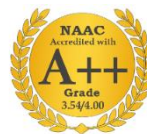





SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)

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Department of Information Technology					
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Date of Joining the Institution	03.01.2018				
Area of Specialization	IOT, Wireless Sensor Network				
Courses taught	Data Structure and Algorithm, Computer Networks, C Programming, Python Programming, Animation Technology, Microprocessor and Microcontrollers.				
Research Focus	IOT, Wireless Sensor Network				
Subject Competency	Data Structure and Algorithm, Computer Networks, C Programming, Python Programming				
No. of papers published	National Journals		International Journals	Conferences	
			8	5	
PG Specialization	M.E (CSE)				
Patents (Filed & Granted)	4				



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Level	Degree	Specialization	University	Year of Completion
PG	M.E	Computer Science Engineering	Anna University Chennai	2016
UG	B.Tech	Information Technology	Anna University Chennai	2014

Details of Journal Publication:

1. Enhanced dynamic duty cycled multiple rendezvous multi-channel media access control (dmm-mac) protocol for underwater sensor network based marine eco system, R Alageswaran, P Swapna, BIOMEDICAL RESEARCH-INDIA 27, S118-S122
2. Analyze And Prevent Modern Email Malware Propagation Using Seii Model, S Sneha, P Swapna, IIOAB JOURNAL 7 (9), 696-702
3. Innovative Air Pollution Monitoring with Sensor Controlled Wireless Communication, Authors, Karthik.V1* and Swapna. P2, Publication date, 2018/4, Journal, Indian Journal of Natural Sciences, Volume, 8, Issue, Issue 47, Pages, 13333
4. A Survey On Mac Protocol In Underwater Sensor Network, P Swapna, S Sneha, IIOAB JOURNAL 7 (9), 703-708
5. Clustering based dynamic duty-cycled multiple-rendezvous multichannel MAC (DMM-MAC) for Bursty traffic in underwater sensor network, P Swapna, R Alageswaran, Advances in Natural and Applied Sciences 10 (10 SE), 289-297
6. Transmission Scheduling Technique for A Propagation transfer using Sensing Protocol Under water Acoustic Wireless Sensor Networks., P Swapna, Ms.J.DHANUSHYA, Journal of Advances in Chemistry 12 (I S S N 2 3 2 1 - 8 0 7 X), 5109 – 5115
7. A Survey on Image Processing and its Algorithms, Ms Swapna P, Journal of Intelligent Data Analysis and Computational Statistics, e-ISSN: 3048-7080, Vol. 2, Issue 1 (January – April, 2025) pp: (36-45)
8. Automated Skin Lesion Segmentation Through Harmonizing Dermoscopic Images With Fusion-Based White Balancing, P. SHOBANA , J. DENY, P. SWAPNA , Journal of Theoretical and Applied Information Technology 15th May 2025 -- Vol. 103. No. 9-- 2025

Details of Conference attended:

1. Smart Invigilator, Ms P Swapna , Emerging Trends in information and communication Technologies, 05-04-2023
2. Enhanced data security using colors and Armstrong numbers, Ms Swapna P , Emerging Trends in Information and communication Technologies, 05-04-2023.
3. Touchless Electrical Appliances Control System, Ms Swapna P, Recent Innovation in Information and Computing Technologies, 05-04-2024
4. Revolutionizing Aquaculture Practices: IoT and Deep Learning-Based Remote Monitoring

for Sustainable Fish Farming, Ms Swapna P, 5th International Conference on Smart Electronics and Communication , 20-09-2024

5. "Securing AODV Protocol in MANETs against Dolphin- Inspired Techniques and Machine Learning ",9th International Conference on computing sciences – 22-10-2024

Details of Patents Filed and Granted:

1. "Secure IOT Device Authentication System Using AI-Based Anomaly Detection Algorithms", Published - 25-10-2024
2. "Method Of Adjusting Nickel Metal Using Machine Learning" – Published - 12-01-2024
3. "IOT Based Fire Monitoring System" – Published - 22-04-2022

Expert Lecture Delivered:

1. Workshop - "Creating Website for own Business" at Virudhunagar Hindu Nadars' Senthikumara Nadar College- 06-02-2023
2. Seminar – "Python Programming" at Latha Mathavan Arts and Science College - 07-09-2023
3. Guest Lecture – "Mobile Addiction" at Shree Maha Matriculation Higher Secondary School- 05-04-2024