



Short-term value-added course on
“Industrial automation & IoT”

Training Completion Report

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Workshop Title: Industrial automation & IoT

Dates: 20-July to 24-July 2026 & 19-August 2026 (6 days)

Venue: CoE-Robotics & PLC,PG Block

Mode: Offline

Target Audience: Engineering Students (Final year Mechanical)

No. of Participants: 60

Trainer: Ms. Sivaranjani, Centre Head(ESDM),CoE-Robotics & PLC
Mr.Naresh, Associate Trainer, CoE-Robotics & PLC

TOPICS COVERED

- Sensors & Signal Conditioning
- PLC Programming
- HMI Development
- IoT Basics & Programming for real time tasks
- IoT with NodeMCU (Advanced), Cloud integration

STUDENT PARTICIPATION



- 60 students actively participated
- Real-time doubt resolution
- Collaborative coding environment
- Each student completed assigned hands-on tasks

TRAINING SESSION GLIMPSES





HIGHLIGHTS

- **Active Student Engagement:**

Students showed high participation in coding and debugging exercises.

- **Peer Learning:**

Students assisted each other in logic building and error correction.

- **Practical Exposure:**

Direct experience with industry-standard PLC software.

- **Mini Project assignment:**

Teams selected projects and will develop & demonstrate it with IoT concepts.

OUTCOMES

- Students gained practical programming skills applicable in industrial automation.
- Improved problem-solving approach through real-time troubleshooting.
- Enhanced teamwork and collaboration.

CLOSING CEREMONY



FEEDBACK
COLLECTION SESSION



CLOSING REMARKS BY
RESOURCE PERSON

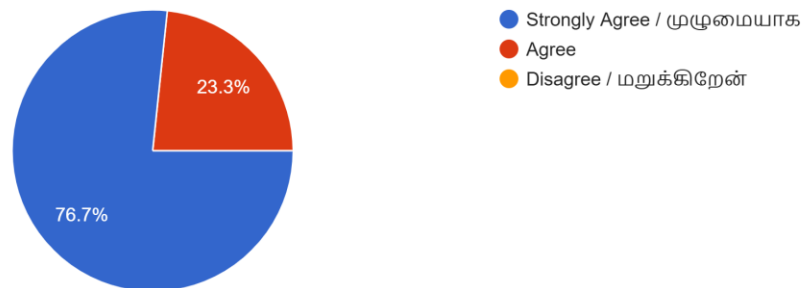


GROUP PHOTO WITH
PARTICIPANTS

FEEDBACK RECEIVED FROM PARTICIPANTS

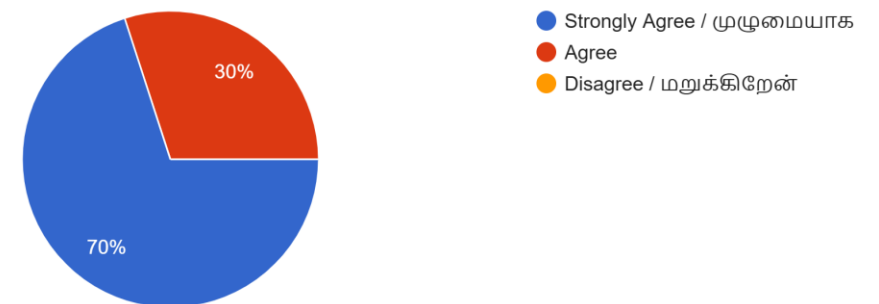
The objectives of the workshop were clearly defined. பயிற்சியின் நோக்கங்கள் தெளிவாக விளக்கப்பட்டன.

60 responses



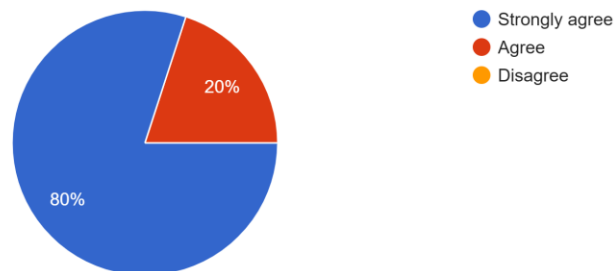
The content was relevant and easy to follow. பயிற்சியின் உள்ளடக்கம் பொருத்தமானதும், எளிமையானதும் இருந்தது.

60 responses



The resource persons were knowledgeable and clear in their explanations. வழிகாட்டுநர்கள் நுண்ணறிவும் தெளிவான விளக்கமும் வழங்கினர்.

60 responses



What did you like most about this workshop?

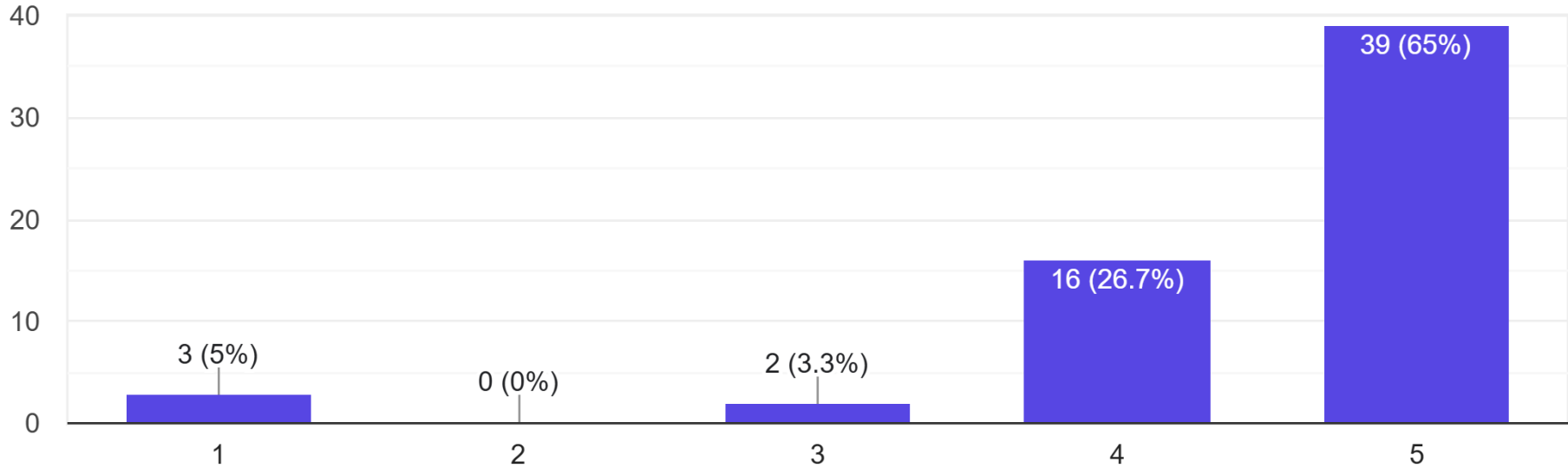
இந்த பயிற்சியில் மிகவும் பிடித்த விஷயம் என்ன?

60 responses

Doing arduino projects in practical session
Practically worked the Bluetooth connection and etc..
Software and practical learning
Very good
HANDS ON PRACTICE
Practice class
Practical activities

FEEDBACK RECEIVED FROM PARTICIPANTS

Rate the overall experience: மொத்த பயிற்சி அனுபவத்திற்கு மதிப்பீடு அளிக்கவும்:
60 responses



GROUP PHOTO



THANK YOU

Heartfelt thanks to

