

"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of Electronics & Telecommunication Engineering
Form No. IQAC/30

Date: 18/10/2023

Event Report

Academic Year: 2023-2024

Semester-I

Name of the event: **Robotics Guest Lecture**

Date and Time	19/10/2023
Event Venue	Class Room 227
Organized by	Prof. Seema Khamankar, Prof. Manjusha Patil
Targeted Audience	SE
Resource Person	Pantech Technical Head

Details of the event:

Workshop Report on Internet of Things and Robotics Workshop

Introduction:

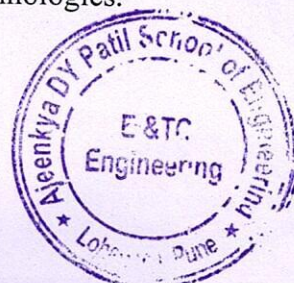
The Internet of Things (IoT) and Robotics Workshop was conducted on 19th Oct.2023 at Youtube live. The workshop aimed to provide participants with a comprehensive understanding of IoT and Robotics, their applications, and hands-on experience in building and programming IoT devices and robots. The event was organized by Department of Electronics & Telecommunication and Mechanical Engineering in association with PANTECH organizing the webinar on "ROBOTICS & IOT System" and it brought together 100 enthusiastic individuals from various backgrounds.

Workshop Overview:

1. Workshop Objectives:

The primary objectives of the workshop were:

- To introduce participants to the concepts of Internet of Things (IoT) and Robotics.
- To educate participants about the real-world applications of IoT and Robotics.
- To provide hands-on experience in building and programming IoT devices and robots.
- To inspire and encourage interest in these rapidly evolving technologies.



2. Workshop Structure:

The workshop was divided into three main sections:

YouTube link - <https://bit.ly/3lWnpmh>

Free workshop-IOT SYSTEMS & ROBOTICS, Ajeenkya D Y Patil School of Engineering || Pantech eLearning - YouTube

Session 1: Introduction to IoT and Robotics

- Overview of IoT and Robotics.
- Real-world applications and use cases.
- Key components and technologies.
- Session 2: Hands-on IoT Development

Participants built a basic IoT device using [Microcontroller/Platform].
Programming and data transmission using [Communication Protocol].
Data visualization and analysis.

Session 3: Robotics Workshop

- Introduction to robotics and its applications.
- Building and programming a basic robot.
- Hands-on robot operation.

3. Workshop Resources:

All participants were provided with the necessary equipment, including [List of Equipment], and access to relevant software and tools. The participants were also given access to workshop materials, which included presentation slides, code samples, and documentation.

Outcomes:

The workshop was highly successful, with several notable outcomes:
Participants gained a clear understanding of IoT and Robotics. The hands-on sessions were particularly engaging and allowed participants to develop practical skills. There was a significant increase in the participants' knowledge of the subject matter.

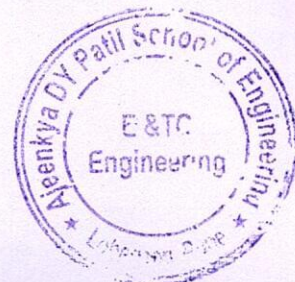
Feedback and Evaluation:

Participant feedback was overwhelmingly positive. Many participants expressed their appreciation for the workshop's content, organization, and the quality of the instructors. The following are some comments from the participants:

"I had little knowledge about IoT and Robotics before this workshop, but now I feel confident to explore and experiment with these technologies."

"The hands-on sessions were excellent, and I loved building my own IoT device and robot."

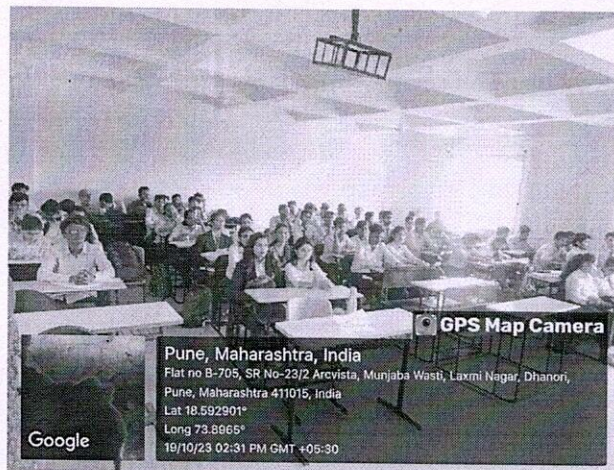
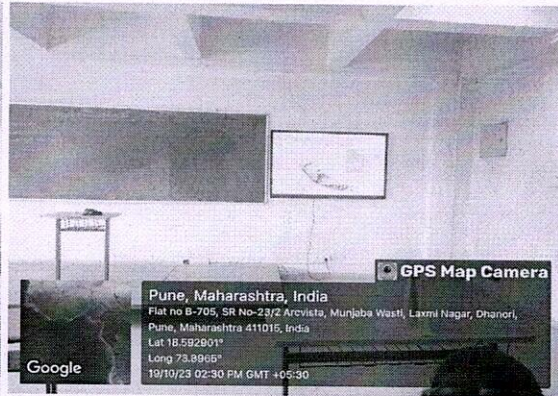
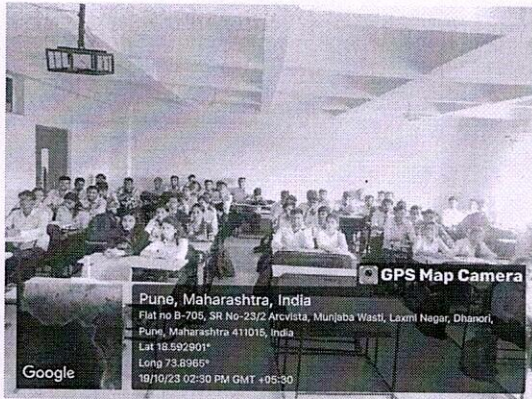
"The workshop coordinators and instructors were knowledgeable and approachable."



Recommendations:

Based on the feedback received, here are some recommendations for future workshops:
Consider more advanced workshops for participants who want to delve deeper into IoT and Robotics. Organize follow-up events to allow participants to showcase their projects and share their experiences. Explore partnerships with local companies or research institutions for guest lectures or industrial perspectives on IoT and Robotics.

Geo-tagged Photos:



Name and Sign of Coordinator: Prof. Seema Khamnkar, Prof. Manjusha Patil

HoD: Dr. Saniya Ansari

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