Faculty Profile



Ms. G Abinaya, M.E., (Ph.D)
Assistant Professor (OG) – IT

HIGHLIGHTS:

- Number of Journal Publications: 22
- H-Index: 3
- Project Funding Received: NIL
- Patents Published: 4
- Patents Granted: 0

PROFESSIONAL LINKS:

- Scopus ID: **55831034300**
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=55831034300
- Google Scholar ID: **VSQbTD4AAAAJ**
- Anna University Faculty ID: **2683081991**
- AICTE Faculty ID: **1-9467640340**
- LinkedIn: https://www.linkedin.com/in/abinaya-g-a3310577/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 10 years
- Industrial Experience: 2.5 years

INTERNATIONAL EXPOSURE:

Nil

AREA OF SPECIALIZATION:

- Machine Learning and Deep Learning
- EEG-Based Cognitive Workload Estimation
- Multimodal Physiological Signal Processing
- Applied AI, Web Engineering and Mobile App Development

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

NIL

PATENTS PUBLISHED/GRANTED:

- Empowering the Visually Impaired: The Innovative Smart Cane Navigation System, September 2023.
- A Machine Learning Algorithm for Detecting Driver Drowsiness, May 2023.
- Blockchain-Enabled Device for Enhancing Computer Network Safety, April 2023.
- ML-Based Device to Validate Handwriting on Bank Cheques, 2024.

COURSES CERTIFIED:

- Python for Data Science – NPTEL
- Database Management Essentials (honors) – Coursera
- HTML, CSS, and Javascript for Web Developers – Coursera
- SQL: A Practical Introduction for Querying Databases – Coursera
- Introduction to Databases – Coursera
- Spring MVC, Spring Boot and Rest Controllers – Coursera

ACHIEVEMENTS AND AWARDS:

- International Journal Reviewer – Springer Nature and Elsevier, contributing to peer review and scholarly research evaluation across multiple journals.
- NPTEL Top Performing Mentor.
- IUCEE International Engineering Education Certification with Distinction (Score: 93.46).
- Google Cloud Career Launchpad Facilitator.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Attended workshop on "**Effective Research Proposal and Research Paper Writing**" conducted by Velammal Engineering College.
- Attended one week FDP on **"Blockchain"** conducted by Kamaraj College of Engineering and Technology.
- Attended one week FDP on **"Deep Learning and IoT Driven Smart Applications"** conducted by MLRIT.
- Attended one week FDP on **"Implications of Emerging Computing Technologies"** conducted by Hindusthan College of Arts and Science.
- Attended one week FDP on "**Empowering Image Processing and Artificial**

Intelligence Techniques with MATLAB" conducted by SRM Institute of Science and Technology.

- Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Deep Learning for Natural Language Processing**" from 15-11-2021 to 19-11-2021 at Bhilai Institute of Technology Durg.
- Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "**Artificial Intelligence And Machine Learning: Research And Application Perspective**" from 25-10-2021 to 29-10-2021 at Ballari Institute of Technology and Management.
- Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "**Perspectives of Blockchain Integrated with IoT: Challenges and Opportunities**" from 05-07-2021 to 09-07-2021 at PSNA College of Engineering and Technology.
- Attended AICTE Training and Learning (ATAL) Academy Online FDP on "**Cyber Security**" from 22-03-2021 to 26-03-2021 at FRANCIS XAVIER ENGINEERING COLLEGE.
- Participated in the AICTE Sponsored six days Short Term Training Programme (STTP) on "**Research Challenges and Emerging Trends in Ontology and Data Science for Deep Learning**" from 01-03-2021 to 06-03-2021 organized by IQAC, MVJ College of Engineering, Bangalore
- Attended AICTE Training and Learning (ATAL) Academy Online FDP on "**Augmented Reality (AR)/ Virtual Reality (VR)"** from 22-02-2021 to 26-02-2021 at KLE Dr. M S Sheshgiri College of Engineering & Technology.
- Participated in One Week AICTE Sponsored Short Term Training Program (Online – STTP) on "**Challenges and Research Directions for Blockchains in the Internet of Things**" from 08-02-2021 to 13-02-2021 at Sona College of Technology, Salem.