

RESUME

Miss. Rupali V. Satpute

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EDUCATION:

M.E. (Electronics and Telecommunication Engineering), B.Tech. (Electronics & Telecommunication Engineering), DEC (Electronics and Communication Engineering)

CAREER PROFILE:

Highly skilled, talented, and qualified Assistant Professor with 14 years of experience in the field of teaching and related activities of the engineering college. Wish to upgrade to the challenging position to utilize my skills and proficiency in the field of teaching and technology for the progress of the students and the society.

PROFESSIONAL STRENGTHS:

- Possess excellent logical and critical thinking,
- Possess good management and communication skills,
- Ability to solve issues in a quick and efficient manner,
- Have good leadership and management skills,
- In-depth knowledge of tools and techniques for effective teaching and learning activities,
- Good motivator and ability to handle multiple tasks,
- Determined and goal oriented.

PROFESSIONAL EXPERIENCE:

❖ K. J. Somaiya Institute of Engineering & Information Technology, Mumbai. (July 23, 2008-till date, UGC Selection under University of Mumbai) Assistant Professor in Electronics & Telecommunication Engineering.

★ **Handled the tasks of managing students and all activities related to the college**

- Nomination as a department faculty member on Board of Studies in Electronics and Telecommunication Engineering Department of K J Somaiya Institute of Engineering and IT Autonomous University.
- Coordinator (EXTC), Institutions Innovation Council (IIC), KJSIEIT, Ayurvihar, Sion (2020 to till date).
- Syllabus Setter (Chairperson) for subjects: Digital Communication, Signal and System and Signal and Speech processing.
- Syllabus Setter member for subject Principle of Communication of EXTC dept and DCOM for ETRX dept
- Paper setter for various subjects of Engineering Examinations under University of Mumbai
- Paper Evaluator for various subjects of Engineering Examinations under University of Mumbai
- Lab In charge for Communication Engineering Lab II/ Advance Engineering lab since 2012 to 2017.
- Proctor/ Mentor for a group of students.
- Coordinator (EXTC), Institute of Engineering and Technology (IET), KJSIEIT, Ayurvihar, Sion (2014 to till date).
- Coordinator (EXTC), Website committee, KJSIEIT, Ayurvihar, Sion (2014 to till date).
- Member (EXTC), F.E. admission, KJSIEIT, Ayurvihar, Sion (2014-15 to 2015-16).
- Judge: for Colour Splash in Surge 2017, Technical paper presentation contest in Oscillation 2017, "KJSIEIT-INTECH 2K17" National level Intra Collegiate project competition, "KJSIEIT-INTEH 2018" National level Inter collegiate Project competition.
- Departmental Test Coordinator for Even Sem 2016-17, Odd, Even Sem 2017-18.

❖ **Dr. Babasaheb Ambedkar Technological University (BATU), Lonere, Ta. - Mangaon, Dist. - Raigad**

Lecturer, (July 06, 2007-June 05, 2008, One year adhoc Basis appointment by Dr. BATU, Lonere, Ta. - Mangaon, Dist. - Raigad, Maharashtra State)

EDUCATIONAL SUMMARY:

- Master of Engineering (Electronics and Telecommunication Engineering), First Class with Distinction with 69.13%, Year 2012, Terna Engineering College, Nerul, Navi Mumbai, University of Mumbai, Maharashtra
- Bachelor of Engineering (Electronics & Telecommunication Engineering) First Class with 70.75%, Year 2007, Dr. Babasaheb Ambedkar Technological University, Lonere, Ta. - Mangaon, Dist. - Raigad, Maharashtra
- Diploma in Electronics and Communication Engineering, Distinction with 74.20%, Year 2004, Government Polytechnic, Washim under MSBTE, Mumbai, Maharashtra

SUBJECT TAUGHT:

Basics of electrical and electronics engineering

Power electronics

Digital Electronics

Principle of communication Engineering

Microprocessor and applications

Computer Communication Network

Optical Fiber Communication

Optical Communication Network

Analog Electronics I

Analog Electronics II

Electronic Devices and Circuits I

Electromagnetic Engineering

Digital Communication

RESEARCH PUBLICATIONS:

❖ International Journal Publications

1. Aditi Shedge*, Shaily Shah, Shubham Pandey, Mansi Pandey, Rupali Satpute (2021). Image Forgery Detection and Localization, International Journal of Scientific Research in Computer Science, Engineering and Information Technology. Volume 7, Issue 3, Page Number: 176-182, May-June-2021, Impact Factor = 6.135.
2. Assistant Professor. Rupali Satpute, Swati Naik, Komal Patil, Shruthi Muthuraman, Janhavi Kulkarni (2021). Healthcare Monitoring System for Smart Campus, International Research Journal of Engineering and Technology (IRJET). Volume: 08, Issue: 01 | Jan 2021, Impact Factor value: 7.529.
3. Rupali Satpute, Shankar Sontakke, Bhautik Gondaliya, Tapsi Sonawane, Kuldeep Suryavanshi (2020). Attendance Management System using Face recognition. IJRET. Volume 7, Issue 5 May 2020, Impact Factor - 7.529
4. Rupali Satpute, Hemant Gaikwad, Shoaib Khan, Aaditya Inamdar, Deep Dave (2018). IoT based green house monitoring System. IJRASET. Vol.6, issue IV, April 2018, Impact factor: 6.887, ISSN: 2321-9653.
5. Deep Mehta, Pranali Nakti, Venkatesh Mondli, Swapnil Sutar, Rupali Satpute (2018). IoT based Routine Health Checkup. 1st International Conference on Advances in Science and Technology (ICAST - 2018). ISSN:0973-1873, Volume 14 Number 1 2018(Special Issue), pg. no. 32. 6th April 2018.
6. Akash H. Chokshi¹, Vishal G. Bhanushali, Prof. Rupali V. Satpute. (2017) Android Mobile Application for Finding the Locations of Different Stores. Paper published in ejournal International Research Journal of Engineering and Technology (IRJET). e-ISSN: 2395 -0056, p-ISSN: 2395-0072. Volume: 04 Issue: 04 | Apr -2017. Impact factor: 5.181. 4/1/2017
7. Manan Shah, Samata Shah, Janak Rathod, Saurabh Rajadhyaksha, Prof. Rupali Satpute. (2017). Brainwave Controlled Wheelchair. Paper published in ejournal IJSRD - International Journal for Scientific Research & Development. Vol. 5, Issue 01, 2017. ISSN (online): 2321-0613, Impact factor: 2.39. 3/1/2017
8. Prof. Rupali Satpute, Kalpita Nimje, Sharad Shrivastava, Shraddha Parab, Tanvi Sharma. (2017) Developing a Computer based Information System to Improve the Diagnosis of Blood Anemia - Part I, International Journal for Scientific Research & Development (IJSRD), Vol. 4, Issue 12, 2017 | ISSN (online): 2321-0613, Impact factor: 2.39. 2/1/2017

9. Satpute R. and Patil S.(2016). Performance Evaluation of Antenna for enhancing ergodic capacity of channel in wireless communication. International Journal of Electrical and Electronics Engineering Research (IJEEER). ISSN(P): 2250-155X; ISSN(E): 2278-943X Vol. 6, Issue 3, Jun 2016, 17-20 (Impact factor: 6.2879).
10. Satpute R. and Nehria M. (2016). Virtual Laser Keyboard. International Journal of Innovative Research in Science and Engineering. ISSN: 2454-9665 Volume 2 Issue 3, March 2016(Impact factor: 2.03).
11. Satpute R. and Rai A. (2015). Artificial Solar Oxygen Tree. International Journal of Engineering Sciences & Research Technology (IJESRT). ISSN: 2277-9655 Scientific Journal Impact Factor: 3.449 (ISRA), Impact Factor: 2.114 Volume 4 Issue 2, February 2015.
12. Satpute R. and Ghandhi Y. (2014). Microprocessor Smart Cards for Centralizing Fare Collection in Public services. International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE). IJFEAT - International Journal for Engineering Applications and Technology, ISSN: 2321-8134 (Impact factor : 1.243).
13. Satpute R. and Sethi R. (2012). Wireless based Operation and Control of Electron Gun for Medical LINAC (Linear Accelerator). International Journal of Advanced Research in Computer Science and Electronics Engineering. ISSN:2277-9043 Volume 1, Issue 3, May 2012 (Impact factor: 2.5).
14. Satpute R. and Naik A. (2012). Evolution of GSM. International Journal of Advanced Research in Computer Science and Electronics Engineering. ISSN:2277-9043 Volume 1, Issue 9, November 2012, pp 111-116 (Impact factor: 2.5).

❖ **International Conference Publications:**

1. Satpute R. and Patil S.(2016). Performance Evaluation of Antenna for enhancing ergodic capacity of channel in wireless communication. An International Conference on Emerging Research Trends in Applied Engineering and Technology - ICERAT 2016. ISBN: 978-93-5258-409-3. 1st and 2nd April 2016. KGCOE, Karjat. Dist. - Raigad.
2. Satpute R. and Tatpuje N.(2014). Thermoelectric Refrigerator. 2nd International online Conference fair on Recent Trends in Engineering and Technology, Management and

Medical. IJFEAT - International Journal for Engineering Applications and Technology
"Impact factor : 1.243" ISSN: 2321-8134.

3. Satpute R. and Sethi R.(2012).Review paper: Wireless Sensor Networks. International Conference & Workshop on Emerging Trends in Technology (2012), ICWET 2012. Paper ID: 229, ISBN Numbers:ISBN No. 973-93-80864-47-3/ ISBN No. 978-0-615-58717-2.

❖ National Conference Publications

1. Satpute R. and Sethi R.(2011). Review of Wireless. 3rd National Conference on " Nascent Trends in Information & Communication Technologies (equinox 2011)

FACULTY DEVELOPMENT PROGRAM ORGANIZED:

1. As a Coordinator, organized a Orientation program on "Electromagnetic Engineering" subject of TE Sem - V *on behalf of University of Mumbai at K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on July 6, 2018.*
2. As a Coordinator, organized a Orientation program on "Optical Communication Network" subject of BE Sem - VII *on behalf of University of Mumbai at K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on July 29, 2015.*

STUDENT DEVELOPMENT PROGRAM ORGANIZED:

1. As a IET EXTC dept Coordinator, organized "National level Project competition INTECH 2K22" for *all students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on 16th April 2022.
2. As a IIC EXTC dept Coordinator, Organized workshop on "Design Thinking, Critical Thinking and Innovation" for *all students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on 25th February 2022.
3. As a IIC EXTC dept Coordinator, Organised Expert talks on "My story-Motivational session by Successful Innovator" for *all students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on 31st Deember 2021.

4. As a Coordinator, Organized Guest lecture on "Optimum Reception for Digital Signal" for *T Y students of EXTC*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on 10/6/2021.
5. As a IIC EXTC dept Coordinator, Organized webinar on topic " Prototype validation: Converting prototype into startup"for *all students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on 29th July 2021.
6. As a IIC EXTC dept Coordinator, organized a workshop on "IPR and IP for startups" for *all students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on 5/16/2021.
7. As a IIC EXTC dept Coordinator, organized a research "Research report writing competition" for *all students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai from 29th Dec 2020 to 5th January 2021.
8. As a Coordinator, organized a *Guest lecture on "Error Correction: ARQ and FEC"* for *TE students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on September 24, 2019.
9. As a Coordinator, organized a *Guest lecture on "Different Perspective of Electromagnetics"* for *TE students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on September 26, 2018.
10. As a Coordinator, organized a *Workshop on "Basics of Laboratories" (Electronic components and measuring instrument)* for *SE - III Sem students*, (around 100 students attended), K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on July 16, 2016.
11. As a Coordinator, organized a *Workshop on " Fiber Optic Connector and Splices"* for *BE students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on March 20, 2015.
12. As a Coordinator, organized a *Workshop on "MATLAB for beginners"* for *SE students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on March 16 and 20, 2015.
13. As a Coordinator, organized a *Guest lecture on "Light runner and LightSim"* for *BE students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on February 3, 2015.

14. As a Coordinator, organized a *Industrial visit at "All India Radio Broadcasting House, Churchgate, Mumbai"* for SE students, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on February 15 and 26, 2013.
15. As a Coordinator, organized a *Industrial visit at "Doordarshan Kendra, Worli, Mumbai"* for SE students, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on April 22, 2010.
16. As a Coordinator, organized a *Guest lecture on "ARM Processor" for TE students*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on October 26, 2009.

SHORT TERM TRAINING PROGRAM (STTP) AND WORKSHOP ATTENDED:

1. One week AICTE / ISTE induction/ Refresher program on 5G Technology, 21st to 26th February, Department of Computer Science & Engineering, Guru Nanak Institute of Technology, Nagpur.
2. Attended 1 month FDP on "Innovation and Enterprenership", 10th Dec 2021 to 10th Jan 2022, IIC, MHRD, KJSIEIT, Sion.
3. One week AICTE-ISTE approved Faculty Development Program on "VLSI: Physical Design and Verification", from 6 th to 10th December 2021, Department of Electronics and Telecommunication Engineering, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai in association with Entuple Technologies Pvt. Ltd.
4. Participated in an FDP on "Strategies for sustaining Quality Culture in Autonomous Colleges", 21st June to 25th June, 2021, Organised by K.J Somaiya Institute of Engineering and Information Technology, Sion and RUSA, Maharashtra.
5. Innovation Ambessador IIC training program (Foundation level), 30th Jun to 30th July 2021, By AICTE and Ministry of Education Inovation Cell.
6. AICTE Sponsored Series of One Week Online Short Term Training Program On "Telecommunication Networks- Phase II", (Schedule II: 05th to 10th July, 2021), Vidyalankar Institute of Technology, Mumbai.
7. 5 days Online Short Term Training Programme "Straitegies for sustaining Quality Culture in Autonomous colleges", from 21st June -25th June 2021, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai-22
8. 5 days Online Short Term Training Programme "Being an Autonomous Institute: Roles, Responsibilities and Action Plan", from 14 May -12 June 2021, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai

9. Online Faculty Development Program on "Research Funding Projects and IPR (Part II)", June 07 to June 9, 2021 in online mode, K. C college of Engineering and Management studies & Research, Thane.
10. Online Faculty Development Program on "EMERGING TRENDS IN AIML", 17th to 22nd May, 2021 ALAMURI RATNAMALA INSTITUTE OF ENGINEERING AND TECHNOLOGY (Run By Koti Vidya Charitable Trust)
11. FDP on "Online Teaching and E content", S K Somaiya college in association with Indian Institute of Digital Education, 11th and 12th June 2020.
12. One week FDP on "Antenna Design and Troubleshooting", Pillai College of Engineering, New Panvel, 3rd to 7th June 2020.
13. 5 Day online STTP on "Recent trends and Applications of Machine Learning and Deep Learning in IT ", RAIT, Navi Mumbai, 25th to 29th May 2020.
14. FDP on "Data Science", Fr. Conceicao Rodrigues college of engineering, Mumbai, 26th May to 30th May 2020.
15. One week Online FDP on Research, Funding projects and IPR organized by K C college of Engineering, Management studies and Research, Thane (E), Mumbai during 7th- 10th May, 2020.
16. Online Faculty program on NBA organised by Bharti Vidyapith college of Engineering, Navi Mumbai on 9th May 2020
17. One week FDP on "Machine Learning for Image, Audio, Video Analysis & IoT" organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai during 9th- 14th December, 2019.
18. Online MOOC 12 week on "Computer Network" by CEC organised by IIT, Bombay.
19. Online MOOC 12 week on "Computer Fundamentals" by CEC organised by IIT, Bombay.
20. One week FDP on "Recent Trends and Development in Modern Antennas, RF and Microwave System" organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai during 1st- 6th July, 2019.
21. Orientation program for Optical Communication attended on 9th July 2019 organised by Adhoc Board of studies in Electronics and Telecommunication Engineering, University of Mumbai held at KJSIEIT, Mumbai
22. NPTEL Online Certification - Stress Management (AICTE approved FDP), duration - Aug-Sept 2018 (4 week course) IIT Bombay.

23. NPTEL Online Certification - Outcome based pedagogic principles for effective Teaching (AICTE approved FDP), duration - Aug-Sept 2018 (4 week course) IIT Bombay.
24. NPTEL Online Certification - Digital Circuits, duration - July-Oct 2018 (12 week course) IIT Bombay.
25. Workshop on “Practical Electromagnetics for Modern Antennas, RF and Microwave designs” 9th March 2018 - 10th March 2018, KJSIEIT, Sion, Mumbai.
26. NPTEL Online Certification - Introduction to Internet of Things, duration - Jan-Apr 2018 (12 week course) IIT Bombay.
27. NPTEL Online Certification - Effective Engineering Teaching in practice, duration - Feb-Mar 2018 (4 week course) IIT Bombay.
28. Orientation program for Micro-electronics attended on 7th July 2018 organised by Adhoc Board of studies in Electronics and Telecommunication Engineering, University of Mumbai held at KJSIEIT, Mumbai
29. NPTEL Online Certification - Basic Electronics, duration - Jan-Apr 2017 (12 week course) IIT Bombay.
30. Orientation program for EDC - I attended on 7/21/2017 organised by Adhoc Board of studies in Electronics and Telecommunication Engineering, University of Mumbai held at MCT's Rajiv Gandhi Institute of Technology, Mumbai
31. One day workshop on “*eSim Workshop 2016*” organized by FOSSEE ((Free and Open Source Software for Education)) at Indian Institute of Technology Bombay during 11th June 2016.
32. One week faculty development program on *Faculty Development program on "IoT: Applications & Developments"* organized by KJSIEIT, Sion, Mumbai & IET local Network during 2nd to 7th May 2016.
33. One week faculty development program on *Faculty Development program on "IoT: Applications & Developments"* organized by KJSIEIT, Sion, Mumbai & IET local Network during 2nd to 7th May 2016.
34. One week training cum Workshop on "NAAC - Process Criteria and Audit" organized by Internal Quality Assurance Cell (IQAC), KJSIEIT, Sion, Mumbai during 25th to 29th April 2016.

35. One day Workshop on “NPTEL Awareness Workshop (A joint venture by Indian Institute of Technology & Indian Institute of Science)” organized by KJSIEIT, Sion, Mumbai during 8th Jan 2016.
36. One week STTP on "The New Generation 4G and 5G Innovations, Research, Scope and Limitations" organized by KJSIEIT, Sion, Mumbai & IET local Network during 17th to 21st Nov 2015.
37. Two day Course on "Optical Fiber Communication & Sensors" organized by Eagle photonic Solutions in Association with IETE Mumbai, at Vashi, Navi mumbai during 16th & 17th October 2015.
38. One day National Symposium on "Evangelizing Internet of Things" (IoT) organized by KJSIEIT, Sion, Mumbai & IET local Network on 5th October 2015.
39. One day LATEX Workshop organized by IIT, Bombay by Spoken tutorial Project on 29th August 2015.
40. One day hands on training on "Computer Communication Network Practical" organized by SPIT, Andheri(W), Mumbai on 7th February 2015.
41. One week STTP on "Cloud Computing and Big data Analytics" organized by KJSIEIT, Sion, Mumbai during 10th - 14th November, 2014.
42. Two-week QIP short term course "Satellite Image Processing - Basic to Advanced" organized by Indian Institute of Technology (IIT) Bombay during 24th Nov - 05th Dec, 2014.
43. One week STTP on "Research Methodology & Related Open Source Tools" organized by KJSIEIT, Sion, Mumbai during 17th - 21st December, 2012.
44. One week STTP on "Present & Future trends in Wireless Technology" organized by TPCT's Terna Engineering College, Nerul (W), Navi Mumbai during 17th - 21st JAN, 2012.
45. One week STTP on "Present & Future trends in Wireless Technology" organized by TPCT's Terna Engineering College, Nerul (W), Navi Mumbai during 17th - 21st JAN, 2012.
46. One week workshop on “*Mobile Technology:nCurrent Trends and Future Directions*” organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai during 31st May - 4th June, 2010.

47. One week workshop on “*Neural Network & Fuzzy System*” organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai during 4th - 8th JAN, 2010.
48. Two days workshop on “ *EMBEDED SYSTEMS (Importance of Proteus Virtual System Modelling Software)*” organized at SVKM's D. J. Sanghvi CoE, Mumbai during 24th - 25th July, 2009.
49. One week STTP on “*Wireless Communication and Networking*” organized at KJSIEIT, Sion Mumbai during 13th - 17th July, 2009.
50. One week STTP on “*Wavelet Transform*” organized at KJSIEIT, Sion Mumbai during 24th - 28th NOV, 2008.

PERSONAL DETAILS:

- Date of Birth: 14/12/1984
- Employment Status: Full time
- Gender: Female
- Marital Status: Married
- Nationality: Indian
- Mother Tongue: Marathi

Hobbies:

Listening Music, Watching Sports