Faculty Profile

Dr. Chamundeswari A., M.E., Ph.D
Professor, CSE
Date of Joining: 22.05.2024

HIGHLIGHTS:

- Number of Journal Publications: 9
- H-Index:7
- Project Funding Received: 1.8 lakhs
- Patents Published:Nil
- Patents Granted:Nil

PROFESSIONAL LINKS:

- Scopus ID: 57213262363
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57213262363
- Google Scholar ID: https://scholar.google.com/citations?user=-qLt19wAAAAJ&hl=en
- Anna University Faculty ID: 3122161
- AICTE Faculty ID:1456875147
- Anna University Supervisor ID: 2740072
- LinkedIn: https://www.linkedin.com/in/chamundeswari-arumugam-93831217/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 25+ years of experience
- Industrial Experience: 2 years

INTERNATIONAL EXPOSURE:

- Secretary in Springer IFIP TC 12 WG 13 AI for Global Security(http://ai4gs.org)

- Reviewer for the International Journal of Systems and Software Security and Protection, IGI Global publishers.

- Reviewer for Neural Computing and Applications, Springer.

- Co-author of the book titled, Illumination of Artificial Intelligence in Cybersecurity and Forensics, (Oct 2021) published in the book series, Lecture Notes on Data Engineering and Communications Technologies, Springer Nature Switzerland AG, Gewerbestrasse 11, 6330 Cham, Switzerland.

- Co-author of the book titled, Confluence of AI, Machine, and Deep Learning in Cyber Forensics, (Dec 2020), a volume in the Advances in Digital Crime, Forensics and Cyber Terroism(ADCFCT), IGI Publication book series, USA.

- Reviewed the book, So ware Engineering Essen alized wri en by Ivar Jacobson, Switzerland, 2017

- Chamundeswari A. and Chitra Babu, "Test Esma on using UML Use Case Model", First ADAPT summer school, University of Koblenz, Germany, 26th Sep – 2nd Oct 2010. (h p://userpages.uni-koblenz.de/~adapt/summerschool2010/workshop.html).

- Conference participated and presented research paper in Springer MoSICom 2020, BITS Pilani, Dubai

- Conference participated and presented research paper in Springer ICCSA 2018, Monash University, Australia

- Travelled countries like Germany, Australia, and Dubai.

AREA OF SPECIALIZATION:

- Software Engineering
- Software Project management,
- Global Software Development
- Cyber security
- Cyber Forensics

Ph.Ds GUIDING:

- **Full Time Scholars:** Ms. Manimegalai (Full time), Mr.Desigan (Full time)
- **Part Time Scholars :** Mr. Kapilan K.A.G. (Part time), Mr.Santhosh (Part time) Mr.Nanda Kumar(Part time)

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Applied a project titled, "A longitudinal study to investigate the Impact of Vocational UG Programmes in Developing the 21st Century skill's in Students", for a grant of 2.4 Cr, ICSSR, India in collaboration with Dr.Renomol V.G, Department of IT, SOE, CUSAT, Kerala, Dr.Nimitha Aboobaker, Assistant Professor, School of Management Studies, CUSAT, Kerala, Dr.Delecta Jenifer R, Saveetha Engineering College, Chennai, Ms.Maya Devi Menon, Mind Empowered, Kochi, Kerala, Mr.Varadarajan, Video Yantra Solutions, Chennai.

- Completed research project titled "Multi objective optimization techniques to improve the automation of test data generation in SBST". This two-year project, 16th Oct 2014 to 15th Oct 2016, was approved and financially supported by SSN institutions. The grant allocated for this project was Rs. 1.80 lakhs. Pooja G, Mohanasundari R, Anand Kumar M, Sayooj P, Jayashri M are the student volunteers, who worked on this project.

ACHIEVEMENTS AND AWARDS:

- Chair in International Conference on Security and Data privacy, Sri Sivasubramaniya Nadar College of Engineering, India, May 2022.

- Delivered a talk at Software Engineering Research in India Update Mee ng 2019, Department of Computer Science and Automa on, IISc Bangalore, 12th and 13th July, 2019.

- Chair in Second IEEE International Conference on Computational Intelligence and Data Science 2019 conference at Sri Sivasubramaniya Nadar College of Engineering.

- Computer Society of India (CSI) student branch counsellor from 2008 onwards at SSN College of Engineering. Organizing many seminars, workshops, and competitions for the undergraduate student's community.

- Organized various Faculty Development Program, Workshops at SSN College of Engineering

- Reviewers for many International conferences, namely ICCSA 2018, ICCIDS 2018, ICCSA 2019, ICCIKE 2019, ICCIDS 2020, etc.

- Presently guiding five Ph.D research scholars and many undergraduate students to publish research papers in Springer, ACM, IEEE, etc. in interdisciplinary areas.

SPECIAL SESSIONS DELIVERED:

- Delivered a expert talk on the topic titled, "Hospital Data Compliance in Digital Era", at ISE Department Research Committee, CMR INSTITUTE OF TECHNOLOGY, BENGALURU, on 5th Dec 2024

- Delivered a talk at Software Engineering Research in India Update Meeting 2019, Department of Computer Science and Automation, IISc Bangalore, 12th and 13th July, 2019.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Springer MoSICom 2020, BITS Pilani, Dubai

- Springer ICCSA 2018, Monash University, Australia Springer

- TEAMC 2018, Nethaji Subash Ins tute of Technology, New Delhi

- ACM ICCCT 2017, Motilal Nehru National Institute of Technology, Allahabad, India.

- IEEE International conference CAST 2016, College of Engineering, Pune, India

- ACM COMPUTE 2016, Gandhi Nagar, India.

- ACM ICSE 2014, Hyderabad, 2014 ACM ISEC 2010, Infosys, Bangalore

PROFESSIONAL MEMBERSHIPS:

- ACM, member

- ISTE, life member

- CSI, life member