

## Faculty Profile

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**Dr.J.Praveen chandar, B.E., M.E., Ph.D.**  
**Assistant Professor,**  
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### Academic Background

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Degree	University	Year
Ph.D. (I&C)	ANNA UNIVERSITY-CHENNAI	2021
M.E (CSE)	ANNA UNIVERSITY- CHENNAI	2011
B.E (CSE)	ANNA UNIVERSITY-CHENNAI	2008

### Research Interests

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- Cloud Computing
- Big data Analytics
- Internet of Things (IoT)

### Courses Taught

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- Cloud Computing and Big data Analytics
- Compiler Design
- Cyber Security
- System Software
- Design and Analysis of Algorithms
- C, C++, Python

### Most recent Publications

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- **J. Praveenchandar et.al**, "Efficient Cloud Resource Scheduling with an Optimized Throttled Load Balancing Approach "Accepted in *Computers, Materials & Continua*.(2023) **SCI & Scopus -IF -3.77**

- **J.Praveenchandar et.al** ,” IoT-Based Harmful Toxic Gases Monitoring and Fault Detection on the Sensor Dataset Using Deep Learning Techniques”, *Scientific Programming*, Vol 2022, Article ID 7516328.(2022). **SCI & Scopus Indexed –IF: 1.67**
- **J. Praveenchandar** and A. Tamilarasi, "Resource allocation using phase change hyper switching algorithm in the cloud environment," *Intelligent Automation & Soft Computing*, vol. 34, no.3, pp. 1839–1850, 2022. **SCI & Scopus Indexed –IF :1.64**
- **Praveenchandar, J.**, Tamilarasi, A. “An Enhanced Load Balancing Approach for Dynamic Resource Allocation in Cloud Environments”. *Wireless Personal Communication*, Springer , 2022. **SCI & Scopus Indexed-IF: 1.67**
- **Praveenchandar, J.**, Tamilarasi, A, “Dynamic resource allocation with optimized task scheduling and improved power management in cloud computing” in *Journal of Ambient Intelligence and Humanized Computing*, Springer .2021 **SCI & Scopus Indexed IF :7.10**
- **Praveenchandar, J.**, Tamilarasi, A “An Optimized Resource Allocation by Improved Task Scheduling Algorithm in Cloud Environments” in *Journal of Computational and Theoretical Nano science* 15 (8), 2655-2658 (2019) **(Scopus Indexed)**
- **Praveenchandar, J.**, Tamilarasi, A “The Feasible Job Scheduling Algorithm for Efficient Resource allocation Process in Cloud Environment” (2018) **IEEE Digital Xplore (Scopus Indexed)**
- Published “Smart Home Surveillance System using IoT with an Efficient Data Analytics” in *International Journal of Engineering and Advanced Technology (IJEAT)* (2019) **(Scopus Indexed)**
- Published “Assorted Resource Allocation Strategies in Cloud Computing Environment” in *ANAS* (2016)

#### **Patent Publication:**

- Published patent titled “**Navigation Technique for Self Driving Cleaning Robots for Congested Public Locations**” – No.2021101589 as a primary Inventor, March 2021
- Published patent titled “**IoT Based Automated Toll Gate Tax Collection System Using Cloud Database**” – No. 202141054902A as a primary Inventor, Dec 2021
- Published patent titled “**System to Develop Cloud Based Fabricating Method**” – No.202241012572A as a primary Inventor, March 2022

#### **Papers Presented in International Conferences**

- Presented a paper in International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC 2022) in Banaras Hindu University, Varanasi **Banaras Hindu University, Varanasi**, India
- Presented a paper in International Conference on Advanced Computer Science and Technologies (ICACST-2021) in **SRM Institute of Science and Technology, Chennai**.

- Presented a paper in International Conference on Recent Trends in Advance Computing (ICRTAC-2018) in **VIT-Chennai Campus** published in **IEEE Digital explore (Scopus Indexed)**
- Presented in **International Conference**, paper titled “**Assorted Resource Allocation Strategies in Cloud Computing Environment**” in ACET, Puducherry.
- Presented in **International Conference**, paper titled “**Load Rebalancing strategy in Cloud computing**” in Megna Engineering College ,Chennai
- Presented a paper titled “**An Improved Data Grid Management with SRB**” in NPNMJ Engineering College, Perundurai.
- Presented a paper titled “**An Efficient Replica Handling in a Grid Computing**” in Surya Engineering College, Erode.
- Presented a paper titled “**Storage Resource Broker (SRB) Management in a Grid Computing**” in Vellelar college of Engineering & Technology, Erode.