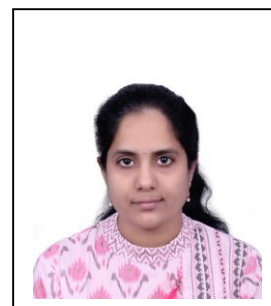


Faculty Profile

Name: Dr. Sirisha Potluri

Designation: Assistant Professor

Teaching Areas: Computer Programming using C, Data Structures, Core JAVA, Advanced JAVA, OOP through C++, Distributed Operating Systems, Human Computer Interaction, C# and .NET Programming, Computer Graphics, Web Enabled Technology, UNIX Programming, Distributed and Cloud Computing, Python Programming and Software Engineering.



Research Interests: Distributed Computing, IoT, Big Data and Analytics, Machine Learning

Education: Ph.D. (Cloud computing), KL University, 2021.

M.Tech (C.S.E), JNTUK, 2014.

Research/Selected Publications:

1. Sirisha Potluri, An Efficient Scheduling Mechanism for IoT Based Home Automation System, International Journal of Electronic Business, Special Issue on: Knowledge Management and Data Representation in Network Sciences, Volume 16, Issue 2, PP 147–156, 2021.
2. Sirisha Potluri, QoS-driven hybrid task scheduling algorithm in a cloud computing environment, International Journal of Grid and Utility Computing, Special Issue on: Novel Hybrid Artificial Intelligence for Intelligent Cloud Systems, 2021.
3. Sirisha Potluri, Improved quality of service-based cloud service ranking and recommendation model, TELKOMNIKA, Volume 18, No 3, PP 1252-1258, 2020.
4. Sirisha Potluri, A Hybrid PSO Based Task Selection and Recommended System for Cloud Data, Test Engineering and Management, Volume 83, PP 10210 – 10217, 2020.
5. Sirisha Potluri, Hybrid Self-Adaptive PSO and QoS Based Machine Learning Model for Cloud Service Data, International Journal of Control and Automation, Vo. 13, No 2s, PP 36 – 50, 2020.
6. Sirisha Potluri, Optimization model for QoS based Task Scheduling in Cloud Computing Environment, International Journal of Electrical, Electronics and Computer Systems, Volume 18, No 2, PP 1081-1088, 2020.
7. Sirisha Potluri, IOT Enabled Cloud Based Healthcare System Using Fog Computing: A Case Study, Journal of Critical Reviews ISSN- 2394-5125, Volume 7, Issue 6, PP 1068-1072, 2020.
8. Sirisha Potluri, Simulation of QoS-Based Task Scheduling Policy for Dependent and Independent Tasks in a Cloud Environment, Smart Intelligent Computing and Applications. Smart Innovation, Systems and Technologies, volume 159, 2020.

Books Edited:

1. Sirisha Potluri, Recommender Systems: Algorithms and Applications, CRC Press, 2021.
2. Sirisha Potluri, Machine Learning Approach for Cloud Data Analytics In IoT, John Wiley & Sons, Limited, 2021.
3. Sirisha Potluri, Cloud Security: Techniques and Applications, Berlin, Boston: De Gruyter, 2021.

Book Chapters:

1. Sirisha Potluri, Security and Privacy Preservation Model to Mitigate DDoS Attacks in Cloud. In: Cloud Security, De Gruyter, pp. 21-40, 2021.
2. Sirisha Potluri, GA-Based Iterative Optimization System to Supervise Adaptive Workflows in Cloud Environment. In: Emerging Technologies in Data Mining and Information Security. Advances in Intelligent Systems and Computing, Volume 1300, 2021.

Patents Published:

1. Sirisha Potluri, Internet Of Things Based Intelligent System and Method for Garbage Monitoring and Alert Unit (202141039690), 2021.
2. Sirisha Potluri, Method of Load Distribution Balancing for Fog Cloud Computing In IoT Environment (201941044511), 2019.

Awards: Received the TN Global Research award as “YOUNG SCIENTIST” on 5th Mar 2022.