



## PROGRAM REPORT

**Program Name:** IOT Advanced 2018-2019

**Program Date:** 01-09-2018 to 31-03-2019

**Venue:** JNTUA College of Engineering, Pulivendula

### **About the Program:**

The IoT Advanced Workshop covered a diverse range of topics, including but not limited to:

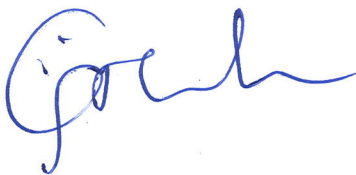
- **IoT Protocols and Communication:** An in-depth exploration of communication protocols commonly used in IoT, such as MQTT, CoAP, and WebSocket.
- **Edge Computing and IoT:** Understanding the importance of edge computing in IoT systems to reduce latency and enhance real-time data processing.
- **IoT Security and Privacy:** Discussing security challenges in IoT ecosystems and strategies for securing IoT devices, networks, and data.
- **Cloud Integration for IoT:** Exploring cloud platforms and services that facilitate IoT data storage, analytics, and management.
- **Data Analytics and Machine Learning in IoT:** Leveraging data analytics and machine learning techniques to extract insights and patterns from IoT data.
- **Industrial IoT (IIoT):** Focusing on IoT applications in industrial settings, including predictive maintenance, asset tracking, and process optimization.
- **IoT Platforms and Architectures:** Evaluating different IoT platforms and architectures to enable seamless connectivity and interoperability.

**Trainees Attended:** 110

### **Participants Feedback:**

Feedback was collected from participants at the end of each workshop session. Overall, the response was positive, with participants expressing appreciation for the depth and relevance of the topics covered. Some common feedback points included:

- The workshop provided valuable insights into advanced IoT concepts and technologies.
- Hands-on exercises and demos were engaging and enhanced the learning experience.
- The instructors demonstrated excellent subject matter expertise and were approachable for clarifying doubts.



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**Conclusion:**

The IoT Advanced Workshop proved to be a valuable and enriching experience for participants, providing them with advanced knowledge and practical skills to excel in the dynamic field of Internet of Things. The workshop's comprehensive content and hands-on approach contributed to its success in empowering participants to tackle complex IoT challenges confidently.

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## GRAM HIGHLIGHTS:

- Introduction to IoT: Understand the fundamentals, including components, architecture, and various communication protocols used, such as MQTT and LoRa.
- Sensor Integration: Learn how to connect and utilize sensors in collecting data from the physical world.
- Data Management: Master the art of managing and processing IoT data effectively.

IoT Cloud Platforms: Get hands-on experience with popular IoT cloud platforms like AWS Core and Microsoft Azure IoT.

VENUE:  
DEPARTMENT OF CSE

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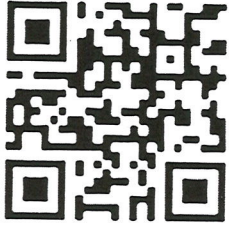


# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)

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APSSDC

## Certificate of Participation

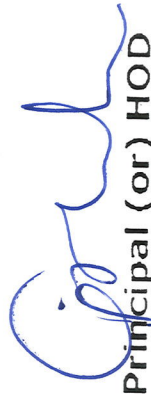


Cert.No.

Regd Id : 17191A0401

This is to certify that Mr./Ms./Mrs..... Achukatla Hajivali.....  
of ..... JNTUA College Of Engineering Pulivendula..... has successfully  
participated Training Program on ..... IOT Advanced 2018-2019.....  
held from ..... 01-09-2018..... to ..... 31-03-2019.....

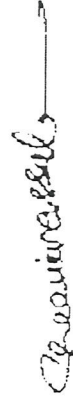
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**JNTUA College of Engineering Pulivendula**  
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