



Short-term value-added course on “Automation Engineering”

Training Completion Report

Training Completion Report

Workshop Title: Automation Engineering

Dates: 03-08-2026 to 04-08-2026 & 31-08-2026 to 02-09-2026

Venue: CoE-Robotics & PLC,PG Block

Mode: Offline

Target Audience: Engineering Students (II year CSE)

No. of Participants: 57

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

TRAINING OBJECTIVES

- Strengthen Python programming fundamentals
- Develop GUI-based applications using Tkinter
- Implement structured data storage using CSV & Pandas
- Apply data analysis and visualization techniques
- Build real-world data-driven applications
- Apply Object-Oriented Programming (OOP) concepts
- Enable end-to-end application development approach

TOPICS COVERED

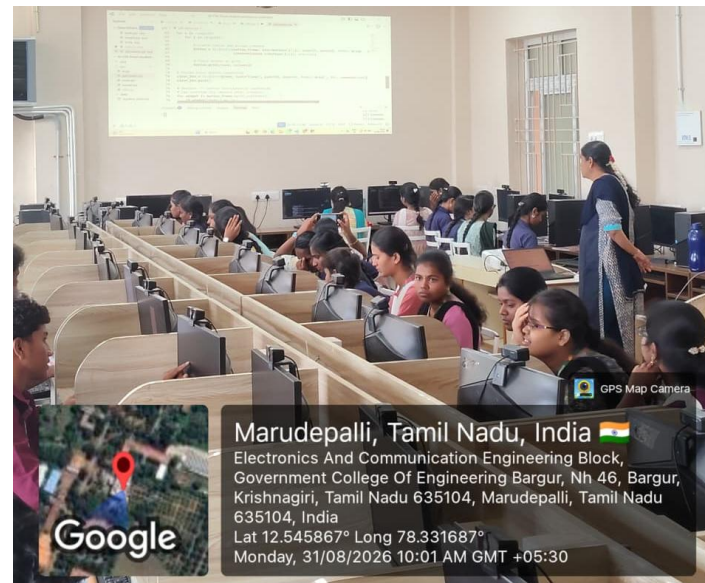
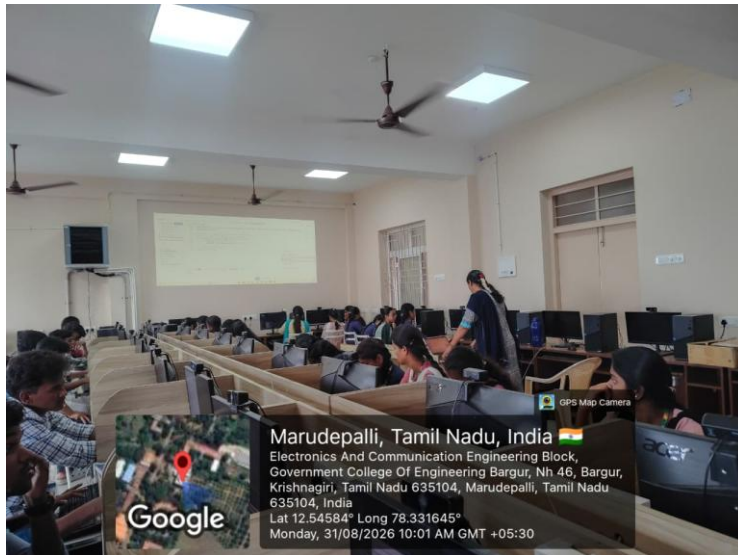
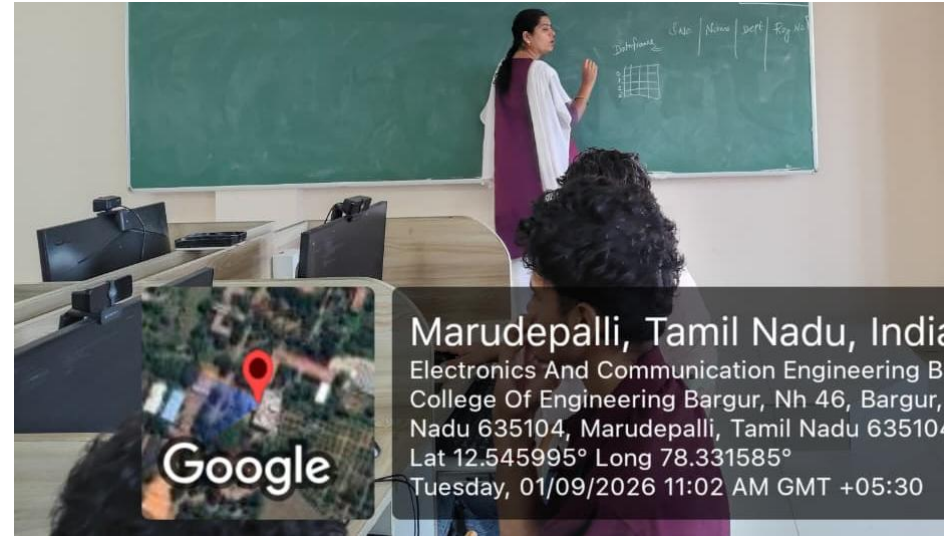
- Day 1: Python Fundamentals & Basic GUI
- Day 2: GUI Design & Business Logic
- Day 3: Data Handling & CSV Integration
- Day 4: Data Analysis & Visualization
- Day 5: OOP & Project Development

STUDENT PARTICIPATION



- Active engagement across all five days
- Hands-on coding and debugging sessions
- Real-time interaction and doubt clarification
- Collaborative learning environment
- Successful completion of mini-projects by participants

TRAINING SESSION GLIMPSES





HIGHLIGHTS

Interactive Learning: Students actively participated in hands-on exercises

Practical Exposure: Developed real-time GUI-based applications

Peer Learning: Students collaborated in solving logical and coding challenges

Project-Based Approach: End-to-end application development experience

Data-Driven Insights: Visualization of real datasets using charts

OUTCOMES

- Participants developed GUI-based desktop applications using Tkinter
- Ability to store and manage structured data using CSV
- Enhanced skills in data analysis using Pandas
- Capability to visualize data using Matplotlib charts
- Improved problem-solving and logical thinking skills
- Understanding of scalable application development using OOP
- Completion of a functional mini-project integrating GUI, data, and logic

CLOSING CEREMONY



FEEDBACK
COLLECTION SESSION



CLOSING REMARKS BY
RESOURCE PERSON

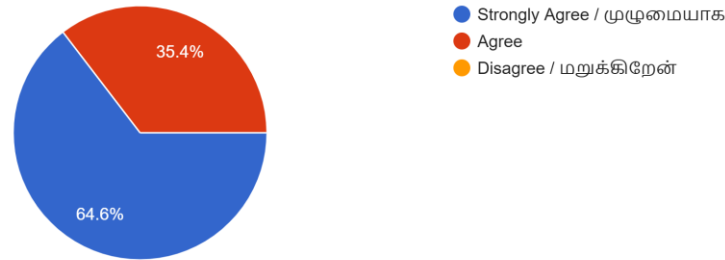


GROUP PHOTO WITH
PARTICIPANTS

FEEDBACK RECEIVED FROM PARTICIPANTS

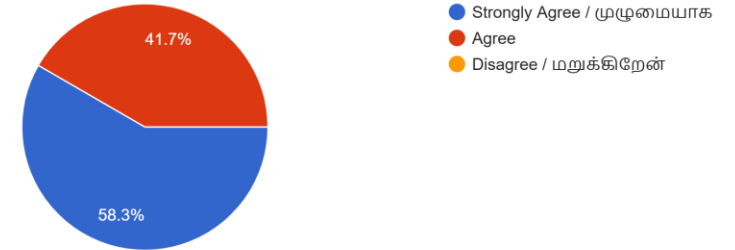
The objectives of the workshop were clearly defined. பயிற்சியின் நோக்கங்கள் தெளிவாக விளக்கப்பட்டன.

48 responses



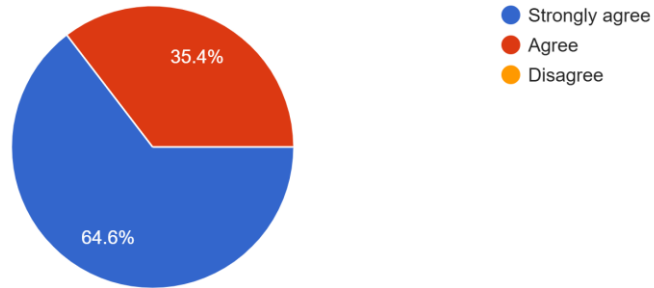
The content was relevant and easy to follow. பயிற்சியின் உள்ளடக்கம் பொருத்தமானதும், எளிமையானதும் இருந்தது.

48 responses



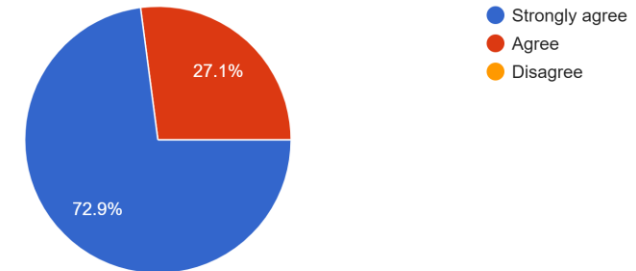
The hands-on activities helped in understanding the concepts better. நடத்தப்பட்ட அனுபவங்கள் கருத்துகளைப் புரிந்துகொள்வதில் உதவின.

48 responses



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

48 responses



FEEDBACK RECEIVED FROM PARTICIPANTS

What did you like most about this workshop?

இந்த பயிற்சியில் மிகவும் பிடித்த விஷயம் என்ன?

48 responses

It was very interesting

Obtain knowledge of new things

I learn many things from this workshop

Hands on practice , real-world problem examples provided by the instructor

Project

Activities

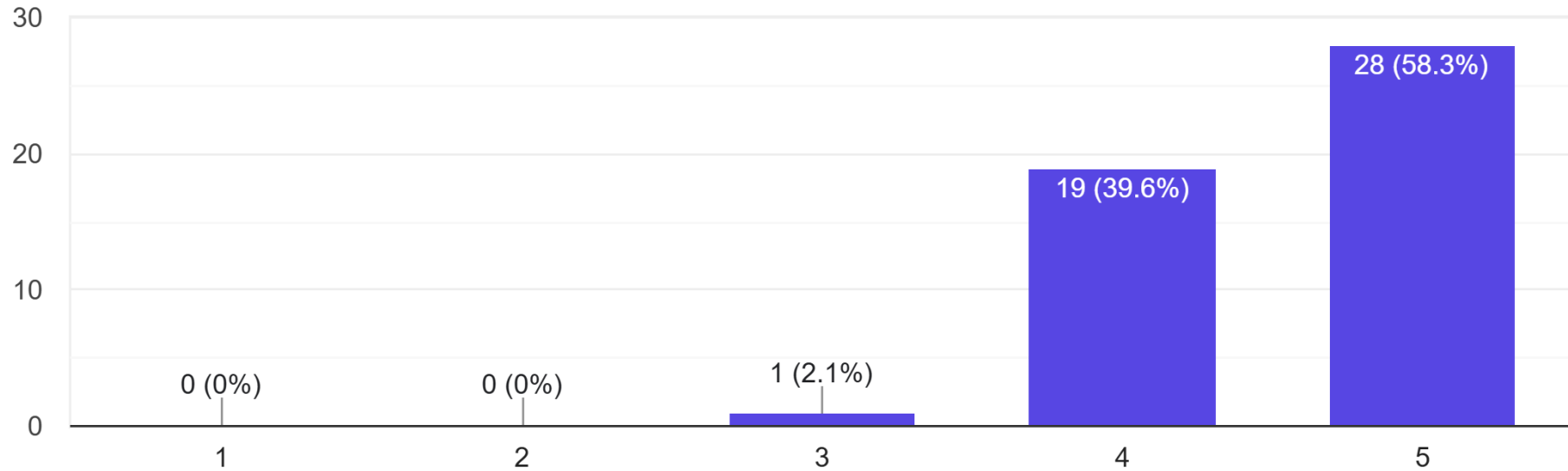
Easy explanation

Hands on practice

FEEDBACK RECEIVED FROM PARTICIPANTS

Rate the overall experience: மொத்த பயிற்சி அனுபவத்திற்கு மதிப்பீடு அளிக்கவும்:

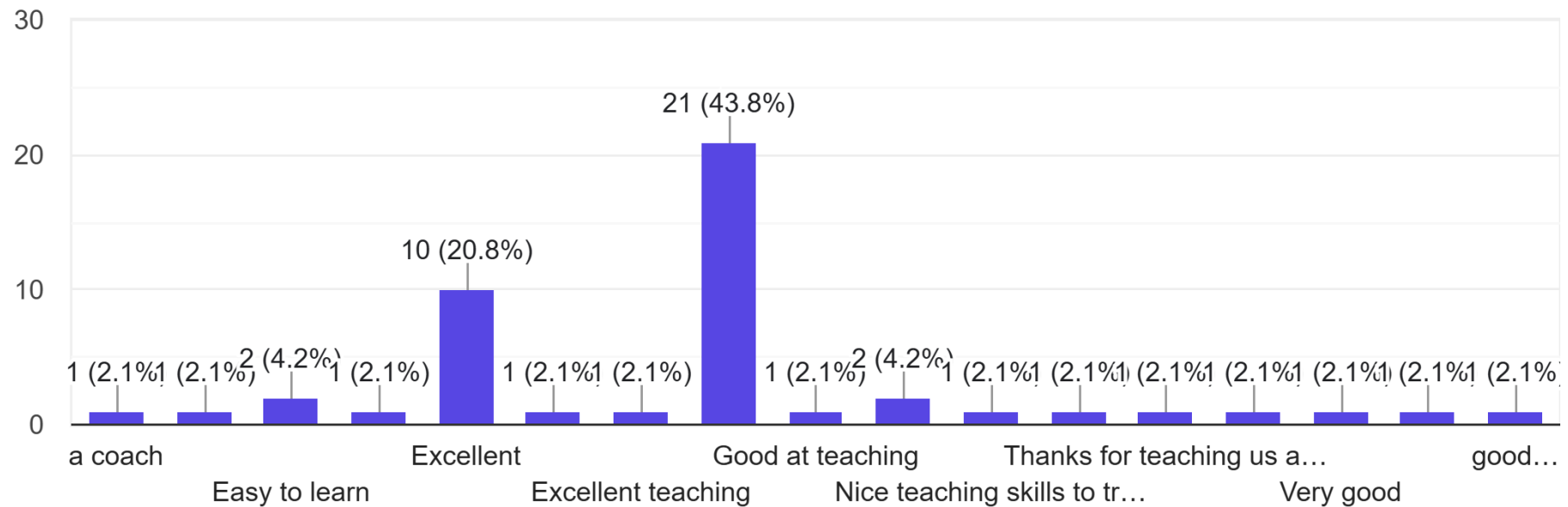
48 responses



FEEDBACK RECEIVED FROM PARTICIPANTS

One word to describe about the trainer

48 responses



GROUP PHOTO



THANK YOU

Heartfelt thanks to

