



Dr. Sohan Kumar Pande – Ph. D.

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Designation : Assistant Professor
Department : Computer Science and engineering
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RESEARCH INTERESTS

- Cloud Computing, Vehicular Cloud, Wireless Sensor Network
- Machine Learning, Load Balancing,

Academic Qualifications

- Ph. D. (Vehicular Cloud Computing), VSSUT Burla, Odisha, INDIA
- M. Tech. (Cloud Computing), SUIIT Burla, Odisha, INDIA
- B. Tech., CVRCE, BPUT, Rourkela, Odisha, INDIA

Teaching Experience/Industrial Experience/Research Experience

Teaching Experience – 13 years+

Research Experience – 8 years

PUBLICATIONS

JOURNALS

1. **Sohan Kumar Pande**, Sanjaya Kumar Panda and Satyabrata Das, Mamoun Alazab, Kshira Sagar Sahoo, Ashish Kumar Luhach, Anand Nayyar, "A Smart Cloud Service Management Algorithm for Vehicular Clouds", **IEEE Transactions on Intelligent Transportation Systems, IEEE, SCI, IF = 7.9**, Vol. 22, Issue 8, pp. 5329-5340, 2020.
2. **Sohan Kumar Pande**, Sanjaya Kumar Panda, Satyabrata Das Das, Kshira Sagar Sahoo, Ashish Kr. Luhach, N. Z. Jhajhi, Roobaea Alroobaea and Sivakumar Sivanesan, "A Resource Management Algorithm for Virtual Machine Migration in Vehicular Cloud Computing", *Computers, Materials & Continua*, **SCI, IF = 2.0**, Vol. 67, Issue 2, PP. 2647-2663, 2021.
3. Sanjaya Kumar Panda, **Sohan Kumar Pande** and Satyabrata Das, "Task Partitioning Scheduling Algorithms for Heterogeneous Multi-Cloud Environment", *The Arabian Journal for Science and Engineering, Springer*, **SCI, IF = 2.6**, Vol. 43, pp. 913-933, 2018.
4. **Sohan Kumar Pande**, Sanjaya Kumar Panda and Satyabrata Das, "Dynamic service migration and resource management for vehicular clouds", *Journal of Ambient Intelligence and Humanized Computing, Springer*, **SCI**, Vol. 12, pp. 1227-1247, 2021.
5. Sanjib Kumar Nayak, Sanjaya Kumar Panda, Satyabrata Das, **Sohan Kumar Pande**, "A Multiobjective Renewable Energy-based Algorithm for Geographically Distributed Datacentres", *International Journal of Embedded System, Inderscience Scopus*, Vol. 15, Issue 2, pp. 119-131, 2022.
6. **Sohan Kumar Pande**, Sanjaya Kumar Panda and Satyabrata Das, "A Customer-Oriented Task Scheduling for Heterogeneous Multi-Cloud Environment",

International Journal of Cloud Applications and Computing, IGI Global, **Scopus**, Vol. 6, Issue 4, pp. 1-17, 2016.

7. **Sohan Kumar Pande**, Priyanka Swain, Sanjib Kumar Nayak, Sanjaya Kumar Panda, “An
8. Indicator-Based Algorithm for Task Scheduling in Multi-Cloud Environments”, International Journal of Cloud Applications and Computing, IGI Global, **Scopus**, Vol. 12, Issue 1, pp. 1-19, 2022.
9. Sushanta Meher, **Sohan Kumar Pande** and Sanjaya Kumar Panda, “Time-Aware Task Allocation for Cloud Computing Environment”, International Journal of Knowledge Discovery in Bioinformatics, IGI Global, Vol. 7, Issue 1, pp. 1-13, 2017.
10. Niva Tripathy, Satyabrata Das, **Sohan Kumar Pande**, “Hybrid and Effective Model for the Prediction of Diabetes”, Journal of the Chinese Institute of Engineers, **Scopus**, (Communicated).

CONFERENCE PAPERS PRESENTED

1. Malay Kumar Purohit, Geetanjali Dash, Satyabrat Sahoo, **Sohan Kumar Pande**, Ashish Singh Saluja, “An Intelligent Wheel-Chair Model using CNN-MPNN Based Text Classification”, 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU), IEEE, 2024.
2. Apala Mahana, Nikhil Agrawal, Anup Kumar Sahu, Satyabrat Sahoo, **Sohan Kumar Pande**, Ashish Singh Saluja, “Biometric Facial Driven Digital Attendance System using Machine Learning Approach Based on Haar Cascade Technique”, 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU), IEEE, 2024.
3. Piyush Das, Pranjal Parmar, Satyabrat Sahoo, Ashish Saluja, **Sohan Kumar Pande**, “An Intelligent Regression Approach for Weather Forecasting System Using Machine Learning”, 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU), IEEE, 2024.
4. Sanjib Kumar Nayak, **Sohan Kumar Pande** and **Suresh Kumar Srichandan**, “Design of Wireless Sensor Network-based IoT platform for Precision Agricultural Applications”, International Conference on Cutting Edge Technology on Computing, Communication and Intelligence, Taylor & Francis, Cuttack, 2024.
5. **Sohan Kumar Pande**, Sanjaya Kumar Panda and Satyabrata Das, “A Revenue-Based Service Management Algorithm for Vehicular Cloud Computing”, 17th International Conference on Distributed Computing and Internet Technology (ICDCIT), Lecture Notes in Computer Science, Springer, Bhubaneswar, Vol. 17, pp. 98-113, 2021.
6. **Sohan Kumar Pande**, Sanjaya Kumar Panda and Satyabrata Das, “An Energy-Aware Service Management in Vehicular Cloud Computing”, 2nd International Conference on Advances in Distributed Computing and Machine Learning (ICADCML), Lecture Notes in Networks and Systems, Springer, Bhubaneswar, pp. 22-33, 2021.
7. Sanjib Kumar Nayak, Sanjaya Kumar Panda, Satyabrata Das and **Sohan Kumar Pande**, “An Efficient Renewable Energy-Based Scheduling Algorithm for Cloud

Computing”, 17th International Conference on Distributed Computing and Internet Technology (ICDCIT), Lecture Notes in Computer Science, Springer, Bhubaneswar, Vol. 17, pp. 81-97 2021.

8. Sanjib Kumar Nayak, Sanjaya Kumar Panda, Satyabrata Das and **Sohan Kumar Pande**, “A Renewable Energy-Based Task Consolidation Algorithm for Cloud Computing”, Electric Power and Renewable Energy Conference (EPREC), Lecture Notes in Electrical Engineering, Springer, pp. 453-463, 2020.