BIO DATA

1. Name : Mrs. Swati Hemant Shinde

2. Date of Birth : 30/7/1973.

3. Address : Shri. Hemant Shivajirao Shinde.
1201, Velentine Tower,Near Wageshwari Mandir, Filmcity
Road, Malad (e), Mumbai-400097.

4. Contact No. : 022-28495544
8097041456

5. E-mail : swati.shinde@somaiya.edu

6. Educational Qualification: B.E. (Electronics Engg.), First Class with Distinction,
Shivaji University, Kolhapur (1997). (66%)
M.E. (Electronics Engg.), First Class, Shivaji University,
Kolhapur (2008) (68.72%).

7. Membership of Professional Society:

- Life Member of Indian Society for Technical Education (ISTE), New Delhi.
Membership No. LM4072
- Member of International Association of Computer Science and Information Technology (IACSIT).
Membership No. 80343030

8. Experience : UGC approval 24th Oct. 2001.
▪ **20 Years Teaching Experience**
1. At ADCET, Ashta.
Lecturer - 8.5 years.
Promoted under CAS Sr. Lecturer -2.5 years.
Promoted under CAS Asst. Professor-01/08/2010-21/05/2011
2. Atharva College of Engineering, Mumbai.
Asst Professor from 25th July 2011 to 24th June 2012.
3. Currently working as an Assistant Professor at K.J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai. From 30th June 2012 to till date.
- Recognized PG Teacher for M.E. (Electronics Engg.) of Shivaji University, Kolhapur.
- Recognized PG Teacher for M.E. (Electronics Engg.) of University of Mumbai from 7th September 2016.
- Recognized PG Teacher for M.E. (Electronics & Telecommunication Engg.) of University of Mumbai from 7th September 2016.

9. Administrative Responsibilities:

- Head, Dept. of Electronics & Telecommunication Engg at ADCET, Ashta.
- Academic Coordinator of ADCET, Ashta (2003 to 2008).

- NBA work responsibility (NBA Co-coordinator for all Departments) at ADCET, Ashta
- IQAC cell member, KJSIEIT, Sion
- NAAC coordinator (EXTC Department)
- Website coordinator (EXTC Department)

10. Visiting Faculty:

- Digital Image Processing, at Dr. J.J.M. Engineering College, Jaysingpur.
- Mobile Communication, COEP Palus.
- Expert Lecturer on Image Processing at Dept. of Information Technology, ADCET, Ashta.
- Expert Lecturer on Mechatronics at Dept. of Mechanical Engineering, ADCET, Ashta.

11. Certification Course:

1. NPTEL online Certification course in "Principle of Communication System –I" Duration 12-week April 2018. (IIT Kanpur)
2. NPTEL-AICTE FDP Certification course in "Digital Image Processing" Duration 12-week Jul-Oct 2018. (IIT Karagpur) with ELITE
3. NPTEL-AICTE FDP Certification course in "Outcome based pedagogic principles for effective teaching" Duration 4 week Aug-Sep 2018. (IIT Madras)
4. NPTEL-AICTE FDP Certification course in "Embedded system Design with ARM" Duration 8-week Jan-Mar 2019. (IIT Karagpur) with ELITE

12. Papers Published/Presented

- Miss Swati F. Bhope (Swati Shinde) & Dr.S.P.Patil. Published on "Defects Identification in Textile Industries" *International Journal of Chemical Science & Application, ISSN 0976-2590,* Vol-1, Issue1 2010.
- S.F.Bhope, (Swati Shinde) Presented Paper On "Fabric Defect Detection by using analysis" In National Conference On Emerging Technologies And Applications (ETA 2006) Received Certificate Of Merit for this Paper.
- S.F.Bhope (Swati Shinde) R.R. Jagtap, Presented Paper On "Energy Conservation & Environment of Millennium" An International Technical Symposium (TECHNO MILLENNIUM 2006) at MIT, Aurangabad.
- S.F.Bhope (Swati Shinde), Dr. S.P.Patil, RIT, Sakharale Presented Paper On "Image analysis for fabric defect detection using FFT " Conference on Information Tech. in Multi-domain Industry, Sinhgad Institute of Technology, Lonavala. April 20-21, 2007.
- S.F. Bhope (Swati Shinde), Presented Paper On "Fabric Defect Detection using Image analysis" at QUANTUM 06, at RIT, Sakharale. (Second Prize won) (ME dissertation) dt. 24th & 25th January 2006.
- S.F.Bhope (Swati Shinde), Dr. S.P.Patil, RIT, Sakharale Presented Paper On "Image Analysis for fabric defect detection using Fast Fourier transform" in conference NCDSP-2007 on "Applications of Digital Signal Processing" Fr. C. R. C. E., Bandra, Mumbai Dt. January 19-20, 2007.
- Swati Shinde, Anjali Keluskar KJSIEIT,Sion Published paper on "Implementation of Reversible gates and its applications" in International Journal of Electronics and Communication Engineering (IJECE) ISSN (Online): 2278-991X, Vol-2, Issue 3 July 2013. Impact Factor(JCC)=2.5893.
- Swati Shinde, KJSIEIT, Sion Presented Paper on "Fabric defect detection using Wavelate transform at national Conference ETMEL at Dr. D.Y.Patil Engg. College, Pimpri, Pune dt 27th 28th Dec. 2013.

- Swati Shinde KJSIEIT, Sion, Latika Desai, Poonam Kadam Published paper on "Review on Text Detection from Images" in International Journal of Advanced Research in Communication Engineering, ISSN (Online): 2278-1021, ISSN (Print): 2319-5940 ptive RecuraVol-3, Issue 2, February 2014.
- Swati Shinde KJSIEIT, Sion, published paper on "Review on Impulse Noise Removal in Images Using Adaptive Recursive Weighted Median Filter" in International Journal of Computer Science and Management Research, ISSN: 2278-733X, Vol-3, Issue 3, 3 March 2014.
- Swati Shinde KJSIEIT, Sion, published paper on "Review on Laser Beam Operated Windows Operation" in International Journal of Technology, ISSN: 2278-0181, Vol-3, Issue 3, 3 March 2014.
- Swati Shinde KJSIEIT, Sion, published paper on "Location based dynamic advertisement structure for public transit systems" in International journal of engineering and technical research, ISSN 2278-0181, Volume4 issue 3, March 2015
- Swati Shinde KJSIEIT, Sion, Published paper on "Review on solar trash compaction "International journal of engineering and technical research, ISSN 2321-0869, volume 2, Issue 11, November 2014.
- Swati Shinde KJSIEIT, Sion, Published paper on "Review of health monitoring and Positioning System" in International Journal for Research & Development in Technology (Open Access Peer Review Journal) *Vol. 5, Issue 02, 2017 | ISSN (online): 2321-0613*
- Swati Shinde KJSIEIT, Sion, published paper on **"Gesture Controlled Wheel Chair with Home Automation for Physically Disabled People Prototype"** in *IJSRD - International Journal for Scientific Research & Development Vol. 5, Issue 02, 2017 | ISSN (online): 2321-0613*
- "Heart Disease Detection System" presented 1st International Conference on Advances in Science and Technology (ICAST-2018) And published in Advances in Wireless and Mobile Communications, *Vol. 11 Number 1, 2018 dt6th ,7th April 2018*
- "Identification of Alzeimer's disease using image analysis" published in International Journal of Creative Research Thoughts IJCRT *Vol. 6 Issue 2 ISSN 2320-2882 Page 924-927 2nd April 2018 UGC approved Impact factor 5.97An International Open Access Journal.*
- "Hardware & Software Co-Simulation Of Edge Detection For Video Processing" published in Journal of Emerging Technologies and Innovative Research (JETIR) ISSN-2349-5162 UGC approved and 5.8 impact factor, April 2019, Volume 6, Issue 4.
- "Soil Erosion Prevention by Phytoremediation Process using Solar Irrigation and Fertilization System" published in International Journal For Research & Development In Technology ISSN NO: - 2349-3585 (Open Access peer Review Journal) Volume-11, Issue-4, April-2019 in IJRDT, impact factor 6.88.

13. STTP (Short Term Training Programme) Attended:

- "Industry Institute Partnership" During 3rd January to 5th January 2001.
- "Advanced Image Processing Techniques" During 28th May to 9th June 2001 at RIIT, Sakharale
- STTP on "VLSI Design" During 24th June to 30th June 2002, at Bitmapper, Pune.
- STTP, "Application of MATLAB in Electrical and Electronics Engineering "on December 26-30, 2005, at RIT, Sakharale Under TEQIP.
- "VLSI: Devices to Application (VLDA: 2006) During 20th Nov to 1st Dec 2006 At TCET, Mumbai.
- "Advanced Signal Processing Techniques in Instrumentation" During 3rd Dec to 14th Dec 2007 At PVPIT, Budhgaon
- "Emerging Trends in Digital Signal Processing and Communication" During 9th June to 20th June 2008 At ADCET, Ashta.
- "Embedded System Design" from 8th June -13th June 2009, at MIT Alandi.
- ISTE approved short term training programme on "Greed Computing" 20th Dec. to 24st Dec.2010 at ADCET, Ashta.
- ISTE approved short term training programme on "Signal Processing Applications with MATLAB" during 27th Dec. to 31st Dec. 2010 at ADCET, Ashta.

- ISTE approved short term training programme on "Research Methodologies in engineering and Applied Sciences" during 25th April. to 29th 2011 at ADCET, Ashta.
- ISTE approved short term training programme on "Research Methodologies & related open source tools" during 17th -21st December 2012 at KJSIEIT, Sion, Mumbai.
- ISTE approved short term training programme on Cloud computing and big data analytics during 10 – 14th Nov 2014 at KJSIEIT, Sion, Mumbai.
- ISTE approved short term training programme on "Mathematical Modeling and its Technological Applications" during 11th − 15th May 2015 at KJSIEIT, Sion, Mumbai.
- One-week training cum workshop on "NAAC- Process Criteria and Audit" Organized by Internal Quality Assurance Cell (IQAC) from 25th to 29th April, 2016 at KJSIEIT Sion.
- ISTE approved two-week short term training programme on "Wavelet and Machine Learning" during 15th– 25th Nov 2016 at KJSIEIT, Sion, Mumbai.
- ISTE approved short term training programme on "R programming, Python and Perl" organized by Department of computer and IT during **2nd-7th January 2018** at KJSIEIT, Sion, Mumbai.

14. Seminars/Conferences/Workshop Attended:

- One Day Workshop On "Revision of Syllabi of BE(ETC)" on 4th Sept 2004 At COE Pandharpur
- Workshop On Or-Cad In January 2005 At ADCET, Ashta
- Two Day National Conference On "Embedded Systems and Energy Management "On 25th and 26th March 2006 At COET, Belgaum
- Two Day Workshop On "Applications of DSP and IP" On 19th -20th Jan 2007 At RIT, Sakharale under TEQIP
- Two Day Workshop On "Syllabus Revision of SE (ETC and Electronics)" on 4th and 5th Jan 2008 At D Y Patil COET Kolhapur
- One Day Workshop On "Revision of Curriculum (Structure of BE(ETC) Course)" on 14th Feb 2008 At RIT, Sakharale
- "NBA Accreditation- How to prepare for it?" October 22, 2002, at KIT, Kolhapur.
- Conference on "FPGA Design" 30th September to 1st Oct. 2003 at IIT, Mumbai.
- Two Day Conference On "Revamping Technical Education to Make It Synergistic with Information revolution" 9th State Convention of Maharashtra and Goa Section, ISTE, and National Seminar, on February 4th ,5th 2005, at Government College of Engineering Amravati.
- One Day Workshop On "Mechatronics introduced at BE Mechanical" October 5 2005, at RIT, Sakharale.
- One Day Workshop on Revision of Curriculum for E & TC Course on July 6, 2007 at RIT, Rajaramnagar.
- One Day Workshop on "Embedded System" July 27th 2006, JJM, Jaysingpur.
- One Day Workshop On "Embedded System" February 3rd 2006 RIT, Rajaramnagar
- Three days' International workshops on "Performance Based Teaching Techniques", from 11th -13th May 2009 at ADCET, Ashta.
- One Day Seminar on "Expectations by VLSI Industry" at Walchand College of Engineering, Sangli 24th July 2010.
- Two Day Workshop On "Strategies for performance outcome based Engineering Education" at Dr. D.Y.Patil Engg. College, Pimpri, Pune dt 10th & 11th Oct. 2013.
- One Day Workshop on, "Outcome based education and Accreditation for the faculty members of technical institutions" organized by NBA, New Delhi on 7th Sept, 2014 at VJTI, Mumbai.
- eSim Workshop 2016 organized by FOSSEE at Indian Institute of Technology Bombay on 11th June 2016.

- Electronics Instrumentation and Control (ECC-305) (SE sem III, Electronics and Communication Engineering) Faculty Orientation Programme for the revised syllabus at KJSIEIT dated 22nd July 2017.
- Two days' workshop on "Practical Electromagnetics for Modern Antennas, RF and Microwave Designs"dt **9th and 10th March 2018** at KJSIEIT, Sion, Mumbai.
- Two day workshop on "NAAC Criteria 1 and 2" held on 17th and 18th Feb 2017 in KJSIEIT
- Two day workshop on "Outcome based education" held on 7th and 8th May 2018 in KJSIEIT
- Seminar on "NAAC Revised accreditation framework – New initiatives and reforms " organized by IQAC cell on 15th Feb 2019 at KJSIEIT, Sion

15. Development Activities:

- Laboratory Development for UG – Video Engg. Communication, Advanced Communication, Signal Processing and Simulation, Mechtronics.

16. Computer Literacy:

- Certificate Course in Computer Applications, NIIT, Pune (Object Oriented Programming in C++) 3/2/99 to 26/2/99.

17. Consultancy Assignments:

- Energy audit at Shivaji University Kolhapur.

18. Courses and Programmes Organized:

- Coordinator one week ISTE approved short term training programme on "Signal Processing Applications with MATLAB" in year 27th Dec. to 31st Dec.2010.
- Coordinator National Level Poster Exhibition in Profest-09 at ADCET, ASHTA.
- Organizing committee member of One week ISTE approved short term training programme on "Research Methodologies in engineering and Applied Sciences" during 25th April. to 29th 2011 at ADCET, Ashta.
- Organizing committee member of One-week training cum workshop on "NAAC- Process Criteria and Audit" Organized by Internal Quality Assurance Cell (IQAC) from 25th to 29th April, 2016 at KJSIEIT Sion.
- Coordinator of ISTE approved two-week short term training programme on "Wavelet and Machine Learning" during 15th– 25th Nov 2016 at KJSIEIT, Sion, Mumbai.

19. Membership of Various Committees:

- Worked as a Chairman of Woman's Grievances Redressal committee at ADCET, ASHTA.
- Worked as a Committee member of LMC (Local Management Committee) at ADCET, ASHTA.
- Worked as a Committee member of Anti Ragging committee and Anti Ragging Squad at ADCET, ASHTA.
- IQAC cell Member at KJSIEIT
- Department Coordinator NAAC at KJSIEIT, Sion
- Institute level Coordinator for Criterion –II NAAC KJSIEIT, Sion
- Website Committee member at KJSIEIE, Sion

20. Research grant:
    1. Project title "Fabric defect detection using image analysis 2013- 2014" Mumbai University Minor research grant : Status completed Amount Rs. 35000/-
    2. Project title "Alzheimer's Disease Detection" 2019-2020 Mumbai University Minor research grant : Status ongoing Amount Rs. 25000/-

21. Subjects Taught:

- Electronic Devices and Circuits
- Discrete Circuit Design
- Transducer and Measurement
- Principles of Communication
- Electronics Communication Engineering
- Optical Communication and Networks
- Digital Communication
- Linear Integrated Circuits
- Digital Systems
- Embedded System
- Audio-Video Engineering
- Basic Electronics Engineering
- Mechatronics
- Electronic System Design
- DLDA
- Electronic Instrumentation and Measurements.
- VLSI Design
- Internet and Voice Communication
- Image and Video Processing

Mrs. Swati Hemant Shinde