

G. Shubha

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Education

	Degree	Year	Institute	Specialization
1	M.S	1997	BITS, Pilani, Rajasthan	Electronics & Control
2	B.E	1990	SJCE, Mysore	Electronics & Communication

Professional Experience

	Date (from-to)	Designation	Organization
1	2011 till date	Associate Professor	SIT, Tumakuru
2	2005 - 2011	Assistant Professor	SIT, Tumakuru
3	2000 - 2005	Senior Lecturer	SIT, Tumakuru
4	1990 - 2000	Lecturer	SIT, Tumakuru

Positions held

- Squad member
- Institute skill co-ordinator
- Lab-in charge (CNRR Lab)
- Strategic plan co-ordinator (1.01 to 1.13)
- BOS co-ordinator and member
- ISO co-ordinator
- NAAC and NBA co-ordinator (criteria 7)
- Sports committee member
- ICHO Newsletter Advisor
- Mini Project co-ordinator
- Workshop (FDP) co-ordinator
- Technisium event co-ordinator
- Halcyon event co-ordinator
- Time-table co-ordinator

- Test co-ordinator
- Co-ordinator in valuation centre (VTU)

Affiliations of Professional organizations

- Fellow, Institution of Engineers

Awards and Honors

NIL

Courses Taught

Undergraduate Courses

- Basic Electronics
- Analog Devices & Circuits
- Solid State Devices & Technology
- Analog Communication
- Communication Channels & Microwave Engg
- Transmission Lines & Waveguides
- Wireless Communication
- Information Theory & Coding
- Microwave Engineering
- Data Communication & Networking
- Project Management
- Introduction to Electronics
- Cryptography & Network Security
- IoT & Network Technology
- Antenna and Wireless Communication
- Optical Fiber Communication

Postgraduate Courses **NIL**

Research Guidance

NIL

Sl. no	Name of the Scholar	Title	Year of completion

Research Areas

NIL

Sponsored Projects

Ongoing Projects:

1. Title: **NIL**

Funding Agency:

Amount:

Duration:

Role:

2. Title: **NIL**

Funding Agency:

Amount:

Duration:

Role:

Completed Projects:

1. Title: **NIL**

Funding Agency:

Amount:

Duration:

Role:

2. Title: **NIL**

Funding Agency:

Amount:

Duration:

Role:

Publications

Journals

- Sheela S. J., Sanjay, A., Suresh, K.V., Tandur, D., Shubha, G. "Image encryption based on 5D hyperchaotic system using hybrid random matrix transform", Multidimensional Systems and Signal Processing, 33(2), pp.579-595, 2022.

Conference Proceedings

- Arun Sagar, S.A., Prathima, H.S., Preethu,J., Thejaswini, V., Shubha, G. “Cyclo-stationary Spectrum Sensing Using GNU Radio”, 2nd Global Conference for Advancement in Technology, GCAT 2021.
- Shubha, G., Dalal, V., Rohan, T.S., Ranjitha, C E. “Smart dust-bin model for Waste Management”, Proceedings of NKCON 2023, 2nd IEEE North Karnataka Subsection Flagship International Conference, 2023.
- Shubha, G., Suma, G R., Dalal, V. “Plant Mediated Biological Synthesis of ZnO Nanoparticles using Albizia Richardiana Seed Extract for Sensing Application”, Proceedings of the 4th IEEE International Conference on Smart Technologies in Computing Electrical and Electronics ICSTCEE 2023.
- Sonu, S. Y., Shubha, G., Chethana, R., Kumar, P.V., “Exploring 5G’s Impact on UE-BS Communication Dynamics via 5G Toolkit Simulation”, 2nd IEEE International Conference on Networks Multimedia and Information Technology, NMITCON 2024.
- Harshavardhana, G.E., Maruthi, S., Sudeep., Yashavanthakumara, H.O., G. Shubha. “IOT Based Smart Cradle System, International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2025.

Book Chapters NIL

Books NIL

Editorial NIL

Reviewer of Journals NIL

Patents

- **Title:** A novel apparatus, method and system for grading the health condition of a subject.
Inventors: Dr. S. J. Sheela, Dr. K. V. Suresh, Dr. T. L. Purushottama, G. Shubha and Cyphertek Solutions team.
Patent Application Number: 202441053214
Published on: 25.10.2024

Invited Lectures, talks and workshops

NIL