**About Profile**



NAME: Dr. P Phanindra Kumar Reddy

DESIGNATION: Assoc. Professor & HoD

DEPARTMENT: Artificial Intelligence &

Data Science

EMAIL ID: phanindra.44u@gmail.com

DATE OF JOINING: 11-06-2008

EMPLOYEE ID: AITS051006

## Academic Profile

| **Qualification** | **Name of the Board/University** | **YEAR** |
| --- | --- | --- |
| **P.hD** | **SSSUTMS** | **2020** |
| **M.Tech** | **JNTUH** | **2008** |
| **B.Tech** | **JNTUH** | **2006** |

## Research Details

1. Areas of Specialization: CSE
2. List of Publications:
3. Awards Received :
4. Research Guidance:
5. No. of PhD Guided: -
6. No. of M.Tech Guided: 12
7. No. of B.Tech Guided: 34 batches
8. Details of Professional Membership: IAENG
9. Subjects Taught:

Data Structures through Python, Programming in C and Data Structures, Information Security, Advanced Computer Architecture, Web Technologies, Mobile Computing, Computer Graphics, Computer Networks, Artificial Intelligence, Object oriented Programming through Java, Computer Organization, Foundations of Data Science, - Teaching at UG and PG Level.

## Publication Details

|  |  |  |
| --- | --- | --- |
| **Title** | **Publisher** | **Published Year** |
| **Light weight 3-factor authentication &amp; Key agreement protocol**  **for internet integrated WSN with ISSN NO. 2395-1303** | **International Journal of Engineering & Techniques** | **2018.** |
| **Detecting failure nodes in mobile wireless**  **networks: A Probabilistic Approach with ISSN NO. 2319-8346,**  **2018.** | **International Journal of advanced research in science &amp;**  **engineering** | **2018.** |
| **“Identifying the node presence mobile wireless network to**  **provide location based services”** | **International Journal of Engineering &amp; Technology** | **2018** |
| **Identifying**  **and constructing an indoor Location Based Service** | **Advanced Research in Dynamical and Control Systems, Volume**  **11 | 05-Special Issue titled** | **2019** |
| **On the efficiency of vehicular**  **connectivity privacy metrics** | **Journal of**  **Engineering Sciences** | **2020** |
| **Indoor Navigation System based**  **on vision for smartphones** | **Journal**  **of Engineering Sciences** | **2020** |
| **An Ensemble**  **based approach for Node Failure Detection in Mobile Wireless**  **Networks** | **Journal**  **of Information and Computational Science** | **2020** |
| **Comparison of Performance of a position based routing protocol**  **for VANET** | **Journal of innovative research in Science and Engineering** | **2021** |
| **Identification and Classification**  **of Pneumonia in Chest X-Ray Images Using Deep Learning**  **Techniques** | **Drugs and Cell**  **Therapies in Hematology** | **2022** |
| **Canny Edge Detection Algorithm for**  **Consistency Based Smart Traffic Signal in a Smart City** | **Drugs and Cell**  **Therapies in Hematology** | **2022** |
| **Integrated Methodology for Early Glaucoma Diagnosis Using Retinal Fundus Images** | **IEEE Xplore** | **2024** |
| **Revolutionizing E-Commerce Customer Support: Advanced AI-Powered Chatbots for Enhanced User Experience & Operational Efficiency** | **IEEE Xplore** | **2025** |
| **Exploring Diabetic Retinopathy Diagnosis: Insights from a Comprehensive Literature Review and Initial Fundus Image Analysis** | **IEEE Xplore** | **2024** |
| **Machine Learning Analysis of Free Convection Flow through a Porous Medium in a Third-Grade Vertical Channel: A Comprehensive Exploration** | **IEEE Xplore** | **2024** |
| **AI-Enhanced Analysis of Unsteady Convection in Copper-Water Nanofluid Flow over a Vertically Moving Porous Plate** | **IEEE Xplore** | **2024** |
| **A Survey on Exploring Advances and Challenges in Social Spam Detection Through Machine Learning Approaches** | **Springer Nature** | **2025** |
| **Identifying and Constructing an Indoor Location-Based Service Platform** | **Advanced Research in Dynamical & Control Systems,** | **2019** |
| **Identifying the Node Presence Mobile Wireless Networks to Provide Location Based Services** | **International Journal of Engineering & Technology** | **2018** |
| **Cyber Attack Detection using Deep Learning Methods** | **IJARSET** | **2019** |
| **Controlling Dropping Attacks Through Truthful Detection as Packets in Wireless Adhoc Networks** | **International Journal of Computer Sciences,** | **2016** |
| **Integrated Methodology for Early Glaucoma Diagnosis Using Retinal Fundus Images** | **IEEE Xplore** | **2024** |
| **Revolutionizing E-Commerce Customer Support: Advanced AI-Powered Chatbots for Enhanced User Experience & Operational Efficiency** | **IEEE Xplore** | **2025** |
| **Exploring Diabetic Retinopathy Diagnosis: Insights from a Comprehensive Literature Review and Initial Fundus Image Analysis** | **IEEE Xplore** | **2024** |
| **Machine Learning Analysis of Free Convection Flow through a Porous Medium in a Third-Grade Vertical Channel: A Comprehensive Exploration** | **IEEE Xplore** | **2024** |
| **AI-Enhanced Analysis of Unsteady Convection in Copper-Water Nanofluid Flow over a Vertically Moving Porous Plate** | **IEEE Xplore** | **2024** |
| **A Survey on Exploring Advances and Challenges in Social Spam Detection Through Machine Learning Approaches** | **Springer Nature** | **2025** |

## Patent Details

| **Sno.** | **Title of Patent** | **Submitted/Published/Awarded** |
| --- | --- | --- |
| **1** | **A**  **BUS TICKET GENERATING MACHINE** | **Published** |
| **2** | **THE ROLE OF MACHINE LEARNING AND BIOTECHNOLOGY IN**  **AUTONOMOUS HARVESTING AND DATA DRIVEN MANAGEMENT**  **FOR ADVANCEMENTS IN AGRICULTURE** | **Published** |