

FACULTY PROFILE

1. Personal Details.

Photo

Name : HARSHINI R
Designation : Assistant Professor
Date of Birth: : 17 April 1986
Father's Name : Ramachandrappa D N
Mother's Name : J Anuradha
Job Type: : Permanent

Employee ID : ECU33



2. Contact Information.

Postal Address : #1-A, Sanjeevini Nilaya, 1st E main Road, 9th cross, Kengeri upanagara, Bengaluru-60

Official E-mail ID : Dr Ambedkar Institute of Technology

Telephone No. :
Mobile No. : 9739059600

3. Educational Qualification.

Degree	Specialization	Board/ University	Year of Passing	Class Obtained
Ph.D.	Deep learning in Satellite image processing	REVA University		
M.Tech.	Digital Communication & Networking	VTU	2013	FCD
B.E.	Electronics & Communication Engg	VTU	2008	FC
Others	NIL			

4. Experience.

Teaching 13 yrs	:	Institution/Company	Designation	Duration
		1. Department of ECE, Dr.Ambedkar Institute of Technology,Bangalore.	Assistant Professor	present
		2. School of CSE, REVA University, Bangalore	Assistant Professor	October 2021 to January 2023
		3. ECE Dept., Vivekananda Institute of Technology, Bangalore.	Assistant Professor	August 2019 to 1 st October 2021
		4. Rajiv Gandhi Memorial Polytechnic, Bangalore	Lecturer	Jan 2019 to May 2019.
		5. East West Polytechnic, Bangalore	lecturer	Dec 2015 to Dec 2018
		6. Sri Revana Siddeshwara Institute of Technology	lecturer	25-08-2008 to 03-12-2010.
Industrial	:	NIL	-	-
Total Experience				13 yrs

5. Areas of Specialization.

- Area 1: Digital communication & Networking
- Area 2:
- Area 3

6. Courses Taught.

UG Courses: Introduction To Cybersecurity, Analog & Digital Electronics, Cryptography & Network Security, Satellite Communication, IOT & Wireless Sensors Networks, Power Electronics, Computer Communication and Networking, Constitution of India, Professional Ethics & Cyber Law, Digital Image Processing, Digital system Design, Wireless Communication, Engineering

Statistics & Linear Algebra, ARM Processors, Microwave & Antenna, Electronic Circuits, Basic Electronics, Digital Switching Systems, Digital Communication, C Programming, Electronic Circuits, VLSI.

PG Courses: NIL

Laboratory Courses: AEC lab, CCN lab, Introduction to C, Python, Microwave & Antenna lab, Digital Design lab, ARM microcontroller lab, HDL lab

7. Research Publications.

Sl. No.	International Journals
	- Real-Time IOT-Enabled Cloud System For Vehicle Monitoring And Maintenance Forecasting” has been published in International Journal of Engineering Development and Research, ISSN: 2321-9939 ©IJEDR 2025, December 2025, Volume 13, Issue 4. “Comprehensive Dam Control System using Deep Learning and IOT” has been published in International Journal of Innovative Research in Computer and Communication Engineering, © 2025 IJIRCCCE Volume 13, Issue 1, January 2025 DOI: 10.15680/IJIRCCCE.2025.1301034. “A deep learning semantic segmentation-based document classification method” has been published in International Journal of Computational Learning & Intelligence, an open-access artificial intelligence publication managed by MileStone Research Publications, Vol 2, issue No. 01, 2023.
	National Journals
	International Conferences
	“COVID-19 Severity Prediction with Machine Learning.” in 4th International Conference on Advances in Computing & Information Technology (IACIT-2022) on 17-18 May, 2022 Held at REVA University, Bangalore. “A Comprehensive Study on Deep Learning Techniques used for SAR and Optical Image Registration” has been presented and published in 2024 International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Application(ICA IQSA),2024,Page(s):1-6
	National Conferences
	“Development of low-cost intelligent public transport system” in Second National Conference on Recent Advances in Technology and Engineering (RATE-2013) held at T-John Institute of Technology, Bangalore on 27th & 28th March 2013.

	Book Chapters
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	Books Published
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8. Research Projects and its details.

Sl. No.	Title	Funding agency/ Industry	Duration	Amount	Sanctioned/ applied	If sanctioned, status?

9. Patents Applied/Granted: National. International, commercialized.

Academic Year	Patent Number & Date of filing	Title	National/International	Published Date	Grant Date
2021-22	08/07/2022	“COVID-19 Severity Prediction with Machine Learning.” Patent Journal Number 27/2022 , Journal IPO	-IPO	08/07/2022	
2021-22	10/10/2022	“Return path navigation.” Patent Journal Number 202241038254 , Journal IPO			

10. Sponsored Programs / Grants.

Sl. No.	Agency	Project Title	Amount	Duration
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11.FDPs, Workshops, STTPs, MOOCs Attended.

Sl. No.	Program	Organization	Duration	Year
1	High Performance Computing(HPC)”	C-DAC, MEIT	1 week	2023
2	Computer Networks and Internet protocol”	NPTEL	12 weeks	2026

12.FDPs, Workshops, STTPs, MOOCs Organized.

Sl. No.	Program	Role	Duration	Year
1	A seminar on “Advances in 5G Communication Technology	organizer	1day	2023

13.Membership of professional bodies/societies and its details.

Sl. No	Society/ Professional Body	Type of Membership Ex: LM/Y/HY...
	1. IEEE Graduate student member , Membership number:102456065, Bangalore Section 2. Member of IAENG (International Association of Engineers) , Membership number:324438	LM

	3. Member of IFERP , PROF-93500686, PROFESSIONAL MEMBER	
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14. Administrative Responsibilities.

Department Coordinator: Placement coordinator, IIC coordinator, First year Induction program coordinator

NBA/NAAC Coordinator: Criteria 6 member

Examination Duties: Internal examiner, CIE & SEE invigilator

Other Institutional Responsibilities: NIL

15. Awards and Recognitions.

- Secured **2nd Prize** for the Paper Presentation titled “Development of low cost intelligent public transport system” in Second National Conference on Recent Advances in Technology and Engineering (RATE-2013) held at T-John Institute of Technology, Bangalore on 27th & 28th March 2013.
- Achieved **“Excellence Award”** from East West Polytechnic during academic year 2017-18.
- Secured **“2nd place”** in Essay competition on “Encouraging Creativity and Innovation at VKIT Campus” held on 11th October 2019 organized by IIC-VKIT.
- Grabbed Scholarship from SJR PU College based on SSLC Marks in the year 2000.
- Achieved 100% results in subject Satellite Communication during Dec /Jan -2019 VTU exams in VKIT, Bangalore.
- **Achieved with the approval for funding from KSCST for 8th sem students, REVA University project group guided - May2022 & further selected for the State level Seminar/Exhibition. It was adjudged as the “Best Project of the Year” during the Seminar and Exhibition held at VTU, Belagavi on 12th and 13th August 2022.**

- Got Appreciation certificate as mentor for Project titled as “Real-Time IOT-Enabled Cloud System For Vehicle Monitoring And Maintenance Forecasting” in **TECHXPLORE-2025 project exhibition held at Dept. of Electronics and Communication engg, Dr Ambedkar Institute of Technology, Bengaluru.**

16.Invited Talks / Guest Lectures (As a Resource person).

1	Skill lab on IOT for first sem students	Resource person	3 days	2023
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17.Professional Development Activities.

- Reviewer for Journals:
- Editorial Board Membership:
- Session Chair:
- Technical Committee Membership:

18.Publications Profile Links.

Google Scholar:

https://scholar.google.com/citations?view_op=list_works&hl=id&user=GKy3xD0AAAAJ

Scopus Author ID:

ORCID ID: 0000-0002-4800-5738

Web of Science Researcher ID:

Vidwan Profile: <https://vidwan.inflibnet.ac.in/profile/312935>