



Dr. Mahantesh K

Designation: Associate Professor

Qualification:

- Ph.D. Computer Science & Engineering, Visvesvaraya Technological University.
- M. Tech, SJCE, Visvesvaraya Technological University.
- BE, BIET, Davangere, Visvesvaraya Technological University.

Experience:

- Associate Professor, Dept. of CSE (Data Science), RNS Institute of Technology, Bengaluru (Sep 2024 – Till date)
- Associate Professor, Dept. of ECE, SJB Institute of Technology, Bengaluru (July 2007 – August 2024).

Courses Taught:

Pattern Classification, Computer Vision, Computer Communication Networks, Multimedia Communications, Artificial Neural Networks, Python Application Programming, Linear Algebra, Digital Image Processing, Programming in Java, Machine Learning using Python.

Areas of Research:

Brain-Machine Interfaces, Image/Video/Signal Processing, Artificial Intelligence & Machine Learning, Computer Vision & Pattern Recognition.

Certifications and Achievements:

- Received funds from Vision Group on Science and Technology, Principal Investigator of project entitled - "Brain Computer Interface and Computational Neuroscience Lab", K-FIST L1, VRN/001815/20-21, 15 lakhs.
- Received financial assistance for student project proposals under KSCST & VTU.
- Supervised & Awarded 4 Ph.D.'s under Visvesvaraya Technological University.
- Awarded 73% Elite Score in NPTEL course "Digital Image Processing".
- Awarded 88% score in NPTEL course "Python towards Data Science".
- 1st Runner-up -National level Rapid Prototyping Camp (RPC - 2024), organised by Edulateral Higher Educational Challenge.
- Recognized resource person - various state and central government sponsored STTPs, workshops & FDP's.
- Best paper award, International Conference on Distributed Computing and Optimization Techniques (ICDCOT), IEEE.
- Best Project of the Year award, Seminar and Exhibition held at VTU Belagavi, DST (GoI) and KSCST (IISC - Bangalore).
- Best Project - 3rd prize award, JVTM 2023 National level Project Exhibition held at ACU.
- Outstanding Reviewer Award, International Conference on Artificial Intelligence and Data Engineering, Springer, NMAMIT, Nitte.
- Patents published:
 - Visual Stimuli Classification using EEG Signals for Efficient Human Computer Interaction, Patent No. 202441054059 A, 02 Aug 2024.
 - An AI Enabled Prosthetic Arm for Rehabilitation and Advanced Arm Dynamics, Patent No. 202241045887, CBR No. 31995, 11th Aug - 2022.
 - Control Devices using Brain Machine Interface, Patent No. 202141036353, Aug – 2021.

Key Publications:

- Google scholar: <https://scholar.google.co.in/citations?user=OSWU-iwAAAAJ&hl=en>
- Orcid: <https://orcid.org/0000-0003-1257-053X>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56491220500>
- Web of Science: <https://www.webofscience.com/wos/author/record/O-9299-2019>