

Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering at DSATM is actively engaged in cutting-edge interdisciplinary research, integrating core electronics principles with emerging technologies. The research culture emphasizes innovation, connectivity, and societal impact, aligning with national and global technological priorities.

Faculty members are involved in diverse domains such as:

- **VLSI Design and Embedded Systems**
- **Wireless Communication and IoT**
- **Signal Processing and Machine Learning**
- **Antenna Design and RF Engineering**

The department encourages student participation, collaborative research, and translational outcomes, fostering a strong academic ecosystem.

Research Supervisors



Dr. Mallikarjun P Y

Number of PhD awarded= Nil

Number of candidates registered for PhD = Nil

**Research Focus Area: Low Power VLSI,
Embedded Systems, Communication Engg,
Blockchain technology and Data Science**



Dr. SUMAIYA. M N

Number of PhD awarded= Nil

Number of candidates registered for PhD = 01

**Research Focus Area: SAR Image Processing,
Remote Sensing**



Dr. SIDDALINGAPPAGOUDA BIRADAR

Number of PhD awarded = Nil

**Number of candidates registered for PhD
= 03**

**Research Focus Area: Wireless
Communication**



Dr. ROOPA R KULKARNI

Number of PhD awarded= nil

Number of candidates registered for PhD = 01

**Research Focus Area: Low Power VLSI,
Embedded Systems, IoT, VLSI Signal
processing, Microcontroller and Processors.**



Dr. MANDAR JATKAR

Number of PhD awarded= Nil

Number of candidates registered for PhD = Nil

**Research Focus Area: Modelling of
Nanoelectronics, VLSI, ML in VLSI**



Dr. R.V.MANJUNATH

Number of PhD awarded= Nil

**Number of candidates registered for PhD =
Nil**

**Research Focus Area: digital Image
Processing, Deep Learning, Medical Imaging,
Segmentation**



Dr. TRIPTI KULKARNI

Number of PhD awarded= nil

Number of candidates registered for PhD = nil

**Research Focus Area: Biomedical Signal
Processing, Deep learning, VLSI**



Dr. VASUDEVA G

Number of PhD awarded=nil

Number of candidates registered for PhD = nil

**Research Focus Area: Low Power VLSI, FiN FET,
ADC Designing**



Dr. RAVI KUMAR H C

Number of PhD awarded= nil

Number of candidates registered for PhD = nil

Research Focus Area: Image and video Processing