



## PATENTS

S. No.	Patent Application No.	Title of the Patent	Inventor/s Name	Patent Filed Date (DD/MM/YY YY)	Patent Published Date / Granted Date (DD/MM/YYYY )	Patent Publication Number / Patent Granted Number
1	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
2	201921047045	A compact semi- circular slotted fractal UWB monopole antenna	Dr. Sheetal Bukkawar	19/10/2019	Published date 03/06/2022 <b>Patent Granted</b> 1/08/2023	The Patent Office Journal No. 22/2022
3	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
4	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
5	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
6	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
7	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
8	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



SARASWATI Education Society's  
**SARASWATI College of Engineering**

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

9	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
10	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
11	201921037718	System and Method to detect Quality of fruit	Dr. Manjusha Deshmukh	19/09/2019	Published Date 26/03/2021	Publication Number 13/2021
12	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
13	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
14	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
15	202021046901	Water Cleaning Robot	Prof. Nilesh Patil	27/10/2020	Published Date 20/11/2020	The Patent Office Journal No. 47/2020
16	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
17	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
18	332817-001	Custard Apple deseeding Machine	Dr. Madan Mohanrao Jagtap	05/09/2020	Cbr Number: 15834	Cbr Number: 15834



SARASWATI Education Society's  
**SARASWATI College of Engineering**

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

19	202021033064	Solar Distiller	Dr. Madan Mohanrao Jagtap	01/08/2020	Published Date 28/08/2020	The Patent Office Journal No. 35/2020
20	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 6. Prof. Prasanna Raut	17/08/2020	Published Date 28/08/2020 <i>Patent Examination (Response to Examination report submitted on 29/09/2022)</i>	The Patent Office Journal No. 35/2020
21	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
22	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
23	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
24	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 3.	02/12/2019	Published Date 06/12/2019 <b>Patent Granted</b> 29/10/2021	The Patent Office Journal No. 49/2019
25	302238	Approximate straight-line mechanism and design	Prof. Sachin G. Solanke	8/2/2018	Published Date 05/07/2019	Design Accepted and Published, Journal No. 27/2019
26	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
27	201621015361	Automatic transmission for vehicle	1. Prof. S.N. Teli, 2. Mr. Sagar Devichand Pati	5/3/2016	Published Date 1/5/2018 <b>Patent Granted</b> Oct 2020	Publication Number 01/2018



SARASWATI Education Society's  
**SARASWATI College of Engineering**

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

28	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
29	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