

Sateesh Kumar T R

Assistant Professor, Department of Electronics & Communication Engg, SIT

Contact: 9448416560

Email: sateesh_tr@sit.ac.in

Vidwan ID: 90935

Scopus ID: 57188851160

OrcID: 0000-0003-1819-3675

Faculty ID: SIT0125

Education

	Degree	Year	Institute	Specialization
1	BE	1993	SIT, Tumkur	Electronics
2	M.Tech	1996	SJCE, Mysore	Industrial Electronics

Professional Experience

	Date (from-to)	Designation	Organization
1	01-01-2011 to Till date	Assistant Professor	SIT, Tumkur
2	08-10-2007 to 31-12-2010	Sr. Lecturer	SIT, Tumkur
3	08-10-2001 to 07-10-2007	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)

- Internal Member of Institution Innovation Council (IIC), SIT(IIC)
- Department Internship-III coordinator

Affiliations of Professional organizations

- MISTE

Awards and Honors

1. Guided major project - "Smart Farmer Assistant" – KSCST Sponsored Project
 - Won first prize in "SRISHTI 2012" a state level project exhibition & competition.
 - Won one of the outstanding projects of the year 2012 in the KSCST project seminar & exhibition held at SDM Institute of Technology, Ujire.
2. Guided major project – "A real time solution for employee security in corporate cabs"
 - Won The TCS Best project award of the year 2014
 - Won Best Technical project award from Government of Karnataka SPFU Bangalore

Courses Taught

Undergraduate Courses

- Analog Electronic Circuits
- Analog Communication
- Digital Communication
- Signals and Systems
- Basic Electronics
- Power Electronics
- Linear Integrated Circuits
- Control Systems
- Network Analysis
- Transmission Lines and Waveguides
- Information Theory and Coding
- RDBMS
- Innovation & Design Thinking
- Communication Systems-I

Postgraduate Courses

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Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion

Research Areas

- Microelectronics

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

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Conference Proceedings

- TR Sateesh Kumar, MN Maruthi, K Sagar, SS Tarun, KG Kalyan, "Solar Powered Smart Bush Cutter Using Image Processing Technology," *2025 3rd International Conference on Smart Systems for applications in Electrical Sciences (ICSSES)*, Tumakuru, India, 2025, pp. 1-8, doi: 10.1109/ICSSES64899.2025.11009329.
- SJ Sheela, TR Sateesh Kumar, SY Sonu, "Quick multimedia data transfer with QUIC," *2023 International Conference on Network, Multimedia and Information Technology (NMITCON)*, Bengaluru, India, 2023, pp. 1-7, doi: 10.1109/NMITCON58196.2023.10276369.
- Sateesh Kumar TR, TL Purushottama, "ECG Authentication Reinforced by Pretrained Convolutional Neural Networks," *2023 International Conference on Network, Multimedia and Information Technology (NMITCON)*, Bengaluru, India, 2023, pp. 1-6, doi: 10.1109/NMITCON58196.2023.10275834.
- Sateesh Kumar TR, Puneeth Kumar Tharehalli Rajanna, PN Deepika, SS Soniya, HM Yashaswini, KV Bhavyashree, "Design and Simulation of Low Noise Amplifier for Sub-6GHz 5G Application," *2023 International Conference on Smart Systems for applications in Electrical Sciences (ICSSES)*, Tumakuru, India, 2023, pp. 1-5, doi: 10.1109/ICSSES58299.2023.10199901.
- Shridhar Savadatti, D Madhukar, Abhisheksingh P Rahutanavar, Sohan Jumanal, TR Sateesh Kumar, "Smart Hand Rehabilitation Tool for Hypertonia Patients," *2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)(48184)*, Tirunelveli, India, 2020, pp. 1000-1004, doi: 10.1109/ICOEI48184.2020.9142962.

- S Kushal Gowda, KR Prathima, L Yashaswini, MD Rakesh, TR Sateesh Kumar, " 2019 *International Conference on Communication and Electronics Systems (ICCES)*, Coimbatore, India, 2019, pp. 527-532, doi: 10.1109/ICCES45898.2019.9002228.
- Ankit Bansal, Divyanshu Sahay, Gaurav Yadav, TR Sateesh Kumar, "A solution for employee security in corporate cabs," *2015 IEEE 3rd International Conference on MOOCs, Innovation and Technology in Education (MITE)*, Amritsar, India, 2015, pp. 233-238, doi: 10.1109/MITE.2015.7375321.

Book Chapters

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Books

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Editorial

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Reviewer of Journals

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(Please give details in IEEE format)

Editor/ Reviewer of Journal

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Patents

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Invited Lectures, talks and workshops

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