

Name:	MANICKAVASAGAN V		
Designation:	Assistant Professor		
Qualification:	B.E,M.E,(PhD)		
Numberof workshop/ FDP/STTP attended:	Number of Workshops	Number of FDPs	
	2	6	
Journal & conference Publication	11		
Patents	6		
Number of NPTEL course Completed	4		
ProfessionalBody Membership	1. IEEE membership 2. IAENG membership		

WORKSHOP/SEMINARS ATTENDED:

- 1 Workshop on “HANDS-ON TRAINING WORKSHOP IN FULL STACK DEVELOPMENT” from 21st Oct to 23rd October 2024.
- 2 Workshop on “From Scratch to Deployment Hands-On Model Building with keras and Tensor Flow” held on 14th October 2024 to 25th October 2024 .

FDP / STTP ATTENDED:

- 1 STTP on “**Java Full stack with React JS and AI**” , conducted by brain o vision from 2nd December 2024 to 22nd December 2024.
- 2 FDP on “**International Faculty Development Program on Project Excellence Guide: Digital Marketing**” organized by MLR Institute of Technology, Dundigal - Hyderabad, from 21st Oct to 25th Oct 2024
- 3 FDP on “**International Faculty Development Program on Project Excellence Guide: Digital Marketing**” organized organized by MLR Institute of Technology, Dundigal - Hyderabad,, from 24th June 2024 to 29th June 2024.
- 4 FDP on “**CLOUDCOMPUTING TOOLS**””, organized by Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur from 15-10-2024 to 19-10-2024..
- 5 FDP on “**Cloud Infrastructure (AWS)**”,conducted by SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY , Tamilnadu ,From 21st aug 2024 to 25th aug 2024.
- 6 FDP on “**Cyber Security & SIEM**”, Organized by SRM university, 31st July to 4th Aug 2024.

PAPER PUBLISHED:

1. “**Chaotic Leader Particle swarm optimization (CL-PSO) for efficient data storage in a cloud-based Hadoop distributed file system (HDFS)**”, 2024 4th International Conference for Emerging Technology (CONIT), Bangalore, India. Jun 21-23, 2024
2. “**Interactive Blood Bank Repository: Django AWS Approach**”, 2024 5th International conference on Intelgence communication technologies and virtual mobile networking(ICICV),Tirunelveli,India ,March 11-12,2024
3. Enhancing Cloud Resource Allocation Efficiency with Harris Hawk Optimization Algorithm(HHOA)

2024 IEEE International Conference on EECS ,Bhopal,India ,24-24 feb 2024.

4. Handling Imbalanced Data for Credit Card Fraudulent Detection: A Machine Learning Approach

Sujatha E., Umarani V., Rekha K.S., Gopirajan P.V., Manickavasagan V.
Communications in Computer and Information Science (CCIS) – Springer, 2025.

5. **HELM SENTRY Evaluation of Vehicle Self-Repairing System**

Saraswathy S., Sujitha K., Jothi M., Ghayathirelakshhme L., Manickavasagan V.
International Conference on Computing and Communication Technologies (ICCCT), 2025.

6. **Echolight: A Camera-Powered Voice-Assisted Aid for the Visually Impaired**

Saraswathy S., Charu Nethra G., Pradeepa Gandhi S., Angel Barakka J., Manickavasagan V.
ICCCT, 2025.

7. Renal Stone Picture and Values for the Identification of Chronic Renal Illness

Sujatha E., Rathnam M.J., Tharani K., Manickavasagan V.
International Conference on Data Science and Business Systems (ICDSBS), 2025.

8. Metaheuristic Algorithm with Deep Learning Based Secured Lifetime Maximization in Vehicular Adhoc Networks

Manickavasagan V., Susila Sakthy S.
ICCCT, 2025.

9. Innovative IoT and Machine Learning Approach for Smart Baby Monitoring

Nithya D., Soumya S., Packiya M., Nidhya Shree N., Arunadevi R., Manickavasagan V.
ICCCT, 2025.

10. **NavyGuard Pro: Real-Time Health and Location Monitoring for Offshore Crews with NodeMCU ESP32**

Subiksha N., Nasreen Begam Z., Nivya V.P., Parvathi S., Priyanka R., Manickavasagan V.

ICCCT, 2025.

PATENT PUBLISHED:

1 Cloud-Enabled Social Virtual Reality IoT Ecosystem with Real-to-Virtual Device Synchronization – January 2025

2 System and Method for Cryptographic Data Protection Using Advanced Mathematical Techniques – January 2025

3 Skill Forge with Machine Learning Techniques – August 2025

4 PrioritizeIT: Automated Cyber Complaint and Evidence Management System – November 2025

5 Medical Records and Patients Identification Using RFID – November 2025

6 SmartBinX: Intelligent Fill Level Detection and Route Optimization Using IoT Analytics
– November 2025

AWARD:

1. Received “**Top Performing Mentor**” from NPTEL for the courses Cloud Computing and Programming in Java (jun – oct 2024).
2. Received Organizer Certificate from IIT Spoken tutorial Bambay