Dr. Manisha Bhende

PROFESSOR

Educational Qualification: Ph.D. in Computer Engineering

Experience: 23 Years

Email ID: Manisha.bhende@gmail.com

Areas of Interest: IoT, WSN, Data Science

Memberships: ACM,CSI,ISTE,IAENG

Courses Handled:

Post Graduate:

Research Methodology, Advanced Unix Programming, Operating System Design, Advanced Computer Architecture, Network Security, Mobile Computing

Under Graduates:

Operating System and Administration, System Programming and Operating system, Networks and Information Security, Computer Network, Data Communication, High-Performance network, Mobile Computing, Embedded Operating System, Unix operation System, Fundamental of Programming language, Embedded and Real-time Operating System, Computer Organization and Architecture, High-performance Computing, etc.

Administrative responsibilities:

Working as Head of the Department
Innovation Ambassador for Dr. D.Y.Patil School of Science and Technology
Project Coordinator
IPR Cell Coordinator
To motivate faculty members to attend conferences, workshops, FDP, STTP, and other Technical Events or their knowledge up gradation.
Preparation of Scientific Proposal
Worked as an NBA, NAAC, ISO, R&D,IIPC, EDC,and CQMC Coordinator
Worked as Assistant CAP Director for Second year CAP, SPPU, Pune
Worked as CSI, ACM student branch coordinator
To arrange industrial visits/expert lecturers for students in order to increase technical proficiency.

Sr No	No of Paper Publications			Journal	Conference
1			National	7	11
			International	32	27
2	Book Publication: 4	Patents: 6		Copyrights: 7	
3	Any Proposal (R & D/ any others please Specify Category & No) :	Projects Guided: 27			
4	FDP / Workshops Attended	FDP		Workshops	
		38		45	
5	FDP / Workshops Organized	FDP		Workshops	
		15		10	
6	Industrial Visits Attended	26			
7	Certifications	NPTEL		Others	
		7		18	

Interaction with the Outside world:

- Resource person for various AICTE/SPPU approved workshops/seminar
- Worked as External Examiner for ME dissertation at Sant Gadge Baba Amravati University.
- Delivered Expert talk/guest speakers in Various Institutes

Awards/Accolades/Certifications/Achievements:

- Granted patent

  Title of the invention: Managing Grain Storage" Application No.1980/MUM/2014 A, Date of Granting Patent: 30/08/2022

- Secured Second position as a team in the CSI Regional (west) Competition for "Young IT Professionals" organized by the Pune Chapter on 1st April 2006 at Pune as a part of CSI's National Competition for Young IT Professionals.
  Project Selected: Image Modulator for Printed Document Security.

- Regional-level Winner of the Avishkar Project Competition in the PPG category

- Technology Transfer: Prototype Development for Monitoring Environmental Parameter in Precision Agriculture at Dharma Aromatic & Medicinal Estate, At post-Bordi, Tal. Akot, Dist Akola (MS)

- Research panel expert member for research scholar at Vishwakarma University, Pune

- Reviewer Elsevier journal on Ad Hoc Networks, Vehicular Communications
- Reviewer and session chair ICCUBEA, ICATCSIT 2020, ICPC 2020, ADICS-ESIT 2020, ISI'17
- Reviewer and session chair for cPGCON by Savitribai Phule Pune University
- Reviewer and Technical Committee member CITEI 2020.
- Technical Programme Committee member to ICFV'19 Congress, University of Oxford, UK
- Reviewer for Ad Hoc & Sensor Wireless Networks,
- Reviewer for ICACCI Industry Track'18, CSNT 2018
- Reviewer Indian Journal Science and Technology
- Ph.D. Thesis Evaluated and Examined
- Subject coordinator for Second Year Project-based learning(SE Computer Engineering 2019 course), System Programming and Operating System (TE Computer Engineering 2019 course), and members for Lab Practice I for third-year Computer Engineering
- Subject Chairman and Paper Setter of various courses
- Subject chairman System programming and operating system, Operating system Design
- Paper Setter of ME
- Worked as Technical Program Committee(TPC) member for IEEE conferences

Book Publications : Authored: 2 and Edited: 2

- Fundamentals of Data Science, CRC Press, published in September 2021
- Energy Optimization Protocol Design for Sensor Networks in IoT Domains, CRC Press, will be published in February 2022
- Edited Book by IGI Global Publisher on "Handbook of Research on Applied Intelligence for Health and Clinical Informatics", published in October 2021
- Edited Book by Scrivener Publishing, Wiley, on " Object Detection by Stereo Vision Images", will be published in March 2022.