**Patent Filed & Published**

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| --- | --- | --- | --- |
| **Name of Faculty** | **Number of patents** | **Title/s of Patent** | **Status of patent** |
| Praful Nandankar | 10 | An IoT based system for Water Quality Monitoring and Management in Wastewater Treatment Plants. | Published |
| Design and Development of SCADA System for Automated Solar Powered Pump. | Published |
| Autonomous Food Serving Robot in Train Car | Published |
| Reduction of Power Consumption in IoT devices using Nano bridge switch | Published |
| IOT based Pandemic related Smart room disinfecting system. | Published |
| A Smart Water Quality and Fish Behaviour Monitoring Aquafarming System and a Method Thereof | Published |
| Smart waste monitoring and control system using IOT | Published |
| IoT based smart system to monitor and control electric appliances | Published |
| The autonomous robot for pick-up shopping cart items | Published |
| Implementation of human health monitoring system using IoT | Published |
| Dr. Rajeshree D. Raut | 6 | Disaster Management System using Wireless Sensor Network | Filed |
| A real time data compression and transmission for remote patient monitoring system (IDEA patent) | Published |
| Universal Source coder for SDR in cognitive radio (IDEA PATENT) | Published |
| Adaptive Modulator for Software Defined Radio in Cognitive Environment” in the Communication Field | Published |
| Asthma Detector Using Fuzzy Neural based ASR System | Published |
| 21st Century’s Smart Voting System For India(Idea Patent | Published |
| Dr Kshitija Kadam | 1 | Interface layer concrete pavement slab and sub base (DLC) or subgrade | Published |
| Dr Nitin D Ghawghawe | 1 | Design of TCSC for Power System Congestion Management | Published |
| Dr. Sunil S. Pusadkar | 1 | Load Application System for Different Configuration of Multiple Footings | Published |
| Dr.Kiran Tajne Asutkar | 1 | Smart Compost Bin | Filed |
| Monica Satpute | 1 | Perfect steering Mechanism Using Pantograph | Filed |