



Sharad Institute of Technology, College of Engineering Yadrav- (Ichalkaranji)
(An Autonomous Institute)

PATENT DETAILS

AY: 2023-2024

S N	Department	Name of Applicant/ Inventor	Name of the Patent	National / International	Published	Granted	Application No.	Date of Publication	Date of Grant	Year
1	Mechatronics Engineering	Avadhut Rajaram Jadhav, Jitendra Govind Shinde, Gajendra Jaysing Pol, Sunil Jagannath Kadam, Maruti M. Khot, Swati Pradip Shinde, Nikhil Kakasaheb Kadam, Radhika Mahesh Mane, Dipali Ashutosh Alone, Mahesh Vilas Mane, Sujith Vishwanath Kumbhar	Bag holder device for motorcycle	National	Yes		405814-001	27-01-2024		2023-24
2	Automation and Robotics Engineering	Sharad Institute of Technology College of Engineering Yadrav, Madake Revati Jitendra, Tambat Alfija Pyarelal, Pujari Sanskruti Mayappa, Kumbralkar Shweta Prakash, Dr. Govind Singh Patel, Ashish A Desai, K.S.N Satish Idury, Yogesh Y Kamble, Ganesh V Pujari, Krishnkant Sahu	Object Identification And Separation Technique Using Dsp Processor For Conveyer Belt	National	Yes		202321019083	14-04-2023		2023-24

3	Civil Engineering	Mr. A.A. Hosurkar, Aditi B. Magdum, Sushmita D. Chougule , Rusghab R. Patil, Imrannajir KL Malgave , Awej M Naikwade	IOT Based Smart Bridge Health Monitoring Syastem	National	yes		202321074756	15-12-2023		2023-24
4	Civil Engineering	Mr Ashish B. Jadhav, Mr Yash B Patil, Mr Sameer S Mullik, Mr Sahil M. Mujawar, Mr Pranav S Patil, Mr Yogesh S Patil, Mrs Susmita A. Patil, Mrs Manali V Sabale	Sisal fibre rainforced cellular lightweight concrete (CLC) bricks	national	yes yes		202321018654	19-03-2023		2023-24
5	Civil Engineering	Vinod R. Nejkar, Yogesh U. Kulkarni, Sangram A. Dopare, Mr Ashish B. Jadhav, Pranati O Shirole	Wood and Steel in concrete / brick building method and processes	national			202321034728	18-05-2023		2023-24
6	Civil Engineering	Mr Ashish B. Jadhav, Y.S Patil, M.V.Sabale, Mrs Susmita A. Patil, Mrs. S.M Patil, Dr. R. M Garud, Pranati O Shirole, Vinod R. Nejkar	Structural and non structural behaviour analysis of structures (brick, concrete, stone, wood, Steel structures etc.)	National	yes		202321034733	18-05-2023		2023-24
7	Civil Engineering	Mr Ashish B. Jadhav, V.K.Naik, Mr Yogesh S Patil, Mrs Susmita A. Patil, Pranati O Shirole, Namira Tamboli, Nisha Alase, Susmita Vadar	Thermal Insulation CLC Brick by using glass fiber mesh	National	yes		202421030953	18-04-2024		2023-24

8	Civil Engineering	Mr Ashish B. Jadhav, Dr.Pinki Deb, S.M.Patil, Priyanka T. Powar, Sandesh B. Kamble, Abhishek S. Kashmire, Subham G. Alase, Pratik N. Thigale	Model insulated plaster panel	National	yes			202421030956	18-04-2024	2023-24
9	Civil Engineering	Amruta D. Ware, Pooja R. Patil, Yogesh U. Kulkarni, Dr.R.M.Garud, Aditi D. Birje, Chirag Y. Girse, Ansar S. Jamadar, Maithili R. Chavan	Safety jacket with helmet hoodie made with glass fiber	National	yes			202421030951	18-04-2024	2023-24
10	Civil Engineering	Dr.Pinki Deb, Mr Ashish B. Jadhav, Vinod R. Nejkar, Pooja R. Patil, Amruta D. Ware, Shreyash Sachin Shinde, Vivek Vijay Koli, Abdulsajid Ganiahamad Gavand	Performance od hot mix asphalt using nano-clay modified binder and polypropylene fiber	National	yes			202421030974	18-04-2024	2023-24
11	Electronics & Computer Science Engineering	DR. Pravinkumar S Patil	Device to identify ripening in Fruits	Yes	published	In process	402930-001		23-12-2023	2023-24
12	Electronics & Computer Science Engineering	Dr Sachin S Gurav	EFFICIENT SMART BRACES FOR LIFE THREATNING DISEASE OF PARAPLEGIA	Yes	published	In process	202321074757			2023-24

13	Electronics & Computer Science Engineering	Dr Sachin S Gurav	VEHICLE THEFT AND ACCIDENT DETECTION WITH ENGINE LOCKING SYSTEM	Yes	published	In process	202421030975	18-04-2024		2023-24
14	Mechatronics Engineering	Dr. Shikalgar S.K.	Artificial Intelligence based self learning Braille Application	International	Published		406946-001	08-02-2024		2023-24
15	Mechanical Engineering	Avesahemad Husainy, Utkal Patil, Atharv Joshi, Dhanashri Kore, Rohan Thomake, Harshavardhan Jadhav, Vaibhav Chougule, Harshavardhan Kamat	Biomechanical Integration of Active Prosthetic Ankle Mechanism For Enhanced Biking in Prosthetic	National	Published	No	202421030952	2023-24		2023-24
16	Mechanical Engineering	Dr. S D Patil, Dr. Suyog Patil, Aniket Appasaheb Phulari, Rahul Ravindra Karmarkar, Rahul Ravindra Karmarkar, Jeevan Raju Gurav	Design And Development of A Mechanism For The Pre-Treatments Process of Raisins	National	Published	No	202421030968	2023-24		2023-24
17	Mechanical Engineering	Dr. Suyog Patil, Dr. Adik Takale, Pranit Ramesh Khurape, Sanket Ajay Kavathekar, Rutwik Ramesh Desai, Shardul Dileep Kamble Yuvraj, Ravsaheb Patil, Sammed Chandrakant Chandan, Rushikesh Sachin Kumbhar	Design And Development of A Mechanism For The Pre-Treatments Process of Raisins	National	Published	No	202421030976	2023-24		2023-24

18	Mechanical Engineering	Dr. S D Patil, Mr. Ashish Desai, Pravin Yadav, Aniket Amar Mhetar, Avinash Pandurang Nirmal, Rohit Sunil Mahabale, Avadhut Appaso Mane	Automatic Moisture Control System For Vermicompostbed	National	Published	No	202321019081	2023-24		2023-24
19	Mechanical Engineering	Avesahemad Husainy, Dr. S D Patil, Abhishek Chougule, Rushikesh Kokane, Chintamani Upadhe, Rajmati Patil, Bhushan Kumbhar, Hrutuja Madake	IOT based Refrigerated Vaccine storage system with thermal storage	National	Published	No	202421030954	2023-24		2023-24
20	Mechanical Engineering	Avesahemad Husainy, Dr. Vishal V Patil, Omkar Chougule, Sameer Momin, Prathamesh Jadhav, Sanmesh Shinde	Novel Smart Algae Bio Panel and its growth Forecasting Using ML- A sustainable solution	National	Published	No	202421030957	2023-24		2023-24
21	Mechanical Engineering	Mr. Avesahemad Husainy, Mr. S V Kumbhar, Shubham Powar, Aditya Amane, Arun Kagwade, Punam Chougule, Diya Snadi, Rajashree Shinde	Retrofit on sports wheelchair for reducing pressure ulcers or bedsores	National	Published	No	202321061930	2023-24		2023-24
22	Mechanical Engineering	Mr. Avesahemad Husainy, Dr. V V Patil, Omkar Chougule, Samir Monin, Prathamesh Jadhav, Sanmesh Shinde, Asiya Pendhari, Shraddha Mahadik	TES and IOT assisted Multi crop solar dryer	National	Published	No	202321061931	2023-24		2023-24
23	Artificial Intelligence and Data Science	Sukanta Debnath	Single coil I-type Axial Active Magnetic Bearing for high speed application	National	Published		202421030971	18-04-2024		2023-24

24	Artificial Intelligence and Data Science	Sukanta Debnath	Multi-coil Active Magnetic Bearing for machining tool application	National	Published		202421030969	18-04-2024		2023-24
25	Artificial Intelligence and Data Science	Upama Das	I-type electromagnetic actuator design and testing for Active Magnetic Bearing system	National	Published		202421030972	18-04-2024		2023-24
26	Artificial Intelligence and Data Science	Deepa Karwa, Dr. Seema Kabra, Dr. Deepak Kabra, Mrs. Karuna Laddha	comprehensive mathematics kit for students	international	published	yes	6338602	22 January 2024		2023-24
27	Artificial Intelligence and Data Science	Dr. Amit Jaykumar Chinchawade	Device for detecting diseased leaves in plants by image processing	International		Granted	6304965		04-Sep-23	2023-24