

**Dr. Sanjay Shitole**  
**Professor and HOD-Information Technology**  
**Usha Mittal Institute of Technology, SNDT Women's University, Santacruz(W), Mumbai.**

<b>Research Projects</b>	<ol style="list-style-type: none"><li>1. Development of Machine Learning Tools for Speckle Reduction and Urban Applications : Funded by NASA-ISRO Synthetic Aperture Radar (NISAR) mission (Rs 26 Lakh).</li><li>2. Wetland and SAR data analysis: Supported by the Centre for Canadian Studies (Rs. 41,000).</li><li>3. Characterization of Mumbai Mangroves using remote sensing: Sponsored by UTI (Rs. 40,000).</li></ol>
<b>Fundraising</b>	<ul style="list-style-type: none"><li>• Conducted workshop on L<sup>A</sup>T<sub>E</sub>X software for research paper writing for teachers (approx. INR 40,000), Organized L<sup>A</sup>T<sub>E</sub>X workshops for UNIT IEEE student chapter (approx. INR 35,000).</li></ul>
<b>Economical solution</b>	<ul style="list-style-type: none"><li>• Initiated the migration of computer labs from proprietary software to open-source software in 2009, saving approximately INR two crore in software costs. Presented this case study at NIT Calicut and it was highlighted in Frontline National Magazine, published by The Hindu.</li></ul>
<b>Research paper awards</b>	<ul style="list-style-type: none"><li>• “Effect of Moving Window Size in Polarimetric SAR Data Filtering on Classification” awarded by the Indian Society of Remote Sensing and Indian Society of Geomatics.</li><li>• “Impact of DFT Based Speckle Reduction Filter on Classification Accuracy of Synthetic Aperture Radar Images”, presented at IEEE International Conference (InGARSS).</li><li>• “Urban Flood Mapping with C-band RISAT-1 SAR Images: 2016 Flood Event of Bangalore City, India”, presented at the International Conference on Convergence to the Digital World.</li></ul>
<b>Visits abroad for Conference</b>	<ul style="list-style-type: none"><li>• European Space Agency (ESA), Frascati, Italy (<i>Two times</i>).</li><li>• Melbourne, Australia: IEEE Geoscience and Remote Sensing Society, Conference</li></ul>
<b>Ph.D. Supervisor and Reviewer</b>	<ul style="list-style-type: none"><li>• Currently supervising six research scholars in the fields of SAR, Machine Learning, and Image Processing, Research paper reviewer for peer review journals, conferences and PhD thesis.</li></ul>
<b>Outreach Activities</b>	<ul style="list-style-type: none"><li>• Conducted training sessions for M.Tech students and research scholars at IIT Bombay.</li><li>• Delivered invited talks on “Machine Learning” at BITS Pilani K K Birla Goa Campus, VNIT Nagpur, and NIT Raipur.</li><li>• Trained over 2000 teachers in different states in research paper writing, tools for publishing, Machine Learning, and Image Processing.</li></ul>
<b>Administrative Responsibilities Handled</b>	<ul style="list-style-type: none"><li>• Arranged the Annual Convocation of the University for web telecast at Rajbhavan</li><li>• Member of the Annual Report Committee of SNDT Women's University.</li><li>• Vice Chancellor's nominee for staff selection, BOS in affiliated colleges of the University.</li><li>• Web Site Coordinator for SNDT Women's University.</li><li>• Coordinator of ACM-UNIT and Convener of STTP, arranging expert lectures.</li><li>• Member of the Board of Lifelong Learning and Extension, School Committee, Senate Member at SNDT Women's University.</li><li>• Served on the Selection Committee at CDAC Mumbai, Local Inquiry Committee, Scrutiny Committee, and Examination Squad.</li></ul>
<b>Professional Memberships</b>	<ul style="list-style-type: none"><li>• Member of IEEE; formerly held positions as Secretary and Treasurer in the Geoscience and Remote Sensing Society (GRSS), Life Member of the Indian Society of Remote Sensing.</li></ul>
<b>Skill Upgrade</b>	<ul style="list-style-type: none"><li>• Completed the “IPR Fundamental Workshop” organized by IPR Chair office and IPR Cell, IIT Bombay over seven weekends.</li><li>• Earned certificates from Coursera for “Learning How to Learn” and “Learning to Teach On-line”, Completed a Udemy Certificate Course in “Drupal CMS”, Earned YTTC and YNTC Diploma Courses from Yoga Vidya. Niketan.</li></ul>