S Raveesh

Affiliation (Assistant Professor, Dept of ECE, SIT)
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Vidwan ID: 92893
Scopus ID: 57218499023
OrcID: 0000-0003-4940-9088
Faculty ID: SIT0214

Education

	Degree	Year	Institute	Specialization
1	Ph.D.	2022	Indian Institute of Technology, Guwahati.	Micro and Nanoelectronics
2	M.Tech.	2010	Visvesvaraya Technological University, Belagum,	VLSI Design and Embedded System
3	B.E.	2007	Visvesvaraya Technological University, Belagum,	Electronics and Communication Engineering

Professional Experience

	Date (from-to)	Designation	Organization
1	01-01-2011- till date	Assistant Professor	Siddaganga Institute of Technology, Tumakuru.
2	03/08/2009-31/12/2025	Lecturer	Siddaganga Institute of Technology, Tumakuru.
3			

(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)

Affiliations of Professional organizations

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Awards and Honors

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Courses Taught

Undergraduate Courses

- Digital system design with VHDL
- Low power VLSI design
- Embedded system design
- Digital system design using Verilog
- Solid state devices and technology
- ASIC
- RTOS
- Analog and mixed mode VLSI design
- CMOS VLSI design
- Control systems
- Innovation and Design Thinking
- Management and Entrepreneurship

Postgraduate Courses

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Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion

Research Areas

- Micro and Nanoelectronics
- VLSI Design

Sponsored Projects

Ongoing Projects:

1. Title: DST- FIST

Funding Agency: DST, New Delhi
Amount: 136 Lakhs
Duration: 3 years
Role: Co-PI

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

- S. Raveesh, V. K. S. Yadav and R. Paily, "CuO Single-Nanowire-Based White-Light Photodetector," IEEE Electron Device Letters, vol. 42, no. 7, pp. 1021-1024, July 2021, doi: 10.1109/LED.2021.3081627.
- A. Bhakat, A. Pal, R. Siddaramaiah, and A. Chattopadhyay, “Complexation-based super crystalline assembly of zinc oxide quantum dots for sensitive carbon dioxide gas sensing,” The Journal of Physical Chemistry C, vol. 125, no. 22, pp. 12 316–12 323, 2021. doi: 10.1021/acs.jpcc.1c02104
- V. K. S. Yadav, T. T. Daniel, S. Raveesh and R. Paily, "Room Temperature Air Pollutants Sensors Using Printed ZnO Single-Nanowire Schottky Diodes," IEEE Transactions on Nanotechnology, vol. 20, pp. 338-345, 2021, doi: 10.1109/TNANO.2021.3071320.
- T. T. Daniel, S. Raveesh, K. Saikia and R. P. Paily, "Magneto-Semiconductor Resistor for Hydrogen Detection," IEEE Sensors Journal, vol. 21, no. 7, pp. 9038-9045, 1 April1, 2021, doi: 10.1109/JSEN.2021.3056527.
- 5. V. K. S. Yadav, S. Raveesh, T. T. Daniel and R. Paily, "Microcantilever Printed Back-to-Back ZnO Single-Nanowire Schottky Diodes," IEEE Transactions on Electron Devices, vol. 67, no. 8, pp. 3309-3314, Aug. 2020, doi: 10.1109/TED.2020.3002733.

- T. T. Daniel, K. Saikia, S. Raveesh, and R. P. Paily, " Hydrogen Sensing of Heterostructured Magnetic Nanospheres with Different Fe to Zn Molar Ratio," in IEEE Transactions on Nanotechnology, 2021, doi: 10.1109/TNANO.2021.3108797.

Conference Proceedings

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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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