

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)
1	202321082864	Published	Dr. S.P. Jolhe	Solid State Circuit Breaker for Nanogrid	Dr. S.P. Jolhe	05-12-23	29-12-23	202321082864	Government College of Engineering, Nagpur
2	202341075894	Published	Praful Nandankar	A Secure Architecture using Block Chain Technology for shared Electric Vehicle Charging	Praful Nandankar	07-11-23	15-12-23	202341075894	Government College of Engineering, Nagpur
3	202023105484	Granted	Dr. Kshitija N. Kadam	Composition to improve the growth and quality of turmeric rhizomes	Dr. Kshitija N. Kadam	20-09-2023	02-10-2023	202023105484	Government College of Engineering, Nagpur
4	202341044371	Published	Praful Nandankar	Intelligent Waste Bin with Sensing and Composting Capabilities for Efficient Solid Waste Management	Praful Nandankar	03-07-23	01-09-23	202341044371	Government College of Engineering, Nagpur
5	202321036665	Published	Dr. S.A.Tekade	Smart Device for water-saving cooler	Dr. S.A.Tekade	26-05-2023	30-06-23	202321036665	Government College of Engineering, Nagpur
6	202321033438	Published	Praful Nandankar	Automatic Solar Panel Cleaning Robot	Praful Nandankar	11-05-23	16-06-23	202321033438	Government College of Engineering, Nagpur
7	202321031918	Published	Praful Nandankar	Smart Grass-Cutting system	Praful Nandankar	04-05-23	16-06-23	202321031918	Government College of Engineering, Nagpur
8	202321031107	Published	Dr. N.D Ghawghawe	Reflector Assembly for Solar Panel	Dr. N.D Ghawghawe	01-05-23	16-06-23	202321031107	Government College of Engineering, Nagpur
9	202023100064	Granted	Praful Nandankar	Human Psychology Optimization (HPO) based Adaptive frequency optimization control (AFOC) on Buck Converter	Praful Nandankar	09-01-2023	27-02-2023	202023100064	Government College of Engineering, Nagpur
10	202341002874	Published	Praful Nandankar	IoT based Water Supply and Sewage Monitoring System	Praful Nandankar	13-01-2023	17-02-2023	202341002874	Government College of Engineering, Nagpur
11	202211025100	Granted	Dr. Latesh Malik	A SYSTEM TO PROHIBIT MOSQUITOES BREEDING BY USING SPRINKLER CHEMICALS	Dr. Latesh Malik	29-04-22	14-02-2023	202211025100	Government College of Engineering, Nagpur
12	202241073517	Published	PRAFUL NANDANKAR	An IOT based smart plant monitoring and control system	PRAFUL NANDANKAR	19-12-2022	30-12-2022	202241073517	Government College of Engineering, Nagpur
13	202241053587	Published	Prof.Praful V. Nandankar	Hybrid Renewable Energy System for IoT enabled Smart Campus	Prof.Praful V. Nandankar	19-09-2022	23-09-2022	202241053587	Government College of Engineering, Nagpur

14	202221032625	Published	Mr. Praful V. Nandankar	Machine Learning & IOT based Renewable Energy in Smart Grids	Mr. Praful V. Nandankar	07-06-2022	24-06-2022	202221032625	Government College of Engineering, Nagpur
15	202121035702	Published	Dr. Shrikant Tekade	EF- BRICK -ROOF TILES: MAKING METHOD AND PROCESSENVIRONMENT-FRIENDLY BRICK AND ROOF TILES	Dr. Shrikant Tekade	07-08-2021	27-05-2022	202121035702	Government College of Engineering, Nagpur
16	2021104030	Granted	Praful Nandankar	A BLOCK CHAIN-IOT BASED PATIENT MONITORING SYSTEM	Praful Nandankar	10-07-2021	23-03-2022	2021104030	Government College of Engineering, Nagpur
17	202241010853	Published	Mr Praful Nandankar	A smart Solar Charge Controller System using IoT	Mr Praful Nandankar	28-02-2022	04-03-2022	202241010853	Government College of Engineering, Nagpur
18	202022100283	Granted	Praful Nandankar	Intelligent System for Automatically Identifying Electric Vehicle Charging Voltage using Artificial Intelligence & Machine Learning	Praful Nandankar	20-01-2022	28-01-2022	202022100283	Government College of Engineering, Nagpur
19	202121054612	Published	Praful V. Nandankar	METHODOLOGY FOR MAKING PERSONALIZED E- LEARNING SYSTEM	Praful V. Nandankar	25-11-2021	10-12-2021	202121054612	Government College of Engineering, Nagpur
20	202141048338	Published	Mr. Praful V. Nandankar	IMPLEMENTATION OF HUMAN HEALTH MONITORING SYSTEM USING IOT.	Mr. Praful V. Nandankar	22-10-2021	05-11-2021	202141048338	Government College of Engineering, Nagpur
21	2021105506	Granted	Praful Nandankar	THE APPARATUS AND SYSTEM FOR SMART FIRE FIGHTER DEVICE	Praful Nandankar	14-08-2021	27-10-2021	2021105506	Government College of Engineering, Nagpur
22	202141046121	Published	Mr.Praful Nandankar	IoT based Smart System to Monitor and Control ElectricalAppliances	Mr.Praful Nandankar	10-10-2021	22-10-2021	202141046121	Government College of Engineering, Nagpur
23	202141043107	Published	Praful Nandankar	Smart Basket: The Autonomous Robot for Pick-up Shopping Cart Items	Praful Nandankar	23-09-2021	01-10-2021	202141043107	Government College of Engineering, Nagpur
24	2021103839	Granted	Praful Nandankar	AN INTERNET OF THINGS BASED CIVIL ENGINEERING WATER PUMP WITH EMBEDDED SOLAR SYSTEM	Praful Nandankar	03-07-2021	11-08-2021	2021103839	Government College of Engineering, Nagpur
25	2021103690	Granted	Kshitija Kadam	A HIGH STRENGTH GEOPOLYMER CONCRETE COMPOSITION AND A METHOD TO PRODUCE THE HIGH STRENGTH GEOPOLYMER	Kshitija Kadam	29-06-2021	11-08-2021	2021103690	Government College of Engineering, Nagpur

26	202121029368	Published	Mr.Praful Nandankar	SMART WASTE MONITORING AND CONTROL SYSTEM USING IOT	Mr.Praful Nandankar	30-06-2021	06-08-2021	202121029368	Government College of Engineering, Nagpur
27	202121028373	Published	Praful Nandankar	BORDER-LESS TRADING SYSTEM USING BLOCKCHAIN TECHNOLOGY	Praful Nandankar	24-06-2021	30-07-2021	202121028373	Government College of Engineering, Nagpur
28	2021101923	Granted	Mr. Praful Nandankar	IOT BASED CORROSION CONTROL AND ELECTROLYTE MONITORING IN LEAD ACID BATTERIES	Mr. Praful Nandankar	14-04-2021	30-06-2021	2021101923	Government College of Engineering, Nagpur
29	202121024437	Published	Praful V Nandankar	REDUCTION OF POWER CONSUMPTION IN IOT DEVICES USING NANO BRIDGE SWITCH	Praful V Nandankar	01-06-2021	25-06-2021	202121024437	Government College of Engineering, Nagpur
30	202141018980	Published	Mr. Praful Nandankar	AUTONOMOUS FOOD SERVING ROBOT IN TRAIN CAR	Mr. Praful Nandankar	24-04-2021	30-04-2021	202141018980	Government College of Engineering, Nagpur
31	2021101571	Granted	PRAFUL NANDANKAR	AN EFFICIENT COVERAGE MANAGEMENT FOR SMART IOT APPLICATION	PRAFUL NANDANKAR	27-03-2021	28-04-2021	2021101571	Government College of Engineering, Nagpur
32	2021101376	Granted	Praful Nandankar	RENEWABLE WIND POWER THROUGH MODIFIED WIND TURBINE ROTOR FOR OPTIMAL POWER MANAGEMENT IN SMART CITIES	Praful Nandankar	17-03-2021	28-04-2021	2021101376	Government College of Engineering, Nagpur
33	202131014648	Published	Praful Nandankar	IOT BASED PANDEMIC RELATED SMART ROOM DISINFECTING SYSTEM	Praful Nandankar	30-03-2021	09-04-2021	202131014648	Government College of Engineering, Nagpur
34	202141010796	Published	Mr Praful Nandankar	AN IOT BASED SYSTEM FOR WATER QUALITY MONITORING AND MANAGEMENT IN WASTEWATER TREATMENT PLANTS DESIGN AND	Mr Praful Nandankar	15-03-2021	19-03-2021	202141010796	Government College of Engineering, Nagpur
35	202121009197	Published	Praful Nandankar	DEVELOPMENT OF SCADA SYSTEM FOR AUTOMATEDSOLAR POWERED PUMP	Praful Nandankar	05-03-2021	12-03-2021	202121009197	Government College of Engineering, Nagpur

36	202141007288	Published	Mr Praful Nandankar	A SMART WATER QUALITY AND FISH BEHAVIOUR MONITORING AQUAFARMING SYSTEM AND A METHOD THEREOF	Mr Praful Nandankar	22-02-2021	26-02-2021	202141007288	Government College of Engineering, Nagpur
----	--------------	-----------	---------------------	---	---------------------	------------	------------	--------------	---