


Name of Teaching Staff	: Prof. Dipti Harshal Kale	
Designation	: Assistant Professor	
Department	: Electronics & Telecommunication Engineering	
Date of Joining the Institution	: 29.11.2023	
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Qualifications with Class / Grade	: <ol style="list-style-type: none"> <li>1. M.E.(Electronics &amp; TeleComm. Engineering) from K J Somaiya College of Engineering, Vidyavihar, Mumbai in Jan 2013, 1<sup>st</sup> class with 65.59%.</li> <li>2. B.E. (Electronics &amp; TeleComm. Engineering) from SSPM's College of Engineering, Mumbai University, in June 2008, 1<sup>st</sup> class 66.96%.</li> <li>3. Diploma (Electronics &amp; TeleComm. Engineering) from GPM, MSBTE in Jun 2004, 1<sup>st</sup> class 68.93%.</li> </ol>	
Total Experience in Years	: <b>Teaching: 13.5 years</b> <ol style="list-style-type: none"> <li>1. Assistant Professor D.J. Shanghvi College of Engineering from 29.11.2023.</li> <li>2. Assistant Professor Shree L.R. Tiwari College of Engineering from 4.6.2016 to 28.11.2023.</li> <li>3. Lecturer in VIVA IT Virar, from July 2013 to Jun 2016.</li> <li>4. Lecturer in SFIT Mumbai from Jun 2012 to May 2013</li> <li>5. Lecturer in SSPM's COE, Mumbai University from Jun 2009 to Jun 2011.</li> </ol>	
Book Published	: Joshi Dipti, Zalte M.B., on "Recognition of Emotion from Speech" by LAP LAMBERT Academic Publishing, ISBN-978-3-659-57005-6	
Papers Published in Journal	: <b>International:</b> <ol style="list-style-type: none"> <li>[1] Joshi D., and Zalte M.B., "Speech Emotion Recognition: A Review", IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) ISSN: 2278-2834, ISBN:2278-8735. Volume X, Issue X (Jun. - Feb. 2013)</li> <li>[2] Joshi D., and Zalte M.B., "Recognition of Emotion from Marathi Speech using MFCC and DWT algorithms", International Journal of Advanced Computer Engineering and Communication Technology (IJACECT), ISSN (Print): 2278-5140, Vol-2, Issue – 2,2013</li> <li>[3] Kale D.H., Shukla K.,Singh M.," Smart Phone Based Detection of Emotions Using Real Time Speech", International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169 Volume: 5 Issue: 3 90 –93</li> </ol>	

		<p>[4] Shukla K., Singh J., Kale D.H.,” Emotion Recognition - An Optimized Approach using RF Signals”, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169 Volume: 5 Issue: 3, 42 – 45</p> <p>[5] Singh M, Kale D.H., Tikhe K.,” Dual Band Meta Material Inspired Antenna for Wireless Communication”, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC),ISSN: 2321-8169 Volume: 5 Issue:3,218-223</p>
Papers Presented in Conferences	:	<p><b><u>International:</u></b></p> <p>[1] Joshi D, Monde M.,” Progressive medical Image transmission &amp; compression” National level students conference on Instrumentation and Control, Feb – 2007</p> <p>[2] Joshi D., and Zalte M.B., “Recognition of Emotion from Marathi Speech using MFCC and DWT algorithms”, International conference on Electrical, Electronics and Computer Science (ICEECS- 2013),IRD,Pune</p> <p>[3] Kale D, Takle C., Shaikh S., Chaudhari R.,”Towards Detecting Emotions from Real-time speech” 4th National Conf. on Role of Engineers in Nation Building, Mar, 2016</p> <p>[4] Kale D.H., Shukla K.,Singh M.,” Smart Phone Based Detection of Emotions Using Real Time Speech”, International Conference On Emanations in Modern Technology and Engineering (ICEMTE-2017)</p> <p>[5] Shukla K., Singh J., Kale D.H.,” Emotion Recognition - An Optimized Approach using RF Signals”, International Conference On Emanations in Modern Technology and Engineering (ICEMTE-2017)</p> <p>[6] Singh M, Kale D.H., Tikhe K.,” Dual Band Meta Material Inspired Antenna for Wireless Communication”, International Conference On Emanations in Modern Technology and Engineering (ICEMTE-2017)</p>

Area of Specialization		Speech signal Processing
Professional Memberships	:	Life Member of Indian Society of Technical Education (ISTE) - <b>LM 83810</b>
Awards		Received Best Research and Publications Award, by SLRTCE, Mira- road for AY 2017-18
Interaction with Professional Institutions		<b>Reviewer-</b> Worked as Reviewer in National Level conference on “Role of Engineers in Nation Building, National Level conference ICSTMSD” 2023, by Atharva CoE
Subjects Taught		<p><b><u>UG Level:</u></b></p> <ol style="list-style-type: none"> <li>1. Basic Electrical Engineering</li> <li>2. Electronic Devices and Circuits</li> <li>3. Digital VLSI</li> <li>4. Data Compression and Encryption</li> <li>5. Management Information System</li> <li>6. Digital Business management</li> <li>7. Microprocessor and Microcontroller</li> <li>8. Speech Processing</li> <li>9. Digital Image Processing</li> <li>10. Signals and systems</li> </ol>

Projects Guided	: <b>UG Level:</b> <ol style="list-style-type: none"> <li>1. Service based chatbot (ay 2022-23)</li> <li>2. Integrated digital management system for “decaltech” (ay 2021-22)</li> <li>3. Smart ration card (ay 2020-21)</li> <li>4. Agrobot (ay 2019-20)</li> <li>5. Digital stethoscope (ay 2018-19)</li> <li>6. The blind reader (ay 2018-19)</li> <li>7. “library automation robot (ay 2017-18)</li> <li>8. Memory efficient cctv using microcontroller (ay 2016-17)</li> <li>9. Silicon eyes (ay 2015-16)</li> <li>10. Self-balancing robot (ay 2014-15)</li> <li>11. Spinning led display using microcontroller (ay 2013-14)</li> <li>12. Temperature monitoring and controlling via zigbee (ay 2013-14)</li> </ol>
Recommended Students for Higher Education	
Institute/Department Responsibility handled:	<ul style="list-style-type: none"> <li>- <b>Designing of practical and Projects</b> – Responsible for adding new experiments and updating existing using FLOSS, VLAB. MU approved Project guide from 2013.</li> <li>- <b>Institute level Examination coordinator</b> – Responsible for conducting and monitoring Internal as well as University level Examinations, involved in result generation of the same.</li> <li>- <b>Seminar and workshop coordinator</b>- Organized Various Seminars and workshops for Department.</li> <li>- <b>Consultancy coordinator</b> – Coordination with external consultancy for conduction of various workshops and Internship for Students</li> <li>- <b>Electronic Devices and VLSI Domain Member</b> – Responsible for educating students about the domain in order to participate in projects/Internship/paper presentation</li> </ul>
Pedagogy Development	<p>Video Lectures on Basic Electrical Engineering uploaded in Google classroom for students reference.</p> <p><a href="https://classroom.google.com/c/MjY1MzQ5MjcwNzI0?cjc=cxyzqi6">https://classroom.google.com/c/MjY1MzQ5MjcwNzI0?cjc=cxyzqi6</a></p>