

Faculty Profile



Dr. S. Vidhya , M.Tech., Ph.D
Associate Professor

HIGHLIGHTS:

- Number of Journal Publications:12
- H-Index:4
- Project Funding Received: Nil
- Patents Published:2
- Patents Granted:1

PROFESSIONAL LINKS:

- Scopus ID: 57964806900
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57964806900>
- Google Scholar ID: wKSpvEEAAAAJ
- Anna University Faculty ID:
- AICTE Faculty ID:1463705891
- Anna University Supervisor ID: NA
- LinkedIn:

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 18 Years 9 months
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

NIL

AREA OF SPECIALIZATION:

- Wireless Sensor Networks
- Machine Learning
- Artificial Intelligence
- Deep Learning.

Ph.Ds AWARDED WITH DETAILS: NIL

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
-	-	-	-	-
-	-	-	-	-

Ph.Ds GUIDING:

- **Full Time Scholars: NA**
- **Part Time Scholars : NA**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Applied for TNSCST project proposal “Sleep sensing identification of students in a class room “in April 2019.

PATENTS PUBLISHED/GRANTED:

- Innovation Patent - A MACHINE LEARNING ALGORITHM FOR DETECTING DRIVER DROWSINESS.
- Design Patent- IOT Based Wearable Mobile Monitoring Device

COURSES CERTIFIED:

- IUCEE International Engineering Educator Certification Program Fall 2023 in December 23.
- NPTEL Swayam-Fundamentals of Artificial Intelligence in November 24.
- Wipro Mission 10x-High Impact Teaching Skills in May 2011.

ACHIEVEMENTS AND AWARDS:

- Secured “100% Result **Best Teacher Award**” for 10 times.
- Received **Highly Commented** for PhD Thesis “Performance Studies on improving data integrity and intrusion detection for energy efficient Wireless Sensor Networks” from Indian Examiner Dr.RAJIB KAR, Associate. Professor, Dept of ECE, NIT Durgapur, West Bengal,India.

SPECIAL SESSIONS DELIVERED:

- Delivered a lecture on “Network Security” in Anna University Approved Faculty Development Training Programme on EC8702-Adhoc and Wireless Sensor Networks from 27-06-2022 to 02-07-2022 at St Joseph’s College of Engineering, OMR, Chennai.
- Delivered a lecture on “Econtent Development” on 7th September 2023 at Saveetha College of Nursing

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

National Conferences:

- “Discovery of ranking fraud for mobile Apps, on ICTCON’16, Saveetha Engineering College on 30th March 2016.
- “Energy Investigation of Nodes In Wireless Sensor Networks with AODV”, NCRVIC’ 2014 B.S.Abdur Rahman University on 27th & 28th March 2014.
- “RFID based location system for forest search and rescue mission” ICTCON’14, Saveetha Engineering college on 5th March 2014.
- “An improved security scheme for wireless sensor network using attacks, National conference of Information Technology, St.Joseph College of Engineering on 10th April 2013.
- “A local/remote files manager for FTP4 android platform by using fragmentation, ETICT at Saveetha Engineering College on 14th March 2012.

International Conferences Indexed in Scopus:

- “Milk Quality prediction using Supervised Machine Learning technique “Lecture notes in Networks and Systems”, 2023 682 LNNS, pp 267-278.
- “Intelligent Compression of Data on Cloud Storage” Lecture Notes in Networks and Systems”, 2023, 681, LNNS, pp.243-252.
- “A survey on artificial neural network based energy-efficient and robust routing scheme for pollution monitoring in WSNs” ICMMT 22 Journal of Physics Conference Series.
- “Performance Analysis of Black Hole Attack Detection Scheme using MD5 Algorithm in WSN” International Conference on Smart Structures & Systems”(ISSS-2014) at Saveetha Engineering College, 9th & 10th October 2014.

International Conferences:

- “Recognizing artificial speech deceptive advertising using machine learning” in ICICT24 organized by Department of Computer Science and Engineering on 27th March 2024 at Velammal Institute of Technology.
- “Enhanced prevention of DDS attack, using Semi Supervised Hybrid Model Algorithm” in ICICT24 organized by Department of Computer Science and Engineering on 27th March 2024 at Velammal Institute of Technology.
- “Enhanced Security towards trustworthy crowdfunding and scrutinize reliable fund flow” DST Serb Sponsored International Conference on IC2ACM-23 conducted by RMK College of Engineering and Technology, on 21st -23rd December 2023
- “Strengthening security in smart cities and implementing anomaly detection and eliminating malicious node”, DST Serb Sponsored International Conference on IC2ACM-23 conducted by RMK College of Engineering and Technology, on 21st -23rd December 2023.
- “Prediction of chronic kidney disease using Machine Learning Classification Techniques and CNN” in ICARSI-2023 organized by Saveetha Engineering College from 21st and 22nd April 2023.

- “Bio Bank –An Innovation Authentication System for B2b Transaction” ICRTITA ’22 held at Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technology, 2022.
- “Water Quality Monitoring and Notification System Based on Arduino Matlab and Visualization Techniques” ICRTITA ’22 held at Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technology,2022.
- “Detection and Elimination of Black Hole and Grey Hole Attack on MANET,” International Conference at AMET University on 6th October 2017.

Seminar Attended:

- DST - SERB, New Delhi sponsored National Level Seminar on "Navigating the Cloud Security Frontier: Unravelling the Challenges in Cloud Computing" organized by Department of Computer Science and Engineering, R.M.K. College of Engineering and Technology, Chennai on 06.10.2023 and 07.10.2023
- International Webinar on “Introduction to Machine Learning and its Research Perspective” organized by World Wide Innovations network(WWIN)on 23rd Nov 2022.

Workshops Attended:

- Attended a two-day workshop on “Transformative Leadership: Building and Developing High Performance team “organized by STLC from 27th to 28th July 2023.
- Attended International Workshop on “Methodologies on writing Thesis, proposals and Journals” Organized by Higher Education Academy of London in Sree Sastha Institute of Engineering and Technology on 11th January 2017.
- Attended One-week workshop ISTE short term training program on “Introduction to design of algorithms” SEC from 25th May 2015 to 30th May 2015.
- Attended on Workshop on “Optimization techniques –Data Analysis in Engineering & Medical Applications “in Saveetha University on 21st February 2014.
- Attended Workshop on “Statistical analysis and structural equation Modeling” in SEC 26th February 2014 & 27th February 2014.
- Attended workshop on “Certificate for completion of Linux workshop” IIT Bombay on 02nd August 2013.
- Attended Workshop on “Recent trends in sensor networks and hands on training in OPNET” in SEC from 14th March 2013 &15th March 2013.
- Attended ISTE workshop on “Aakash for education”, Remote center- SEC, Chennai 10th Nov 2012 to 11th Nov 2012
- Attended Two day National level workshop on “Advanced Engineering Optimization and Modeling using MATLAB & SCILAB” in SEC 29th and 30th November 2012.

PROFESSIONAL MEMBERSHIPS:

- IAENG Life Member.
- ACM

OTHER DETAILS (If any):NIL