

## RESUME [Dr. Shubhangi P. Kharche]

Technical Trainer, Researcher, Education Manager

Academic achiever, Goal Oriented

### Profile in brief

- Technical Trainer with more than 2 decades of exceptional experience in training the students of Electronics and Telecommunication. More than a decade experience in research and development with innovative ideas imparted to the candidates performing research and development.
- Awarded with the Best paper award at IEEE International conference held at IISc Bangalore in 2016. Awarded Women Researcher Award by International Scientist Awards in 2021.

### Area of expertise

- Teaching /Corporate Trainer
- Administration
- Leadership
- People management
- Research and Development
- Creative
- Innovation
- Agile
- Can do Attitude
- Individual contributor
- Collaborative
- People centric/ Customer centric
- Adaptability
- Career builder / Guide to students

### Professional Experience

#### Associate Professor: SIES graduate school of technology, Nerul, Navi Mumbai

Duration: 7 years

- As a R&D head increased the number of paper publication of students and faculty in Scopus, **Science Citation Index (SCI)** and Web of Science (WoS)
- MoU signed with Indian Development Foundation, Mumbai which strengthened the R&D activities
- Innovative and creativity: **Filed copyrights and patent**, innovative teaching pedagogies and ICT tools
- Conducted seminars, workshops on technical paper writing and innovative project selections for students in their final year of engineering
- Outcome base Education: Provided Letter of Recommendation (LoR) and guidance to students for their higher studies and career
- Organized and conducted Short Term Training Program (STTP), Student Development Program (SDP), Faculty Development Program (FDP), Summer Industrial Training (SIT), value added courses, guest lecturers by subject matter experts (SME) on latest trends in industries, due to which the students could choose and implement good projects and faculty members are updated with latest technologies required in Industries
- Collaboration: As a requirement to get NBA and NAAC for the college collaborated with different department HoD and faculty to get the accreditation
- More than 20 research publications in various international and national conference and journals which added points in NBA and NAAC Accreditation
- Women researcher award by VGood technology factory International Scientist Awards on Engineering, Science and Medicine in the year 2021
- Best paper award at IEEE international conference held at IISc Bangalore in 2016
- Trainings conducted on NS2, CCNA, RHEL, and LaTeX documentation
- **Skills: Linux shell scripting, AWK scripts, Cisco router and switch configuration, Zolertia Z1 motes configuration, IoT set up with Z1 motes, Cooja simulator, Contiki OS, IoT protocols, data visualization**
- **Certified AWS solutions Architect Associate ( AWS Cloud computing), data analytics, IoT projects and latest trends in industry**
- Delivered invited talks on 6G communication networks, Internet of things (IoT), 6LoWPANs and Next generation networks
- MoU signed with Eduvance, Vanmat Technologies Limited to conduct bridge courses for students and faculty which enabled them to implement state of the art VLSI, Embedded systems and IoT projects. This also enabled students to use the advanced technology kits on IoT, Augmented Reality (AR)
- Talent Acquisition: conducted interviews for recruiting faculty in the Electronics and Telecommunication department
- Paper reviewer and judge in IEEE international conferences and technical events
- External examiner to college
- Mumbai University appointed conveyer and member of syllabus setting committees for various subjects of Electronics and computer science, and Electronics and Telecommunication branches
- Mumbai University appointed conveyer and member of paper setting, paper assessment, paper moderation committees for various subjects of Electronics and computer science, and Electronics and Telecommunication branches
- Mumbai University appointed result moderation committee
- **PhD in Electronics and Communications** with specialization in wireless sensor network (WSN) and IoT
- **Secured top 2 % position** in NPTEL course on computer networks and internet protocol conducted by IIT Kharagpur at international level
- Silver Elite certificate in NPTEL on learning and analytics conducted by IIT Mumbai at International level
- Arranged and accompanied TE and BE students for industrial visits which helped them to relate the theoretical concepts with the practical setup and also bridge the gap between academic and industry
- Subjects Taught: Mobile communication, Wireless networks, Optical fiber communication, Embedded systems, Linux skill lab, Computer communication networks

#### Assistant Professor: SIES graduate school of technology, Nerul, Navi Mumbai

Duration: 6 years

- Lectures for BE Electronics and Telecommunications, Printing and Packaging students with 100% results in the subjects taught. This helped to get high merit students through first year admissions.
- Responsibility for NBA at institute level and got 3 departments EXTC, IT and CE accredited for 2 years
- Conducted, organized and attended several Short-Term Training Program (STTP) and workshops that improved the overall teaching learning in the department and also added points to the NBA and NAAC accreditation
- Mumbai University appointed conveyer and member of syllabus setting committees for various subjects of Electronics and computer science, and Electronics and Telecommunication branches
- Mumbai University appointed conveyer and member of paper setting, paper assessment, paper moderation committees for various subjects of Electronics and computer science, and Electronics and Telecommunication branches
- Mumbai University appointed result moderation committee
- Arranged and accompanied TE and BE students for industrial visits which helped them to relate the theoretical concepts with the practical setup and also bridge the gap between academic and industry
- Conducted and organized workshops SDP, FDP, SIT for students that helped to improve outcome for them in terms of results entrepreneurial skills, higher studies and placements
- Paper reviewer and judge in IEEE international conferences
- People Management: HoD for Electronics and Telecommunications department
- Convened a National conference on Recent trends in wired and wireless communication
- Subjects Taught: Random signal analysis, wireless networks, Digital telephony, satellite communication, operating systems

**Lecturer: SIES graduate school of technology, Nerul, Navi Mumbai**

**Duration: 4 years**

- Lectures for BE Electronics and Telecommunications, Printing and Packaging students with 100% results in the subjects taught. This helped to get high merit students through first year admissions.
- Arranged and accompanied TE and BE students for industrial visits which helped them to relate the theoretical concepts with the practical setup and also bridge the gap between academic and industry
- Mumbai University appointed conveyer and member of syllabus setting committees for various subjects of Electronics and computer science, and Electronics and Telecommunication branches
- Mumbai University appointed conveyer and member of paper setting, paper assessment, paper moderation committees for various subjects of Electronics and computer science, and Electronics and Telecommunication branches
- Mumbai University appointed result moderation committee
- Conducted and organize
- d workshops SDP, FDP, SIT for students that helped to improve outcome for them in terms of results entrepreneurial skills, higher studies and placements
- Subjects taught: Basic Electrical Engineering, Principals of control systems, Computer communication networks, Advanced control systems, microprocessors and peripherals, assembly language programming.

**Lecturer: Godavari College of Engineering, Jalgaon**

**Duration: 1 year 8 months**

- Conducted Lectures for BE Electronics and Telecommunications students with 100% results in the subjects taught. This helped to get high merit students in first year admissions.
- Guided BE projects
- Provided LoR for students pursuing higher studies
- Arranged and accompanied students for Industrial visits
- Shouldered responsibility of Girls hostel warden
- Subjects taught: Electrical and Electronics Engineering, Advanced Telematics, Communication Engineering, Network Analysis and Synthesis, microprocessors and microcontrollers, assembly language programming.

**Lecturer: MGMs college of computer management, Aurangabad**

**Duration: 1 year 2 months**

- Taught computer oriented numerical methods and computer system organization

**Lecturer: Marathwada institute of technology, Bulundshahr, UP**

**Duration: 1 year**

- Conducted Lectures for BE Electronics and Telecommunications, IT and CE students with 100% results in the subjects thought
- Arranged and accompanied students for Industrial visits
- Shouldered responsibility of Girls hostel warden
- Subjects taught: Solid state devices and circuits, electronic switching systems, computer system organization

**Lecturer: Babasaheb Naik College of Engineering**

**Duration: 1 year 5 months**

- Conducted Lectures for BE Electronics and Telecommunications students with 100% results in the subjects thought
- Shouldered responsibility of Girls hostel warden
- Subjects taught: Solid state devices and circuits, electronic switching systems, computer system organization
- Attended workshop on optical fiber communication and C programming.

**Membership of the Professional Bodies:**

- ISTE Life Member: LM 70149
- IETE Life Member: M-199422

**Links to Social Community Websites:** [Google Scholar](#) [Linkedin](#) [Researchgate](#) [Youtube](#)

Education	Institute	University	Location	Passing Year
PhD in Electronics and Communication	Usha Mittal Institute of Technology	SNDT Women's University	Mumbai	2020
ME in Electronics	Jawaharlal Nehru Engineering College	Dr. Babasaheb Ambedkar Marathwada University	Aurangabad	2004
BE in Electronics and Telecommunication	Government College of Engineering	Dr. Babasaheb Ambedkar Marathwada University	Aurangabad	1999
HSC	Vasantrao Naik Science College	Aurangabad board	Aurangabad	1995
SSC	Saint Francis De Sales High School	Aurangabad board	Aurangabad	1993

**Contact Details**

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**Date of Birth:** August 24<sup>th</sup>, 1977

**Enclosure: Annexure [Awards, Research publications, Intellectual Property Rights, (Seminars, conferences, workshops, trainings: Organized, Attended and Connected)]**