

Faculty Profile

Dr. J. Immanuel Johnraja, M.E., Ph.D

Associate Professor & Head,
Department of Computer Science and Engineering
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Academic Background

Degree	University	Year
Ph.D	Karunya Institute of Technology and Science	2017
M.E	Anna University	2005
B.E	Manonmaniam Sundaranar University	2003

Courses Taught

- Computer Networks
- Advanced Computer Networks
- Cryptography and Network Security
- Wireless Security
- Programming for Problem Solving

Research Interests

- Internet of Things
- Wireless Sensor Networks
- Cloud Computing
- Vehicular Area Networks

Most recent Publications

- Getzi Jeba Leelipushpam Paulraj, Immanuel Johnraja Jebadurai, Jebaveerasingh J, "Fault Tree Analysis based Virtual Machine Migration for Fault-Tolerant Cloud Data Center", Journal of Integrated Design and Process Science, vol. Pre-press, no. Pre-press, pp. 1-17, 2019.
- Getzi Jeba Leelipushpam Paulraj, Sharmila Anand John Francis, J. Dinesh Peter, and Immanuel Johnraja Jebadurai, "A combined forecast-based virtual machine migration

in cloud data centers,” ELSEVIER, Computers & Electrical Engineering, Vol.69, pp. 287-300, 2018.

- Getzi Jeba Leelipushpam Paulraj, Sharmila Anand John Francis, J. Dinesh Peter, and Immanuel Johnraja Jebadurai, “Resource-aware virtual machine migration in IoT cloud,” ELSEVIER, Future Generation Computer Systems, Vol. 85, pp. 173-183, 2018.
- Immanuel John Raja Jebadurai, Elijah Blessing Rajsingh, Getzi Jeba Leelipushpam Paulraj, and Salaja Silas. "EDIS: an effective method for detection and isolation of sinkhole attacks in mobile ad hoc networks." International Journal of Wireless and Mobile Computing 11, no. 3 (2016): 171-181, Inderscience Publishers.

Projects Guided

- A Novel Approach to Geographical routing in Mobile AdHoc networks.
- A Cross-layer Design Approach in Multicast Routing Protocol for MANET.
- ID Based Secure Dynamic IP Configuration for MANET.
- Enhanced Link Cost Model and Protocol for Minimum Energy Routing in MANETs.
- Hybrid single packet IP traceback technique for identifying Zombies.

Memberships in Professional societies

- Life member in Computer Society of India

Significant achievements:

- Instructor – Cisco Certified Network Professional (CCNP)
- Advanced Instructor Excellence awardee by Cisco Networking Academy