

FACULTY PROFILE

1. Personal Details.

Photo

Name : Dr MANJULA N
Designation : ASSISTANT PROFESSOR
Date of Birth: : 14/07/1983
Father's Name : NARAYANAPPA M
Mother's Name : RATHAMMA
Job Type: : Regular
Employee ID : ECU17



2. Contact Information.

Postal Address : **SRI SAI KRUPA NILAYA
NEAR RTO OFFICE
BANGARPET MAIN ROAD
KOLAR 563101**

E-mail ID : **manjulan6@gmail.com**

Telephone No. :

Mobile No. : **6363946041**

3. Educational Qualification.

<i>Degree</i>	<i>Specialization</i>	<i>Board/ University</i>	<i>Year of Passing</i>	<i>Class Obtained</i>
PhD	VLSI	VTU	2025	
M.Tech/M.E	VLSI DESIGN AND EMBEDDED SYSTEM	VTU	2010	FIRST
B.E	ELECTRONICS AND COMMUNICATION ENGINEERING	VTU	2008	FIRST
PUC/Diploma	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	DTE	2002	SECOND
SSLC		KSEEB	1999	SECOND

4. Experience.

	<i>Institution/Company</i>	<i>Designation</i>	<i>Duration</i>
<i>Teaching</i> :	1. Sri Krishna Institute of Technology,	Assistant prof.	1.5
	2. Sapthagiri College of Engineering		5.0
	3. Dr. A.I.T., Bengaluru DOJ :23/1/2017		5.9
<i>Industrial</i> :			
Total Experience			12 .4 years

5. Areas of Specialization.

- VLSI Design and Embedded System
- Digital signal processing
- RTOS , OS

6. . Courses Taught.

UG Courses: DSP, RTOS, OS AEC , FUNDAMENTAL OF ELECTRONICS ENGG

PG Courses: Computer Architecture

Laboratory Courses: DSP, CCN, AEC

7. Research Papers Published.

<i>Sl. No.</i>	<i>International Journals</i>	
1	2017-18	“Road sign boards information system” IJRESM - International Journal of Research in Engineering, science and Management Vol. 1, Issue 05, 2018 ISSN (online):
2		“Review of Fault-Tolerant Routing Algorithms for Network-on-Chip System” IJSRD - International Journal for Scientific Research & Development Vol. 6, Issue 05, 2018 ISSN (online): 2321-0613
3	2018-19	“Design of vedic multiplier using Urdhva Tiryagbhyam sutra” IJARIIT - International Journal of advance research ideas and innovations in technology Vol. 5, Issue 03, 2019 ISSN (online): 2454-132X

4	2019-20	“Real Time Minimum Energy Tracking Techniques for Digital Load Circuit” International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019
5	2020-21	Sanitation work done by robots using Swarm intelligence International Journal of Research and Analytical Reviews August 2020
6	2021-22	“Design of low power multiplier” International research Journal of Engineering and Technology(IRJTE)
7	2023-24	“AN EFFICIENT FLOATING POINT ADDER FOR LOW-POWER DEVICES” , International Journal of Reconfigurable and Embedded Systems (IJRES) Vol. 13, No. 2, July 2024, pp. 253~261 ISSN: 2089- 4864, DOI: 10.11591/ijres.v13.i2.pp253-261.
8	2024-25	“APPROXIMATE SINGLE PRECISION FLOATING POINT ADDER FOR LOW POWER APPLICATIONS” , International Journal of Reconfigurable and Embedded Systems (IJRES) Vol. 13, No. 3, November 2024, pp. 650~664 ISSN: 2089-4864, DOI: 10.11591/ijres.v13.i3.pp650-664.
9	2025-26	Gesture Controlled Vocalizer using Flex Sensor Glove and Arduino” IJIRCCE Volume 13, Issue 12, December 2025 DOI:10.15680/IJIRCCE.2025.1312047
10	2025-26	Smart Energy Metering and Smart Water Billing Using IOT” International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 13 Issue XI Nov 2025.
	National Conference	
1	2018-19	“Design of vedic multiplier using Urdhva Tiryagbhyam sutra” NCRTEIEC 2019
2		“IOT based industry protection system “ NCRTEIEC 2019
		International Conference
1	2018-19	“Minimum energy measurement techniques and energy dissipation for digital load circuits” in HKBK ICIESTM-19
2	2020-21	A Smart antenna system for radar communication exploiting modified uniform circular array ICACCT-2021 Guru nanak dev engg college bidar karnataka

8. Research Projects and its details.

Sl. No.	Title	Agency/ Industry	Duration	Amount	Sanctioned/ applied	If sanctioned, status?
	nil					

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

Academic Year	Patent Number & Date of filing	Title	National/International	Published Date	Grant Date
NIL:					

10.Sponsored Programs / Grants.

Sl. No.	Agency	Project Title	Amount	Duration
NIL				

11. Technical activities attended.

Symposia/ Seminars/ Workshops					
Academic Year	Title	Symposia/ Seminars/ Workshops	Venue and Date	International/National/State/University Level	Attended/ Presented
2025-26	Advanced embedded systems: rtos and automotive can applications	Online	18/08/2025 to 23/08/2025 sri siddhartha institute of technology	National	Attended
2024-25	Unlocking Potential of AI in VLSI System Design and IC Packaging	Online	16/12/2024 to 21/12/2024 B V RAJU INSTITUTE OF TECHNOLOGY	National	Attended
	Reconfigurable Intelligent Surfaces for 6G Wireless Communication : Fundamentals to Future Research Directions	Online	National Institute of Technology, Tiruchirappalli 23/12/2024 to 28/12/2024.	National	Attended
	Advances in 3D MOSFET Architectures: Paving the Way for Next-	Online	MVJ COLLEGE OF ENGINEERING from 06/01/2025 to	National	Attended

	Generation Semiconductor Scaling		11/01/2025.		
	“Inculcating Universal Human Values in Technical Education”	OFFLINE	Manipal Institute of Technology, Bengaluru 11th January to 13th January 2024.	National	Attended
2023-24	Introduction to Cyber Security	Online	Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101. 22nd to 26th May 2023	National	Attended
	Introduction to Python Programming & its Application	Online	Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101. 19 th to 23 June 2023	National	Attended
	“Smart Materials & Systems” Studies,	Online	” from 29th May to 02nd June 2023 Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) -	National	Attended
2021-22	Formal Verification of Digital Designs	Online	2021-06-07 to 2021-06-11 at PES UNIVERSITY.	National	Attended
	Sustainability Engineering	Online	2021-1-11 to 2021-1-15 at IIT Jammu.	National	Attended

	"Internet of Things (IOT)"	Online	2021-7-12 to 2021-7-16 at	National	Attended
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	with Artificial Intelligence (AI)"		Chandigarh College of Engineering & Technology (CCET-Degree Wing), (Affiliated to Panjab University, Chandigarh)		
	"Research Issues in VLSI Design and Testing	Online	2021-08-02 to 2021-08-06 at Government College of Engineering Srirangam	National	Attended
2020-21	Advances in SAR-Polarimetry & Interferometry”	Online Course	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during 14-12-2020 to 18-12-2020	National	Attended
	Basics of Geocomputation and Geoweb Services	Online Course	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during 19-10-2020 to 29-10-2020	National	Attended
	RS & GIS Applications	Online Course	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during 02-11-2020 to 20-11-2020	National	Attended
	Geographical Information System	Online Course	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during 28-09-2020 to 15-10-2020	National	Attended
	Understanding of Coastal	Online Course	conducted by Indian	National	Attended

	ocean processes using Remote Sensing and Numerical Modelling		Institute of Remote Sensing (IIRS), ISRO, Dehradun during 21-09-2020 to 25-09-2020		
	Global Navigation Satellite System	Online Course	conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during 14-09-2020 to 25-09-2020	National	Attended
	Machine Learning Approaches for Image Analysis	Online Course	19-09-2020 Dr AIT	State/University	Attended
	Role of Front End Design in VLSI	Online Course	12/11/2020 Dr AIT	State/University	Attended
	Impact of COVID-19 Pandemic on Women	Online Course	14/08/2020 Dr AIT	State/University	Attended
	Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy	Online Course	24-08-20 to 29-08-20.Dr AIT	State/University	Attended
	Internet of Things (IoT)	Online Course	2020-10-5 to 2020-10-9 Rajkiya Engineering College Sonbhadra.	State/University	Attended
	Formal	Online	2021-06-07 to	State/University	Attended

	Verification of digital designs	Course	2021-06-11 PES University		
	Sustainability Engineering	Online Course	2021-1-11 to 2021-1-15 IIT Jammu	State/University	Attended
	Internet of Things (IoT) with Artificial Intelligence(AI)	Online Course	2021-7-12 to 2021-7-16 (CCET-Degree Wing) Panjab University, Chandigarh	State/University	Attended
	Research Issues in VLSI design and testing	Online Course	2021-8-2 to 2021-8-6 at government college of Engineering srirangam	State/University	Attended
	Xilinx FPGA Design Flow	Webinar	19-08-2020 Dr AIT	State/University	Attended
	RF Technology for energy harvesting, medical, and commercial applications	Online FDP	14-12-2020 to 18-12-2020 Sreyas institute of engineering and technology hyderabad	State/University	Attended
2019-20	Induction Program for engineering faculty	FDP	5days 28 th may-01 st june 2019 Dr AIT	State/University	Attended
	DSP applications design by using C6713 DSK	WORKSH OP	3 DAYS 20 th feb to 22 nd feb 2019 Dr AIT	State/University	Attended
	MECHATRONICS AND ARTIFICIAL INTELLIGENCE	FDP	TWO WEEKS 29 TH JULY TO 10 TH AUGUST 2019 BMSCE	State/University	Attended
2018-19	The social impact of convergence of cloud computing and IOT	SEMINAR	One day, 30th jan 2018 DR.AIT	State/University	Attended
	Administration fundamentals of salesforce cloud platform	FDP	One week Dr AIT 5 th - 9 th February 2018	State/University	Attended

	Emerging trends in project management	FDP	One week, Dr. AIT, 9 th - 13 th April, 2018	State/University	Attended
	Machine learning and its applications: hands on approach	Workshop	Five days, Dr. AIT, 23 rd July to 28 th July 2018	State/University	Attended
	Induction programme for faculty	FDP	Five days, Dr. AIT, 30 th July to 4 th Aug 2018	State/University	Attended
	Latest Trends in Robotics and Automation	WORKSHOP	2 Days 8 th and 9 th February 2018 Dr AIT	State/University	Attended
2017-18	Programming ARM processor with hands on using ESA KEIL ARM cortex M3 evaluation board	FDP	BMSIT & M Five day, 11 th - 15 th Dec 2017	State/University	Attended
	2. Intelligent algorithms and applications	FDP	Three days, Dr. AIT, 17 th	State/University	Attended

12. Technical activities organized/co-ordinated details.

Sl. No.	Title	Type of Activity Ex: Workshop/ seminar/ STTP/FDP...	Sponsored by	Duration	dates	venue	Audience Ex: Students/ Faculty
1	Opportunities in VLSI and Embedded Systems Design	Webinar	-----	1 day	29/04/2021	Dr AIT	Students
2	Smart India Hackathon (I) 2026	Project		1 day	10/10/2026	Dr AIT	Students

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

Sl. No	Society/ Professional Body	Type of Membership Ex: LM/Y/HY...
1	IEEE	LM
2	IFERP	PM

14.Administrative Responsibilities.

Department Coordinator: SSP, Feedback, IC& FA

NBA/NAAC Coordinator: Member of Criteria 6

Examination Duties: YES

Other Institutional Responsibilities: Member of core committee for IC & FA

15.Awards and Recognitions. Nil

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

17.Professional Development Activities. Nil

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

18.Publications Profile Links.

Google Scholar: [mjbCYc0AAAAJ&hl](https://scholar.google.com/citations?user=mjbCYc0AAAAJ&hl)

Scopus Author ID:

ORCID ID: 0000-0002-6574-9093

Web of Science Researcher ID:

Vidwan Profile: 156243