GEETHA RANI T O

Associate Professor, Dept. Of Electronics and Communication Engg.

Contact: 9844538088

Email: togeetha@sit.ac.in

Vidwan ID: **92911**

Scopus ID: 58674444500

OrcID: 0000-0001-5218-7581

Faculty ID: SITF0154

Education

	Degree	Year	Institute	Specialization
1	M.E	2002	UVCE, Bangalore	Electronics
2	B.E	1992	SIT, Tumkur	Electronics and Communication Engg

Professional Experience

	Date (from-to)	Designation	Organization
1	1-1-2011 To till date	Associate Professor	SIT, Tumkur
2	2008-2010	Assistant Professor	SIT, Tumkur
3	2005-2008	Selection grade Lecturer	SIT, Tumkur
4	2000-2005	Senior Lecturer	SIT, Tumkur
5	5-9-92 to 2000	Lecturer	SIT, Tumkur

(Please fill in reverse order. Current designation should be at the top)

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

1) Department BOE coordinator
2) Squad
3) Deputy Warden
4) Halcyon Coordinator
5) Spandana Coordinator
6) Alumni Coordinator
7) Sports Coordinator

Affiliations of Professional organizations

- **ISTE member**

Awards and Honors

- Gold medalist in M.E

Courses Taught

Undergraduate Courses

1	VLSI testing and verification	10	Integrated circuits and applications
2	Low power VLSI	11	Fields and waves
3	CMOS VLSI design	12	Solid state devices and Technology
4	Digital system design	13	OOPS
5	Embedded systems	14	Electronic circuits
6	Microwave engineering	15	Satellite Communication
7	Antennas and propagation	16	Basic electronics
8	Digital system design using VHDL	17	Communication Circuits
9	Foundations of electronics engg	18	Digital Electronic circuits

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion

Research Areas

Digital VLSI circuit design

Sponsored Projects

Ongoing Projects:
1. Title:
   Funding Agency:
   Amount:
   Duration:
   Role:
2. Title:
   Funding Agency:
   Amount:
   Duration:
   Role:

Completed Projects:
1. Title:
   Funding Agency:
   Amount:
   Duration:
   Role:

2. Title:
   Funding Agency:
   Amount:
   Duration:
   Role:

Publications

Journals
   NIL

Conference Proceedings
1) T O Geetharani , Bhoomika P , Chinmayee , Sinchana R Naik , Yashaswini A , "AI-Driven Security System with Automated Light Control for Energy Efficiency", 2025 3rd International Conference on Smart Systems for applications in Electrical Sciences (ICSSES) | 979-8-3315-0767-1/25/$31.00 ©2025 IEEE | DOI: 10.1109/ICSSES64899.2025.11009692
2) To Geetharani; Purushottama Lingadevaru , "Empowering the Disabled with Brain-Computer Interface", 2024 First International Conference on Software, Systems and Information Technology (SSITCON),
   DOI: 10.1109/SSITCON62437.2024.10796479
3) Rani T.O.G.;Goudar S.S.;Chethan M.;Harshitha M.;Shashank Raju K.;Sinchana K.R. , "Monitoring and control system for Green house using edge computing" ,

International Conference on Network, Multimedia and Information Technology(NMITCON-2023)

4) Geetharani, T.O., Ramya, H.G., Shreya, L.S., Sonu, S.Y, "Low-Power 8x8 S-RAM Memory Design: CADENCE-Based Simulation and Analysis" 3rd International Conference for Innovation in Technology (INOCON), DOI: 10.1109/INOCON60754.2024.10512325.

5) Rani T.O.G.;Chethan M.;Raj G.G.;Harshitha M.;Raju K.S. , "Swayam Rakshak: Smart-safety Device for Women", 8th International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-2023), Springer:ISBN 978-981-99-7621-8

6) Apeksha, T.S., Khushi Prasad, C.G., Geetharani, T.O. , "Smart Iot Based Library Management", 2024 International Conference On Smart Systems for applications in Electrical Sciences (ICSSES) | 979-8-3503-6404-0/24/$31.00 ©2024 IEEE | DOI: 10.1109/ICSSES62373.2024.10561313

Book Chapters
NIL
Books
NIL
Editorial
NIL

Reviewer of Journals
NIL

(Please give details in IEEE format)

Editor/ Reviewer of Journal

NIL

Patents

NIL

Invited Lectures, talks and workshops

NIL