1 –To promote learning for skill-based education and emerging technologies to make students globally component.

M2 –To create conducive environment for research, innovations and entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES:

- PEO1- Solve real life problems by applying the knowledge of instrumentation technology.
- PEO2-Excel in diverse career paths like higher studies, research and entrepreneurship.
- PEO3-Contribute as a socially responsible citizen for the development of nation.

PROGRAM SPECIFIC OBJECTIVES:

- PSO1-Graduates will be able to apply their knowledge of measurement and control to solve the problems related to environment, safety, health and agriculture sector.
- PEO2-Graduates will be to demonstrate their skills on programmable logic controller, lab-view, distributed control system and internet of things.

PROGRAM OUTCOMES:

ENGINEERING GRADUATES WILL BE ABLE TO

1. Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.[Engineering Knowledge].
2. Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.[Problem analysis].
3. Design solutions for complex engineering problems and design system components of processes that meet the specified needs with appropriate considerations.[Design/development of solutions].
4. Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.[Conduct investigations of complex problems].
5. Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.[Modern tool usage].
6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.[The engineer and society].
7. Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.[Environment and sustainability].
8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.[Ethics].
9. Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings. [Individual and team work].
10. Communicate effectively on complex engineering activities with the engineering community and with society or large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations and give receive clear instructions.[Communication].
11. Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.[Project management and finance].
12. Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.[Life-long learning].

ACHIEVEMENTS





प्रमाणपत्र सं. / Certificate No.: LD-20250174373

प्रतिलिप्याधिकार कार्यालय, भारत सरकार | Copyright Office, Government Of India
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प्रतिलिप्याधिकार रजिस्टर से उद्धरण | Extracts from the Register of Copyrights

आवेदन सं. / Application No.: LD-23710/2025-CO **दाखिल करने की तिथि / Date of Filing:** 14/06/2025

एतद्वारा यह प्रमाणित किया जाता है कि प्रतिलिप्याधिकार अधिनियम, 1957 के प्रावधानों के अनुसार उपर्युक्त आवेदन में प्रकट किए गए "WIRELESS LEVEL MEASUREMENT USING PLC" नामक कार्य के लिए प्रतिलिप्याधिकार प्रदान किया गया है।
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प्रकाशक विवरण / Publisher Details: N.A.

कार्य की भाषा / Language of the Work: English

कार्य का विवरण / Description of the Work: PLC based control systems with wireless technology can be effectively used to address and improve resource management & operational efficiency by providing an automated method of water level management

(शर्तें / टिप्पणियाँ, यदि कोई हों) / (Conditions/ Remarks, if any): N.A.

आर. ओ. सी. जारी होने की तिथि / Date of ROC: 25/09/2025




Registrar of Copyrights



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत



This certificate is awarded to
KULKARNI SHEETAL VIJAY
for successfully completing the course



Economics of IPR

with a consolidated score of **77** %

Online Assignments	23.83/25	Proctored Exam	53.25/75
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Total number of candidates certified in this course: **119**

Prof. Andrew Thangaraj

Chair

Centre for Outreach and Digital Education, IITM

Jul-Aug 2025

(4 week course)

Prof. Vignesh Muthuvijayan

NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25HS151S445403437

To verify the certificate



No. of credits recommended: 1 or 2

OUR TOPPER'S 2024-24

BE

- KULKARNI SONALI VINAY –
9.45

TE

- MAHAJAN AKANKSHA
SOMNATH – 8.9

SE

- Rajvardhan Dilip Barage – 8.5

PLACEMENTS 2025-26

Sr.No.	Name Of Student	Branch	Name of Company	Year of Passing
1	Manasi Kadam	B.Tech Instrumentation	Thynk Technology India	2025-26
2	Abhishek Ganesh Kapse	B.Tech Instrumentation	Virtuso Projects and Engineering Pvt Ltd	2025-26
3	Yuvraj Borate	B.Tech Instrumentation	Rexel India Private Limited	2025-26
4	Aditi Avhad	B.Tech Instrumentation	Thynk Technology India	2025-26
5	Kashish Wani	B.Tech Instrumentation	Infosys	2025-26
6	Om Borale	B.Tech Instrumentation	Honeywell	2025-26
7	Shruti Nimbalkar	B.Tech Instrumentation	Emerson	2025-26
8	Bhagyashree Kadam	B.Tech Instrumentation	Honeywell	2025-26
9	Shekhar Khatpe	B.Tech Instrumentation	Intervision Technology Pvt Ltd	2025-26
10	Dhananjay Rathod	B.Tech Instrumentation	Honeywell	2025-26
11	Swardha Narote	B.Tech Instrumentation	Honeywell	2025-26

Sr.No.	Name Of Student	Branch	Name of Company	Year of Passing
12	Saniya Jadhav	B.Tech Instrumentation	Emerson	2025-26
13	Sakshi Jape	B.Tech Instrumentation	Emerson	2025-26
14	Akanksha Mahajan	B.Tech Instrumentation	Emerson	2025-26
15	Arya Kulkarni	B.Tech Instrumentation	Emerson	2025-26
16	Sakshi Pasarge	B.Tech Instrumentation	Tecnimont	2025-26
17	Viraj Pednekar	B.Tech Instrumentation	Tecnimont	2025-26
18	Om Sudke	B.Tech Instrumentation	Unitech	2025-26
19	Kunal Patil	B.Tech Instrumentation	Unitech	2025-26

PLC SCADA Synergy



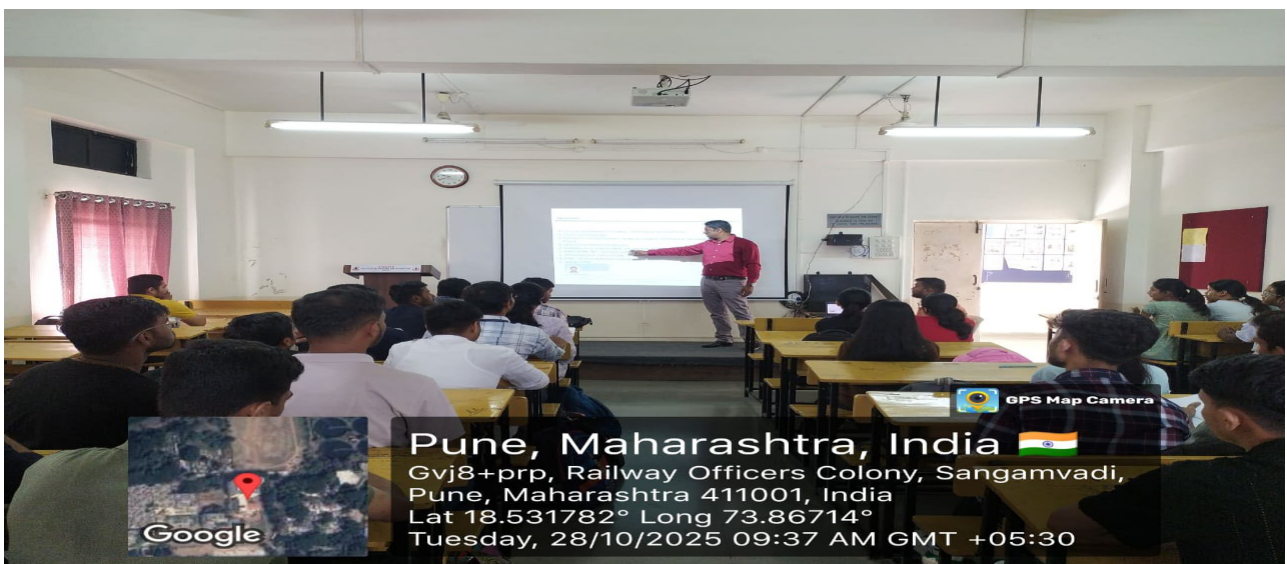
PLC SCADA Synergy training conducted for Thermax Engineers by Dr. Shashikant R. Kale on 10th December 2025 (Thermax Premises) and 11th December 2025 (AISSMS IOIT Labs). A hands-on, practical-oriented training program focused on real-time PLC, SCADA, and I/O interfacing applications.



Industrial Automation Training for Celestial Institute of Technology is being conducted by Dr. Shashikant R. Kale (Assistant Professor, Department of Instrumentation Engineering, AISSMS IOIT, Pune).

ACTIVITY

Workshop



AISSMS Institute of Information Technology, Pune – Innovations, Incubation & Entrepreneurship Development Cell (IIEDC) in association with Institution’s Innovation Council (IIC) and ISTE-ISA Students Chapter, in association with the Department of Instrumentation Engineering, organized an expert session on “Intellectual Property Right and Patent” under the theme of IPR Awareness, Scope and Opportunities of Entrepreneurship, Innovation, Copyright and Internal Trade, National Intellectual Property Rights. The expert session was conducted by Advocate Pallavi Rahul Kadam, Designated Partner, IP Adventure LLP, Pune, on 19th July 2024 from 1:15 PM to 2:15 PM. The session was attended by TY and BE students along with faculty members, and it provided valuable insights into the importance of intellectual property rights, patent procedures, and innovation protection. The expert lecture was successfully organized by Mr. P. U. Palkar.



AISSMS Institute of Information Technology, Pune – Department of Instrumentation Engineering organized an expert lecture on “Intellectual Property Rights, Copyright, Patent and Design Patent” for TY B.Tech students as part of academic enrichment activities. The expert session was conducted by Advocate Pallavi Kadam, Designated Partner, IP Adventure LLP, Pune, who has 16 years of experience in the field of Intellectual Property Rights. The expert lecture was held on 07th August 2025 and was attended by 41 students along with faculty members including Mr. P. U. Palkar and Dr. V. V. Kale. The session focused on introduction to Intellectual Property Rights, patent information, basics of patent drafting, copyright filing, patent search and filing procedures. The lecture helped students to understand innovation protection, career opportunities in IPR, and encouraged creativity and awareness regarding intellectual property laws. The expert session was successfully coordinated by Mr. Pradeep U. Palkar.

Faculty Development Program



IIT Bombay eLSI is organizing a two-day faculty workshop on 27/11/2025 to 28/11/2025 on Basics of Embedded Systems and Robotics. The program offers a practical, problem-solving approach to embedded and robotics applications, enabling participants to apply these concepts to real-world challenges. A follow-up two-week course is also available to help strengthen and refine the skills learned. This Workshop Attended by Dr.S.R.Kale and Mr.P.U.Palkar.

Proud Moment for Our Department!



We are delighted to share that the students from the Instrumentation Department have been honored with the FSAI FIST Award – Students’ Project of the Year! This achievement is a testament to their hard work, dedication, and innovative spirit. Our heartfelt gratitude to our esteemed Principal, Dr. P. B. Mane, for his constant encouragement and guidance, and to Dr. V. V. Kale, HOD of Instrumentation, for her unwavering support and mentorship.





ERTS Lab
Department of Computer Science and Engineering
Indian Institute of Technology Bombay,
Powai, Mumbai-400 076.

Date of Issue: 01-12-2025

eYantra



Certificate of Merit

This certificate is awarded to **Mr. Bhairavnath Parshuram Borate**, from **All India Shri Shivaji Memorial Society's Institute of Information Technology, Maharashtra**, for his/her outstanding performance in the **eLSI: Basics of Embedded Systems and Robotics**, MOOC conducted as a part of the **e-Yantra Lab Setup Initiative (eLSI)**.

He/She has secured **98** out of **100** marks. The student has acquired the following skillset during the course period:

1. ATmega2560 microcontroller
2. Register manipulation
3. Interfacing of IO devices, ADC, PWM and Interrupts
4. Embedded C programming
5. Simulation using SimulIDE Software

Prof. Shivaram Kalyanakrishnan
Principal Investigator, e-Yantra
Associate Professor
Department of Computer Science and Engineering
Indian Institute of Technology Bombay



Engineering a better tomorrow

e-Yantra is a project sponsored by MHRD, Government of India, under the National Mission on Education through ICT (NMEICT).

Certificate of Merit: awarded to the participant for outstanding performance in the course
Certificate of Completion: awarded to the participant for completing all the tasks in the course
Certificate of Participation: awarded to the participant for partial completion of tasks in the course

This certificate is awarded to Mr. Bhairavnath Parshuram Borate, from All India Shri Shivaji Memorial Society's Institute of Information Technology, Maharashtra, for his/her outstanding performance in the eLSI: Basics of Embedded Systems and Robotics, MOOC conducted as a part of the e-Yantra Lab Setup Initiative (eLSI). He/She has secured 98 out of 100 marks. The student has acquired the following skillset during the course period:

1. ATmega2560 microcontroller
2. Register manipulation
3. Interfacing of IO devices, ADC, PWM and Interrupts
4. Embedded C programming
5. Simulation using SimulIDE Software

Industrial Visits



The Department of Instrumentation Engineering, AISSMS Institute of Information Technology, Pune, successfully organized an Industrial Visit (i-Connect – Industry Collaboration) to the Center of Excellence in I Robotics (COEIR), Chikhali, Pune. The industrial visit was arranged to provide practical industrial exposure to final-year B.Tech (Instrumentation Engineering) students through sponsored project collaboration.

During the visit, students actively interacted with industry professionals from KAUSTYA Robotics Limited and I Robotics Innovative Solutions, leading companies specializing in automation, advanced robotic systems, and industrial Internet of Things (IIoT) solutions. The students were introduced to real-time industrial applications, robotic automation setups, control systems, and smart manufacturing practices.

The visit offered students a valuable platform to understand industry expectations, apply theoretical concepts to real-world projects, and enhance their technical and problem-solving skills. Mr. Vijaykumar Gaddam provided valuable insights into industrial robotics, project execution, and innovation practices, which greatly benefited the students.

The industrial visit was attended by faculty members Dr. V. V. Kale, Dr. B. N. Mohapatra, Mrs. S. V. Kulkarni, and Ms. S. R. Garthe, ensuring effective academic coordination and guidance throughout the program. The department extends sincere gratitude to the Principal, Dr. P. B. Mane, for his continuous guidance and support in strengthening industry-academia collaboration.

The industrial visit successfully achieved its objectives by bridging the gap between academic learning and industrial practices, thereby enhancing students' industry readiness and professional competencies.



The Department of Instrumentation Engineering, AISSMS Institute of Information Technology, Pune, organized an Industrial Visit to Pune Techtrol Pvt. Ltd., Pune on 23rd September 2025 for SY B.Tech Instrumentation Engineering students. The visit provided practical exposure to level measurement, process automation, and industrial instrumentation practices. Faculty members Dr. V. V. Kale, Dr. A. A. Shinde, Mrs. S. V. Kulkarni, Dr. B. N. Mohapatra, and Mrs. G. S. Khadtare accompanied the students under the guidance of Dr. V. V. Kale (HoD) and Dr. P. B. Mane (Principal).

Photo Gallery

