



**IPS ACADEMY**  
**INSTITUTE OF ENGINEERING & SCIENCE**  
(A UGC Autonomous Institute, Affiliated to RGPV)

**PATENT/COPYRIGHT/DESIGN**

Sr. No.	Patent/Copyright	Name	Branch	Year	Status
1	Industrial Water Treatment Machine (424541-001)	Mr. Vikas Vishwakarma	CM	2024	Design Granted 24-7-2024
2	Photo-catalysis Device for wastewater Treatment (423991-001)	Mr. Nitesh Parmar	CM	2024	Design Granted 20-7-2024
3	IOT Enabled Solar Equipment for Solar Energy Collection and Distribution (422071-001)	Mr. Hemant mehar Mr. Kamlesh Gupta	EE	2024	Design Granted (3-7-2024)
4	Concrete Hydraulic Hopper with Lift Mixer Machine. (UK Design- 6375529)	Dr. Mohd. Nasim Mr. Vijay Kumar Baradiya	CE	2024	Design Granted 11-7-2024
5	Machine vision based colorimetric test kit for arsenic identification in water (389145-001)	Dr. Archana Keerti Chowdhary Dr. Devaanshi Jagwani Dr. Mohd. Nasim	CE	2023	Design Accepted Certificate of Design not Generated 29-8-24
6	Foldable solar panel array for Portable energy generation 412006-001	Rina Joshi	Mathematics	2024	Design Accepted and Published, Journal No is 20/2024 and Journal Date is 17/05/2024
7	Safety Helmet for civil engineer 407925-001	Mr. Vijay Kumar Baradiya	CE	2024	Patent Granted (17.02.2024)

8	Light weight high strength paver block (201721019801 A)	Dr. Archana Keerti Chowdhary Dr. Keerti K. Chowdhary Dr. Ashish Nim Mr. Shivam Nema	CE	2024	Patent Granted (2-12-23)
9	Decorative tiles made from waste & broken tiles (201721005607 A)	Dr. Archana Keerti Chowdhary Dr. Keerti K. Chowdhary Dr. Ashish Nim Mr. Shivam Nema	CE	2023	Patent Granted (11-12-23)
10	A Construction Block (201921003257 A)	Dr. Archana Keerti Chowdhary Dr. Keerti K. Chowdhary Dr. Ashish Nim Mr. Vishwas Khurasiya	CE	2023	Patent Granted (25-11-23)
11	Device for electricity generation from wastewater treatment (387460-001)	Dr. Devaanshi Jagwani	CE	2023	Design Accepted and Published <b>01/06/2023</b>
12	Artificial intelligence for ventilator management and optimization in intensive care units ( 202341040672 A)	Dr. Vaishali Gupta	CS	2023	Patent published 30/06/2023
13	Machine Learning Based Approaches for Rainfall Prediction System for Smart Cities (202341041525 A)	Dr. Swati Mehra	CM	2023	Patent published 07/07/2023
14	IoT controlled Charger for Electric Vehicles (379558-001)	Dr. Manish Sahajwani, Mr. Manoj Gupta, Mr. Namrata Nebhnani	EX	2023	Design Accepted and Published 03/02/2023

15	A Microchannel Multiorgan-on-a-chip.	Dr. J.Ponmozhi	ME		Design Applied
16	Machine learning and image processing base approaches for lung tumor classification and prediction (202341037702 )	Dr. Ranjana C. Ahirwar	CM	2023	Patent published 16/06/2023
17	Analysing the impact of copper and bismuth incorporated cations perovskite solar cells by one solution ( 202311004699A)	Dr. Ranjana C. Ahirwar Dr. Smita B. Karmankar	CM	2023	Patent published <b>10/02/23</b>
18	Internet Of Things Based Equipment For Control Of Electric Power (373963-001)	Ms.Namrata Nebhnani, Mr. Hemant Mehar	EX	2022	Design Accepted and Published 03/02/2023
19	Smarter and green energy generation systems using photovoltaics in machine learning approach (202241060640)	Dr. Devaanshi Jagwani	CE	2022	Patent published 28/10/2022
20	Lead toxicity detector and water cleaning machine (362825-001)	Mr. Nitesh Parmar	CM	2022	Design Accepted & Published 8-7-2022
21	Cloud and IoT based intelligent plant wall for Green Indoor Climate. (202141049777)	Mr. Vishal Chabra Mr. Yagyapal Yadav Mr. Anshul Oza	CS	2022	Patent Published 25-3-2022
22	LGP gas leakage detection device (Voice alert to the house wife) (202131047261)	Dr.Amit Chandak	ME	2021	Patent Published (12-11-21)

23	Cloud and IOT based intelligent plant wall for green indoor climate. (202141049777)	. Dr. Veena Baunthiyal	CE	2021	Patent Published 26-11-2021
24	Probabilistic method in applied mathematics for restructuring power system. (202111053834A)	Dr. Manoj Dubey	GE	2021	Patent Published (3-12-21)
25	Smart comb with massaging strokes to improve hair growth. (202141025101A)	Dr. Pratik Gite	CSE	2021	Published (11-6-21)
26	Digital education portal for academic activity "Campus Active." (L-104736/2021)	Dr. Namrata Tapaswi Dr. Pratik Nahar	CS	2021	Copyright Granted (24-6-21)
27	Smart School Bag for Assisting and Protecting the School Students by Tracking The Geographical Location. (2020102178)	Dr. Pratik Gite	CSE	2020	Published (Australia) (30-9-20)
28	Information locker system for Android mobile users using steganography technique. (2020102338)	Dr. Pratik Gite	CSE	2020	Published (Australia) (14-10-20)

29	<b>Novel Miniaturized Dual-Port Ultra Wide Band Mimo Antenna.</b> (201921052961 A)	Mr. Rupesh Dubey	EC	2019	Published (27-12-19)
30	Separation and Recovery of Acrylic Acid from Aqueous Solutions Using Natural Oils. (201621034582 A)	Dr. Kanti Kumar Athankar	CM	2016	Published (21-10-16)
31	An ink pen writing from both ends (201621010053 A)	Dr Sanjay Jain Mr. Mohd Aquib	ME	2016	Published (6-5-16)
32	NLP Tool for Sanskrit Language (L - 60997/2015)	Dr Namrata Tapaswi	CS	2015	Copyright Granted (8-1-15)