

Rishi MS Institute of Engineering and Technology for women
Nizampet X Road, Near JNTUH, Kukatpally, Hyderabad

FACULTY PROFILE



1. NAME : ARUNA KUMARI AKULA
2. JNTUH REGISTRATIONID : 0808-160125-080100
3. DATE OF BIRTH : 30-12-1985
4. DESIGNATION : ASSISTANT PROFESSOR
5. YEARS OF EXPERIENCE : 7+ YEARS
6. UG DEGREE : B.TECH (CSE)
7. PG DEGREE : M.TECH (CSE)
8. Ph.D(AREA OF THE PH.D WORK) : PhD (Pursing), DEEP LEARNING
9. SUBJECTS TAUGHT :
 - Programming for Problem solving
 - OOPs through C++
 - Data Structures
 - Database Management System
 - Computer Networks
 - Computer Graphics
 - Machine Learning
 - Artificial intelligence
 - Deep learning
 - JAVA
 - Deep Neural Networks
 - Python

10. PAPER PUBLICATIONS IN INTERNATIONAL JOURNALS:

- I. Aruna Kumari, A., Henge, S.K. (2022). A Hybrid Model on Deep Learning for the Diagnosis of Diabetic Retinopathy Using Image Cropping. In: Nagar, A.K., Jat, D.S., Marín-Raventós, G., Mishra, D.K. (eds) Intelligent Sustainable Systems. Lecture Notes in Networks and Systems, vol 333. Springer, Singapore. https://doi.org/10.1007/978-981-16-6309-3_49
- II. Aruna Kumari, A., Santosh Kumar, H. (2023). Comparative Analysis of Machine Learning Approaches of Prediction of Diabetes Consequences in Pregnancy with Implications of Data Matrices. In: Ranganathan, G.,

Fernando, X., Piramuthu, S. (eds) Soft Computing for Security Applications. Advances in Intelligent Systems and Computing, vol 1428. Springer, Singapore. <https://doi.org/10.1007/978-981-19-3590-9> 47