



## Department of AIML

### Faculty Profile

**Name** : P M Suresh  
**Designation** : Assistant Professor (CSE - AIML)  
**Qualification** : M.Tech., (Ph.D)  
**Total Experience** : 14.8 years  
**JNTUH ID** : 7997-220707-181058  
**AICTE ID** : 1-43790188635  
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### Publications:

1. Improving Cardiac MRI Image Quality Using Deep Learning Techniques - ISSN: 1660-6795
2. IoT\_based\_Smart\_Irrigation\_System\_for\_Precision\_Agriculture\_in\_Greenhouse\_Environment- DOI: 10.1109/ICESC60852.2024.10689981
3. Forecasting Bitcoin Price Utilizing Evolutionary Radial Bias Function Networks- DOI : <https://doi.org/10.61239/IJIMSR.2024.2116>
4. IoT in Brain-Computer Interfaces for Enabling Communication and Control for the Disabled - DOI: 10.1109/ICCSP60870.2024.10543610
5. Enhancing Diabetes Detection through a Hybrid AI Model Utilizing Wearable Technology, DOI: 10.1109/ICCCNT56998.2023
6. Road Accident Prediction Using Data Mining Model. Vol 13,Issue 6,June 2023.
7. Navigating Cyber Security: Analyzing Online Threats And Strategies For Protecting Data And Systems – 2023
8. Enhancing Network Security with Intrusion Prevention Systems and Host-Side Two-Factor Authentication-2020
9. A Survey On the Role Of Cryptography In Ensuring Cloud Data Security-2019

## 10.Improve Private Cloud Data Security With Rbac-Encrypted Schemes -2015

### Online Courses Completed:

| SUBJECT  | YEAR           | COURSE       | ROLL/CERTIFICATE NO    |
|--|----------------|--------------|------------------------|
| <b>NPTEL Enthusiast star</b>                                       | Jul - Dec 2023 | <b>NPTEL</b> | NPTELSS22303102048     |
| Google Cloud Computing   | Jul - Oct 2024 | <b>NPTEL</b> | NPTEL24CS131S650206390 |
| Data Mining  | Jan-Mar 2024   | <b>NPTEL</b> | NPTEL24CS22S357100705  |
| Machine Learning and Deep Learning - Fundamentals and Applications | Jul - Oct 2023 | <b>NPTEL</b> | NPTEL23EE87S737408389  |
| Cloud computing  | Jul - Oct 2023 | <b>NPTEL</b> | NPTEL23CS89S537406740  |
| Theory of Computation  | Jul - Oct 2023 | <b>NPTEL</b> | NPTEL23CS705S45704620  |
| Compiler Design  | Jul - Oct 2023 | <b>NPTEL</b> | NPTEL23CS57S53363016   |
| Foundation of cloud IOT Edge ML                                    | Feb - Apr 2023 | <b>NPTEL</b> | NPTEL23CS65S33362990   |
| Introduction To Internet Of Things                                 | Jul - Oct 2022 | <b>NPTEL</b> | NPTEL22CS96S33694735   |
| Introduction to Machine Learning                                   | Jul - Oct 2022 | <b>NPTEL</b> | NPTEL22CS84S13014650   |
| CCNA   | Oct – 2007     | <b>CISCO</b> | CSCO11302502           |

### Participation in FDP/ Workshops / Conferences:

1. “Google Cloud Computing” During the period of July – Oct 2024 Organized by NPTEL-AICTE.
2. “GenAI and Prompt Engineering using Microsoft Copilot” from 15th April to 19th April 2024.
3. “Deep Learning And Its Cutting Edge Applications (DLCEA)” from 1<sup>st</sup> -6<sup>th</sup> April 2024.
4. “Machine Learning Essential: Applications and Use Cases” from 18.12.2023 to 22.12.2023 at CVR Engineering College Hyderabad.
5. “Cloud Infrastructure (AWS)” at JNTUK- AndhraPradesh from 21.09.2023 to 25.09.2023.
6. “Emerging Technologies For Next Generation of Networks” Organized by the Department of Computer Science and Engineering , Kings Engineering College Chennai from 17.07.2023 to 22.07.2023.

7. NEP-2020 Implementation Plan: Innovation & Ranking at JNTUH.
8. "Amazon Web Services" organized by        at JNTUH.
9. "Emerging Technologies for Next Generation Networks" During the period of 17th to 22nd July 2023 Organized by KINGS ENGINEERING COLLEGE.
10. "Theory of Computation" During the period of July – Sep 2023 Organized by NPTEL-AICTE.
11. " Foundation Cloud IOT Edge ML" During the period of Feb – Apr 2023 Organized by NPTEL-AICTE.
12. "Cyber Security, Digital Forensics and Penetrations" During the period of 26th to 31st December 2022 Organized by SPHOORTHY ENGINEERING COLLEGE.
13. "Amazon Web Services" During the period of 22nd August 2022 to 27th August 2022 Organized by PANIMALAR ENGINEERING COLLEGE.
14. "Introduction to Machine Learning" During the period of July – Sep 2022 Organized by NPTEL-AICTE.
15. "Introduction to Machine IOT" During the period of July – Oct 2022 Organized by NPTEL-AICTE.
16. "Intellectual Property Rights (IPR) " Organized by Department of Information Technology held during December 8th and 9th , 2022-Coimbatore.

### **Patents Published:**

1. BLOCKCHAIN-BASED DECENTRALIZED AUTHENTICATION AND AUTHORIZATION SYSTEM FOR SECURE TRANSACTIONS
2. DEEP REINFORCEMENT LEARNING FRAMEWORK FOR AUTONOMOUS



# CERTIFICATE OF APPRECIATION TO

**SURESH PM**

for being recognized as NPTEL ENTHUSIAST

**JUL-DEC 2023**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman  
Centre for Continuing Education, IITM

*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras

#### NPTEL ENTHUSIAST

Candidate has to appear in atleast 8  
exams in Jan 2022 - Jul 2023, passed  
in 75% of courses appeared  
(not looking for continuity here)

