DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Qualification	: B.E, M.E., (Ph.D)
Specialization	: COMPUTER SCIENCE AND ENGINEERING
Research Interest	: Network and Security, Machine Learning,
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Professional Membership	Review Member of "Advanced Vehicles and Mobility Technologies is an international peer-reviewed scientific open-access journal published by EnPress Publisher, LLC." Membership Number: 111227 Review Member of "International Journal of Electrical and Computer Engineering Systems" Member of I.S.T.E Member of Computer Society of India Member of IEEE
TextBooks	**Book :** Title: Object oriented programming using Java Publisher: Scientific International Publishing House (SIPH) ISBN: 9789357577632 Year:2023
Grant/Publication Patents	1. Patent (IPR) published titled on "Ai And Iot Based Predictive Maintenance System To Identify Human Activity Of Mentally Challenged People To Ensure The Security And Stages Of Activity Using Sensors" Application Number: 202341061394 Date Of Filing: 6/10/2023 2. Patent (IPR) published titled on "ADVANCING FIRE DETECTION AND RESCUE SYSTEM USING DE-HAZING ALGORITHM: A MEASURE TO SAFEGUARD LIVES". Application Number: 202341085012 Date Of Filing: 23/02/2024

Certification:-

1. EMC Academic Associate - Data Science and Big DataAnalytics with top scores.
2. Certificate Earned for one month "FACULTY INDUCTION PROGRAMME" at Indian Institute of Madras(IIT) from April23 rd to MAY-18

Resource person:-

1. Acted as Resource person on ""New Trends in MIS" from the Department of Commerce & Management." at Apollo Arts and Science College Chennai, Guduvanchery on 07.02.2023

2. Acted as Resource person on" Efficient Firewall Security in Networking", at vellammal Engineering Collegeon 15.09.2023

Online Course Certifications:-

1. Successfully completed and received certificate on "NSE1 Fortigate certificate" from Foritigate pvt ltd
2. Certificate Earned :Authorized Pearson Testing center administrator
3. Successfully completed ATAL course on "Artificial Intelligence Thrust Areas " April 2020
4. Successfully completed ATAL course on "Block chain Thrust Areas"
5. Successfully completed ATAL course on "Cyber Security for Internet of Things Cyber Security Thrust Areas"
6. Successfully completed ATAL course on "Augmented Reality and Virtual Reality Augmented Reality (AR)/ Virtual Reality (VR) Thrust Areas"

Chapter publication

1. Published paper titled: "Sustainable AI and IOT based Sensor Data Analytics " with ISBN: 978-93-340-1496-9 in the Immortal Publication , 2024

List of Publications:-

JOURNALS

SCI:

1. **Mr.G.Vivekanandan** et al "An optimized Ada Boost Multi-class support vector machine for driver behavior monitoring in the advanced driver assistance systems" Elsevier Expert Systems with Applications 15 September 2022 https://doi.org/10.1016/j.eswa.2023.121317

2. **Mr.G.Vivekanandan** et al "An optimized AdaBoost Multi-class support vector machine for driver behavior monitoring in the advanced driver assistance systems" Elsevier Expert Systems with Applications https://doi.org/10.1016/j.eswa.2022.118618

SCOPUS:

1 Mr. Vivekanandan, et al "Breast Cancer Classification using Fine Needle Aspiration Test with Graphical Neural Networks in Deep Learning, 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)

2 Mr. Vivekanandan, et al "Detecting Insider Threats in Cybersecurity using Machine Learning and Deep Learning Techniques, 2023 International Conference on Communication, Security and Artificial Intelligence (ICCSAI)

3 Mr. Vivekanandan, et al "Solar Panel Power Prediction Using Machine Learning Technique, 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)

4 Mr. Vivekanandan, et al "Virtual Personal Assistant By Using Hand Gesture And Voice Assistant For Disabilities, 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)

OTHER JOURNALS

1. Mr.G.Vivekanandan et al "Automation and Digitalization of Roadway system using IOT", International Journal of Advanced Research in Electrical and Electronics and Instrumentation Engineering 2019, Vol. 8,Issue 2, February 2019.

2. Mr.G.Vivekanandan et al. "DYNAMIC OF EMAIL MALWARE" International Research Journal of Engineering and Technology 2021, Volume: 08 Issue: 04.

3. Mr.G.Vivekanandan et al " SOILLESS CULTIVATION USING IOT "International Research Journal of Engineering and Technology 2021,Volume: 08 Issue: 04.

4. Mr.G.Vivekanandan et al "OPTIMIZED ROUTING AND DENIAL OF SERVICE FOR ROBUST TRANSMISSION IN WIRELESS NETWORKS" International Research Journal of Engineering and Technology (IRJET) Volume: 09 Issue: 04 | Apr 2022.

5. Mr.G.Vivekanandan et al "An optimized Ada Boost Multi-class support vector machine for driver behavior monitoring in the advanced driver assistance systems" Elsevier Expert Systems with Applications 15 September 2022.