

P.Getzi Jeba Leelipushpam
 Associate Professor
 Department of Computer Science and Engineering
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ACADEMIC BACKGROUND

Degree /Course	School/College Name	Year of Passing	Board/ University	%	Class / Rank
Ph.D (IT)	School of Computer Science and Technology	2019	Karunya University	-	-
M.E (NIE)	Karunya University	2009	Karunya University	92.7	FWD
B.E (ECE)	National Engineering College, Kovilpatti	2004	Manonmaniam Sundaranar University	82.7	FWD
XII	Mary Sargent Girls Hr. Sec. School	2000	State Board	92.8	-
X	Mary Sargent Girls Hr. Sec. School	1997	State Board	80.8	-

COURSES TAUGHT

UG Level:

SNO	THEORY	LAB
1	Computer Organization & Architecture.	Digital Design Lab
2	Signals and Systems	Microprocessor and Interfacing Lab
3	Communication Engineering	Networking Lab
4	Software Engineering	Network Security Lab
5	Computer Networks	Internet of Things Lab
6	Digital Principles and System Design	
7	Microprocessor and Interfacing	
8	MPLS and VPN	
9	Introduction to Datascience	
10	Introduction to IoT	

PG LEVEL:

SNO	THEORY	LAB
1	Advanced Communication engineering	Network Design and Management Lab
2	Network management	Wireless Networks Lab
3	Distributed Systems	
4	Advanced Computer Networks	

RESEARCH INTERESTS

- Virtual Machine Migration in Cloud Computing

- Computer Networks, Internet of Things, Fog Computing
- Data Science

PROJECTS GUIDED

UG Level (Mini Project):

1. Air Ticket Reservation System
2. Hostel Management System

UG Level (Main Project):

1. A Finger Print based Authentication scheme for ATM Systems
2. Scelera Based pattern matching
3. Trade Promotion Management
4. Traffic control Automation Project
5. An Android Application for Remote Power Point Presentation Control

PG Level Project:

1. Achieving anonymity in Wireless Ad-Hoc Networks
2. Energy Efficient scheduling in Cloud Computing
3. Improving Migration time by Log Compression
4. All in one Health monitoring system.

ADDITIONAL RESPONSIBILITIES

SNo	Responsibilities	Duration	Role
1	Library In Charge	2004-2007	Stock and Issue Register maintenance
2	Placement and Project Coordinator	2004 – 2007	Placement Preparation, Students Escort, Scheduling and Conducting Reviews
3	Time Table Coordinator	2010 – 2019	Service Request Raising, Workload calculation, Time table plotting
4	Digital and Microprocessor Lab In-charge	2010- 2014	Stock and Issue Register maintenance, Infrastructure Enhancement,
5	CISCO Center of Excellence & CISCO Networking Academy Incharge	2014 – Till Date	Handling certification courses & Coordinating projects and research in the area of networking.

RESEARCH PUBLICATIONS

INTERNATIONAL CONFERENCES

1. Paulraj, G.J.L., Jebadurai, I.J.R., Jebadurai, J., Samuel, N.E., "Cloud-Based Real-Time Wearable Health Monitoring Device Using IoT" Lecture Notes on Data Engineering and Communications Technologiethis link is disabled, 2021, 58, pp. 1081–1087.

2. Anita, R., et al. "Techniques for Reducing the Energy Consumption in Nodes of Wireless Sensor Networks: A Survey." 2019 International Conference on Intelligent Sustainable Systems (ICISS). IEEE, 2019.
3. Angelin, D., et al. "A Cost Effective Framework for Heart Signal Monitoring System." 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS). IEEE, 2020.
4. Paulraj, Getzi Jeba Leelipushpam, Immanuel Johnraja Jebadurai, and J. Jebaveerasingh. "Preparedness in the Aftermath of a Natural Disaster Using Multihop Ad hoc Networks—Drone-Based Approach." *Advances in Artificial Intelligence and Data Engineering*. Springer, Singapore 1281-1286.
5. Paulraj, Getzi Jeba Leelipushpam, et al. "Fault-Tolerant Cloud System Based on Fault Tree Analysis." *Advances in Big Data and Cloud Computing*. Springer, Singapore, 2019. 1-9.
6. Paulraj, Getzi Jeba Leelipushpam, et al. "Route aware virtual machine migration in cloud datacenter." *2018 Second International Conference on Inventive Communication and Computational Technologies (ICICCT)*. IEEE, 2018.
7. Jebadurai, Immanuel Johnraja, Elijah Blessing Rajsingh, and Getzi Jeba Leelipushpam Paulraj. "A Novel Node Collusion Method for Isolating Sinkhole Nodes in Mobile Ad Hoc Cloud." *Advances in Big Data and Cloud Computing*. Springer, Singapore, 2018. 319-329.
8. Paulraj, Getzi Jeba Leelipushpam, Sharmila John Francis, and Immanuel John Raja Jebadurai. "A novel combined forecasting technique for efficient virtual machine migration in cloud environment." *Annual Convention of the Computer Society of India*. Springer, Singapore, 2016.
9. P. G. Jeba Leelipushpam and J. Sharmila, "Live VM migration techniques in cloud environment — A survey," 2013 IEEE Conference on Information & Communication Technologies, Thuckalay, Tamil Nadu, India, 2013, pp. 408-413, doi: 10.1109/CICT.2013.6558130.
10. N. M. Chacko, S. Sam and P. G. J. Leelipushpam, "A survey on various privacy and security features adopted in MANETs routing protocol," 2013 International Multi-Conference on Automation, Computing, Communication, Control and Compressed Sensing (iMac4s), Kottayam, 2013, pp. 508-513, doi: 10.1109/iMac4s.2013.6526466.

PUBLICATIONS

1. Durga, S., Esther Daniel, and P. Getzi Jeba Leelipushpam. "A novel request state aware resource provisioning and intelligent resource capacity prediction in hybrid mobile cloud." *Journal of Ambient Intelligence and Humanized Computing* (2021): 1-14.
2. Leelipushpam, Getzi Jeba, Immanuel Johnraja Jebadurai, and Jebaveerasingh Jebadurai. "Fault Tree Analysis based Virtual Machine Migration for Fault-Tolerant Cloud Data Center." *Journal of Integrated Design and Process Science* 23.3 (2019): 73-89.
3. Paulraj, Getzi Jeba Leelipushpam, et al. "Resource-aware virtual machine migration in IoT cloud." *Future Generation Computer Systems* 85 (2018): 173-183.
4. Paulraj, Getzi Jeba Leelipushpam, et al. "A combined forecast-based virtual machine migration in cloud data centers." *Computers & Electrical Engineering* 69 (2018): 287-300.
5. Jebadurai, Immanuel John Raja, Elijah Blessing Rajsingh, and Getzi Jeba Leelipushpam Paulraj. "Enhanced dynamic source routing protocol for detection and prevention of sinkhole attack in mobile ad hoc networks." *International Journal of Network Science* 1.1 (2016): 63-79.
6. Jebadurai, Immanuel John Raja, et al. "EDIS: an effective method for detection and isolation of sinkhole attacks in mobile ad hoc networks." *International Journal of Wireless and Mobile Computing* 11.3 (2016): 171-181.
7. Raj, Rakhi K., Getzi Jeba, and P. Leelipushpam. "Improved Live Migration Using Compressed Log Files." *International Journal of Engineering Trends & Technology (IJETT)* 1.7 (2013):373-377.

8. Raj, Rakhi K., Getzi Jeba, and P. Leelipushpam. "Live Virtual Machine Migration Techniques-A Survery." *International Journal of Engineering Research & Technology (IJERT)* 1.7 (2012): 1-7.
9. Jebaveerasingh Jebadurai, Immanuel Johnraja Jebadurai, Paulraj, G.J.L., Samuel, N.E, "Super-resolution of digital images using CNN with leaky ReLU", *International Journal of Recent Technology and Engineering*, Volume 8, Issue 2 Special Issue 11, September 2019, Pages 210-212, DOI: 10.35940/ijrte.B1034.0982S1119
10. Jebaveerasingh Jebadurai, Immanuel Johnraja Jebadurai, Paulraj, G.J.L., Samuel, N.E, "Learning based resolution enhancement of digital images", *International Journal of Engineering and Advanced Technology*, Volume 8, Issue 6, August 2019, Pages 3026-3030, DOI: 10.35940/ijeat.F9025.088619.

PROFESSIONAL BODIES MEMBERSHIP

- Lifetime member in CSI

ACHIEVEMENTS

1. Received the "Best Teacher Award" in the Department of Information Technology for the academic year 2011 – 12
2. Received the "Chancellor Award" for the student with highest CGPA 9.27 in the PG Courses during academic year 2008 – 09 from among 454 students
3. Received the "Arthur Nathaniel Award" for the Best outgoing student in PG during academic year 2008 – 09
4. Received the First Rank during all semesters of M.E degree programme among 13 students during the academic period 2007 - 2009
5. Active Instructor - CISCO Networking academy

CERTIFICATION COMPLETION

Course from Coursera

- Google Cloud Platform Fundamentals: Core Infrastructure
- Essential Google Cloud Infrastructure: Foundation
- Essentials Google Cloud Infrastructure – Core services
- Elastic Google Cloud Infrastructure: Scaling and Automation
- Reliable Google Cloud Infrastructure: Design and Process

Course from UDEMY

- Machine Learning A to Z
- Datascience

CISCO Networking Academy Course

- CCNA - 7 Introduction to Networks
- CCNA - 7 Routing and Switching Essentials

- CCNA - 7 Enterprise Networking Security and Automation

REVIEWER

Reviewer – Computer & Electrical Engineering – Elsevier Publications.

Reviewer – IEEE Access