VIVEKANANDA INSTITUTE OF TECHNOLOGY

ವಿವೇಕಾನಂದ ತಾಂತ್ರಿಕ ಮಹಾ ವಿದ್ಯಾಲಯ

AN INSTITUTE OF JANATHA EDUCATION SOCIETY

Recognised by GOK, Affiliated to VTU & Approved by AICTE, New Delhi.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Research Activities

a) **Research Guide and Research Scholars Details**

Sl. No.	Research Scholar	Year of Registration	Registration details / University	Title of Research Work	Status
		Research Supervisor : Dr. Shaila K, Professor and HoD			
1.	Mrs. Leelavathi G	2013	Part Time Ph.D in Electrical & Electronics Engineering Science / VTU	Design and Implementation of FPGA Based Public Key Cryptographic Architectures for Nodes in Wireless Sensor Networks	Awarded in 2020
2.	Mrs. Reshma S	2014	Part Time Ph.D in **Computer & Information Sciences** / VTU-RRC, Belagavi	Collaborative Secure Data Aggregation in Wireless Sensor Networks	Awarded in 2023
3.	Mrs. Manasa P	2014	Part Time Ph.D in Electrical & Electronics Engineering Science / VTU	Qos Aware Energy Efficient Routing Protocols in Wireless Sensor Networks.	Awarded in 2023
4.	Mr. Sanjay K Nagendra	2014	Part Time Ph.D in Electrical & Electronics Engineering Science / VTU	Performance Evaluation of MAC Layer Using Autonomic Network Architecture for Wireless Sensor Networks	Awarded in 2023
5.	Mr. Shashikiran B S	2015	Part Time Ph.D in Electrical & Electronics Engineering Science / VTU	Efficient Encrypted Secure Steganography Algorithms Based on Spatial and Transform Domain Techniques	Awarded in 2023
6.	Mr. Sreekantha B	2022	Part Time Ph.D in Electrical & Electronics Engineering Science / VTU	A Machine Learning Method for Trust Based Routing for Hierarchical and Non Hierarchical Network	Completed Comprehensive Viva Voce

b) Paper Publication in Conferences

i. Sreekantha B, Research Scholar and Dr. Shaila K, Professor and HoD, Department of Artificial Intelligence and Machine Learning has presented the paper titled "Exploring the Synergy of Machine Learning Algorithms in Wireless Sensor Networks: A Comprehensive Survey" in Proc. Of the International Conference on Intelligent Electrical Systems & Industrial Automation

(IESIA 2024) at Institute of Engineering & Management, Kolkata, West Bengal, India on 5th – 7th April 2024.

c) Paper Publications in International Journals

i. Sreekantha B, Research Scholar and Dr. Shaila K, Professor and HoD, Department of Artificial Intelligence and Machine Learning has published the paper titled "Exploring the Synergy of Machine Learning Algorithms in Wireless Sensor Networks: A Comprehensive Survey, in Springer Nature pp. 45-57, 29th November 2024.

d) Attended FDP on :

Sreekantha B, Research Scholar

i. Five Days Hybrid Mode FDP on "Natural Language Processing and Generative AI" at Vivekananda Institute of Technology from12th to 16th May 2025.

ii. One Week FDP on "Machine Learning Algorithms and Exploratory Data Analysis at Cambridge Institute of Technology from 8th July to 13th July 2024.

iii. Three day "Technical Writing using LaTex" Workshop at Kalpataru Institute of Technology from 27th June to 29th June 2024.

iv. MongoDB-A Project Based Hands-on Training" at Sai Vidya Institute of Technology in association with VTU, Belagavi from 16th – 18th April 2024.

e) NPTEL Courses Completed

Sreekantha B completed NPTEL courses on :

i.Research Methodology – 75% - Elite with Silver

ii.Introduction to Internet of Things – 76% - Elite with Silver

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