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
Ph.D.	**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:
    A) No. of PhD Guided: -
    B) No. of M.Tech Guided:**12**
    C) No. of B.Tech Guided: **34** batches

5. Details of Professional Membership: **IAENG**
6. 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 & 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 & engineering	2018
“Identifying the node presence mobile wireless network to provide location based services”	International Journal of Engineering & 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
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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