

## ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING &amp; TECHNOLOGY, NAGPUR

## R&amp;D Cell

## Details of Patents Filed/Published/Granted in 2023-24

Sr. No	Patent Application No.	Type Design/Utility	Status of Patent (Published / Under Examination/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)	Here, attach source of proof i.e. URL/website links, etc.
1	202221025085	Utility	Granted	Dr. Kapil Gupta	Real-Time E-Challan System and Method for No-Helmet and Triple Seats Two-Wheeler Identification for Traffic Management	Dr. Kapil Gupta	28/04/2022	16/08/2023	445299	SVPCET, Nagpur	
2	202321075705	Utility	PUBLISHED	PROF. REEMA ROYCHAUDHARY	DESIGN OF AN EFFICIENT BIOINSPIRED ARCHITECTURE FOR IMPROVING ADDRESSING CAPABILITIES OF IPV6	PROF. REEMA ROYCHAUDHARY	06/11/2023	05/01/2023		SVPCET, Nagpur	
3	4091430-001	Design	Granted	Dr. Yogesh Golhar	DESIGN Patent " Laser Therapy Device"	Dr. Yogesh Golhar	02/01/2023	29/02/2024	409143-001	SVPCET, Nagpur	
4	202441030432	Utility	Published	Ansar Isak Sheikh	Alert System for maintenance of personal hygiene using Deep Learning Technique	Ansar Isak Sheikh	16/04/2024	22/04/2024		SVPCET, Nagpur	
5	202321032638 A	Utility	Published	Dr.Minhaj Ahemad	AN ARDINO BASED SOLAR OPERATED LIGHT TRAP FOR INSECTS	SVPCET	05/09/2023	16/06/2023	202321032638 A	yes	
6	201821033272	Utility	Granted	Dr. Ghanshyam Boob	SCRAP STRIP GUIDING AND COLLECTION SYSTEM FOR STEEL ROLLING PLANT	Dr. Ghanshyam Boob, SVPCET	09/05/2018	12/01/2023	475991	Yes	<a href="https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails">https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails</a>
7	202321076443 A	Utility	Published	Dr. M A Hayat	An Ergonomic Handle bar for E-Bicycle	SVPCET	11/08/2023	22/12/2023	202321076443 A	Yes	
8	202121028862	Utility	Granted	Dr. S. S. Satputaley	System Design for Induction Hardening of Wheels Used in Overhead Cranes	Dr. S. S. Satputaley	28/6/2021		01/08/2024	SVPCET	<a href="https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewPDF">https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewPDF</a>
9	361911-001	Design	Granted	Prof. Mrunalini Buradkar	A CLOUD BASED WRONG WAY TRAFFIC ALERT SYSTEM	Prof. Mrunalini Buradkar	04/04/2022	25/01/2024	361911-001	Prof. Mrunalini Buradkar (St. Vincent Pallotti College of Engineering and Technology, Nagpur)	<a href="https://search.ipindia.gov.in/DesignSearch/DESIGNSEARCH/SearchUtility?page=1#">https://search.ipindia.gov.in/DesignSearch/DESIGNSEARCH/SearchUtility?page=1#</a>
10	2021210522250	Utility	Under Examination	Dr. Hema Kale • Shreyash Sarage • Neelakshi Nagbhidkar • Ashwini Gaikwad • Kshitij Palikundwar • Nikita Ingle	"Embedded System based Expert System for Crop Harvesting Decisions"	St. Vincent Pallotti College of Engineering & Technology, Nagpur	15-Nov-21	3rd December 2021		St. Vincent Pallotti College of Engineering & Technology, Nagpur	<a href="https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PatentDetails">https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PatentDetails</a>
11	202321081319	Utility	Published	Dr. Ashutosh Werulkar	An IOT based Smart Energy Monitoring System	St. Vincent Pallotti College of Engineering & Technology, Nagpur	30-Nov-23	29-Dec-23	2.02321E+11		
12	202321072727	Utility	Published	Prof. Rohan Vaidya, Dr. Harish Rajurkar	Patent published on ANAUTOMATIC RESCUE SYSTEM FOR RESCUING A DROWNING SWIMMER						
13		Utility	Granted	Prof. Rohan Vaidya, M.N. Kapse	Automated suline monitoring, controlling and notification system using IoT				512677		
14	2024311786	Utility	GRANTED	AKANKSHA A. KULKARNI	AI BASED HYDROPONICS PLANT GROWTH MONITORING DEVICE	AKANKSHA A. KULKARNI	02/05/2024	30/5/24	407511-001	SVPCET	<a href="http://www.ipr.india/patent/design/407511-001">www.ipr.india/patent/design/407511-001</a>
15	202421046796	Utility	UNDER EXAMINATION	RENUKA M. RAUT	COMPREHENSIVE BLOCKCHAIN-BASD VOTING SYSTEM FOR SECURE, TRANSPARENT AND EFFECIENT ELECTIONS	RENUKA M. RAUT	18/06/2024			SVPCET	
16	395123-001	Design	GRANTED	DR PRAVEEN SEN	IOT ENABLE AUDIO PLAYER	DR PRAVEEN SEN	14/09/23	12/08/2023	395123-001	SVPCET	
17	404739-001	Design	GRANTED	DR PRAVEEN SEN	IOT BASED SOLAR PLANT HEALTH MONITORING DEVICE	DR PRAVEEN SEN	16/01/24	03/05/2024	404739-001	SVPCET	
18	406768-001	Design	GRANTED	DR PRAVEEN SEN	VENDORS CART WITH SOLAR POWERED MIST SPRAYING SYSTEM	DR PRAVEEN SEN	02/06/2024	04/02/2024	406768-001	SVPCET	

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19	202321053585 A	Utility	Published	Mr.Jagdish F. Pimple	EARLY STAGE DETECTION OF BRAIN HEMORRHAGE USING MARKOV CHAIN MONTE CARLO (MCMC) BASED METRADPOLIS-HASTINGS	Mr.Jagdish F. Pimple	08/10/2023	10/06/2023			
20	394938-001	Design	Grant	Mr.Jagdish F. Pimple	RFID AND IOT BASED ANIMAL TRACKING STRAP	Mr.Jagdish F. Pimple	09/12/2023	15-03-2024			
21	410753-001	Design	Published	Dr. Vishal Tiwari	Multichannel Pipette	Dr. Vishal Tiwari	16/03/2024	05/03/2024			
22	201721012236	Utility	Granted	Dr.Nitin Dhote	GSM based Multi Function Energy Meter		05/04/2017	Grant- 14/12/23	483023	Institute affiliation	
23	202321076444A	Utility	Published	Dr Gaurav Gadge	(54) Title of the invention : AN ENERGY MANAGEMENT SYSTEM FOR HYBRID ELECTRICAL VEHICLES	SVP CET, Nagpur	08/11/2023	22/12/2023		Institute affiliation	
24	202321081320	Utility	Published	Dr. Jyoti Rothe	A WIRELESS AUTOMATED WATER LEVEL SENSING AND PUMPING SYSTEM	SVP CET, Nagpur	30/11/2023	29/12/2023		Institute affiliation	
25	201821014419	Utility	Granted	Dr. J. P. Rothe	GENERATION OF AC FROM SOLAR CELLS	Dr. J. P. Rothe	16/04/2018	07/11/2023	466703	Institute affiliation	