

RESUME

Mrs. Medha Sanjay Asurlekar

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CAREER OBJECTIVE

Seeking a challenging environment that encourages continuous learning and creativity, provides exposure to new ideas, and stimulates personal and professional growth in the areas of Teaching.

PROFESSIONAL EXPERIENCE

- Working as Assistant Professor in K.J. Somaiya Institute of Technology, Sion, Mumbai since Aug-2007 to till date.
- Worked as Lecturer in VJTI Matunga, Mumbai for two and half year.

ACADEMIC QUALIFICATION

- M.E.(Electronics & Telecommunication) – Masters Degree in Electronics & Telecommunication Engineering – from Terna Engineering College, Nerul, Mumbai University in April 2013 with 68.38 %
- B.E. (Electronics) - Bachelors of Electronics Engineering from Kavi Kulguru Institute of Technology , Ramtek,Nagpur University in summer 1999 with 60%.
- H.S.C. from Seth Kesrimal Porwal College Kamptee, Nagpur with 67.67 %
- S.S.C. from Shikshak Sahakari Madhymik Shala Kamptee, , Nagpur with 85.42%

RESEARCH PUBLICATIONS

Sr No	Title of Paper	Name of the Conference/Journal	Volume Issue/ISSN/ISBN
1	AI-Jurist: An AI-Powered Legal Guidance to Empower Individuals	International Journal of Research and Analytical Reviews	Volume 11 Issue 2 June 2024, Date of Publication: 28-June-2024
2	Deep Learning Approaches for Intelligent Plant Leaf Disease Prediction	IJSDR International Journal of Scientific Development and Research	Volume 9 Issue 1,pages 78-83 ISSN: 2455-2631, Jan2024
3	Real Time Weather Monitoring System Implementation Based on Internet of Things	ICAST2021	Proceedings of the 4th International Conference on Advances in Science & Technology,2021
4	Autonomous Floor Cleaning Robot with Obstacle Avoidance Technology	International Journal of Research in Engineering, Science and Management	Volume-3, Issue-6, June-2020

5	Wireless Intelligent Security Bot	Advances in Wireless and Mobile Communications (AWMC),	Vol 11, Number 1 Special Issue, pp 69-71 April 2018
6	Energy Efficient Routing in Wireless Sensor Network with a Dynamic Sink Based Congestion Control Protocol	International Conference on Advances in Communication and Computing Technologies (ICACACT) 2012	Impact factor 3.12 , Pages 16-22 Volume No 1, Year 2012.
7	Data Saving in Wireless Sensor Networks with a Dynamic Sink Based Congestion Control Protocol	, International Journal on Advanced Electrical and Electronics Engineering, (IJAEED)	ISSN (Print): 2278-8948, Volume-1, Issue-1, 2012. NATIONAL CONFERENCE
8	Memory model to ensure data persistency under congestion in wireless sensor network	National Conference on Recent Advancements in Engineering (NCRAE-12)	ISBN : 978-93-82062-40-0 , held on 22nd and 23rd June.2012

MINOR RESEARCH GRANT:

Name of the Researcher	Project Title	Project No	Year	Sponsored by	Amount Sanctioned
Medha Asurlekar (Principal Investigator)	Autonomous Floor Cleaning Robot With Obstacle Avoidance Technology	1055	2019-20	University of Mumbai	35,000
Medha Asurlekar (Principal Investigator)	GPS based Pollution Detection and Control System for Environment	421	2016-17	University of Mumbai	25,000

AWARDS :

- Received two consecutive times Best IETE-SF award by Mumbai Center during the tenure 2020-21 and 2021-22 , working as an IETE –SF coordinator in the Institute.
- Appreciated for obtaining best feedback for the subject Basic Electrical Engineering taught for 1st semester academic year 2020-21
- Appreciated for obtaining best feedback for the subject Cryptography and Network Security” taught for VIIth semester academic year 2023-24.

FDPS/STTPS/SEMINARS ATTENDED

- Undergone Innovation Ambassador (IA) ReSkilling (Total 21 sessions of 21 hours) Conducted in Online Mode by MoE’s Innovation Cell and AICTE during the IIC Calender year 2022-23
- Certified as Coach of AI for Youth Program in India on 27-10-2023 by DELL Technologies.
- Participated in ISTE Approved Six Days Short Term Training Programme (STTP) on “Exploring Generative AI and Explainable AI: Concepts to Applications” conducted during 24th June to 29th June 2024, organized by the Department of Artificial Intelligence & Machine Learning & Artificial Intelligence & Data Science.

- Participated in of One Week Online Short Term Course on “Recent Trends in Blockchain Enabled Internet of Things” organized by Dr B R Ambedkar National Institute of Technology Jalandhar Department of Information Technology from December 04-08, 2023.
- Actively participated in the Training Program “Innovation and IPR” held during June 26-30 ,2023 organized by Institutions Innovation Council (IIC)
- Attended One week National Level Capacity Building Program on “Cybersecurity and Forensics” Organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion from 19th June to 24th June 2023
- Attended one-week Faculty Development Program on “Quantum Computing” organized by Department of Computer Engineering, K. J. Somaiya Institute of Engineering and Information Technology, Mumbai approved by Indian Society for Technical Education (ISTE), Institute of Engineering & Technology (IET) and University of Mumbai held during December 12-17, 2022.
- Actively participated in Webinar on "Designing of Virtual Lab" held on 23 September 2022 Organized by Virtual Lab Nodal Center KJSIEIT
- Attended the online orientation session for the subject Principles of Control Systems of T.E. Electronics Engineering Semester-V (CBCGS C-Scheme) on 27th July 2020 organized by the Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai (on behalf of University of Mumbai).
- Successfully completed an online non-credit course authorized by University of Michigan and offered through Coursera on Programming for Everybody (Getting Started with Python) on Dec22 ,2021
- Participated in the 5 day Online Faculty Development Programme Organised by K.J Somaiya Institute of Engineering and Information Technology, Sion and RUSA, Maharashtra on “Strategies for sustaining Quality Culture in Autonomous Colleges” from 21st June to 25th June 2021
- Participated in the 5 days Online Short Term Training Programme Organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Maharashtra on “Being an Autonomous Institute: Roles, Responsibilities and Action Plan” from 14 May -12 June 2021.
- Attended Two weeks online Faculty development programme on “Natural Language Processing” jointly organized by the Electronics and ICT Academies at IIT Kanpur, IIT Roorkee, MNIT Jaipur, PDPM IITDM Jabalpur and NIT Patna during February 7- 18, 2022
- Successfully completed three days Faculty Development Program on “Deep Learning Techniques for Image, Audio , Video Processing” with B grade held during January 21-23, 2021 and organized by the Department of Electronics Engineering of KJSIEIT, Sion, Mumbai in association with University of Mumbai and Mathworks India.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence and its Applications" from 2021-06-07 to 2021-06-11 at Government college of engineering, Nagpur.

NPTEL Courses :

- Completed the NPTEL course on-“ Introduction to Machine Learning” Elite Category with 61% (Jan-Feb 2024)
- Completed the NPTEL course on-“ Effective Engineering Teaching In Practice” Elite Category with 66% (Jan-Feb 2024)

- Completed the NPTEL course on-“ Introduction To Internet Of Things” Elite Category with 61% (Jan –April 2022)
- Completed the NPTEL course on-“ Python for Data Science” Eliter Category with 60 % (Jul-Aug2021)
- Successfully Completed the NPTEL course on-“ Fuzzy Logic and Neural Networks” (Feb –April 2019)
- Completed the NPTEL course on-“ Developing Soft Skills and Personality” with 83% (Jul Sep 2017)
- Completed the NPTEL course on-“ Basic Electrical Circuits” with 53% (Jul-Sep 2016)

MEMBERSHIP OF PROFESSIONAL SOCIETIES WITH CATEGORY OF MEMBERSHIP.

- Life membership of Institution of Electronics and Telecommunication Engineers, Membership no M-501977
- Life membership of Indian Society for Technical Education. Membership No LM128601

SUBJECT TAUGHT:

- Python Programming ,Object oriented Programming –Java,
- Cryptography and network Security
- Principles of Communication Engineering
- Basics of Analog and digital Communication
- Digital Communication
- Structured Programming Approach
- Basics of Electrical And Electronics Engineering
- Electronics and Electrical Measuring Instruments and Machines
- Principles of Control System

OTHER RESPONSIBILITIES:

- Working as a departmental Training and Placement coordinator
- Worked as IETE coordinator in which every year conducted various technical events for the students for overall professional development
- Member of syllabus Revision Committee in KJSIT for various subject.
- Set the question paper for Mumbai University and KJSIT under autonomy.
- Undergone Innovative Ambassador training in the year 2021-22 conducted by MoE’s Innovation cell and AICTE
- Conducted various activities as Innovative Ambassador to aware them about the start up and innovations
- Worked as a member in Admission Committee
- Worked as a test coordinator
- Worked as a Time table Coordinator
- Organized various ISTE approved FDPs/STTPs
- Organized FDPs and Certification Courses for students and staff in association with Spoken Tutorials IITB
- Organized various technical events to enhance the qualities of students and to make them ready for industry

- Worked as Organizing Committee Member in International Conference
- Worked as a member for Cultural Event
- Working as a mentor for students and project guide for major and mini projects
- Fully involved in all activities and events organized by institute and department

PERSONAL DETAILS:

Name: Medha Sanjay Asurlekar

Gender: Female

Marital Status: Married

DECLARATION: I hereby confirm that the information given above is true to the best of my knowledge.

Date: 24/10/2024

Place: Mumbai