Prof. MADHAVI SURAJ BHOSALE

Assistant Professor, Department of IT

OVERVIEW:

Qualifications: M.E. (E&TC), BE (E&TC)
Experience: Teaching -9.5 years Industry – 3 years
Date of Joining STES: 16/06/2022
Skills and Proficiencies: VLSI & Embedded System, Digital Communication, MATLAB, C & C++.

SIGNIFICANT ACHIEVEMENTS:

- Organized National Level FDP on Cloud Infrastructure. This FDP was recorded in India Book of Record.

AREA OF EXPERTISE /RESEARCH INTERESTS:

- VLSI & Embedded System.

NUMBER OF STUDENTS GUIDED:

- UG – 7 Groups

RESEARCH PULICATIONS:

Publication Summary:

- International Journal: 10
- Conference: 02
- Citation: 01
- h-index   :   01
- i10 index   :   00
- https://scholar.google.com/citations?hl=en&user=KqyRkwoAAAAJhttps://scholar.google.com/citations?hl=en&user=KqyRkwoAAAAJ

RESEARCH WORK:

Phd Research Work:

- The main objective is to check efficiency of modulator for different noise channel.

NOTABLE GUIDED PROJECTS:

UG Projects:
- Customer Tailoring Order Management System. AY 2022-23 batch UG)
- Lung Cancer Detection using CNN (AY 2023-24 UG).
- Plant Leaf Disease Detection using CNN (Ongoing AY 2023-24 UG).
- Fake Product detection using Block chain (AY 2023-24 batch UG)
- A COMPREHENSIVE SENTIMENT ANALYSIS SYSTEM FOR YOUTUBE COMMENTS.(AY 2023-24 UG)
- Tree Health Monitoring System (Ongoing AY 2023-24 UG).
- Real time WEB Application for Enhancing Student Involvement in Sports Integrated with ML. (Ongoing AY 2024-25 UG).

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

- Resource Person for Digital Communication Virtual Laboratory (IIT Mumbai) Workshop.

SUBJECTS TAUGHT:

- Computer Networks
- Digital Electronics
- Power Electronics
- Computer Organization
- Digital Communication
- Entrepreneurship Development
- Soft Skills
- Logic Design & Computer Organization.
- Wireless communication.
- Processor Architecture.

FDP/STTP/SDP/WORKSHOPS ORGANIZED AS A COORDINATOR:

- Organized National Level FDP on cloud Computing, Sinhgad College of Engineering, Pune, 8-12 January 2023.
- Organized FDP on "Cloud Infrastructure", August 21 to 25, 2023. Venue: Sinhgad College of Engineering.
- Organised STTP On Java Full Stack Web Development. December 2 to22, 2024. Venue: SCOE, Pune.

CONFERENCES ATTENDED:

- International conference on Advances in Business, Management, Engineering, Technology and Social Sciences, at CCAC Pune, India, Jan 2013.
- National Conference on National Symposium on Preservative computing. at SCOE, Pune, March 2013.

FDP/STTP/SDP ATTENDED:

- FDP -23
- STTP-05
- SDP – 02

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Institute Level (SCOE)

- Working as a Dead Stock Verification Coordinator of the Institute since June 2022.
- Worked in a Hospitality committee of SE & FE Induction for AY2023-24 & 24-25. `
- Worked in a Discipline Committee of Spring Fest.
- Worked in a Registrations Committee of Techtonic

Department Level (E&TC)

- Lab In charge for Microprocessor Laboratory, Teacher Guardian, Class Teacher
- NBA Criterion 2 Coordinator.
- NAAC Criterion 2 Coordinator
- Departmental Purchase Committee Coordinator
- Departmental Timetable Coordinator
- Departmental INSEM Exam Coordinator
- Departmental PR-OR Exam Coordinator
- Departmental SE Induction Committee Coordinator
- Departmental Dead Stock Verification Coordinator
- Project Guide for BE students
- Departmental Techtonic Event Coordinator (Event –WEB Fest)

DECLARATION:

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date: /   / 2024   Signature