

FACULTY PROFILE

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Dr. P. SANTHOSH KUMAR is currently associated with SRM Institute of Science and Technology, Ramapuram, Chennai as an Associate Professor in the Department of IT. He completed is B.E and M.E in Computer Science and Engineering from Anna University, Chennai. He received his Doctorate in Sathyabama Institute of Science and Technology, Chennai under the domain Cloud Computing. He has Teaching and Research Experience of more than 11 years, and worked as an Assistant Professor in the Department of Computer Science and Engineering at various Engineering Colleges since June 2008 to till date. He has published more than 12 papers in international journals, three IEEE Conference, ten in International Conference and eight National conferences. He is holding 4 International and 2 National patents as well.

Areas of Research:

Cloud Computing, Software Engineering, Machine Learning & Data Mining.

Selected Publications:

SCI/ WoS

1. “Radial basis function networks with lightweight multiscale fusion strategy-based underwater image enhancement”, Expert Systems, Pg. No.:1-20, Volume 40, Issue 8, June 2023.
2. “Microscopic image analysis in breast cancer detection using ensemble deep learning architectures integrated with web of things”, Biomedical Signal Processing and Control, Pg. No.:1-10, Volume 79, Issue 1, Part-2, January 2023.
3. “AVQS-NN: Adaptive Virtualization for Quantum Services for application support using Neural Networks”, Applied Soft Computing, Pg.No.:1-11, Volume 136, Issue 2, March 2023.
4. “Green energy aware and cluster based communication for future load prediction in IoT”, Sustainable Energy Technologies and Assessments, Pg. No.:1-12, Volume 52, Issue Part -C, August 2022.
5. “Controlling energy aware clustering and multihop routing protocol for IoT assisted wireless sensor networks”, Concurrency and Computation: Practice and Experience, Pg.No.:1-16, Volume 34, Issue 21, April 2022.
6. “IoT battery management system in electric vehicle based on LR parameter estimation and ORMeshNet gateway topology”, Sustainable Energy Technologies and Assessments, Pg.No.:1-12, Volume 53, Issue Part-C, October 2022.
7. “Scalable Anomaly Detection for Large-Scale Heterogeneous Data in Cloud Using Optimal Elliptic Curve Cryptography and Gaussian Kernel Fuzzy C-Means Clustering”, Journal of Circuits, Systems and Computers, Volume 29, Issue 5, Pg. No.: 1-26, 2020.

SCOPUS

1. "Spectrum Management in 6G HetNet Based on Smart Contracts and Harmonized Software-Defined Networking-Enabled Approach" , International Journal of Computer Networks and Applications (IJCNA), Pg.No.231-243, Volume 10, Issue 2, April – 2023.
2. "Privacy and Security on Context Aware Using P-Genie Based on Pseudonym in VANETs", International Journal of Recent Technology and Engineering, Volume 8, Issue No.1, May 2019, Page No.:1646 – 1651.
3. "Privacy and Security Issues in Cloud Computing using IDYLLIC Approach". International Journal of Network and Virtual Organizations (IJNVO), Inderscience, Volume 21, Issue No.1, July 2019, Pg. No.:30 – 42.
4. "Secured Data Storage and Auditing of Data Integrity Over Dynamic Data in Cloud", Inderscience – International Journal of Internet Technology and Secured Transaction, Volume 8, Issue No.4, Oct 2018,Pg. No.:528 – 542.
5. "Cloud Data Integrity Auditing over Dynamic Data for multiple users", International Journal of Intelligent Engineering and Systems, Vol.10, Issue No.5, 2017, Page No. 239- 246.

PATENTS:

1. 378124-001-Artificial Intelligence based Liquid Dispenser on 28.01.2023(Grant).
2. 380827-001- IOT BASED WALKING STICK FOR VISUALLY IMPAIRED on 05.03.2023 (Grant).
3. 202241023677 - Intelligent Monitoring System: Emotion Recognition of Autism Children from Smart Class Video on 06-05-2022.
4. 202241012500 - IoT Driven Sensor-based Crop Recommendation System using Machine Learning for Smart Agriculture on 18.03.2022.
5. 202241003610 - IoT, Machine Learning Based Intelligent Intrusion Detection Systems for Detecting Cyber Threats on 04-02-2022.
6. 202141026938 – Deep Learning Based System and Method for Detection of Facemask on 02-07-2021.
7. 2021103916 MACHINE LEARNING BASED OBESITY ANALYSIS FOR EARLY DETECTION OF HEART DISEASE on 25-08-2021 (Australian Grant).

Books/Book Chapters Published:

1. **Compiler Design** by Scientific International Publishing House ISBN No: 978-93-94002-23-4
2. **Cryptography and Network Security** by Good Writer Publishers ISBN 978-93-5749-920-0
3. **Cyber Security** by Lambert Academic Publishing ISBN 978- 62-0473-105-6

Professional Bodies: Member – ACM, IAENG, ISTE

Google Scholar: <https://scholar.google.com/citations?user=2FrWTGcAAAAJ>

LinkedIn: