



Sagar Institute of Research & Technology, Bhopal

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Details of Patents Published / Granted

S. No.	Name of Faculty/Student	Title	National /International	Date	Status
1	Dr. Smita Shandilya	Patent Number 369424, "A Scanning Device, a System and a Method for Characterization of External Devices".	National/Invention		Grant
2	Dr. Smita Shandilya	Patent Number 2021/04351, Method and System for Energy Detection.	International (South Africa)/Invention		Published
3	Dr. Shafali Jain, Dr. Nitin Tenguria	Solar cum wind power battery operated motorbyke	National /Design	08-01-2021	Grant
4	Dr. Shafali Jain, Seema Rajput, Neeti Dugaya	Design and development of IOT based health care system using Wearable devices	National/Invention	27-11-2020	Published
5	Dr. Shafali Jain, Neeti Dugaya, Seema Rajput	Smart real time energy management system using thingspeak for smart cities	International (Australia)/Invention	17-11-2021	Grant
6	Dr. Shafali Jain, Seema Rajput, Neeti Dugaya	Biofuel blended alternative fuel for Diesel engines for optimized performance	National /Invention	13-11-2020	Published
7	Dr. Shafali Jain, Neeti Dugaya, Seema Rajput	Machine learning based smart electric vehicle battery management system	National/Invention	06-11-2020	Published
8	Pratima Gangwar, Swati Pandey, Rahul Makrariya, Abhimanyu Singh, Aarti Tiwari	Electric Corn Roaster	National /Design	17-10-2020	Under Process for Technical Examination
9	Prof. Palash Jain, Muzzammil Khan, Aman Rai, Aruneet Verma	Electric Cart	National /Design	30-10-2020	Under Process for Technical Examination
10	Dr. Shafali Jain, Mr. Vivek Tiwari, Ms. Neeti Dugaya, Ms. Seema Rajput	Touchless device for use with a doorbell	National/Invention	30-10-2020	Published
11	Dr. Shafali Jain, Neeti Dugaya, Seema Rajput, Vivek Tiwari, Priyanka Rajput	IOT based smart management of autonomous guided vehicle in smart industrial manufacturing	National/Invention	30-10-2020	Published
12	Dr. Shafali Jain, Dr. Nitin Tenguria	Dual battery hybrid system	National /Design	23-09-2020	Applied

13	Dr. Shafali Jain, Dr. Nitin Tenguria	Conveying equipment with sliding mechanism for vehicle parking	National /Design	02-07-2020	Applied
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