



## PATENTS

PATENT GRANTED						
S. No.	Patent Application No.	Title of the Patent	Inventor/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YY)	Patent Publication Number / Patent Granted Number
1	202021035420	Aquatic animal friendly ocean cleaning system	Dr. Manjusha Deshmukh Prof. Vaishali Jadhav Prof. Diksha Kumar Prof. Maahi Khemchandani Prof. Ragini Sharma Prof. Prasanna Raut	17/08/2020	<b>Patent Granted</b> 15/02/2024  Published Date 28/08/2020	Patent Number :511271 The Patent Office Journal No. 35/2020
3	201921047045	A compact semi- circular slotted fractal UWB monopole antenna	Dr. Sheetal Bukkawar	19/10/2019	<b>Patent Granted</b> 1/08/2023  Published date 03/06/2022	The Patent Office Journal No. 22/2022
4	202021056867	Binder less compacted biomass solid fuel incorporating banana root waste and method of preparation	Dr. S. Raji	29/12/2020	<b>Patent Granted</b> Date of Grant 29/08/2023	Patent no. 448031
5	201921049384	System and Method to Manufacture Paver blocks from Waste Plastic Bottles	1. Dr. Manjusha Deshmukh 2. Prof. Roshni John 3. Prof. Prasanna Raut 4. Prof. Amit Mane	02/12/2019	<b>Patent Granted</b> 29/10/2021  Published Date 06/12/2019	The Patent Office Journal No. 49/2019
6	201621015361	Automatic transmission for vehicle	1. Prof. S.N. Teli, Mr. Sagar Devichand Pati	5/3/2016	<b>Patent Granted</b> <b>Oct 2020</b>  Published Date 1/5/2018	Publication Number 01/2018
DESIGN REGISTERED						
7	407734-001	Concrete Precision Control Device	Prof. Sujaya Wadekar Prof. Yugandhara Kasture Prof. Sanjay Singh Prof. Manoj Pillai	16/02/2024	Design registered 10/05/2024	407734-001
8	332817-001	Custard Apple deseeding Machine	Dr. Madan Mohanrao Jagtap	05/09/2020	Design registered <b>27/12/2023</b>	332817-001
9	393029-001	Agricultural Soil Data Analysis for Crop Health	Dr. Yogesh R. Shahare Namrata Arya	18/08/2023	Design registered 30/10/2023	393029-001



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10	202421027026	Integrated Solar-Powered Composting System	Dr. Saumya Singh Harshal Vithal Patil Ayush Kamalesh Mokal Gaurav Sunil Patil Ganesh Ramchandra Gaikwad	01/04/2024	03/05/2024	The Patent Office Journal No. 18/2024
11	202421008875	Automated Cattle health management belt with medication Dispenser	Prof. Ragini Sharma Prof. Shraddha Subhedar Prof. Gayatri Dharap Prof. Jayshri Bankar Prof. Sarita Kale	09/02/2024	22/03/2024	The Patent Office Journal No. 12/2024
12	202421000862	Automated Talent Acquisition System With Machine Learning Capabilities For Human Resources Management	Prof. Dinesh Singh Dhakar	04/01/2024	02/02/2024	The Patent Office Journal No. 05/2024
13	202421003870	Improved mobility ratchet mechanism for wheelchairs designed for individuals with disabilities	Prof. Pramod Deshmukh Prof. Sonali Jadhav Prof. Devakant Baviskar Mr. Shubham Patil Mr. Aniket Pawar Mr. Jayesh Pandhare Mr. Praful Annadate	19/01/2024	09/02/2024	The Patent Office Journal No. 06/2024
14	202321083447	Automated Eco-Friendly Cloth Vending Machine For Reducing Plastic Bag Usage	Dr. Sheetal Bukkawar	07/12/2023	05/01/2024	The Patent Office Journal No. 01/2024
15	202321075522	Automated retractable bridge system for multimodal access	Prof. Shweta Motharkar Prof. Roshni John Prof. Vinitha Jovar Mr. Bhavesh Koti	6/11/2023	8/12/2023	The Patent Office Journal No. 49/2023
16	202221029767	IOT Based car with face mask detector	Dr. Sheetal Bukkawar Dr. Manjusha Deshmukh Prof. Monali Deshmukh Prof. Sujata Bhairnallykar Prof. Nilesh B.B. Patil Mr. Nayan Patil Mr. Ashwin Sonawane Mr. Pratik Talekar	24/05/2022	1/12/2023	The Patent Office Journal No. 48/2023
17	202241075373	Deep Learning based technique for automatic traffic anomaly detection on the road network	Prof. Shatabdi Bhalerao  Prof. Hemlata Gosavi	23/12/2022	Published date 27/01/2023	The Patent Office Journal No. 04/2023
18	202221046219	A System and Method For Privacy Preserving Data Mining And Cryptography On Health	Prof. Umesh Shankar Pinjarkar	12/08/2022	Published date 11/11/2022	The Patent Office Journal No. 45/2022



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19	202021034358	Compact J-shaped fractal antenna for UWB application	Dr. Sheetal Bukkawar	8/11/2020	Published date 10/06/2022	The Patent Office Journal No. 23/2022
20	202121056763	Thermal Analysis On Battery System For Electric Vehicle (Battery Cooling)	1. Prof. Chodankar Vishnudas 2. Prof. Quazi Taquiuddin Z. 3. Mr. Ajay Malusare	07/12/2021	Published date 25/03/2022	The Patent Office Journal No. 12/2022
21	202121031303	An Automatic detection of Brain Tumor by Glioma Magnetic Resonance (MR) Images Segmentation and Classification based on a deep learning Approach	1. Prof. Maahi A. Khemchandani	12/07/2021	Published date 11/02/2022	The Patent Office Journal No. 06/2022
22	202121039500	Method of identification of leakage prone points in water pipelines	1. Dr. Saumya Singh 2. Mr. Aditya J. Pukale 3. Mr. Dhananjay K. Gade 4. Mr. Omkar M. Manjare 5. Mr. Sagar G. Mhashilkar	31/08/2021	Published Date 10/09/2021 (Response to FER submitted)	The Patent Office Journal No. 37/2021
23	202021054822	Design & Fabrication of advanced mine detecting and neutralizing robot	1. Prof. Sunil Vishnu Jankar 2. Prof. Madhukar B. Sorte	17/12/2020	Published Date 10/09/2021	The Patent Office Journal No. 37/2021
24	201921047449	Robotic Sewer Inspection Cleaning and Toxic gas Neutralization System	1. Prof. Diksha Gautam Kumar 2. Prof. Ragini Sharma 3. Prof. Shraddha Subhedar 4. Prof. Prasanna Raut	21/11/2019	Published Date 28/05/2021	Publication Number 22/2021
25	201921048195	System and Method to detect quality of a product	1. Dr. Manjusha Deshmukh 2. Prof. Vaishali Jadhav 3. Prof. Suhasini Parvatikar 4. Prof. Sujata Bhairnallykar 5. Prof. Arti Gore	25/11/2019	Published Date 28/05/2021	Publication Number 22/2021
26	201921037718	System and Method to detect Quality of fruit	Dr. Manjusha Deshmukh	19/09/2019	Published Date 26/03/2021	Publication Number 13/2021
27	202121001389	Multipurpose Seed Sowing Machine	1. Prof. Madhukar B. Sorte 2. Prof. Pramod Deshmukh	12/01/2021	Published Date 29/01/2021	The Patent Office Journal No. 05/2021



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28	202021051673	Method to identify hypertension & cardiovascular diseases by analyzing blood flow patterns using ANN	1. Dr. Manjusha Deshmukh 2. Prof. Monali Deshmukh	27/11/2020	Published Date 01/01/2021	Publication Number 01/2021
29	202021051684	A trust worthy system based on Blockchain and Artificial Intelligence for farmers empowerment.	1. Dr. Manjusha Deshmukh 2. Prof. Vaishali Jadhav 3. Prof. Diksha Kumar 4. Prof. Maahi Khemchandani 5. Prof. Ragini Sharma	27/11/2020	Published Date 01/01/2021	Publication Number 01/2021
30	202021046901	Water Cleaning Robot	Prof. Nilesh Patil	27/10/2020	Published Date 20/11/2020	The Patent Office Journal No. 47/2020
31	202021045947	Pothole repairing Machine using waste plastic in mixes	1. Prof. Amit Patil 2. Prof. T. Z. Quazi 3. Prof. P.D Ingle 4. Prof. Siddhesh Lad 5. Prof. Vishnudas Chodankar	21/10/2020	Published Date 13/11/2020	The Patent Office Journal No. 46/2020
32	202021038639	Categorization of Plant Leaf Using Deep Learning Techniques	1. Dr. Deepa Parasar 2. Prof. Suhasini Parvatikar 3. Yogesh Jadhav	07/09/2020	Published Date 18/09/2020	The Patent Office Journal No. 38/2020
33	202021033064	Solar Distiller	Dr. Madan Mohanrao Jagtap	01/08/2020	Published Date 28/08/2020	The Patent Office Journal No. 35/2020
34	202021037027	Moisture Sensor based Automatic Irrigation system	1. Prof. Sujaya Wadekar 2. Prof. Roshni John 3. Rutuja Koli 4. Prachi Walanju 5. Swati Rathod 6. Prasad Rote	27/08/2020	Published Date 11/09/2020 (Examination form submitted)	The Patent Office Journal No. 37/2020
35	202021031644	Smart bins and their monitoring with signal at workstations	1. Prof. Suhasini Parvatikar 2. Prof. Sujata Bhairnallykar 3. Prof. Monali Deshmukh 4. Prof. Rina Bora	24/07/2020	Published Date 28/08/2020	The Patent Office Journal No. 35/2020
36	202011005557	Hybrid energy Management system using solar, wind, Fuel cell sources for remote region	1. Dr. Fauzia Siddiqui 2. Prof. Paramjit Thakur	07/02/2020	Published Date 21/02/2020	The Patent Office Journal No. 08/2020
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39	291429	Battery Operated Monowheel	1. Madan M. Jagtap 2. Shivgond N. Teli 3. Siddhesh N. Lad	22/09/2017	Published Date 24/11/2017	Journal No. 47/2017 Design No. 297785
40	276996	Pipe inspection Robot	1. Prof. S.N.Teli 2. Mr. Tejas Mhetre 3. Mr. Krishna Kumbhar 4. Mr. Akshay Bhosale 5. Mr. P. S. Buchade	10/23/2015	Published Date 20/01/2017	Design Accepted and Published, Journal No. 03/2017