



Dr. MAHESH P. WANKHADE
Professor, Department of Computer Engineering

 mpwankhade.scoe@sinhgad.edu

OVERVIEW:

Qualifications: Ph D (Computer Sci & Engg), M Tech (Information Technology), BE (CSE)

Experience: Teaching- 29 Yrs., Industry- 02 Yrs

Date of Joining STES: 20/09/2001

Skills and Proficiencies: SQL, Power BI, HCI, Project Development

Memberships of Professional Societies: LMISTE, International Association of Engineers

SIGNIFICANT ACHIEVEMENTS:

- Received a research grant of Rs. 5,10,000/- under RPS from AICTE.
- Certificate of Appreciation by Trans Globe for consistent contribution to the field of Education.

AREA OF EXPERTISE /RESEARCH INTERESTS:

- Database Systems, Sensor Networks, Internet of Things

NUMBER OF STUDENTS GUIDED:

- M.E. - 15
- B.E. 30 Groups

RESEARCH PUBLICATIONS:

Publication Summary:

Scopus / SCI - 7

International Journals - 9

Conference - 3

H index - 5

i10 Index - 5

<https://scholar.google.co.in/citations?user=m0TDW0EAAA&hl=en>

FUNDED RESEARCH PROJECTS:

- Principal Investigator, Received research grant of Rs. 510000/- under RPS, AICTE New Delhi for the project titled “Path Finder: RFID based guide system for blind navigation” for Year 2011-13. (File No: 8023/RFID/RPS-132(Pvt)/2011-12)
- Co-Investigator, Received research grant of Rs. 100000/- under BCUD, University of Pune for the project titled “Tracking of 2 Persons for Video Surveillance of Unattended Environment” for Year 2011-13. (Letter No: BCUD/OSD/390 dated 27-10-2010)

- Principal Investigator, Received research grant of Rs. 100000/- under BCUD, University of Pune for the project titled “Financial Document Online Transfer Security” for Year 2009-10. (Letter No: BCUD/OSD/184 dated 11-05-2009)

RESEARCH WORK:

- Developed a Visually impaired assistive system that focuses on independent mobility of visually impaired or blind people who suffer in an unknown environment without any manual assistance.
- This system employs Radio Frequency Identification (RFID) to achieve the objective of identifying certain paths for user navigation as well as provide certain features such as object recognition, log records of all users’ tag access, emergency button, and user track information.

NOTABLE GUIDED PROJECTS:

1. Human tracking in video surveillance
2. Malware detection with different voting schemes

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

Delivered an expert session on “Internet of Things & Embedded Systems” in Syllabus implementation workshop of TE Computer 2019 Pattern at K.K. Wagh COE.

SUBJECTS TAUGHT:

Internet of Things

Advanced Databases

Microprocessor Techniques

Computer Organization

Cloud Computing

FDP/STTP/SDP/WO RKSHOPS ORGANIZED AS A COORDINATOR:

- Convener: “Faculty Development Program on System Programming & Operating System – TE. Comp 2019 Pattern, Syllabus Implementation” organized by Dept. of Computer Engineering, Sinhgad College of Engineering, Pune in association with BoS, Computer Engineering, SPPU Pune, during 5-7, Aug 2021.
- Convener: Faculty Development Program on “R – Programming” organized by Dept. of Computer Engineering, Sinhgad College of Engineering, Pune in association with Spoken Tutorial Project, IIT Bombay during 27th – 31th July 2021.
- Convener: Faculty Development Program on “R - Language for analytics and Data Science” organized by Dept. of Computer Engineering, Sinhgad College of Engineering, Pune in association with Spoken Tutorial Project, IIT Bombay during 27th April – 2 nd May 2020.
- Co-Convener: “International Conference on Pervasive Computing -2020” organized by Sinhgad College of Engineering, Pune in association with SPPU Pune Feb 2020
- Secretary: “International Conference on Sustainable Development” organized by Sinhgad College of Engineering, Pune in association with SPPU Pune Feb 2019.

- Co-Convener: “International Conference on Ubiquitous Computing” organized by Dept. of Computer Engineering & IT, Sinhgad College of Engineering, Pune in association with Institute for Engineering Research and Publication July 2017.
- Convener: “National Conference on Recent Trends and advances in Computing, Communication and Security” organized by Dept. of Computer Engineering & IT, Sinhgad College of Engineering, Pune in association with SPPU Pune Feb 2017
- Convener: “Short Term Training Program on “Data Mining” organized by Dept. of Computer Engineering, Sinhgad College of Engineering, Pune in association with IEEE and ISTE during 29th May – 9 th June 2017.
- Track- Coordinator “National Conference on “Recent Trends in Computer Engineering 2009” organized by Dept. of Computer Engineering, Sinhgad College of Engineering, Pune 29th - 31th Dec 2009
- Track- Coordinator “National Conference on “Recent Trends in Computer Engineering 2009” organized by Dept. of Computer Engineering, Sinhgad College of Engineering, Pune 18th – 20th Feb 2008.

CONFERENCES ATTENDED:

- Attended “International Conference on Pervasive Computing -2020” organized by Sinhgad College of Engineering, Pune in association with SPPU Pune Feb 2020.
- Attended “International Conference on Sustainable Development” organized by Sinhgad College of Engineering, Pune in association with SPPU Pune Feb 2019.
- Attended “International Conference on Ubiquitous Computing” organized by Dept. of Computer Engineering & IT, Sinhgad College of Engineering, Pune in association with Institute for Engineering Research and Publication July 2017.
- Attended National Conference on Speech, Image & Video Processing 2008, SSGMCE Shegaon Attended National Conference on ADvances in ELeCtronic COommunications, National Engineering College, Konilpatti, Tamilnadu, 2005.

FDP/STTP/SDP/ATTENDED:

- Attended more than 27 AICTE, ISTE approved, 2 week/ 1 week Faculty development programs, Workshops, SDP attended.

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

1. Society Level

- Worked as District Coordinator for Mission 2021 to 2024 Admission Counseling Cell
- Member, Recruitment Process, Computer Engg
- Committee Member: Techtonic, Sinhgad Karandak,
- Open Source Software Committee

2. Institute Level (SCOE)

- Worked as Coordinator, FE, DSE Admission Facilitation Centre .
- Worked as Coordinator Deadstock Verification Committee
- Organizing committee member for INNOVATION, Graduation Ceremony, Techtonic, Sinhgad Karandak
- Examination Senior Supervisor

3. Department Level (Computer Engg)

- Lab In charge for Internet of Things, Teacher Guardian, Class Teacher
- Organizing committee member for various Staff Development Programs & National, International Conferences

- Departmental Coordinator- Result Analysis, Time Table, Student Development, Projects, Seminar, Placement
- Project Guide for BE & ME students
- NBA, NACC Coordinator

INVOLVEMENT IN TECHNICAL CLUBS AT STES/SCOE/DEPT:

1. Faculty Advisor, SIH Competition
2. Techtonic
3. Research Club, SSC

DECLARATION:

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

Date: / / 2024

Signature