**Patents granted**

Updated on 15/2/24

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| **Name of Faculty** | **Title/s of Patent** | **Status of patent** |
| Dr Kshitija Kadam | Composition to improve the growth and quality of turmeric rhizomes | Granted  21/11/23 |
| Dr. Kiran Tajne | Smart Composite Bin, Design Application No.- 402171-001 | Granted  09/02/24 |
| Praful Nandankar | Wind and Solar Power Charging Station, Design Application No.- 400185-001 | Granted  08/01/24 |
| Praful Nandankar | Solid Waste Management, Design Application No.- 401261-001 | Granted  09/02/24 |
| Praful Nandankar | Electrical Oven, Design Application No.- 400550-001 | Granted  19/01/24 |
| Ashwinkumar A. Gawai | Nozzle for Irrigation, Design Application No.- 399330-001 | Granted  10/01/24 |
| Praful Nandankar | Portable Solar Dryer for vegetables, Design Application No.-392018 | Granted  25/10/23 |
| Dr. Latesh Malik | Wearable Drowning Rescue Device, Design Application No.- 398358-001 | Granted  14/12/23 |
| Anmol Amit Moray | Data Processing Unit for Data Handling, Design Application No.- 401259-001 | Granted  09/02/24 |
| Praful Nandankar | Solar Powered Fan, Design Application No.-394777-001 | Granted  09/09/23 |
| Dr Kshitija Kadam | Portable Noise Barrier, Design Application No. 393386-001 | Granted  22/08/23 |
| Praful Nandankar | Solar Heater, Design Application No.-391954-001 | Granted  04/08/23 |
| Dr Kshitija Kadam | Multifunctional Door and Table, Design Application No.- 389394-001 | Granted  30/06/23 |
| Dr Kshitija Kadam | Study Table, Design Application No. 382527-001 granted on 24/5/3023 | Granted 24/5/23 |
| Praful Nandankar | Smart Multipurpose Walking Stick-Design Registration, Design No.: 379477-001 | Granted  12/5/23 |
| Dr. Rajeshree D. Raut | A real-time EGG data compression and transmission for remote patient monitoring system | Granted 10/5/23 |
| Praful Nandankar | Solar Tree-Design Registration, Design No.: - 379279-001 | Granted  28/4/23 |
| Praful Nandankar | Solar Panel with Circular Reflector-Design Registration, Design No.: -369046-001 | Granted  24/3/23 |
| Dr Latesh Bhagat | A system and method to prohibit mosquito bleeding | Granted  14/2/23 |
| Praful Nandankar | Human Psychology Optimization Based Adaptive Frequency Optimization Control System on Buck Converter (German Patent) | Granted  27/2/23 |
| Praful Nandankar | Agricultural Robot-Design Registration, Design No.: -372900-001 | Granted  2/2/2023 |
| Praful Nandankar | Solar Powered Smart Grass Cutting Machine-Design Registration, Design No.: - 373305-001 | Granted  13/1/23 |
| Praful Nandankar | Smart Hydro Tri Tire Car-Design Registration, Design No.: -346717-001 | Granted  13/1/23 |
| Praful Nandankar | Smart Electromechanical Motorcycle-Design Registration, Design No.: -347411-001 | Granted  12/1/23 |
| Praful Nandankar | Smart Portable Glass Breaking Machine, Design Application No.-6251514 (UK Design Patent) | Granted  12/1/23 |
| Praful Nandankar | A Robotic Pool Skimmer Unit-Design Registration, Design No.: -348760-001 | Granted  16/12/22 |
| Praful Nandankar | Service Robot for Covid-19 Isolation Ward-Design Registration, Design No.: - 363974-001 | Granted  7/10/22 |
| Praful Nandankar | Solar Powered Smart Grass Cutting Machine -Design Registration | Granted  Oct 2022 |
| Praful Nandankar | Intelligent System for Automatically Identifying Electric Vehicle Charging Voltage using Artificial Intelligence & Machine Learning, Patent Application No.-202022100 283.5 (German Patent) | Granted  28/1/22 |
| Dr S A Tekade | Stapler and Adhesive Tape Unit Set -Design Registration | Granted  Aug 2021 |
| Dr U S Wankhede | Selection of Capillary Tubes in Refrigeration Appliances | Granted  Mar 2022 |
| Praful Nandankar | An Internet of things-based civil engineering water pump with an embedded solar system | Granted  Aug 2021 |
| Praful Nandankar | An Efficient Coverage Management for Smart IOT Applications. | Granted  Apr 2021 |
| Praful Nandankar | Renewable Wind Power through Modified Wind Turbine Rotor for Optimal Power Management in Smart Cities. | Granted  Apr 2021 |
| Praful Nandankar | The apparatus and system for smart firefighter device | Granted  Oct 2021 |
| Praful Nandankar | IoT-based corrosion control and electrolyte monitoring in lead-acid batteries | Granted  June 2021 |
| Praful Nandankar | Smart Electromechanical Motorcycle -Design Registration | Granted  Aug 2021 |
| Praful Nandankar | A robotic pool Skimmer Unit -Design Registration | Granted  Sep 2021 |
| Praful Nandankar | Smart Hydro Tri Tire Car-Design Registration | Granted  Jul 2021 |
| Praful Nandankar | A blockchain- IOT based Patient Monitoring System | Granted  Mar 2022 |
| Dr Kshitija Kadam | A high-strength geopolymer concrete composition and a method to produce the high strength geopolymer concrete | Granted  Aug 2021 |
| Jasmirkaur Randhawa | Mixed Potential Electrochemical CO2 Gas Sensor | Granted  Dec 2019 |
| Dr R B Borkar | Innovative method of biodegradation of Chlorobenzenes using UASB reactor, Application No.392/MUM/2010A; Granted on 11/04/2014 and published on 18/04/2014. | Granted  Apr 2014 |
| Dr Prashant B Daigavane | Improved foundation system for Black cotton soils & the like | Granted  Dec 2005 |