

## Patents filed/ published

2021-2022

<b>Sl No.</b>	<b>Application No</b>	<b>Title</b>	<b>Inventors</b>
1	2022310277 47	Automatic Capsule Filling Device	Dr. Bansari Deb Majumdar, Ratul Saha, Sourab Ghosh, Hiranangshu Ghosh, Joy Halder, Sanmitra Biswas, Raktim Pratihar, Arka Majumdar, Debmalya Shadhukhan
2	2022310143 62	Jojoba Biodiesel Based Biofuel Composition And Method For Preparation Thereof	Dr. Sumit Nandi, Debopriya Dey
3	2022310143 63	Concrete Surface Smoothing Device	Arnab Nag, Dr. Saradindu Panda, Dr. Anilesh Dey, Dr. Sandhya Pattanayak, Dr. Sangita Roy, Moupali Roy, Soumen Pal, Arpita Barman Santra, Arnima Das, Pranab Hazra, Abhijit Ghosh, Kaushik Sarkar, Dr. Surajit Bari, Rimpi Datta, Amit Nigam
4	2022310365 57	Hand Exercise Device	Dr. Anilesh Dey, Tanmay Munshi
5	2022310277 46	Adjustable neck support device	Sukanya Chatterjee, Raja Mitra, Indrani Das, Dr. Anilesh Dey
6	2022310365 55	Automated Roof Maintenance Device	Sandhya Pattanayak, Archishmito Chowdhury, Paromita Saha, Anik Banerjee, Sayantani Pal, Akshay Agarwal, Dr. Anilesh Dey, Dr. Sangita Roy, Moupali Roy, Soumen Pal, Arpita Barman Santra, Arnima Das, Pranab Hazra, Abhijit Ghosh, Kaushik Sarkar, Dr. Surajit Bari, Rimpi Datta, Amit Nigam
7	2022310365 54	Snow removing and processing device	Dr. Anilesh Dey, Dr. Sandhya Pattanayak, Dr. Sangita Roy, Moupali Roy, Soumen Pal, Arpita Barman Santra, Arnima Das, Pranab Hazra, Abhijit Ghosh, Kaushik Sarkar, Dr. Surajit Bari, Rimpi Datta, Amit Nigam

8	2022310365 56	Product Segregation and Packing Device	Tamajit Biswas, Pranab Hazra, Baishali Sarkar, Debdas Mondal, Deepali Kumari, Niladri Mallik, Dr. Anilesh Dey
9	2022310365 59	Dementia Diagnosis and Treatment Device	Suvargha Ghosh Dastidar, Sohini Pal , Hiravra Koley, Synthya Halder, Ambalika Saha Prithasankar Laskar Pratyusha Biswas Deb, Dr. Ambarnath Banerji
10	2022310365 58	Automated Barricade Deploying Device	Ayan Kumar Jana, Indrani Bardhan, Sanchari Roy, Dr. Suchismita Maiti, Tamasree Biswas, Dr. B K Medya, Soumya Bhattacharyya, Sujata Kundu, Soumen Ghosh
11	2022310277 48	Fence Installation Device	Bidesh Roy, Soumik Nandi, Dr. Subhram Das, Subhasree Bhattacharjee, Rupa Saha
12	2022310277 49	Automated Crop Bundling Device	Rituraj Saha, Soumya Bhattacharyya, Dr. Avishek Chakraborty, Tamasree Biswas Dr. Suchismita Maiti, Dr. B K Medya, Puspak Pain, Shyamapriya Chowdhury, Dr. Shambhu Nath Saha
13	2022310307 70	Soft toy Stuffing device	Dr. Inderpreet Kaur, Dr. Manpreet Singh Manna, Dr. Bansari Deb Majumdar, Ratul Saha, Sourab Ghosh, Hiranangshu Ghosh, Joy Halder, Sanmitra Biswas, Raktim Pratihar, Arka Majumdar, Debmalya Shadhukhan

### 2020-2021

<u>Application No</u>	<u>Inventors</u>	<u>Patent title</u>
201931050740	Rupa Bhattacharyya, Sumit Nandi	Mechanical property modification of PVC - poly (ethyl acrylate) blend by incorporation of Nano Calcium Carbonate
201931050741	Susmita Karan	Green route of Preparation of PVA- cellulose Nanocomposite

201931050742	Sumit Nandi, Rupa Bhattacharyya	Production of biodiesel from palm fatty acid distillate using biohydrolysis and bioesterification reaction
201931050743	Sharmistha Basu, Rajasi Ray, Sumit Nandi	Radio Jingle– A Novel Technique for Betterment of Listening & Writing Skills
201931050744	Sarbani Ganguly, Sumit Nandi	Oil seed meals: A novel cheap source of prebiotic food material
201931050748	Biswajit Halder, Amartya Hazra, Mainak Mondal, Soumydeep Lodh	Portrait image enhancement for printed security documents verification
201931050749	Sagarika Chowdhury, Swapneel Roy and Souradeep Das	Intelligent CCTV Camera for a better Lifestyle
201931050750	Bansari Dab Majumdar, Arka Majumdar, Atmadip Dey, Raktim Pratihar	IoT based water quality monitoring systems in River, Lakes, and Ponds
201931050751	Bansari Dab Majumdar, Raktim Pratihar, Atmadip Dey, Arka Majumdar	Implementation of IOT for Tracking CSR assets
201931050752	Subhram Das, Arijit Das, Souradeep Das	Deep Learning Based Portable Fingerprint Lock Supported Handheld Multilingual Optical Character Recognizer
201931050774	Anilesh Dey, Tanmoy Munshi, Indranil Jana, Ananya Banerjee	Electrooculogram Signal Controlled Wheelchair
201931050775	Arkendu Mitra, Pratyusha Biswas Deb, Kamalika Banerjee	Four Quadrant Operation of a DC Separately Excited Motor using Single Power Electronic Switch
201931050776	Pratyusha Biswas Deb, Ronojit Bose, Aritra Das, Arkendu Mitra, Kamalika Banerjee	Low Cost Solar Charged Mobile Power Bank

201931050777	Shubhendu Banerjee, Sumit Kumar Singh, Nidhi Singh	Digitally Automated Car Parking Management
201931050778	Pratyusha Biswas Deb, Ronojit Bose, Aritra Das	Hybrid Air Purifier
201931050910	Arkendu Mitra, Jayatra Simlai, Vivek Kumar Choubey, Tarpan Ghosh, Supratim Biswas, Subir Das	Protection of Power Electronic Devices in a Voltage Source Inverter against Over-current and Shoot-through Faults
201931050911	Suchismita Maiti, Arpita Dutta, Ruparna Mukherjee, Victor Simpson, Soumya Bhattacharyya, Tamasree Biswas, Sujata Kundu, Shyamapriya Chowdhury, Anirban Bhar, Soumen Ghosh, B K Medya	Automatic Soil Moisture Control Irrigation System
201931050912	Soumya Bhattacharyya, Arpita Dutta, Ruparna Mukherjee, Soumyajit Ghosh, Suchismita Maiti, Sujata Kundu, Shyamapriya Chowdhury, Tamasree Biswas, Anirban Bhar, Soumen Ghosh, B K Medya	Criminal Face Detection Mechanism using Image Recognition
201931050913	Soumajit Dasgupta, Subhankar Das, Puja Sarkar, Dibyendu Sarkar, Soumyadeep Bose, Vaskar Ghosh	Anti-personal Unmanned Weapon System
201931050914	Sagarika Chowdhury, Kumar Kalpadipta Roy, SohamMukhopadhyay, Nilavro Seal, ArijitSaha Ray, Ishita Mukherjee and Debonita Chatterjee	Database Builder from Physical Documents
201931050918	Anilesh Dey, Sourabh Choudhury, Avishek Saha, Apurba Chatterjee, Debasmita Mandal, Soumi Bhattacharya	Electromyogram Signal Acquisition System

201931050919	Swati Barui, Arnima Das, Arpita Santra , Prof. (Dr.) Maitreyi Ray Kanjilal, Ranit Dey, Sanchari Saha, Arnab Nag, Pritam Mandal	IOT Based Water Pump Controller System using Atmega328p-pu Controller
201931050920	Mohit Sharma, Ambrish Upadhyay, Rimpi Datta, Anilesh Dey, Saradindu Panda, Sharmistha Basu	Artificial Intelligence based Domestic Solar Power Saving System
201931050921	Rajdeep Sinha, Arpita Basu, Isita Das, Amarnath Samanta, Arnab Nag, Abhijit Ghosh, Puspak Pain, Saradindu Panda	Smart Energy Meter
201931050922	Pranab Hazra, Saradindu Panda, Sattick Bhadra, Madhuparna Das, Amritendu Saha, Satyam Kumar, Kumar Satyam	Digital Restaurant Menu Ordering and GSM Based Billing System
202031037602A	Dr. Anilesh Dey, Tanmoy Munshi, Sandipan Sil, Swagata Dasgupta, Indranil Jana, Dr. saradindu Panda, Ms. Nidhi Singh, Dr. Sandhya Pattanayak, Sangita Roy, Pallav Dutta, Sudhangshu Sarkar	An Automated System Having Bag Valve Mask

### **2019-2020**

<b><u>Application No</u></b>	<b><u>Inventors</u></b>	<b><u>Patent title</u></b>
201931037381	Dr. Anilesh Dey, Sangita Roy, Piyu Sarkar Tanmoy Munshi, Indranil Jana, Soumendu Biswas, Soumashis Das Pallav Dutta, Sudhangshu Sarkar	Electrooculogram signal acquisition system
201931026807A	Dr. Saradindu Panda, Dr. Anilesh Dey, Sangita Roy, Sandhya pattanayak, Pranab hazra, Abhijit Ghosh, Rimpi datta, Sambhu Surai, Arnab Nag	Gesture controlled wheelchair

**2018-2019**

<b><u>Application No</u></b>	<b><u>Inventors</u></b>	<b><u>Patent title</u></b>
201831041800A	Anilesh Dey, Saradindu Panda, Pranab Hazra, Moupali Roy, Sudhangshu Sarkar	Fabrication of ECG acquisition and IoT based real time ECG monitoring system