



FACULTY PROFILE

Name	Mrs. R. SUMATHI				
Gender	FEMALE				
Present Designation	ASSISTANT PROFESSOR	Regular / Adjunction	REGULAR		
Date of Joining	11-07-2012				
Mobile No.		Email	mailto:sumathime.ece@cahcet.edu.in		
Highest Educational Qualification	ME	Specialization	APPLIED ELECTRONICS		
Additional Qualification	GATE/NET/SLET	-			
Total working Experience		(i) Teaching	: 13 Years 4 Months		
		(ii) Industry	: Nil		
Publications	Journals	International Journals	Nil	National Journals	01
	Conferences	International Conferences	02	National Conferences	
No. of Patent	-				
No of Workshops/Seminars/Conferences/ FDP attended	FDP:24 Seminars: Nil Workshops: 1				
No of Workshops/Seminars/Conferences/ FDP organized	FDP:Nil Seminars:Nil Workshops:01				
No of UG / PG / Ph.D Guidance:	UG: 5 PG:Nil PhD:Nil				
Membership in Professional Bodies	Nil				
Awards / Recognition Received	Nil				
Other Responsibilities, if any	* Mention the Google Scholar Link				

PUBLICATION DETAILS:

- T S Sindhu, G Chandrika, G Divya, R Sumathi, P Durga ,Rice leaf disease detection using machine learning technique, AIP Conference Proceedings, 2935, 020007 (1-6).2024.
- R. Sumathi, Mohamed Yousuff Caffiyar , E. keerthana, M. Harini, A. Athifa kouser, M. Nithya shree, M. K. Srisha, The Future of Domestic Convenience: An In-depth Review of IoT -enabled Smart Home Technologies, Trends in Electrical Engineering, Volume 14, Issue 2, 2024.



**C. ABDUL HAKEEM COLLEGE OF ENGINEERING AND
TECHNOLOGY**

Hakeem Nagar, Melvisharam-632 509



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- R. Sumathi has successfully presented a paper titled Smart Healthcare Security System using Blockchain Technology with Integrated IoT and Deep Learning Technique at the International Conference on Computing and Emerging Technologies for Sustainable Planet (ICCETSP'25), held on 16 & 17 April 2025 organized by SRM Institute of Science and Technology, Vadapalani, Chennai, Tamil Nadu, India.

EVENTS ORGANIZED:

- Coordinator for National Level Robotics challenge “BOT ARENA” organized by department of ECE on April 26, 2024. (Academic Year 2023-2024)
- Coordinator for National Level Technical Symposium “TECHNOVIAL ‘24” organized by department of ECE on October 10, 2024. (Academic Year 2024-2025)
- Organizer for Hands on Workshop “ARDUINO PROTEUS” for the Academic year 2022-2023.
- Coordinator for the Mini Project Expo conducted by the Department of ECE on September 25, (Academic Year 2025–2026, Odd Semester).
- Organized an online Guest Lecture on “OPERATIONAL AMPLIFIERS IN MODERN ELECTRONIC SYSTEMS” for the Final Year ECE students on 29.09.2025 (Monday) from 11:00 a.m. to 12:30 p.m. (Academic Year 2025–2026, Odd Semester).

FDP AND WORKSHOP DETAILS:

1. Mrs. R SUMATHI, Assistant Professor of C. Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI and Emerging Technologies for Sustainable Energy and Climate Adaptation at IIIT Kottayam from 25/11/2024 to 30/11/2024.
2. Mrs. R SUMATHI, Assistant Professor of C. Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Crystal Growth, Semiconductor Processing and Manufacturing Technologies at Indian Institute of Technology (Indian School of Mines) Dhanbad from 16/12/2024 to 21/12/2024.

3. Mrs.R.SUMATHI has successfully Participated 10 Hours (25th Oct to 31th Oct 2023) National level FDP on **“Learning for NLP and Computer vision”** Organized by NIST in collaboration with ExcelR Edtech Pvt. Ltd.
4. Mrs.R.SUMATHI has successfully Participated Five days FDP on **“Emerging Trends in Artificial Intelligence and Deep Learning”** Organized by Sri Sai Ram Institute of Tech,Chennai from 26.12.2023 to 30.12.2023.
5. 1 week FDP on **“The Art of Research and Development”** Organized by IEEE PCS Madras chapter from 26.12.2023 to 30.12.2023.
6. Mrs. R.SUMATHI has successfully Completed the course **“VLSI to Systems Design: Silicon to End Application Approach”** Organized by AICTE from July 31st to 4th August 2023.
7. Mrs.R.SUMATHI has successfully Participated Two week FDP on **“Advanced Research Methodology”** Organized by SRM institute of Science and Technology from 3rd July 2023 to 18th July 2023.
8. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has actively participated in **“ 7 DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON ESSENTIAL SKILLS FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION”**organized by Star International Foundation for Research And Education on 01.07.2024 – 07.07.2024.
9. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Crystal Growth, Semiconductor Processing and Manufacturing Technologies at Indian Institute of Technology (Indian School of Mines) Dhanbad from 16/12/2024 to 21/12/2024.**
10. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **AI and Emerging Technologies for Sustainable Energy and Climate Adaptation at IIIT Kottayam from 25/11/2024 to 30/11/2024.**
11. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Emerging VLSI and Antenna Technologies for Secure Communication in Défense Systems and Enhanced Radiation Protection in Space Environments at **GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT GITAM CAMPUS BENGALURU** from 03/02/2025 to 08/02/2025.
12. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Next-Generation Algorithms and Technological Advances at MIT CAMPUS, ANNA UNIVERSITY** from 06/01/2025 to 11/01/2025.
13. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and

Technology has successfully participated in “**ONE DAY ONLINE FACULTY DEVELOPMENT PROGRAM ON AI TOOLS FOR TEACHING**” organized by by Star International Foundation for Research And Education on 22.06.2024.

14. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated in the “ **online Faculty Development Program On Modern Medical Instrumentation**” organized by the Department of Biomedical Engineering in association with Biomedical Engineering Society of Indis (BMESI) from 4th to 8th December 2023.
15. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated Five day (7th August 2023 to 11th August 2023) FDP on “**Emerging Technologies**” Organized by Dr. M.G.R. Educational and Research institute.
16. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated in 10 Hours National Faculty Development Program on “**NLP, Computer Vision and Artificial Intelligence**” Organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt.Ltd. Date 4th Dec to 8th Dec 2023.
17. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated in National Level Six Days Faculty Development and Training Program on “ Emerging Research Trends in Engineering and Technology” organized by Department of Computer Science and Engineering , Kings Engineering College from 04 Jan 2024 to 11 Jan 2024
18. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated in 10 Hours National Faculty Development Program on “ChatGPT and Prompt Engineering “ organized by Bharati Vidyapeeth College of Engineering – Navi Mumbai, NRI Institute of Technology – Vijayawada and Sreenidhi Institute of Science & Technology – Hyderabad in Collaboration with ExcelR Edtech Pvt. Ltd/ Date : 18th Dec to 22nd Dec 2023.
19. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has actively participated one week Faculty Program on “ Next Generation Artificial Intelligence” organized by Department of Artificial Intelligence and Data Science , Department of CSE:Artificial Intelligence Machine Learning, Department of CSE: Data Science, Vishwakarma institute of Information Technology, Pune from 11 th March to 16 th March 2024.
20. Mrs. R.Sumathi, Assistant Professor, ECE, C Abdul Hakeem College of Engineering and Technology has participated in FDP on “**Fundamentals and Applications of EDGE Computing using JETSON ORIN NANO as EDGE DEVICE**” 21-25 July 2025.
21. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL)

Academy Faculty Development Program on Cutting Edge Advances in Artificial Intelligence and Data science at C.ABDUL HAKEEM COLLEGE OF ENGINEERING & TECHNOLOGY from 15/09/2025 to 20/09/2025.

22. Mrs. R SUMATHI, Assistant Professor of C.Abdul Hakeem College of Engineering and Technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Advanced Antenna Design for Next-Generation Wireless Communication Systems (5G/6G) with AI Perspectives at MAHAKAL INSTITUTE OF TECHNOLOGY, UJJAIN from 08/09/2025 to 13/09/2025.
23. This is to certify that R.SUMATHI , Faculty From C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY Has participated in a Ten Days Online Winter Faculty Development Program on “**Artificial Intelligence for Computer Vision and Medical Image Processing**” **jointly organized by Electronics & ICT Academies** held from 14th July – 24th July, 2025 through National Knowledge Network under the “Scheme of Financial assistance for setting up of Electronics & ICT Academies” by the Ministry of Electronics and information Technology (MeitY), Government of India. This Programme is endorsed by AICTE/UGC/NBA.
24. This is to certify that Mrs. R Sumathi, Assistant Professor, ECE, C Abdul Hakeem College Of Engineering And Technology has actively participated in the One Day Online Faculty Development Programme on “AI for Academics” organized by the Department of Computer Science (Shift II), Patrician College of Arts and Science, Chennai, on Saturday, 4th October 2025.