



Ms.ARUNA A S

Assistant Professor
Department of Computer Science and Engineering
College of Engineering Vadakara
Mobile: 9495092260
Email: aruna.arathi@cev.ac.in

Qualifications:

- B.Tech in Computer Science and Engineering
- M.Tech in Computer and Information Science
- Pursuing Ph.D-Part Time in Kerala Technological University(KTU)

Experience:

- Working as Assistant Professor in College of Engineering Vadakara since 2010.
- Worked as Assistant Professor in College of Engineering Thrikaripur from 2006 to 2010
- Worked as Lecturer in AWH Engineering College for one year (2005-2006).
- Total Teaching Experience: 16 years

Areas of Interest:

- Bioinformatics
- Natural Language Processing
- Algorithms and Complexity

Positions held:

- CSI Student Branch Counsellor from 2018
- Institutional Nodal Officer of NKN from 2017
- University Exam Cell (KTU & CUSAT) Coordinator during 2018-20
- Staff Advisor of 2019-23-CS Batch-KTU
- Timetable Coordinator of CS department during 2020-21
- Head of the Department during 2016-2018
- IEEE Student Branch Counsellor in 2015-16
- Staff Advisor of 2012-16-CS Batch
- Digital India Week Programs Coordinator in 2014-15
- Series Exam Committee member in 2010-11

Projects Guided:

- Smart Bin: Waste Management with Real Time Monitoring System, 2020-21
- AIM BOT – Autonomous Defence Robot for Farmers, 2020-21

- Flood Relief and Camp Management System, 2019-20
- Multipurpose Autonomous Rover System, 2018-19
- STEGANOPIN : A Secure pin Authentication Method, 2017-18
- Autonomous Parcel-carrying Drone, 2017-18
- AI based Banker System, 2016-17
- Vehicle Sharing System using Android, 2016-17

Publications:

- Aruna A S et al.,(2021).Smart Bin: Waste Management with Real Time Monitoring System-National conference on Advances in computing communication signals energy and technology-ACCSET'21-AIP Publishing Accepted
- Aruna A S et al.,(2021).AIM BOT – Autonomous Defence Robot for Farmers-National conference on Advances in computing communication signals energy and technology-ACCSET'21- AIP Publishing Accepted
- Aruna A S et al.,(2021).Flood Relief and Camp Management, International Journal of Advanced Research in Computer Science,12(2)
- Aruna AS et al.,(2017). Cloud Storage Data Deduplication with Encryption. International Journal of Advanced Research in Computer Science, 8(1).
- Aruna AS et al.,(2017) Object Detection using Background Subtraction Tolerating Sudden background variations. International Journal on CS and IT,8(2).
- Aruna AS et al.,(2017) Data mining in Cyber Crime Analysis. International Journal of Scientific Research (IJSR) ,(RCIP'17)
- Aruna, A. S et al., (2014). Sentiment Analysis using Linguistic Structures-(Adv-Adj-Noun). International Journal of Advanced Research in Computer Science, 5(1).

Training Programmes Organised:

- Workshop on Networking for students under Teqip II in June 2021
- Webinar on Cyber Law and Aspects of Cyber Forensics under CSI SB CEV in March 2021
- Webinar on Pursuing a career in CS under CSI SB CEV in January 2021
- Orientation Program - CSI(online) under CSI SB CEV in January 2021
- Webinar on How to be Safe under CSI SB CEV in August 2020
- Webinar on Dark Web under CSI SB CEV in May 2020
- Workshop on Linux Commands for First Year students under CSI SB CEV in 2019-2020
- Workshop on Ubuntu: Openstack for students under Teqip II in October 2019
- Workshop on PC Assembly and OS installation under CSI SB CEV in October 2018
- Expert Talk on Engineering Perspective for Cyber Crime Investigation under CSI SB CEV in September 2018
- Workshop on Android for students under Teqip II in 2016-17
- Workshop on MATLAB for students under Teqip II in 2016-17
- FDP on Web Technologies under Teqip II 2015-16
- Expert talk on What after BTech under IEEE Student Branch CEV in 2015-16
- Workshop on Robotics BTech under IEEE Student Branch CEV in 2015-16

Conferences Co-ordinated:

- National Conference on Recent Innovations in Data Science in 2016(NCDS'16)

Achievements:

- Qualified UGC-NET in 2017
- Qualified GATE in 2018
- Rank holder for MTech Course

Professional Body Memberships:

- Member of Computer Society of India (CSI)
- Life Member of Indian Society for Technical Education (ISTE)

Training Programmes Attended:

- Two day National Conference, Advances in Computing Communication Signals Energy and Technology, ACCSET'21 conducted on 26th and 27th May 2021 at College of Engineering Vadakara.
- Online FDP on Mathematics for Machine Learning organized by NIT, Arunachal Pradesh in January 2021
- Online FDP on RESEARCH FRONTIERS IN COMPUTER SCIENCE organized by Christ College of Engineering, Irinjalakuda in July 2021
- Online FDP on CYBER SECURITY AND BLOCKCHAIN TECHNOLOGY organized by College of Engineering Perumon in January 2021
- Online FDP on DATA ANALYTICS organized by College of Engineering Kidangoor in February 2021
- Online FDP on "Exploring Image Processing and Computer Vision using Python" organized by College of Engineering Kidangoor in March 2021
- Online FDP on Recent Advances in Research Domains in Machine Learning organized by LBS Institute of Technology for women in December 2020
- Online FDP on Recent Trends and Advancements in IT organized by FISAT in July 2020
- FDP on Deep Learning using Python ANALYTICS organized by Govt. Engineering College Kozhikode in 2019-20
- FDP on Computer Vision and Deep Learning using Python and OpenCV organized by Govt. Engineering College Kannur in 2018-19
- FDP on An excursion to topics in algorithm design organized by Model Engineering College in 2017-18
- Pedagogy Training, IIT Madras organized by IIT Madras in 2016-17
- Educational Leadership Program organized by IIM Kozhikode in 2015-16
- Workshop on Moodle organized by S H College, Thevara 2014-15
- FDP on Enterprise Cloud Computing organized by IIM Kozhikode in 2013-14