

Details of Patents														
Academic Year	Faculty PI	Faculty/Students Details	Department	Patent Type	Patent Title	Patent Agency	Application No	Patent File Date	Published Date	Published Reference	Patent No	Granted date	Grated Reference	Current Status
2025-26	Dr. Khond M P	MS. NEHA VINAY BAGANE	Mechanical Engineering	Design Patent	FOLDABLE ELECTRIC SCOOTER		202021015247.00	07-04-2020	24-09-2025		571103	26-09-2025		Granted
2025-26	Dr. Selmokar P H	Nitinkumar Raghunath Anekar, Nitin Satpute	Mechanical Engineering	Design Patent	Fluid-Amplified Sliding Contact Mode Triboelectric Nanogenerator Insole for Human Motion Sensing and Energy Harvesting.		202521107114.00	05-11-2025	26-12-2025					Published
2025-26	Dr. Pise U V				Shock Absorbing Material for Packaging		425303-001	30-07-2024	18-02-2026		224416			Granted
2024-25	Dr. Chougule N K	Dr. Chougule N K	Mechanical Engineering	Design Patent	A MULTIPLE DEGREES-OF-FREEDOM, TENDON-ACTUATED, ROBOTIC TENTACLE ARM SYSTEM		202321006687.00	02-02-2023	09-08-2024	E-11/92/2023/MUM				Published
2024-25	Dr. Pise U V		Mechanical Engineering	Design Patent			425303-001							Applied
2024-25	Dr. Ohol S S		Mechanical Engineering	Design Patent	AN IN-PIPE INSPECTION ROBOTIC SYSTEM		202121031359.00	13-07-2021	13-01-2023		566978	30-05-2025		Granted
2024-25					Modular Test Ring for Evaluating Triboelectric Nanogenerator Performance Across Diverse Operating Modes		202521045210.00	09-05-2025						Filed
2024-25	Dr. Selmokar P H	Nitinkumar Raghunath Anekar, Nitin Satpute	Mechanical Engineering	Design Patent	TRIBOELECTRIC NANOGENERATORS TESTING DEVICE		IN/PCT/2001/01011/MUM	15-04-2025	17-07-2025		204753	17-07-2025		Granted
2024-25	Dr. Selmokar P H	Nitinkumar Raghunath Anekar, Nitin Satpute	Mechanical Engineering	Design Patent	MODULAR TEST RIG FOR EVALUATING TRIBOELECTRIC NANOGENERATOR PERFORMANCE ACROSS DIVERSE OPERATING MODES		2.02521E+11	07-10-2025	04-07-2025					Published
2023-24	Dr. Khond M P	Aayush Kaul, Juber Firoj Shaikh, Salman Shakil Shaikh, Sohel Shakil Shaikh, Vivekanand Arun, Naikwadi	Mechanical Engineering	Design Patent	A MECHANISM FOR STABILIZING OSCILLATIONS OF PASSIVE YAW IN WIND TURBINES		202121027003 A	17-06-2021	16-07-2021	E/12/928/2021/MUM	495959	08-01-2024		Granted
2023-24	Dr. Chougule N K	Dr. Chougule N K	Mechanical Engineering	Design Patent	A ROTARY RAKE MACHINE WITH A HYDRAULIC POWER TRANSMISSION AND TINE ARM TORQUE CONTROL	Chiraj Tanna	202221036879.00	28-06-2022	29-12-2023					Published
2023-24	Dr. Khond M P	Vivekanand Naikwadi, Mr. Milind Vasekar	Mechanical Engineering	Design Patent	Design & Development of Compact Temp Indicator devising disc pads in Modern vehicles		202021039875.00	15-09-2020	06-11-2020					Published
2023-24	Dr. Chougule N K	Dr. Bharatkumar Bhagatraj Ahuja, Dr. Kashinath Sahoo	Mechanical Engineering	Design Patent	Dynamic Splint for Clubfoot Treatment			28-02-2024			6349635	08-03-2024		Granted
2023-24	Dr. Khond M P	1. SHRIKANT AJAYANAN DESHMUKH 2. SUBODH SANJIVAN DHASE 3. MOHAN PANDURANG KHOND 4. RANJEET AJAMAL JADHAV 5. ARNAV BHARGAV BHAMBURKAR	Mechanical Engineering	Design Patent	FOOTSTEPS ACTIVATED ENERGY HARVESTING DEVICE		202121053503.00	22-11-2021	14-01-2022		530628	05-04-2024		Granted
2023-24	Prof. Nandgaonkar M R	Apte Alok Ashish, Shaikh Hamdaan Asif, Kadam Vijay Ganpat, Shinde Ganesh Gopal, Kothawade	Mechanical Engineering	Design Patent	AN INTAKE SYSTEM FOR A TURBOCHARGED ENGINE		201921010780.00	20-03-2019	25-09-2020		496220	08-01-2024		Granted
2023-24	Dr. Yogesh Bhatেশwar	The Automotive Research Association of India (ARAI)	Mechanical Engineering	Design Patent	A SYSTEM FOR NAVIGATING AN AGRICULTURAL VEHICLE		202121018930.00	23-04-2021	28-10-2022		497883	19-01-2024		Granted
2023-24	Dr. Ohol S S	COLLEGE OF ENGINEERING	Mechanical Engineering	Design Patent	NON-CONVENTIONAL CALIBRATION SYSTEM FOR INDUSTRIAL ROBOTS		202121012080.00	22-03-2021	23-09-2022		511178	15-02-2024		Granted
2023-24	Prof. Nandgaonkar M R	COLLEGE OF ENGINEERING	Mechanical Engineering	Design Patent	AN AGRICULTURAL HARVESTING MACHINE		202121037375.00	18-08-2021	24-02-2023		580054			Granted
2022-23	Dr. Pardeshi S S	Sujit S. Pardeshi, Abhishek Patange, Devid Sawarkar, and Siddhesh Vishwambher	Mechanical Engineering	Design Patent	Photovoltaic Charging Approach for energy recovery automobiles		202221065365.00	15-11-2022	23-12-2022					Published
2022-23	Prof. Sapali S N	Deshmukh Avinash Madhukarrao	Mechanical Engineering	Design Patent	ENERGY EFFICIENT MULTIPURPOSE MIST SPRAY EVAPORATIVE COOLER		201621035369.00	17-10-2016			406729	15-09-2022		Granted

2022-23	Dr. Ohol S S	ATUL GARGADE	Mechanical Engineering	Design Patent	An Autonomous in-pipe inspection robotic system Non-Conventional Calibration System For Industrial Robots	202121031359.00		13-01-2023					Published
2022-23	Prof. Sapali S N	2. AHUJA BHARATKUMAR BHAGATRAJ 3 . AVINASH M. DESHMUKH 4 . KALE SANDIP ACHUTRAO	Mechanical Engineering	Design Patent	MIST NOZZLE AND METHOD OF MAKING THE SAME	2035/MUM/2015		05/06/2015		415985	29-12-2022		Granted
2021-22	Dr. Chougule N K	Dr. Chougule N K	Mechanical Engineering	Design Patent	Performance Enhancement of Rotary Rake Machine for Sugarcane Trash Collection								Filed
2021-22	Dr. Khond M P	Dr. Khond M P	Mechanical Engineering	Design Patent	Rotary rake machine with a hydraulic power transmission and tine arm torque control								Filed
2021-22	Prof. Mohite S S	Vinayak P. Gaikwad	Mechanical Engineering	Design Patent	Micro-channel heat-exchanger inspired by leaf-venation for electronic cooling	3754/MUM/2015	10-01-2015	30-10-2015		390617	28-02-2022		Granted
2021-22	Prof. Sapali S N	Dr. B. B. Ahuja, A. M. Deshmukh, S. N. Kale	Mechanical Engineering	Design Patent	Solar Operated Multipurpose Mistspray Generator Machinery	2.01621E+11	17-10-2016	28-10-2016		393696	30-03-2022.		Granted
2021-22	Prof. Sapali S N	Dr. Sandeep Kale	Mechanical Engineering	Design Patent	Unidirectional Wind Turbine	409/MUM/2013	12-02-2013	29-09-2021		378209	29-09-2021		Granted
2021-22	Prof. Nandgaonkar M R		Mechanical Engineering	Design Patent	A Battery Pack with an In-Built Refrigerant Based Thermal Management System	202221035674.00	22-06-2022	29-12-2023	TEMP/E-1/40087/2022-MUM				Published
2021-22	Prof. Nandgaonkar M R		Mechanical Engineering	Design Patent	Wind turbine blade	363646-001	01-05-2022						Filed
2021-22	Prof. Nandgaonkar M R	Sohail Shaikh, Salman Shaikh, Ayush Kaul, P. R. Dhamangaonka.	Mechanical Engineering	Design Patent	A novel apparatus for determination of thermal conductivity of volatile liquids								Filed
2021-22	Dr. Ohol S S	Mr. Pankaj Aaglawe	Mechanical Engineering	Design Patent	Automated bone alignment of straight bone fracture using Biomedical Instrumentation	202121047545.00	19-10-2021	21-04-2023					Published
2020-21	Dr. Ohol S S	Banerjee Siddharth Sudhir, Kulkarni Shreyas Bhalchandra, Junghare Sarang Sahebrao	Mechanical Engineering	Design Patent	An Arrangement To Maintain Stability Of A Body Mounted On A Rocker-Bogie Mechanism	2212/MUM/2014	07-07-2014	19-03-2021		362205	19-03-2021	22112492	Granted
2020-21	Dr. Suryawanshi S D	Dr. Suryawanshi S D(not working in this year)	Mechanical Engineering	Design Patent	Multipurpose cooling apparatus	2185/MUM/2010	08-02-2011	27-04-2012		356049	19-01-2021		Granted
2020-21	Dr. Pardeshi S S	Pardeshi Sujit S, Deshmkh Bhagyesh Balawantrao, Marathe Parag Bapu, Rathod Snil Damoder	Mechanical Engineering	Design Patent	System and Method for Development of Automated compliant mechanism based optical fiber splicing device	201921008868.00	07-03-2019	08-01-2021					Published

