

## Somaiya Vidyavihar University

Name: Dr. Ajay Kumar Gangrade		E-mail:akgangrade@somaiya.edu	
Contact No: 022-66449501			
Department/Section: Mechanical Engineering			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 10/06/1991	Career Experience:31 Yrs	Industry Experience:___Yrs	Teaching Experience: 31 Yrs
Present Academic Designation: Associate Professor		Present Administrative Designation: (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered					
Research domain/interests/areas					
<ol style="list-style-type: none"> <li>1. Tribology</li> <li>2. Product Design</li> </ol>					
Courses Delivered					
<ol style="list-style-type: none"> <li>1. Engg. Design / Machine Design / Tribology</li> <li>2. Product Design and Development</li> <li>3. Engineering Economics and Financial Management</li> <li>4. Entrepreneurship courses</li> </ol>					

Recognition as a teacher by any University	UG: <b>Yes</b>	PG: <b>Yes</b>	Ph.D : <b>Yes</b>
Details of Recognitions			
<ol style="list-style-type: none"> <li>1. Mumbai University</li> <li>2. Somaiya Vidyavihar University</li> </ol>			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Mech. Engg.	Mumbai University	VJTI, Mumbai	2019	Awarded
PG	Design Engg.	IIT Bombay	IIT Bombay	1996	7.8 CPI
UG	Mech. Engg.	Rani Durgavati Uni., (Jabalpur)	Govt. Engg. College, Jabalpur	1990	78.3%
Diploma	Mech. Engg.	M. P. Tech. Board, Bhopal	Govt. Polytechnic, Khandwa (MP)	1987	79%
NET/SET/Other					

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	KJSCE, Mumbai	Lecturer	01/11/1991	31/10/1999	08
2.	KJSCE, Mumbai	Sr. Lecturer	01/11/ 1999	31/10/2004	05
3.	KJSCE, Mumbai	Lect. Selection grade	01/11/2004	31/10/2007	03
4.	KJSCE, Mumbai	Associate Professor	01/11/2007	Till date	15

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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: 15+		No of students / groups completed UG projects as on date: 100+
Publications Total: <b>More than 25+</b>	Number of Peer review Journal papers: 04	Number of Conference papers: 20+
<p>Details of Publications:</p> <p>International Journals</p> <ol style="list-style-type: none"> <li>Iranian Journal of Sci. and Tech., Trans. of Mech. Engg.,</li> <li>Jurnal Tribologi</li> <li>International Journal of Mechanical and Production Engineering (IJMPE)</li> </ol> <p>National Journals</p> <ol style="list-style-type: none"> <li>Research Journal of Engineering and Technology</li> <li>Indian Journal of Tribology</li> <li></li> </ol> <p>Conferences</p> <ol style="list-style-type: none"> <li>International Conference on Advances in Mechanical Engineering</li> <li>12th EDF/Pprime Workshop: Futuroscope</li> <li>National Tribology Conference NTC-2014 ; NTC-2016</li> <li>International Conference on Advances in Materials and Product Design</li> <li>STLE Annual Meeting &amp; Exhibition</li> <li>International Conference on New Frontiers in Engineering, Science &amp; Technology</li> <li>International Conference on Tribology, TRIBOINDIA-2018</li> <li>International conference on Advances in Thermal Systems, Materials and Design Engineering</li> <li>International Conference on Global Technology Initiatives</li> </ol> <p>Books/Book Chapters</p> <ol style="list-style-type: none"> <li>e-Book Chapter Review : “Impulse Turbine” in eBook entitled: “ Hydraulic Power Plants Including Solved Problems”</li> <li></li> </ol>		
<p>Patents/Copy Rights</p> <ol style="list-style-type: none"> <li>-</li> <li>-</li> <li>-</li> </ol>		
No of Research / consultancy / projects completed: 06 Rs: <u>Student Internship Project</u>	No of Research / consultancy / projects on-going: 03 Rs: _____	No of Research / consultancy / projects on applied as on date: 03 Rs: _____
<p>Details of Research / consultancy / projects:</p> <p>Completed</p> <ol style="list-style-type: none"> <li>Technical Academic Project With Elmach Packaging, Mumbai</li> <li>Technical Academic Project With Nandan GSE, Mumbai</li> <li>Technical Academic Project With Forcyst Engg Mumbai</li> <li>Technical Academic Project with TATA Elxsi Bangalore</li> <li>Technical Academic Project with CTARA, IIT Bombay</li> <li>Technical Academic Project with Godrej Aerospace Vikhroli , Mumbai</li> </ol> <p>On-going</p> <ol style="list-style-type: none"> <li>Technical Academic Project With Nandan GSE, Mumbai</li> <li>Technical Academic Project With Elmach Packaging, Mumbai</li> <li>Technical Academic Project with Godrej Precision Engineering, Mumbai</li> </ol> <p>Applied</p> <ol style="list-style-type: none"> <li>Technical Academic Project With VJTI, Mumbai</li> <li>Technical Academic Project With Somaiya School of Design</li> </ol>		

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3. Technical Academic Project With riidl, SVU, Mumbai
IPR/ Copyrights
1. -
2. -

<b>FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered</b>
<p><b>Attended</b></p> <ol style="list-style-type: none"> <li>1. Workshop on Introduction to Research Methodologies ( 2-Week)</li> <li>2. Machine Design Practices ( 2-Week)</li> <li>3. STTP on Sensor, IoT &amp; Machine Learning ( 1-Week)</li> <li>4. Short Time Training Program on " MATLAB for ALL" ( 1-Week)</li> <li>5. Webinar on Sustainability in Product Design</li> <li>6. Faculty Development Program on "Recent Advances in Mechanical Engineering: A Research Perspective" ( 1-Week)</li> <li>7. Solar Energy Technologies: Strengths &amp; Challenges</li> <li>8. CFD Simulation using Ansys – Basic Course ( 2-Week)</li> <li>9. Faculty Development Program (FDP) on Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes</li> <li>10. Webinar on Design –Past, Present and Future</li> <li>11. self-paced training course : MATLAB Onramp</li> <li>12. Faculty Development Program on "INDUSTRY 4.0 – A VISION OF DESIGN AND MANUFACTURING" ( 1-Week)</li> <li>13. Refresher program on "Sustainable Product Design and Manufacturing" ( 1-Week)</li> <li>14. Workshop on Learning Outcomes based Curriculum Framework (LOCF)- Train the trainers</li> <li>15. Faculty Development Programme on "ADVANCES IN COMPOSITE MATERIALS AND MANUFACTURING PROCESS" ( 1-Week)</li> <li>16. Webinar on "A Practical Approach on Industry 4.0 &amp; it's Implementation in Smart Factories"</li> <li>17. Webinar on "How To Develop Effective Research Skills"</li> <li>18. Webinar on "IIoT for Brownfield &amp; Greenfield Projects"</li> <li>19. Webinar on "Challenges in Science Education and Research in the COVID-19 Scenario"</li> <li>20. Webinar on "Drone and Automation"</li> <li>21. Workshop on "INTRODUCTION TO BLOCKCHAIN"</li> <li>22. 3 Month Course on "Online Teaching"</li> <li>23. Symposium on "Awareness to action - Single Use Plastic"</li> <li>24. Webinar on "Machine Automation in Packaging (Industries: Pharma/Food/Cosmetics)"</li> <li>25. Webinar on "Learning Locally, Impacting Globally : Role of people &amp; technology in building the economy"</li> <li>26. NPTEL course Equipment Design : Mechanical Aspects (4 Weeks)</li> </ol>
<p><b>Organized</b></p> <ol style="list-style-type: none"> <li>1. Industry training Program in Mechatronics and Control</li> <li>2. Short Term Training Program, conferences and workshop               <ul style="list-style-type: none"> <li>- Engg. Mechanics (Training for the Trainers)</li> <li>- FEA &amp; its Applications</li> <li>- Bio-Diesel &amp; their Applications</li> <li>- Automobile Technology</li> <li>- Renewable Energy Sources</li> <li>- Fluid Power Technology</li> <li>- Industrial Tribology</li> <li>- CAD/CAM &amp; its Application</li> </ul> </li> <li>3. National Conference on Fluid Machinery (3- Days) as a Joint organizing seceratary</li> <li>4. Member of organizing Team: Tribo-India-2018</li> <li>5. Member of organizing Team</li> </ol>
<p><b>Delivered</b></p> <ol style="list-style-type: none"> <li>1. Talk on Fluid Film Lubrication in Faculty Development Program</li> <li>2. Talk on Wind Energy as a Source of Power Generation</li> </ol>

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<b>Notable Key Scholastic Achievements</b>	
1.	Judge during the “National Level Technical Paper Presentation Conference” at Veermata Jijabai Technological Institute (VJTI), Mumbai conducted by ASME VJTI
2.	Reviewer of reputed international journals and conference proceedings

<b>Notable Positions and Responsibility</b>	
1.	Head of Dept. (Mech) at KJSCE
2.	Associate Dean (Academic Program) at KJSCE
3.	Secretary and Chairman I.S.T.E. College Chapter at KJSCE
4.	SVU – Branding and PR activity
5.	Rector- SVU Hostel
6.	Coordinator (Mech)-Industry Institute Board
7.	Member Board of Management – KJSCE
8.	Member H R Committee - KJSCE

**Date: 06 / 02 / 2023**

**Signature of Faculty Member**