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Sarvajanik College of Engineering & Technology, Surat

Constituent institute of Sarvajanik University

Report on Expert Lecture Under DPS-AICTE Scheme



Research & Development Instrumentation & Control Department



Shri Sitaram Somani Faculty of Instrumentation & Control Engineering
Sarvajanik College of Engineering & Technology
Constituent college of Sarvajanik University, Surat

invites you to
Expert Lecture
On
Industrial Automation - Basics, Trends & Opportunities & Industry 4.0
under DPS-AICTE



Er. Mahendra Kane

Date: 27th February, 2026
Time: 11:00 to 1:00 pm and 2:00 to 4:00pm
Venue: EC-AV Room

Resource Person:
Er. Mahendra Kane
Seasoned Industry Professional
Certified Youth Career Mentor
AICTE-Distinguished Professional
Industry 4.0 Enthusiast
mahendra.kane@gmail.com

Event Detail

Date: 27th February, 2026

Time: 11: 15 am to 4:00pm

Venue: ECAV classroom, I&C, SCET, Surat

Expert : Mr. Mahendra kane

Participants: 45 students of BTech II and BTech III I&C

An expert lecture on “**Industrial Automation – Basics, Trends & Opportunities and Industry 4.0**” was organized by Shri Sitaram Somani Faculty of Instrumentation & Control Engineering, Sarvajani College of Engineering & Technology, Surat under DPS-AICTE on **27th February 2026** at the EC-AV Room.

The session was delivered by **Er. Mahendra Kane**, a seasoned industry professional with more than 22 years of experience in the field of Industrial Automation. He is currently working as Solution Engineering Project Manager at Siemens Ltd, **Mumbai**. He is an AICTE-Distinguished Professional, and an Industry 4.0 enthusiast.

A total of 46 students from Second and Third Year Instrumentation Engineering attended the lecture.

Profile of the Resource Person

Mr. Mahendra Kane is a seasoned industry professional with over 22 years of rich experience in Industrial Automation. He is working as Solution Engineering Project Manager at Siemens Ltd. Mumbai. He has wide experience in Application Development, Control Cabinet Engineering and Commissioning of Motion Controller, PLC, SCADA, Drives etc. He has also expertised in Project Management, Customer Training, Sales and Business Development. He is well versed with latest technology of Industry 4.0 as IoT, AI, Digital Twin, AR/VR etc.

Objectives of the Lecture

To provide fundamental knowledge of Industrial Automation.

To explain current industry trends and technological advancements

To introduce students to the concept of Industry 4.0.

To guide students regarding career opportunities in automation and digital transformation.

Highlights of the Session

During the session, Er. Mahendra Kane covered following main area:

- ◆ Basics of Industrial Automation
- ◆ Importance of automation in modern industries.
- ◆ Role of control systems in improving productivity and efficiency.
- ◆ Role of Industrial Drives in energy saving.
- ◆ Explanation of Modern Digital technology.
- ◆ Career guidance to students.

He covered Modern Emerging Trends in Automation through interesting videos explaining Digitalization in industries. He covered the need of integration of AI and

IoT in manufacturing industries, Smart factories and data-driven decision-making. Through various examples he covered understanding of digital Twin , Cloud and Edge Computing technology. He covered role of AI in Predictive Maintenance.

He guided the students about different career path for Instrumentation and Automation engineers. He insisted continuous updation of skills through certifications through udemy and coursera.

Er. Mahendra Kane shared practical examples from his industry experience, which helped students understand real-world applications of automation technologies.

Outcome of the Lecture:

Students gained clear knowledge of Fundamentals of Industrial Automation and Practical industrial applications in various sectors.

Students developed understanding of Digital Transformation concepts, Applications of AI, IoT, Digital Twin, and Cloud Computing in industries.

Students gained clarity about career opportunities in Industrial Automation. And understood the importance of skill development, certifications, and internships.

Conclusion

The expert lecture was highly informative and beneficial for the students of Instrumentation Engineering. It provided valuable insights into Industrial Automation, Industry 4.0, and emerging technologies shaping the future of the students. The session enhanced students' understanding of industry requirements and motivated them to develop technical competencies aligned with current market trends.

Glimpses of the Expert Lecture:





Attendance of Participants

Enrolment No.	Name	SIGNATURE
ET24BTIC002	BHAGAT HEER HITENDRA	<i>[Signature]</i>
ET24BTIC005	Riva Bhikadiya	<i>[Signature]</i>
ET24BTIC006	Tanisha Chudasama	<i>[Signature]</i>
ET24BTIC007	Deep Shah	<i>[Signature]</i>
ET24BTIC008	DESAI HITANSHU SAURABH	<i>[Signature]</i>
ET24BTIC009	DEVARSHI PATEL	<i>[Signature]</i>
ET24BTIC010	DIVYA MAYURKUMAR PATEL	<i>[Signature]</i>
ET24BTIC011	DOCTOR KESHVI VIKAS	<i>[Signature]</i>
ET24BTIC012	FIFADRA KRISH SHAILESH	<i>[Signature]</i>
ET24BTIC013	Utsav gohil	<i>[Signature]</i>
ET24BTIC014	Dev Jariwala Snehal Kumar	<i>[Signature]</i>
ET24BTIC015	KACHIYA NIHAL ISHVARBHAI	<i>[Signature]</i>
ET24BTIC016	Kapadiya Niru Chandubhai	<i>[Signature]</i>
ET24BTIC017	KORGAONKAR NEEL PRAVIN	<i>[Signature]</i>
ET24BTIC018	Labdhi Banthia	<i>[Signature]</i>
ET24BTIC020	Tanvi Nakrani	<i>[Signature]</i>
ET24BTIC022	Khushi Panchal	<i>[Signature]</i>
ET24BTIC023	PATEL JASH HIRENKUMAR	<i>[Signature]</i>
ET24BTIC025	PATEL KALASH VISHAL	<i>[Signature]</i>
ET24BTIC026	Kripa Patel	<i>[Signature]</i>
ET24BTIC029	PATEL RUTAL PINKALKUMAR	<i>[Signature]</i>
ET24BTIC030	Shreya Puranik	<i>[Signature]</i>
ET24BTIC031	Shaikh Affan	<i>[Signature]</i>
ET24BTIC032	SONANI HARSHIL JAYESH BHAI	<i>[Signature]</i>
ET24BTIC034	VEKARIYA JEMIL SURESHBHAI	<i>[Signature]</i>
ET24BTIC035	VIRANI BHUMIT JAGDISHBHAI	<i>[Signature]</i>
ET24BTIC036	Vyas Pruthvi Dhananjay	<i>[Signature]</i>
ET25BTIC801	Daksh Patel	<i>[Signature]</i>
ET25BTIC802	Krish Rakeshbhai Patel	<i>[Signature]</i>
ET25BTIC803	Ved Dilipbhai Patel	<i>[Signature]</i>

Name of the Student	Enrollment No.	SIGNATURE
ANANTHIA DEL NITESH	ET23BTIC001	<i>[Signature]</i>
ANANTHIA DEL NITESH	ET23BTIC002	<i>[Signature]</i>
ANANTHIA DEL NITESH	ET23BTIC003	<i>[Signature]</i>
ANANTHIA DEL NITESH	ET23BTIC004	<i>[Signature]</i>
ANANTHIA DEL NITESH	ET23BTIC005	<i>[Signature]</i>
ANANTHIA DEL NITESH	ET23BTIC006	<i>[Signature]</i>
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ANANTHIA DEL NITESH	ET23BTIC048	<i>[Signature]</i>
ANANTHIA DEL NITESH	ET23BTIC049	<i>[Signature]</i>
ANANTHIA DEL NITESH	ET23BTIC050	<i>[Signature]</i>

Feedback Received by Few Participants

Was the topic of lecture relevant to industry/modern technology ? *

12345

Strongly DisagreeStrongly Agree

Rate on Speaker knowledge and capacity to engage the students throughout the session *

123

poorExcellent

How would you rate the speaker's overall performance. *

123

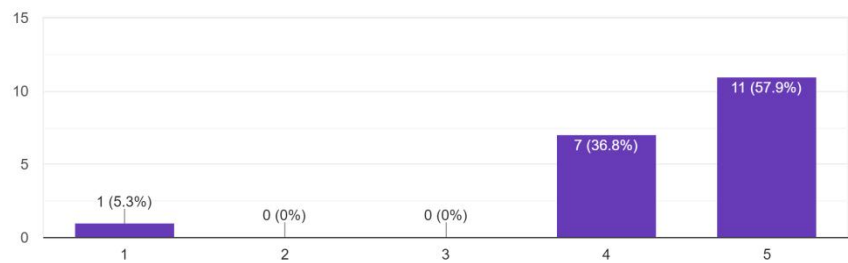
Very PoorExcellent

How would you rate the overall quality of the speaker's presentation and the relevance of the content delivered? *

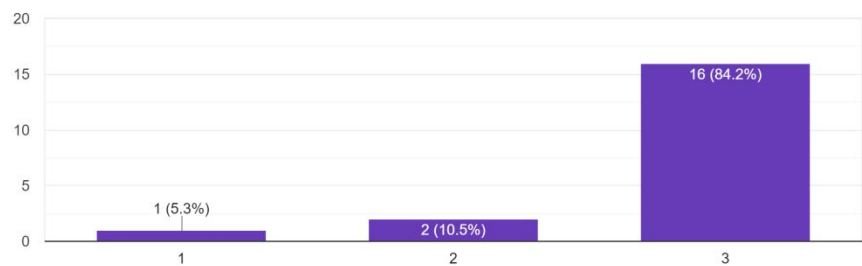
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PoorExcellent

Was the topic of lecture relevant to industry/modern technology ?
19 responses

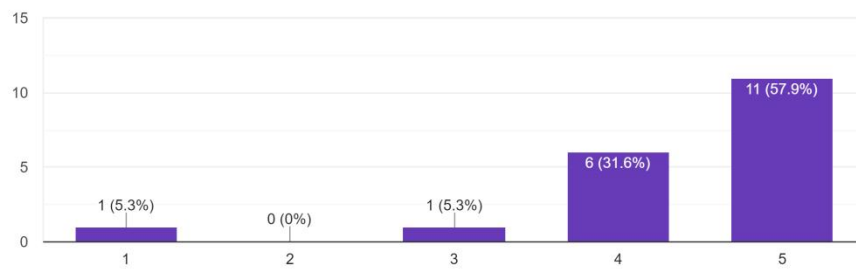


Rate on Speaker knowledge and capacity to engage the students throughout the session
19 responses



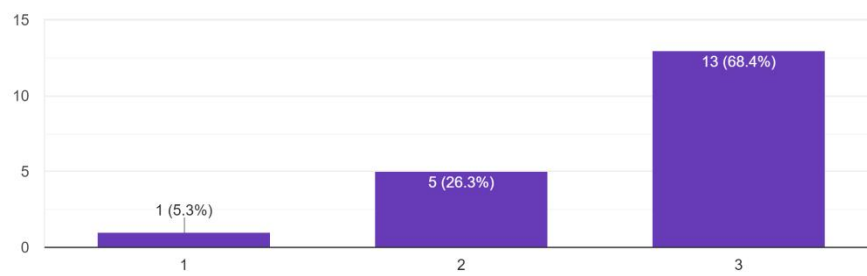
How would you rate the overall quality of the speaker's presentation and the relevance of the content delivered?

19 responses



How would you rate the speaker's overall performance.

19 responses



Report prepared and Edited by
Dr. Tejal Joshi, Associate Professor, SCET