**Patent Filed & Published**

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| **Name of Faculty** | **Title/s of Patent** | **Status of patent** |
| Dr. S.A.Tekade | Smart Device for water-saving cooler | Filed  26/5/23 |
| Praful Nandankar | Smart Device for water-saving cooler | Filed  26/5/23 |
| Praful Nandankar | Automatic Solar Panel Cleaning Robot | Filed  11/5/23 |
| Praful Nandankar | Smart Grass-cutting system | Filed  4/5/23 |
| Dr. N.D Ghawghawe | Reflector Assembly for Solar Panel | Filed  28/4/23 |
| Praful Nandankar | IoT based Water Supply and Sewage Monitoring System | Published  17/2/23 |
| Praful Nandankar | An IoT Based Smart Plant Monitoring and Control System | Published  30/12/22 |
| Praful Nandankar | Hybrid Renewable Energy System for IoT-enabled Smart Campus | Published  23/9/22 |
| Praful Nandankar | Machine Learning & IoT-Based Renewable Energy in Smart Grids | Published  24/6/22 |
| Praful Nandankar | A smart Solar Charge Controller System using IoT | Published  4/3/22 |
| Praful Nandankar | An IoT-based system for Water Quality Monitoring and Management in Wastewater Treatment Plants. | Published  Mar 2021 |
| Praful Nandankar | Design and Development of SCADA System for Automated Solar Powered Pump. | Published Mar 2021 |
| Praful Nandankar | Autonomous Food Serving Robot in Train Car | Published  Apr 2021 |
| Praful Nandankar | Reduction of Power Consumption in IoT devices using Nano bridge switch | Published |
| Praful Nandankar | IOT based Pandemic related Smart room disinfecting system. | Published  Apr2021 |
| Praful Nandankar | A Smart Water Quality and Fish Behaviour Monitoring Aquafarming System and a Method Thereof | Published |
| Praful Nandankar | Smart waste monitoring and control system using IOT | Published Aug 2021 |
| Praful Nandankar | IoT based smart system to monitor and control electric appliances | Published  Oct 2021 |
| Praful Nandankar | The autonomous robot for pick-up shopping cart items | Published Oct 2021 |
| Praful Nandankar | Implementation of human health monitoring system using IoT | Published  Nov 2021 |
| Dr. Rajeshree D. Raut | Disaster Management System using Wireless Sensor Network | Filed |
| Dr. Rajeshree D. Raut | Universal Source coder for SDR in cognitive radio (IDEA PATENT) | Published |
| Dr. Rajeshree D. Raut | Adaptive Modulator for Software Defined Radio in Cognitive Environment” in the Communication Field | Published |
| Dr. Rajeshree D. Raut | Asthma Detector Using Fuzzy Neural based ASR System | Published |
| Dr. Rajeshree D. Raut | 21st Century’s Smart Voting System For India(Idea Patent | Published |
| Dr Kshitija Kadam | Interface layer concrete pavement slab and sub base (DLC) or subgrade | Published |
| Dr Nitin D Ghawghawe | Design of TCSC for Power System Congestion Management | Published |
| Dr. Sunil S. Pusadkar | Load Application System for Different Configuration of Multiple Footings | Published |
| Monica Satpute | Perfect steering Mechanism Using Pantograph | Published |
| Dr.Kiran Tajne Asutkar | Smart Compost Bin | Filed |