Name:DEVIBALAN K	
Designation:	ASSISTANT PROFESSOR
Qualification:	M.E.(Ph.D.)
Areaof Specialization:	COMMUNICATIONSYSTEMS

Experience: **(As on MARCH 2026)**	**Industrial Experience**	**Teaching Experience**
	-	14.9

No.ofworkshop/FDP attended:	No. of workshops attended	No. of FDP attended
	4	5

Publication:	**Journal**		**Conference**	
	International	National	International	National
	2	1	2	2

ProfessionalMembership:	1. ISTE – Life Member 2. IEEE-Member
Patents:	1. Reconfigurable Smart Antenna System for 5G Network Beamforming and Interference Mitigation, Appn.No.:202341157374 . 2. AI and IoT based Wireless Sensor Network for Crop Health Monitoring and Irrigation Management, Appn.No.:202341157375 3. Recterry –A Rectanna based Charging system App NO:202541096483 A
Staff Achievements:	Got 100 % in EC II Anna University Theory exam which is held on April /May 2018. Got 3 times 100% in the Subject "Internetworking Multimedia. Presented a Guest Lecture on the Faculty Development Program and Training on the topic of **Computer Networks** at Sri Sairam Institute of Technology, Chennai.

Publications:

International Journals:

1.G. Saravanan, Devibalan Published a paper titled "Ultrasonic Sensor Based Haptic Feedback Navigational System for Deaf - BlindPeople". International Journal of Recent technology and Engineering ISSN: 2277-3878, Volume-8 Issue-5.JAN 2020.

2. **Brindha Saminathan, K. Devibalan**, "**Radio over Fiber Based Spectrally Encoded OCDM to Support 5G & Beyond 5G Mobile Fronthaul Network Challenges**," *Research Square*, https://doi.org/10.21203/rs.3.rs-395780/v1, April 2021.

3. **Kirthiga M, Devibalan K, Ramyaa M and Prakriti B**, "**Improving Safety in Hazardous Underground Conditions using LoRaWAN and WUSN**," *2023 10th International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, India, 2023, pp. 1500–1503.

4. **K. Devibalan, S. Brindha, R. Sreeraman, M. E. Thrinam Vishwakumaar and J. Muralidharan**, "**Smart Ambulance System using IoT**," *2024 International Conference on Communication, Computing and Internet of Things (IC3IoT)*, Chennai, India, 2024, pp. 1–6, doi: **10.1109/IC3IoT60841.2024.10550283**.

5. **Devibalan K, Brindha S, Bharath C, Sathya Prasanna S, Selvakarthik K**, "**Enhancing Electric Vehicle Resilience with Adaptive Battery Systems**," *2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)*, Chennai, India, 2024, pp. 1–4, doi: **10.1109/ICPECTS62210.2024.10780374**.

6.**Sreeraman R, Thrinam Vishwakumaar M. E., Muralidharan J and Devibalan K**, "**Automatic Accident Detection System**," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1–5, doi: **10.1109/ICCEBS58601.2023.104492253**7.

7. **K. Devibalan, R. Kishore, X. J. Ashick and J. S. Kumar**, "**Smart Automated Cleaning Robot**," *2025 10th International Conference on Smart Structures and Systems (ICSSS)*, Chennai, India, 2025, pp. 1–5, doi: **10.1109/ICSSS66939.2025.11346123**

National Journals:

1. Senthil Kumar D, Prakash J, K. Devibalan published a paper titled **"Suicide Avoidance System Based On Ceiling Fan."** *Test Engineering and Management*, January–February 2020, ISSN: 0193-4120, pp. 4758–475?.

2. Akshaya R, K. Devibalan, Nivetha J, Vinothini R published a paper titled **"IoT Based Forest Fire Detection System."** *Ilkogretim Online – Elementary Education Online*, 2020, Vol. 19 (Issue 4), pp. 6820–6825. http://ilkogretim-online.org, doi: **10.17051/ilkonline.2020.04.765086**

National Conferences:

1. Devibalan K, "Color Image Enhancement of DCT coefficients by scaling", National conference Conducted by Prathyusha Institute Of Technology And Management, Thiruvallur,2011.

2. DevibalanK" Webcam Based Multimodal Biometrics for Person Authentication". National conferences conducted by KONGU ENGINEERING COLLEGE, Perundurai, Erode.

Faculty Development Training Programmes & Workshops

1. Attended a **One Day Workshop on "High Frequency Design for 5G using ADS"** organized
2. by the Department of ECE, **MIT Campus, Anna University**.
3. Attended a **Five Days FDP on "Recent Trends in 5G Communication Networks"** sponsored
4. by **IEEE Madras Section** during **26.12.2022 to 30.12.2022** at **Sri Sairam Engineering College, Chennai**.

5. Completed a **12 Weeks NPTEL–AICTE Sponsored FDP on "Introduction to Internet of Things"** during **July–October 2022**.
6. Attended a **Two Days FDP on "Short Term Training Programme on AUV and Smart Systems"** organized by the Department of ECE, **SSN College of Engineering** during **29.01.2021 to 30.01.2021**.
7. Attended a **Five Days Online FDP on "Internet of Things (IoT)"** sponsored by **ATAL Academy** during **21.12.2020 to 25.12.2020** at **Kongu Engineering College**.
8. Attended a **Five Days Online FDP on "Sustainability Engineering"** sponsored by **ATAL Academy** during **14.12.2020 to 18.12.2020** at **Vellore Institute of Technology (VIT)**.
9. Attended a **Five Days FDP on "Microwave and Antenna Applications in 5G"** sponsored by **IEEE Bangalore Section** during **08.12.2020 to 13.12.2020**.
10. Attended a **Five Days Online FDP on "Robotics"** sponsored by **ATAL Academy** during **03.11.2020 to 07.11.2020** at **Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**.
11. Attended a **Two Days FDP on "Creative Thinking"** conducted by **Annai Theresa Arts and Science College, Thirukazhukundram** during **27.03.2019 to 28.03.2019**.
12. Attended a **Two Days FDP on "Teaching Techniques"** conducted by **B. S. Abdur Rahman Crescent Institute of Science and Technology** during **11.02.2019 to 12.02.2019**.
13. Attended a **Two Days FDP on "Goal Setting"** conducted by **Sri Sairam Engineering College** during **20.12.2018 to 21.12.2018**.

Industrial Training

1. Attended **15 Days Faculty Industrial Training** at **GH Induction India Pvt. Ltd.**, DP.145–147 & 158–160, 12th Main Road, SIDCO Industrial Estate, **Thirumudivakkam, Chennai – 600132**, during the period **20.01.2022 to 05.02.2022**.

Online Certifications

➢ Successfully completed the course **"Introduction to Internet of Things"** conducted by **IIT Kharagpur** during **July–October 2022**.
➢ Successfully completed the course **"Analog Electronic Circuits"** conducted by **IIT Kharagpur** during **July–October 2022**.
➢ Successfully completed the course **"Design Thinking – A Primer"** conducted by **IIT Kharagpur** during **July–October 2023**.
➢ Successfully completed the course **"Introduction to Industry 4.0 and Industrial Internet of Things"** conducted by **IIT Kharagpur** during **July–October 2023**.