Faculty Details

Personal Information:

Name of the Faculty : Dr. Ajay Kisanrao Waghmare

Date of Birth : 09/05/1971 Gender : Male

Educational Qualification: M.Tech (Design), PhD

Category: SC

Department: Mechanical Engineering Post: HOD (Mechanical Dept.)

Date Of Appointment : 17/02/1995 Date Of Institute Joining: 01/10/2019

Email : ajaykishwagh@yahoo.co.in Mobile No. : 8276827567

Address : Sneh Nagar, Beed

Working Experience in Years:

Total Experience :

1) Teaching : 24 2) Industry :00 Years 3) Others :00 4) Research :03 Years

Area of Specialization:

Machine Design, Contact analysis

Subjects Taught:

1. Machine Design
2. Mechanical Measurements
3. Thermal Engineering
4. Fluid Mechanics
5. Theory of Machines

Paper Published Details:

Sr. No.	Name of International Conference /Journal	Title of Paper	Status
01	Journal of Physics: Conference Series 738 (2016) 012116 (5th International Conference on Mathematical Modeling in Physical Sciences (IC-MSquare 2016) IOP Publishing)	Adhesive friction based on finite element study and n-point asperity model	Prasanta Sahoo and Ajay K Waghmare
02	Proc IMechE Part J: J Engineering Tribology 2016, Vol. 230(10) 1258–1272 ! IMechE 2016	Friction analysis at elastic-plastic contact of rough surfaces using n-point asperity model	
03	International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS), 4(1), 1-24.	Adhesive Wear Based on Accurate FEA Study of Asperity Contact and n-Point Asperity Model	Waghmare, A. K., & Sahoo, P. (2016).
04	International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS), 2(2), 1-22.	Elastic-Plastic Adhesive Contact of Rough Surfaces Based on Accurate FEA Study Using n-Point Asperity Model.	Waghmare, A. K., & Sahoo, P. (2014).
05	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 230(10), 1258-1272.	Friction analysis at elastic-plastic contact of rough surfaces using n-point asperity model.	Waghmare, A. K., & Sahoo, P. (2016)
06	International Frontier Science Letters ISSN: 2349-4484, Vol. 11, pp 1-28	Adhesive Friction Based on Accurate Elastic-Plastic Finite Element Analysis and n-Point Asperity Concept.	Waghmare, A. K., & Sahoo, P.
07	Engineering Science and Technology, an International Journal, 18(3), 463-474.	Adhesive friction at the contact between rough surfaces using n-point asperity model.	Waghmare, A. K., & Sahoo, P. (2015).
08	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 8 (2015)	Resolving the anomaly in n-point asperity model for elastic-plastic contact of rough surfaces	Waghmare, A. K., & Sahoo, P. (2015).
09	Procedia Materials Science, 5, 1716-1725.	A Study of Elastic-plastic Contact of Rough Surfaces Using N-point Asperity Model.	Waghmare, A. K., & Sahoo, P. (2014).

Training / Workshop/Seminars/Conferences Attended Details:

- INTERNATIONAL CONFERENCE ON MODELING OPTIMIZATION AND COMPUTING (ICMOC 2014) ORGANISED BY DEPARTMENT OF MECHANICAL ENGINEERING, NOORUL ISLAM UNIVERSITY, KUMARACOIL, KANYAKUMARI, 10TH & 11TH APRIL 2014
- INTERNATIONAL CONFERENCE ON COMPUTING IN MECHANICAL ENGINEERING (ICCME 2015), SCMS, ALUVA, KOCHI

Manuscript Reviewed:

- **1)** JET-17-0264 "Frictional heating calculation and experiment in rough surface of sintered iron" for Journal of Engineering Tribology, SAGE PUBLICATIONS.

Achievements:

- Successfully defended NBA team as an HOD at G. P. Murtizapur on 25-27 Sept 2019 and received 3 years accreditation.
- Received PhD on 08/08/2016 from Jadavpur University, Kolkata.