Faculty Profile



Assisstant Professor – CSE-CS

HIGHLIGHTS:

- Number of Journal Publications:4
- H-Index:2
- Project Funding Received: NIL
- Patents Published:08
- Patents Granted: NIL

PROFESSIONAL LINKS:

- Scopus ID: 57475591400
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57475591400
- Google Scholar ID: https://scholar.google.com/citations?user=zARochAAAAAJ&hl=en&oi=ao
- Anna University Faculty ID: 2670791985
- AICTE Faculty ID: 1-43649619010
- Anna University Supervisor ID: NIL
- Vidwan id: NIL
- LinkedIn:

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 4 Years 4 Months
- Industrial Experience: NIL

AREA OF SPECIALIZATION:

Data Mining, Artificial Intelligence, Applied machine learning including deep learning, reinforcement learning, federated learning and uncertainty quantification.

Ph.Ds GUIDING:

- **Full Time Scholars: NIL**
- **Part Time Scholars: NIL**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY: NIL

PATENTS PUBLISHED/GRANTED: 10

SL.NO	PATENT TITLE	PATENT NUMBER	DATE OF FILING	DATE OF PUBLISHED	ORGANIZATION
1	A MULTILINGUAL GENERATIVE AI MODEL FOR LOW RESOURCE INDIAN LANGUAGES	202641072526	11/06/2026	19/06/2026	SAVEETHA ENGINEERING COLLEGE
2	A DEEP LEARNING BASED SYSTEM AND METHOD FOR EARLY PREDICTION OF CARDIAC ATTACK RISK USING PATIENT HEALTH RECORDS	202541130548	23/12/2025	20/02/2026	SAVEETHA ENGINEERING COLLEGE
3	UNIFIED DEEP LEARNING FRAMEWORK FOR DIGITAL IMAGE FORGERY DETECTION	202541130547	23/12/2025	20/02/2026	SAVEETHA ENGINEERING COLLEGE
4	AI DRIVEN AUTONOMOUS AND ADAPTIVE FIREWALL	202541128488	18/12/2025	20/02/2026	SAVEETHA ENGINEERING COLLEGE
5	AI RAG RESEARCH PARTNER	202541113207	18/11/2025	09/01/2026	SAVEETHA ENGINEERING COLLEGE
6	AI BASED ROBOT FOR PIPELINE INSPECTION AND MAINTENANCE	202541017831	28/02/2025	21/03/2025	SAVEETHA ENGINEERING COLLEGE
7	SMART BLOCKCHAIN GOVERNANCE USING REINFORCEMENT LEARNING ALGORITHMS	202541014106	19/02/2025	07/03/2025	SAVEETHA ENGINEERING COLLEGE

8	SMART WEARABLE IOT DEVICE FOR CONTINUOUS CARDIOVASCULAR HEALTH MONITORING	202541033659	07/04/2025	02/05/2025	SAVEETHA ENGINEERING COLLEGE
9	IOT DRIVEN WORKPLACE OPTIMIZATION PLATFORM FOR INVENTORY MANAGEMENT	202441050796	03/07/2024	19/07/2024	SAVEETHA ENGINEERING COLLEGE
10	AI-ENABLED AUTONOMOUS DRONE PATROLLING SYSTEM FOR ANTI-POACHING AND WILDLIFE PROTECTION	202341070952	18/10/2023	03/11/2023	SAVEETHA ENGINEERING COLLEGE

COURSES CERTIFIED: -

ACHIEVEMENTS AND AWARDS: -

SPECIAL SESSIONS DELIVERED: NIL

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

SCOPUS INDEXED CONFERENCES:

1. S. Hemadharsana, G.S. Mahalakshmi and S. Sendhilkumar (2026). Dynamic Temporal Topic Evolution Network (DT-TEN): A Time-Aware Transformer- Recurrence Framework for Modeling Topic Transition-Cluster Computing, Springer (under review)

2. S. Hemadharsana, G.S. Mahalakshmi and S. Sendhilkumar (2025). Cross Attentive Multi Modal Topic Modeling for Richer Contextual Analysis of Text and Auxiliary Data-Scientific Reports, Springer (under review)

3. G.S. Mahalakshmi, S. Hemadharsana, K. Srividhya Saradha and S. Sendhilkumar (2023). Exploring Correlation of Deep Topic Models Using Structured Topic Coherence. In 3rd International Conference on Data Analytics & Management (ICDAM-2022). Data Analytics with Computer Networks, Organized by The Karkonosza University of Applied Science, Poland, 25th - 26th June 2022.

4. G.S. Mahalakshmi, S. Hemadharsana, K. Srividhya Saradha and S. Sendhilkumar (2023). Applying Topic Models for Finding N-Gram Entities in Biomedical Literature. Book Chapter Title: Applications of Artificial Intelligence in the Healthcare Sector (2022). Nova Publishers.

5. Mahalakshmi, G. S., Hemadharsana, S., Muthuselvi, G., & Sendhilkumar, S. (2018, November). Learning Deep Topics of Interest. In International Conference on Computational Vision and Bio Inspired Computing (pp. 1517-1532). Springer, Cham.

PROFESSIONAL MEMBERSHIPS: * IEEE Member-102335474