

## Somaiya Vidyavihar University

<b>Name: Dr. Abhijeet Uday Karmarkar</b>			<b>E-mail: abhijeet@somaiya.edu</b>		
<b>Contact No: 8082053882 (M) / 9987557545 (M)</b>					
Department/Section: Mechanical Engineering					
College: K J Somaiya School of Engineering					
DOJ Somaiya: October 2014		Career Experience: 10 Yrs		Industry Experience: 0Yrs	
				Teaching Experience: 10 Yrs	
Present Academic Designation: Assistant Professor				Present Administrative Designation:	

<b>Area of research/specialization and Courses Delivered</b>
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> <li>1. Artificial Intelligence</li> <li>2. Robotics</li> </ol> <p>Courses Delivered</p> <ol style="list-style-type: none"> <li>1. Engineering Graphics</li> <li>2. Engineering Mechanics</li> <li>3. Engineering Exploration</li> <li>4. Mechatronics.</li> <li>5. Object Oriented Programming (M. Tech).</li> <li>6. Mechanical Measurement and Metrology.</li> <li>7. Robotics (M. Tech).</li> <li>8. Sensors and Actuators (OET)</li> <li>9. Automation and Control</li> <li>10. Professional Practice Lab (M. Tech).</li> </ol>

Recognition as a teacher by any University	UG: Yes	PG: No	Ph.D : No
Details of Recognitions			
1. Assistant Professor appointed on 18 <sup>th</sup> December 2017 via letter TASS (CT) / ICD / 2018-19 / 2268			

<b>Education</b>					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Doctor of Philosophy (Technology)	University of Mumbai	K J Somaiya College of Engineering, Vidyavihar (E),	2023	
PG	M. E. CAD/CAM & Robotics	University of Mumbai	K J Somaiya College of Engineering, Vidyavihar (E),	2014	8.27
UG	B. E. Mechanical Engineering	University of Mumbai	Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai	2011	62.93%

<b>Notable Experience Details</b>					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	K J Somaiya College of Engineering	Assistant Professor	18/12/2017	--	10

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<b>Research Accomplishments and Projects</b>		
No of students pursuing Ph.D as on date: --		No of students completed Ph.D as on date:-
No of students completed PG thesis / Project work as on date: 03		No of students / groups completed UG projects as on date: 10
Publications Total: 04	Number of Peer review Journal papers: --	Number of Conference papers: 04
Details of Publications: Conferences <ol style="list-style-type: none"> <li>1. Karmarkar, A. U., and N. R. Gilke. "Fuzzy Logic based decision support systems in variant production." <i>Materials Today: Proceedings</i> 5, no. 2 (2018): 3842-3850.</li> <li>2. Karmarkar, Abhijeet U., and Nandkumar R. Gilke. "An application of AHP for parameter importance evaluation for farm machinery selection." In <i>IOP Conference Series: Materials Science and Engineering</i>, vol. 810, no. 1, p. 012022. IOP Publishing, 2020.</li> <li>3. Karmarkar, A. U., and N. R. Gilke. "Embodiment design of a soil bin for soil-tool interaction study." In <i>Journal of Physics: Conference Series</i>, vol. 2070, no. 1, p. 012229. IOP Publishing, 2021.</li> <li>4. Yamish Singh, Rajanarasimha Sangam, Abhijeet Karmarkar. "Assembly and Programming of Hexacopter Drone for Surveillance and Medical Kit Delivery Purposes." <i>International Research Journal on Advanced Engineering Hub (IRJAEH)</i>, vol. 2, no. 6, p. 1794-1803.</li> </ol>		
Patents/Copy Rights : 2		
No of Research / consultancy / projects completed: Rs: --	No of Research / consultancy / projects on-going: Rs: --	No of Research / consultancy / projects on applied as on date: Rs: --
Details of Research / consultancy / projects:		
IPR/ Copyrights: Granted patent for 'A Suture Device' (ID No. 459434), Granted Copyright for 'Pot-hole Filling Machineautopot' (ID No. 1482/2025-CO/L)		

<b>FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered</b>
Attended <ol style="list-style-type: none"> <li>1. Certification Course in PRO-E, IDEMI</li> <li>2. Certification Course in CNC Lathe, IDEMI</li> <li>3. LabVIEW core1 training conducted by National Instruments, KJSCE</li> <li>4. STTP on 'Speech, Music Processing and Machine Learning: Fundamentals, Applications and Trends', KJSCE.</li> <li>5. Solidworks design, validation software &amp; Mastercam for Solidworks, KJSCE.</li> <li>6. NPTEL Online Certification for course 'Manufacturing System Technology'.</li> <li>7. Online Course on Effective use of IT for Professional Activities</li> <li>8. Online Course on Soft Skills</li> <li>9. Online Course on Workplace Communication</li> <li>10. Faculty Mentor for one month student exchange program at SANY Polytechnic, Hunan, China</li> <li>11. Course on Basic Fundamentals of 3D Visualization by IITBombayX</li> <li>12. Course on Basic 3D Modeling using Blender by IITBombayX</li> <li>13. Course on Basic 3D Animation using Blender by IITBombayX</li> <li>14. AICTE-ISTE approved training program on 'Emerging Trends in the Field of Mechatronics'</li> <li>15. AICTE-ISTE approved training program on 'Cognizance of Industry-4.0 towards Implementation and Security'</li> <li>16. Training at Mitsubishi Electric Pvt. Ltd.</li> <li>17. Workshop on Curriculum Framework for implementation of NEP2020</li> <li>18. Coursera Specialization in 'Robotics' (6 Courses)</li> <li>19. Coursera Specialization in 'Python for Everybody' (5 Courses)</li> </ol>

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### Organized

1. AICTE-ISTE approved training program on 'Cognizance of Industry-4.0 towards Implementation and Security'
2. DST Sponsored one week workshop on Sustainable Research and Development

### Delivered

### Notable Key Scholastic Achievements

1.

### Notable Positions and Responsibility

1. Member of Department Examination Committee
2. Worked as assistant exam administrator for ND2021
3. Coordinator of Department Timetable Committee

**Date: 08 / 09 / 2025**

**Abhijeet Uday Karmarkar**  
**Signature of Faculty Member**