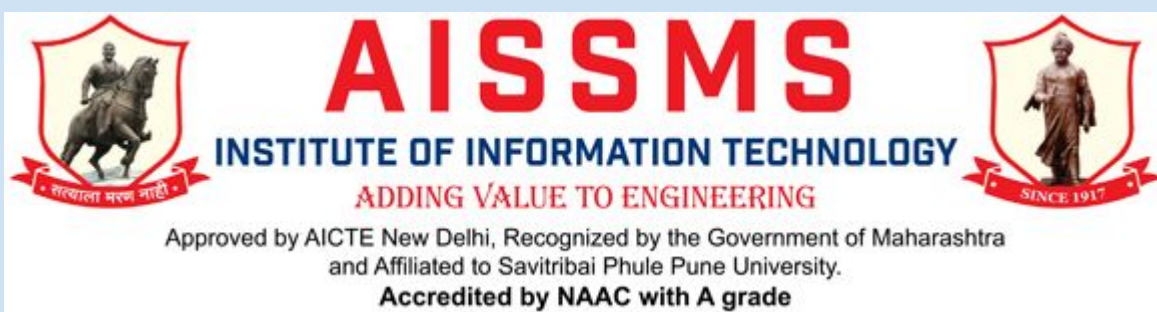




INSTRUMENTATION DEPARTMENT

ACADEMIC YEAR 2025-26(SEM II)

CONTENT:

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NIRANTAR



Vision

To be recognized as one of the best instrumentation engineering programs by developing globally competent 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 competent.

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

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

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 the nation

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Graduates will be able to apply their knowledge of measurement and control to solve problems related to the environment, safety, health, and agriculture sectors.

PSO2: Graduates will be able to demonstrate their skills in Programmable Logic Controllers (PLC), LabVIEW, Distributed Control Systems (DCS), and the Internet of Things (IoT).

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, review research literature, and analyze complex engineering problems using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate considerations.

PO4: Use research-based knowledge and research methods, including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling, with an understanding of their limitations.

PO6: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal, and cultural issues and the responsibilities relevant to professional engineering practice.

PO7: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics, responsibilities, and norms of engineering practice.

PO9: Function effectively as an individual and as a member or leader in diverse teams and multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities through effective reports, documentation, presentations, and clear instructions.

PO11: Demonstrate knowledge of engineering and management principles and apply them to manage projects and work effectively in multidisciplinary environments.

PO12: Recognize the need for, and have the preparation and ability to engage in, independent and lifelong learning in the broadest context of technological change

Department Toppers

Academic Excellence · 2025-26

SECOND YEAR

SY

1



**Madhur
Waghrukhar**

9.18 SGPA

2



Shrikar Wadekar

8.57 SGPA

3



Swayam Kandi

8.46 SGPA

THIRD YEAR

TY

1



Aditya Mandge

8.62 SGPA

2



Pranjali Shelke

8.59 SGPA

3



Sakshi Patil

8.52 SGPA

ACHIEVEMENTS

Kaushal Kolse secured First Prize along with ₹3,000 in prize money at the ISA Pune Section Student-Led Conference 2026 for presenting the poster, AI-Based Smart Grain Storage Monitoring System.





INTELLECTUAL
PROPERTY OFFICE
INDIA
Geographical Indications



भारत सरकार
भारत

ORIGINAL
नं. पं. / Serial No. : 227861



पेटेंट कार्यालय, भारत सरकार **The Patent Office, Government Of India**

डिजाइन के पंजीकरण का प्रमाण पत्र **Certificate of Registration of Design**

दिनांक नं. / Design No. : 479815-001

तारीख / Date : 11/11/2025

परस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित दिनांक जो **AUTOMATED COLOR SORTING AND COUNTING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-99 में 1.Pradeep uttamrao palkar 2. Dr Vandana Vishwanathrao Kale 3.Jayesh Khartode 4.Ghansham Gande 5.Aditya Gaikwad के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-99 in respect of the application of such design to **AUTOMATED COLOR SORTING AND COUNTING MACHINE** in the name of 1.Pradeep uttamrao palkar 2. Dr Vandana Vishwanathrao Kale 3.Jayesh Khartode 4.Ghansham Gande 5.Aditya Gaikwad.

दिनांक अविनियम, 2000 तथा दिनांक नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.



नियंत्रक पेटेंट, डिजाइन और वाणिज्य चिह्न

Controller General of Patents, Designs and Trade Marks

जारी करने की तिथि : 23/03/2026

Date of Issue :

*परस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के विधानों के अर्थानुसार, पाँच वर्षों की अवधि के लिए किया जा सकता है। इस प्रमाण पत्र का उपयोग विधिक कार्रवाईओं अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

ACHIEVEMENTS

Student

Achievements:

Jidnya Jadhav and Vedant Adsul secured First Prize in the Robo Race Competition at **NOESIS 2026** held at Ajinkya D. Y. Patil College, Lohegaon and were also honoured with the **Best Performance Award** for their excellent technical skills, coordination and innovative approach during the event.

A team comprising Vedant Adsul, Bhairavnath Borate, Siddhant More and Snehit Bhosale, Jidnya Jadhav secured First Prize with a **cash reward of ₹10,000 in the Robo Race Competition** organised at Ajinkya D. Y. Patil College, Lohegaon

Siddhant Gawai, Snehit Bhosale, Pratish Ghagare and Jayesh Chaudhari from SY Instrumentation Engineering secured **Second Prize at ROTAREX 2026**, a State Level Project Exhibition and Competition held at Yashoda Technical Campus, Satara, and received a **cash prize of ₹9,000** for their project, **IoT-Based Smart Health Monitoring System & Medicine Dispenser**.

Staff Achievement:

2 Faculty successfully filed and were granted a Design Patent for their innovation Automated Colour Sorting and Counting Machine which integrates PLC, sensors and data tracking to develop an intelligent sorting and counting system. **Prof.Palkar P.U & Dr.V.V .Kale**.

Faculty start e-yantra lab set up initiative through IIT Bombay. eLSI: Basics of Embedded System and Robotics.

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

ACTIVITY

FSAI WORKSHOP From 9/02/2026 to 13/02/2026

To enhance technical competency and workplace readiness, the Department of Instrumentation Engineering, in collaboration with the Fire & Security Association of India (FSAI), successfully conducted a comprehensive five-day workshop. The program was designed to provide students with a deep dive into the integration of Internet of Things (IoT) technologies within the domains of fire safety and industrial risk management



ACTIVITY

. Guest lecture 17/03/2026

The Innovations, Incubation & Entrepreneurship Development Cell (IIEDC), in collaboration with the Institution's Innovation Council (IIC) and the Department of Instrumentation Engineering at AISSMS Institute of Information Technology, Pune, successfully organized an expert session titled "Protecting IPR and IP Management for Start-ups." The event was coordinated by Mrs Sheetal V. Kulkarni under the guidance of Dr Vandana Kale - Hasnabade (HOD, Instrumentation Engineering) and Dr Pradeep Mane, Principal, AISSMS IOIT Pune.



ACTIVITY

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.



Industrial Visits

Industry visit to INSTRON **Date: 16/03/2026**

The Department of Instrumentation Engineering organized a highly productive industrial visit to Instron Technologies in Bhosari, Pune. organized by Dr B. N.Mohapatra and accompanied by Miss S Garthe. This initiative aimed to bridge the gap between theoretical academic concepts and real-world industrial applications.



Industrial Visits

. Industrial visit to Wilo, Shirwal

The Instrumentation Department organized an industrial visit to Wilo, Shirwal under FSAI. The visit was coordinated by Dr. Badri Narayan Mohapatra along with faculty members. Students gained valuable insights into industrial operations, making the visit informative and beneficial.



Photo Gallery



Photo Gallery

