



## PATENTS

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	1. Dr. Manjusha Deshmukh 2. Prof. Vaishali Jadhav 3. Prof. Diksha Kumar 4. Prof. Maahi Khemchandani 5. 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
2	332817-001	Custard Apple deseeding Machine	Dr. Madan Mohanrao Jagtap	05/09/2020	Design registered <b>27/12/2023</b>	332817-001
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, 2. Mr. Sagar Devichand Pati	5/3/2016	<b>Patent Granted Oct 2020</b>  Published Date 1/5/2018	Publication Number 01/2018



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7	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
8	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
9	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
10	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
11	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
12	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
13	202221046219	A System and Method For Privacy Preserving Data Mining And Cryptography On Health Data	Prof. Umesh Shankar Pinjarkar	12/08/2022	Published date 11/11/2022	The Patent Office Journal No. 45/2022
14	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



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15	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
16	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
17	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
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19	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
20	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
21	201921037718	System and Method to detect Quality of fruit	Dr. Manjusha Deshmukh	19/09/2019	Published Date 26/03/2021	Publication Number 13/2021
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26	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
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29	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
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33	292542	Robot	1. Prof. S. N. Teli 2. Prof. Madan Jagtap 3. Prof. Siddhesh Lad 4. Mr. Mayur Rathod 5. Mr. Prathamesh Parab 6. Mr. Kunal Sawant 7. Mr. Gajan Patil	4/6/2017	Published Date 17/5/2019	Design Accepted and Published, Journal No. 20/2019
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35	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