Department of Artificial Intelligence and Datascience

FACULTY DETAILS

Staff Name	**:**	R. Archana
Date of Birth	**:**	19/10/1994
Educational Qualification	**:**	M.Tech.,(Ph.D)
Area of Interest	**:**	Cloud Computing, Machine Learning, Deep Learning
Years of Experience	**:**	4 months
Area of Research	**:**	Machine Learning
No of Student Projects Guided	**:**	UG-4
Supervisor	**:**	-
FDP & Workshop Funding	**:**	-
Research Projects (Granted)	**:**	-
R & D Activities	**:**	-
Publication Details	**:**	

> ➤ **Journal**

1. Seedback-rl-Scalable and Efficient Deep-rl Equipped With Backup Queue for Task Assignment in Fault Tolerant Fog Computing R Archana, KP Kumar 2023
   DOI: 10.21203/rs.3.rs-3127196/v1

2. Multilevel scheduling mechanism for a stochastic fog computing environment using the HIRO Model and RNN ARKPM Kumar Sustainable Computing: Informatics and Systems, 100887 2023
   DOI: https://doi.org/10.1016/j.suscom.2023.100887

3. Spatial Analysis Of Road Accident Analysis And Precaution Alert System R Archana, KPM Kumar European Journal of Molecular & Clinical Medicine 7 (08), 2020

	➢ Conferences 1. Utilization of fog computing in task scheduling and offloading: Modern growth and future challenges R Archana, PM Kumar 2022 International Conference on Electronic Systems and Intelligent 2022 ***DoI: 10.1109/ICESIC53714.2022.9783503*** *2.* Fog Offloading and Scheduling in Traffic Monitoring System by Deep Reinforcement ARKPM Kumar Advances in Science and Technology 124, 809-8162023 ***DOI: 10.4028/p-c63rtd***
FDP & Workshop Attended Details :	1. Attended one week Faculty development Program on "Cloud Infrastructure(AWS)" organized by JNTUK University of Engineering Narasaraopet, Andhra Pradesh collaborated with Brainovision Solutions India Pvt Ltd on Aug 2023. 2. Attended one week Faculty development Program on "CO PO mapping and CO PO Attainment" organized by St. Joseph's Engineering College on July 2023. 3. Attended Two weeks faculty development Program on "Machine Learning in the age of AI: Algorithms, Models and Beyond" organised by Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning) on September 2023. 4. Attended one day Faculty development Program on "Security Concerns in Internet of Things in (IoTC)" organized by the Department of Computer Science and Engineering, Sri Venkateshwara College of Engineering held on Oct 2022. 5. Attended One week International Faculty Development Program on Artificial Intelligence Integrated Web Services organized by the Department of Information Technology, Easwari Engineering College, on May 2021. 6. Attended Five days National level online Faculty Development Program on "Multidimensional Skillset of Current Generation of Teaching Professionals" organized by Department of Information Technology, Prathyusha Engineering College, Thiruvallur, Tamil Nadu, Chennai, held on June 2021. 7. Attended One-day IET sponsored National workshop on Virtual Reality Applications on December 2021 at SRMIST, Chennai, Tamil Nadu. 8. Attended the One day workshop on Imaging Spectroscopy and Mineral Exploration at National College of engineering, Trichurapalli, Tamil Nadu. 9. Attended the National Workshop on Geoinformatics for Watershed Management at Department of Geography, Bharathidasan University, Trichurapalli, Tamil Nadu. 10. Attended One-day National workshop on Popularization of Remote Sensing Based Maps & Geospatial Information, Organized by Indian Space Research Organization(ISRO).

Certification Courses :	• **NPTEL**
	     • Python for Data Science-2023
	 • **UDEMY**
	     • Introduction to Computational Logic [Apr 2020]

- **COURSE ERA**
  - Geo Spatial and Environmental Analysis [Feb 2020]
  - Design and Analyze Secure Networked Systems [May 2020]
  - IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies [June 2020]
- CLOUD-Amazon Web Services (AWS)in Besent Technologies "AWS certification" [July 2017]
- Remote Sensing and Applications in Carbon Forestry Conducted by Indian Institute of Remote Sensing from Indian Space Research Organization (ISRO)on March 2017