

## Somaiya Vidyavihar University

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

## Somaiya Vidyavihar University

| <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<br>Total: 04   | Number of Peer review Journal papers: --                    | Number of Conference papers: 04  |
| Details of Publications:<br>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 : 1   |   |  |
| No of Research / consultancy / projects completed:<br>Rs: --  | No of Research / consultancy / projects on-going:<br>Rs: -- | No of Research / consultancy / projects on applied as on date:<br>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>   |
|---|
| 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> |

## Somaiya Vidyavihar University

### 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 / 2024**

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