

## Department of Computer Science and Engineering

The Department of Computer Science and Engineering at DSATM fosters a vibrant research culture focused on innovation, interdisciplinary collaboration and the development of intelligent computing solutions. The department actively pursues research that addresses real-world challenges while contributing to advancements in emerging technologies. Faculty members are engaged in both fundamental and applied research, emphasizing sustainability, digital transformation, and societal impact in alignment with national and global research priorities. The areas of research are:

- Computer Vision & Pattern Analysis: Computer Vision, Image Processing, Pattern Recognition, Biometrics and Crypto biometrics.
- Networking & Distributed Systems: Cloud Computing, Wireless Networks, Ad Hoc Wireless Networks, Distributed Computing.
- Emerging Computing Technologies: Internet of Things (IoT), Cybersecurity, Natural Language Processing, High-Performance Computing.
- Artificial Intelligence & Data Analytics: Artificial Intelligence, Machine Learning, Deep Learning, Big Data Analytics, Data Science.

## Research Supervisors



**Dr. M. Ravishankar**

Number of PhD awarded= 8

Number of candidates registered for PhD = 1

**Focused Research Areas:**

- Speech Processing
- Digital Image Processing & Computer Vision
- VLSI in Image Processing.



**Dr. C Nandini**

Number of PhD awarded= 5

Number of candidates registered for PhD = 2

**Focused Research Areas:**

- Computer Vision
- Machine Learning
- Image Processing
- Pattern Recognition
- Crypto Biometrics



**Dr. Sumithra Devi K A**

Number of PhD awarded= 3

Number of candidates registered for PhD =  
Nil

**Focused Research Areas:**

- Image Processing



**Dr. R Saravanakumar**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 06

**Focused Research Areas:**

- Big Data
- Deep Learning



**Dr. M Vinoth Kumar**

Number of PhD awarded=1

Number of candidates  
registered for PhD = 0

**Focused Research Areas:**

- AI
- Machine Learning
- Data mining.



**Dr. Sandhya N**

Number of PhD awarded= Nil

Number of candidates registered for  
PhD = 06

**Focused Research Areas:**

- Digital Image Processing
- Machine Learning
- Artificial Intelligence



**Dr. G. Manjula**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 02

**Focused Research Areas:**

- Software Architectural Patterns
- Pattern Recognition
- Software Engineering



**Dr. Thirukrishna**

Number of PhD awarded=Nil

Number of candidates registered for PhD = 2

**Focused Research Areas:**

- Data Science
- Cyber Security
- Networks



**Dr. Nagaraj M Lutimath**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 05

**Focused Research Areas:**

- Wireless Networks
- Cloud Computing
- Machine Learning
- Big Data



**Dr. Madhumala R. Bagalatti**

Number of PhD awarded= nil

Number of candidates registered for PhD = 5

**Focused Research Areas:**

- Cloud computing
- Data Mining



**Dr. Shalini S**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 03

**Focused Research Areas:**

- Adhoc wireless networks
- BigData Analytics
- Machine learning



**Dr. Shivaprasad Ashok Chikop**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 01

**Focused Research Areas:**

- Image Processing



**Dr. Shivanna K**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 03

**Focused Research Areas:**

- Cloud Data Security
- Blockchain Technology
- Artificial Intelligence



**Dr. Gerard Deepak**

Number of PhD awarded=Nil

Number of candidates registered for PhD = 2

**Focused Research Areas:**

- Semantic Web
- Web Mining
- Next Generation Web
- Ontology Modeling
- eXplainable AI



**Dr. Shiva Sumanth Reddy**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 01

**Focused Research Areas:**

- Image Processing
- Machine Learning



**Dr. Manjunath S S**

Number of PhD awarded=6

Number of candidates registered for PhD = 1

**Focused Research Areas:**

- Image Processing



**Dr. Kavitha C**

Number of PhD awarded= 5

Number of candidates registered for PhD = 0

**Focused Research Areas:**

- Wireless Sensor Networks
- AI & Deep Learning



**Dr. Priya Nandihal**

Number of PhD awarded= Nil

Number of candidates registered for PhD = 3

**Focused Research Areas:**

- Digital Image Processing
- AI & Machine Learning
- Cyber Security