

## Somaiya Vidyavihar University

Name: Abhijeet Uday Karmarkar		E-mail: abhijeet.karkarkar.89@gmail.com	
Contact No: 8082053882 (M) / 9987557545 (M)			
Department/Section: Mechanical Engineering			
College: K J Somaiya College of Engineering			
DOJ Somaiya: October 2014	Career Experience: 9 Yrs	Industry Experience: 0Yrs	Teaching Experience: 9 Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation:	

Area of research/specialization and Courses Delivered					
Research domain/interests/areas 1. Artificial Intelligence 2. Robotics Courses Delivered 1. Engineering Graphics 2. Engineering Mechanics 3. Engineering Exploration 4. Mechatronics. 5. Object Oriented Programming (M. Tech). 6. Mechanical Measurement and Metrology. 7. Robotics (M. Tech). 8. Sensors and Actuators (OET) 9. Automation and Control 10. Professional Practice Lab (M. Tech).					

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			

Education					
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%

Notable Experience Details					
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	--	9

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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: 02		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
<b>Details of Publications:</b> <b>Conferences</b> <ol style="list-style-type: none"> <li>1. Karmarkar, A. U., and N. R. Gilke. "Fuzzy Logic based decision support systems in variant production." Materials Today: Proceedings 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 IOP Conference Series: Materials Science and Engineering, 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 Journal of Physics: Conference Series, vol. 2070, no. 1, p. 012229. IOP Publishing, 2021.</li> </ol>		
Patents/Copy Rights : 1		
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)		

<b>FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered</b>
<b>Attended</b> <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>
<b>Organized</b> <ol style="list-style-type: none"> <li>1. AICTE-ISTE approved training program on 'Cognizance of Industry-4.0 towards Implementation and Security'</li> <li>2. DST Sponsored one week workshop on Sustainable Research and Development</li> </ol>

## Somaiya Vidyavihar University

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: 02 / 01 / 2024**

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