

Name of Research Centre : Mechanical Engineering

Date of Permission for Research Centre: Reference letter CA/543 Dated 17/05/2021

Sr. No.	Name of Guide	Name of the scholar	Year of registration	Date of Registration	Title of the thesis of the for scholar	Title Approval No:	Category	Date of PhD Awarded/ Pursing
1	Dr. Jayant H. Bhangale	Kiran. A. Chaudhari	2021	5/5/2022	Tribological behavioural analysis of materials under static and dynamic load conditions	Ref. No.: PGS/Ph.D/252 Date :12/01/2023	OPEN	29/01/2026
2	Dr. Jayant H. Bhangale	Sandip Subhashrao Patil	2021	5/5/2022	Design and Development of modular compartment for safe transportation of Cattels.	Ref. No.: PGS/Ph.D/252 Date :12/01/2023	OBC	23/01/2026
3	Dr. R. G. Tated	Bharat Namdev Kharad	2021	5/5/2022	Optimization of Parameters for Performance Improvement of Hydrodynamic Tilting Pad Journal Bearing	Ref. No.: PGS/Ph.D/252 Date :12/01/2023	OPEN	Transfer to SNJB COE
4	Dr. N. C. Ghuge	Vinaykumar Chandrakant Jadhav	2021	5/5/2022	Design and Development of Mechanism for Vegetable Seedling Transplantation Process.	Ref. No.: PGS/Ph.D/252 Date :12/01/2023	OPEN	Pursuing
5	Dr. Jayant H. Bhangale	Bhor Janardhan Kashinath	2021	7/9/2022	Experimental analysis of Ferro fluid's effect on the performance of parabolic trough solar collector	Ref. No.: PGS/5026 Date :01/01/2024	EWS	Pursuing
6	Dr. N. C. Ghuge	Karandikar Pratibha Maganrao	2022	7/9/2022	Performance Characterization of Poly-Ether Ether Ketone (PEEK) Reinforced With Glass Fiber and Solid Lubricants for Sliding Application	Ref. No.: PGS/5026 Date :01/01/2024	SBC	Pursuing
7	Dr. N. C. Ghuge	Aher Harshal Ramesh	2022	7/9/2022	Experimental Investigation of Fault Diagnosis of Rolling Bearing for Effective Condition Monitoring.	Ref. No.: PGS/5026 Date :01/01/2024	OPEN	Pursuing
8	Dr. D. D. Palande	Ghodake Arvind Parashram	2022	7/9/2022	“Investigation of Burnishing Process for Performance Improvement of Aluminium Alloy AA6063”	Ref. No.: PGS/5026 Date :01/01/2024	OBC	Pursuing
9	Dr. Jayant H. Bhangale	Ankita Kailas Patil	2022	6/6/2023	Performance Analysis of Hybrid Biodiesel Blends with Nano Additive in Diesel Engine having Variable Compression Ratio.	Ref. No.: PGS/5026 Date :01/01/2024	OPEN	Pursuing

10	Dr. Jayant H. Bhangale	Deepak Padmakar Patil	2022	6/6/2023	Analysis of Environment Friendly Cellulose Fibre Insulation for Low Thermal Conductivity Insulation Structure.	Ref. No.: PGS/5026 Date :01/01/2024	OBC	Pursuing
11	Dr. D. D. Palande	Chandrakant Kisan Bhosale	2022	6/6/2023	Performance Evaluation of Cooling Pad with Different Material Composition in Evaporative Air Cooling.	Ref. No.: PGS/5026 Date :01/01/2024	OBC	Pursuing
12	Dr. D. D. Palande	Vaibhav Gajanan Kshatriya	2022	6/6/2023	An Experimental Study on Mechanical Properties of Natural Fiber Composites for Automobile Interior Application	Ref. No.: PGS/5026 Date :01/01/2024	OPEN	Pursuing
13	Dr. R. G. Tated	Manish Laxman Mohite	2022	6/6/2023	Performance Analysis of Waste Cooking Oil with Nano Additives in Diesel Engine having Variable Compression Ratio.	Ref. No.: PGS/5026 Date :01/01/2024	SC	Pursuing
14	Dr. Jayant H. Bhangale	Nitin Vinayakrao Lokare	2022	21/8/2023	Optimization of hardening Process Parameters with respect to Wear Properties of Cast Iron Automotive Components.	Ref. No.: PGS/374 Date :30/01/2024	SBC	Pursuing
15	Dr. Jayant H. Bhangale	Pradyumna Mulchand Bora	2022	21/8/2023	Exploring the Impact of Industry 4.0 Technology on Lean System in Food Processing Industries.	Ref. No.: PGS/374 Date :30/01/2024	OPEN	Cancelled
16	Dr. D. D. Palande	Dnyaneshwar Hari Chavhan	2022	21/8/2023	Experimental Investigation and Optimization of Wire Electrical Discharge Machining process parameters.	Ref. No.: PGS/374 Date :30/01/2024	ST	Pursuing
17	Dr. N. C. Ghuge	Yogita Uttamrao Medhane	2022	21/8/2023	Parametric Analysis of Minimum Quantity Lubrication - Turning Process using Non-Edible Oil as a Cutting Fluid.	Ref. No.: PGS/374 Date :30/01/2024	OPEN	Pursuing
18	Dr. N. C. Ghuge	Lalit Balasaheb Chintamani	2025	15/04/2025	Performance Evaluation of a Spherical Solar Dryer with Rotating Trays for Drying Agricultural Products	Ref. No.: PGS/ST/25/0059 Date :05/01/2026	OBC	Pursuing
19	Dr. N. C. Ghuge	Satish Vijayrao Dawange	2025	15/04/2025	Machine Learning-Based Optimization of Fused Deposition Modeling (FDM) Process Parameters for 3D Printing	Ref. No.: PGS/ST/25/0037 Date: 18/12/2025	OPEN	Pursuing

20	Dr. D. D. Palande	Ganesh Balasaheb Mhaske	2025	15/04/2025	“Performance Evaluation of a Gasketed Plate Heat Exchanger Using Nano-fluid With Different Chevron Angle	Ref. No.: PGS/ST/25/0058 Date :05/01/2026	OBC	Pursuing
21	Dr. D. D. Palande	Manoj Kacheshwar Ghode	2025	15/04/2025	Experimental Investigation of the Effect of Vibrations on the Performance of Heat Exchanger with Inserts	Ref. No.: PGS/ST/25/0158 Date :05/01/2026	OPEN	Pursuing