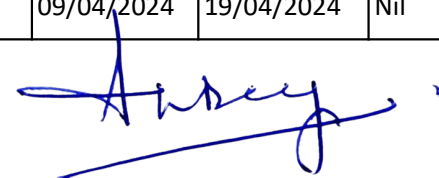


Annexure - 24

Deratils of Patents / Copyright / Design

Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
1	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta,	Automated Water Control of Biofloc	03/08/2023	29/09/2023	Nil
2	Agriculture	Patent	Tanmoy Sarkar	Energy Shoes	24/08/2023	29/09/2023	Nil
3	Agriculture	Patent	Tanmoy Sarkar	Paper Spray Bulb Camera	22/08/2023	29/09/2023	Nil
4	Agriculture	Patent	Tanmoy Sarkar	Voice Control Hydroponics and With Hydropower	20/08/2023	29/09/2023	Nil
5	Agriculture	Patent	Tanmoy Sarkar	Agri Solar Weight Trolly	18/08/2023	08/09/2023	Nil
6	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta,	From Fields to Future: 4-Wheel Drive Robots are Reshaping Agriculture	16/01/2024	09/02/2024	Nil
7	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu	Grow Sense Plant Support System	10/04/2024	26/04/2024	Nil
8	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta	Thermo Guard Agri Sprayer	09/04/2024	19/04/2024	Nil
9	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta	Exploring Wireless Charging technologies for smartphones	15/01/2024	02/02/2024	Nil
10	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta	Turning Tap Water Into Electricity: A Green Solution	14/01/2024	02/02/2024	Nil
11	Agriculture	Patent	Tanmoy Sarkar, Suprabuddha Kundu	Artificial Ran Technology: A Game Changer in Agriculture	23/03/2024	12/04/2024	Nil
12	Agriculture	Patent	Tanmoy Sarkar	Nutri Waste Home Liquid Fertilizer Maker	04/04/2024	19/04/2024	Nil
13	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta	Revolutionizing Agriculture: Vermicompost Innovations	07/04/2024	19/04/2024	Nil
14	Agriculture	Patent	Tanmoy Sarkar	Pest Guard Pro-Air	07/04/2024	19/04/2024	Nil
15	Agriculture	Patent	Tanmoy Sarkar	Smart Flora Hub	07/04/2024	19/04/2024	Nil
16	Agriculture	Patent	Tanmoy Sarkar	Eco Flow Irrigation	26/03/2024	05/04/2024	Nil
17	Agriculture	Patent	Tanmoy Sarkar	Sustainable Spin Blade Weeder	09/04/2024	19/04/2024	Nil



Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
18	Agriculture	Patent	Tanmoy Sarkar, Parijat Bhattacharya, Suprabuddha Kundu	Development of aqua Secure Transporter: An Advanced System for Safe and Efficient Water Transportation	21/11/2024	13/12/2024	Nil
19	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta	Automated Sanitization system for Laboratory Environments	21/11/2024	13/12/2024	Nil
20	Agriculture	Patent	Tanmoy Sarkar, Ria Mukhopadhyay	Sun Blow Seed Separator: An Innovative Solar-Powered Solution For Efficient Seed Separation in Agriculture	21/11/2024	13/12/2024	Nil
21	Agriculture	Patent	Tanmoy Sarkar	Application of Micro nutrients and Organic manures on plant growth of Dragon fruit c.v. Moroccan Red	23/11/2024	29/11/2024	Nil
22	Agriculture	Patent	Tanmoy Sarkar, Tanmoy Majhi	Eco Seed Hydro-Seeding Technology for Sustainable and Efficient Vegetation Establishment	23/11/2024	29/11/2024	Nil
23	Agriculture	Patent	Tanmoy Sarkar	AgroMist Mobile Irrigator: Advanced Precision Irrigation System for Efficient Crop Hydration	23/11/2024	29/11/2024	Nil
24	Agriculture	Patent	Tanmoy Sarkar, Suprabuddha Kundu, Parijat Bhattacharya	Optimizing Shelf Life of Pink Oyster Mushrooms with Potassium Metabisulphite and Modified Atmosphere Packaging	23/11/2024	29/11/2024	Nil
25	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta	Application of Sewage on the Germination and Early Development of Amaranthus	24/11/2024	29/11/2024	Nil
26	Agriculture	Patent	Tanmoy Sarkar, Avishek Chatterjee	Optimizing Guaiacol Oxidation: Activators of Watermelon Peel Peroxidase	24/11/2024	29/11/2024	Nil
27	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta	Development and Optimization of a Solar-Powered Chill Preservation Unit for Perishable Goods	24/11/2024	29/11/2024	Nil
28	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Method for producing iron and zinc enriched vermicompost	12/03/2025	21/03/2025	Nil

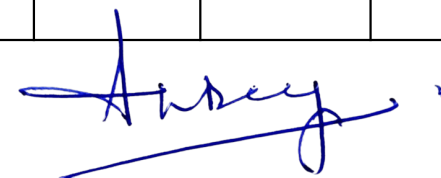
Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
29	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Biophilic design system for architectural spaces	12/03/2025	28/03/2025	Nil
30	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Method of making and preserving dry flowers	12/03/2025	28/03/2025	Nil
31	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Biofloc-based aquaculture system	11/03/2025	28/03/2025	Nil
32	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Beeswax processing system	11/03/2025	28/03/2025	Nil
33	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Bee venom collection device	11/03/2025	28/03/2025	Nil



Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
34	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Method for tissue culture crop production	12/03/2025	28/03/2025	Nil
35	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Method of cultivating <i>Moringa oleifera</i>	12/03/2025	28/03/2025	Nil
36	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick	Instant mushroom soup composition	12/03/2025	28/03/2025	Nil
37	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick, Souvik Halder, Rohan Mandal	A System for poultry farming	28/04/2025	02/05/2025	Nil
38	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick, Aritra Deb, Dipty Mondal	A hydroponic farming system for soil-less plant cultivation	28/04/2025	02/05/2025	Nil



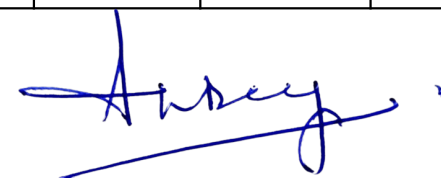
Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
39	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick, Milan Ghosh, Arup Samanta, Kaneenika Santra	A method for tissue culture crop production	28/04/2025	02/05/2025	Nil
40	Agriculture	Patent	Tanmoy Sarkar, Sudip Sengupta, Suprabuddha Kundu, Parijat Bhattacharya, Ria Mukhopadhyay, Mahafuzar Rahaman, Anirneeta De, Animesh Ghosh Bag, Rakesh Das, Tanmoy Majhi, Sayani Bhowmick, Biswadeep Mazumder, Soumbrata Dutta, Anik Sinha, Anushree Laha	A bio-fertilizer composition	26/04/2025	02/05/2025	Nil
41	Biotechnology	Patent	Dr. Priyajit Banerjee	Moss based air purification	12/03/2025	28/03/2025	Nil
42	Biotechnology	Patent	Dr. Debjit De	Biopesticide composition	12/03/2025	21/03/2025	Nil
43	Biotechnology	Patent	Dr. Priyanka Pal	Anti-diabetic Powder composition	12/03/2025	28/03/2025	Nil
44	Biotechnology	Patent	Dr. Bidisha Ghosh	Organic hair mask formulation	12/03/2025	28/03/2025	Nil
45	Biotechnology	Patent	Dr. Semanti Ghosh	Natural anti-inflammatory powder formulation	12/03/2025	28/03/2025	Nil
46	Biotechnology	Patent	Dr. Samudra Pal	A biodegradable wipe material for tan removal	26/04/2025	02/05/2025	Nil
47	Microbiology	Patent	Ms. Suranjana Sarkar	Systematic approach to Study the Impact of Bacteriophage Cocktails as Antibacterial Agents in Crop protection	05/01/2023	13/01/2023	Nil
48	Microbiology	Patent	Ms. Suranjana Sarkar	Herbal formulation-based lip balm	11/03/2025	02/03/2025	Nil
49	Microbiology	Patent	Dr. Pritha Pal	An edible nutraceutical composition in the form of probiotic gummies for promoting gut and skin health	26/04/2025	02/05/2025	Nil



Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
50	Civil Engineering	Patent	Dr. Ashes Banerjee	Smart Shredder for E-waste plastic processing	28/04/2025	02/05/2025	Nil
51	Civil Engineering	Patent	Dr. Ashes Banerjee	Design of Multipurpose knife	24/01/2025	28/01/2025	05/02/2025
52	Education	Patent (UK)	Dr. Liton Mallick	Certificate of Registration for a UK Design	20/03/2023	10/07/2023	18/07/2023
53	Education	Patent (India)	Dr. Liton Mallick, Dr. Amitava Bhowmick & Dr. Jayati Maiti	Robotic Assisted Remote Device for Hearing Impaired Children	15/07/2023	23/11/2023	11/01/2024
54	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari	Structural design of a modern kitchen	09/06/2023	16/06/2023	Nil
55	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Promit Kumar Saha, Dr. Rituparna Mukherjee, Avik Datta	Design and Fabrication of a Multi-converter Structure	27/03/2023	07/04/2023	Nil
56	Electrical	Patent	Saurabh Adhikari, Abhishek Dhar	Sensor Based Desalinization and hydro phonic technologies to improve agricultural productivity of resource scare costal saline areas	27/03/2023	07/04/2023	Nil
57	Electrical	Patent	Saurabh Adhikari, Abhishek Dhar	Fabrication and Design of the Solar Powered 36 degree rotating Vehicle	27/03/2023	07/04/2023	Nil
58	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari	Solar Powered Water Pump	20/03/2023	31/03/2023	Nil
59	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari	Solar Powered Beard Trimmer	20/03/2023	31/03/2023	Nil
60	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Titas Kumar Nag, Dr. Rituparna Mukherjee	A switch diode based 7-level Symmetrical Inverter for Industrial Application	11/03/2023	24/03/2023	Nil
61	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Dr. Rituparna Mitra	An Ethical Hacking Pad Design for system protection	11/03/2023	24/03/2023	Nil
62	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Avik Datta, Promit Kumar Saha	Analysis of a 15-level minimum component Inverter	11/03/2023	24/03/2023	Nil
63	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Promit Kumar Saha, Dr. Rituparna Mitra, Aritras Chakraborty	A Smart watch using gesture recognition control	05/02/2023	10/02/2023	Nil

Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
64	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Titas Kumar Nag, Dr. Rituparna Mitra, Promit Kumar Saha, Avik Datta, Dr. Rituparna Mukherjee	Implementing a smart phone controlled low cost drone	03/02/2023	10/02/2023	Nil
65	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Titas Kumar Nag, Dr. Rituparna Mitra, Promit Kumar Saha, Avik Datta, Dr. Rituparna Mukherjee	A Reduced Component 15-level Inverter applicable for photovoltaic application	01/02/2023	10/02/2023	Nil
66	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Aritr Chakraborty	Design and Development of Odour fragrance detection	26/10/2022	04/11/2022	Nil
67	Electrical	Patent	MR ABHISHEK DHAR, Dr. Rituparna Mukherjee, Saurabh Adhikari, Promit Kumar Saha	Design of an army jacket for protection in broader area	28/09/2022	21/10/2022	Nil
68	Electrical	Patent	MR ABHISHEK DHAR, Saurabh Adhikari, Dr. Rituparna Mitra, Titas Kumar Nag	HUMOBOT- Multipurpose robot assistant in Post Pandemic	07/07/2022	29/07/2022	Nil
69	Electrical	Patent	MR ABHISHEK DHAR, Saurabh Adhikari	Smart solar grass cutter	07/07/2022	29/07/2022	Nil
70	Electrical	Patent	MR ABHISHEK DHAR, Saurabh Adhikari	Hydraulic ram pump system for water lifting in hilly region	21/09/2022	29/07/2022	Nil
71	Electrical	Patent	MR ABHISHEK DHAR, Saurabh Adhikari, Titas Kumar Nag, Dr. Rituparna Mitra, Avik Datta	Solar powered automated rooftop shielding mechanism	04/07/2022	29/07/2022	Nil
72	Electrical	Patent	MR ABHISHEK DHAR, Saurabh Adhikari, Titas Kumar Nag, Dr. Rituparna Mitra, Avik Datta	IoT Based Solar Powered Battery Less Street Light	22/06/2022	29/07/2022	Nil
73	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Aritr Chakraborty	IoT Based Rain Water Harvesting System For Washing Machine By Using Raspberry Pi	14/06/2021	09/07/2021	Nil
74	Electrical	Patent	Abhishek Dhar, Saurabh Adhikari, Aritr Chakraborty	Multi Sensor Based Smart Medical Ring For Health Monitoring System	14/06/2021	09/07/2021	Nil
75	Food and Nutrition	Patent	Dr. Manisha Maity	Interactive Technology-driven Low-cost Virtual Learning device NOODLE for equity to address digital divide	23/02/2023	10/03/2023	Nil

Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
76	Food and Nutrition	Patent	Dr.Moumita Dev	Tulsi-Extract Based Whey Drink Composition	20/08/2024	30/08/2024	Nil
77	Food and Nutrition	Patent	Dr. Souvik Tewari	A process for high protein nutritious baked snack food	17/01/2023	10/02/2023	Nil
78	Food and Nutrition	Patent	Dr. Souvik Tewari	Nutri-chef application system.	11/09/2023	03/11/2023	Nil
79	Food and Nutrition	Patent	Dr. Souvik Tewari	Solar powered soil testing device with biofertilizer dispenser	06/12/2024	24/02/2025	24/02/2025
80	Food and Nutrition	Patent	Dr. Souvik Tewari	Device for detection of food adulteration	08/01/2025	24/03/2025	24/03/2025
81	Food and Nutrition	Patent	Dr. Moumita Das	Tulsi-Extract Based Whey Drink Composition	20/08/2024	30/08/2024	Nil
82	Food and Nutrition	Patent	Dr Rupali Dhara Mitra	A Method for Preparation and Composition of Millet Starch Based Bioplastics.	23/06/2024	05/07/2024	Nil
83	Food and Nutrition	Patent	Dr Rupali Dhara Mitra	an efficient method and system for preparing nutrient-rich broccoli and cashew nut spread.	08/01/2025	17/01/2025	Nil
84	Food and Nutrition	Patent	Dr. Rupali Dhara Mitra	An Enhanced Method of Immobilization of Microbial Alkaline Protease for Industrial Application.	17/05/2024	31/05/2024	Nil
85	Food and Nutrition	Patent	Dr. Rupali Dhara Mitra	A Microorganism Formulation and Method for Efficient Plastic Waste Degradation and Sustainable Recycling	23/11/2024	24/11/2024	Nil
86	Food and Nutrition	Patent	Dr. Souvik Tewari, Paromita Mukherjee	Nutri-chef application system.	11/09/2023	03/11/2023	Nil
87	Food and Nutrition	Patent	Dr. Souvik Tewari, Paromita Mukherjee	Solar powered soil testing device with biofertilizer dispenser	06/12/2024	24/02/2025	24/02/2025
88	Food and Nutrition	Patent	Shreyasi Das	A Method for Preparation and Composition of Millet Starch Based Bioplastics	23/06/2024	05/07/2024	Nil
89	Food and Nutrition	Patent	Shreyasi Das	An efficient method and system for preparing nutrient-rich broccoli and cashew nut spread	08/01/2025	17/01/2025	Nil
90	Management	Patent	Dr Soumya Mukherjee	e-commerce management and ai based dynamic pricing revenue optimization strategies	18/06/2024	05/07/2024	Nil



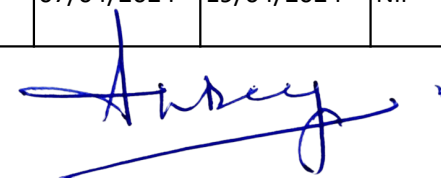
Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
91	Management	Copyright	Dr Soumya Mukherjee	Managing Obstacles and Seeking Equity in the context of Gender Disparities and Work Life	05/01/2025	04/03/2025	Nil
92	Management	Patent	Dr. Kallal Banerjee	Examining the effects of product descriptions, reviews, and ratings on consumer purchase decision	24/04/2023	05/05/2023	Nil
93	Management	Patent	Dr. Kallal Banerjee	An innovative time management system for increased productivity	23/04/2023	06/05/2023	Nil
94	Management	Patent	Dr. Kallal Banerjee	A system for leveraging AI and data analytics for predictive modeling of consumer green purchasing behavior and method thereof	22/01/2024	03/11/2024	Nil
95	Management	Patent	Dr. Kallal Banerjee	Innovative Wearable Sociometric Device for Enhanced Analysis and Optimization of Workplace Team Dynamics	03/01/2024	05/12/2024	12/5/2024
96	Management	Patent	Dr. Kallal Banerjee	Computing Device for Supply Chain Optimization through Advanced AI and Machine Learning	22/01/2024	31/07/2024	31/07/2024
97	Management	Patent	Soumen Nath	Computing Device for Supply Chain Optimization through Advanced AI and Machine Learning	22/01/2024	31/07/2024	31/07/2024
98	Management	Patent	Soumen Nath	Innovative Wearable Sociometric Device for Enhanced Analysis and Optimization of Workplace Team Dynamics.	03/01/2024	12/05/2024	12/5/2024
99	Management	Patent	Soumen Nath	Model to efficiently capture persistent surveillance of user activity and use profiling behaviour in complex networks	18/08/2023	09/08/2023	08/09/2023
100	Management	Patent	Soumen Nath	Blockchain and IOTs Role in the Indian Banking Sectors Digital Transition	30/06/2023	30/06/2023	Nil
101	Management	Patent	Soumen Nath	Analysis of Students Time Spending for Newspaper Reading to Attain Effective English Communication	24/06/2023	06/06/2023	Nil
102	Management	Patent	Soumen Nath	A system for leveraging AI and data analytics for predictive modeling of consumer green purchasing behavior and method thereof	22/01/2024	11/03/2024	Nil



Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
103	Management	Patent	Dr. Anirban Hazra	Impact on investment pattern with special reference to small and medium capitalization companies	22/06/2022	22/07/2022	Nil
104	Management	Patent	Dr. Anirban Hazra	Analysis of student's time spending for newspaper reading to attain effective English communication	24/06/2023	30/06/2023	Nil
105	Management	Patent	Dr. Anirban Hazra	Blockchain and IOT's role in the Indian banking sector's digital transition	30/06/2023	07/07/2023	Nil
106	Management	Patent	Dr. Anirban Hazra	Wearable Sociometric Device	01/03/2024	02/05/2023	02/05/2023
107	Management	Patent	Arunima Hazra	An artificially Intelligent system to strategize and predict employee attrition and retention in hr management	08/01/2025	17/01/2025	17/01/2025
108	Management	Copyright	Arunima Hazra	LITERARY/ DRAMATIC WORK BUSINESS MODELS OF RURAL HANDICRAFT IN THE CONTEXT OF PATTACHITRA" in the field of Rural Handicraft business models.	16/06/2024	21/08/2024	21/08/2024
109	Management	Patent	Soumi Chakraborty	Analysis of student's time spending for newspaper reading to attain effective English communication	24/06/2023	30/06/2023	Nil
110	Management	Patent	Soumi Chakraborty	Wearable Sociometric Device	01/03/2024	05/02/2023	02/05/2023
111	Mechanical Engineering	Patent	1. Dr. Ranjan Kumar 2. Mr. Sudipta Nath 3. Mr. Saurabh Adhikari 4. Dr. Shahnawaz Khan 5. Mr. Shamim Haidar	Piston bowl for a dual-fuel hydrogen diesel engine	25/02/2025	21/03/2025	Nil
112	Mechanical Engineering	Patent	1. Dr. Ranjan Kumar 2. Dr. Md Ershad 3. Mr. Saurabh Adhikari	Automatic Food Serving Machine	21/01/2025	30/01/2025	Nil
113	Mechanical Engineering	Patent	1. Dr. Ranjan Kumar 2. Dr. Arnab Das 3. Mr. Saurabh Adhikari	Modular Biodegradable Solar-Powered Water Purification System	21/01/2025	30/01/2025	Nil
114	Mechanical Engineering	Patent	1. Dr. Md Ershad 2. Dr. Ranjan Kumar 3. Mr. Saurabh Adhikari	Bioactive glass composition for bone healing	25/02/2025	21/03/2025	Nil

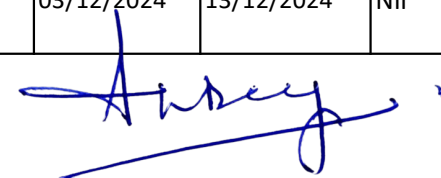
Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
115	Mechanical Engineering	Patent	1. Dr. Md Ershad 2. Dr. Ranjan Kumar3. Dr. Dharmendra Kumar4. Mr. Saurabh Adhikari	System for monitoring and classifying mosquito repellents	21/01/2025	31/01/2025	Nil
116	Mechanical Engineering	Patent	1.Dr. Ranjan Kumar 2.Dr. Arnab Das 3.Mr. Saurabh Adhikari	Hybrid Solar Powered Car	21/01/2025	31/01/2025	Nil
117	Mechanical Engineering	Patent	1. Dr. Md Ershad 2. Dr. Ranjan Kumar3. Mr. Priyam Mondal	Bioglass composition for bone replacement	25/02/2025	21/03/2025	Nil
118	Mechanical Engineering	Patent	Sayantan Sinha Biswas	Mechanically controlled multi-purpose squeeze and transportation cage for animals	25/02/2025	21/03/2025	Nil
119	Mechanical Engineering	Design Registration (UK)	1.Dr. Ranjan Kumar, 2. Mr. Saurabh Adhikari	Deep learning based portable aquaponics tunnel for fish fungal infections	18/02/2025	25/02/2025	25/02/2025
120	Mechanical Engineering	Design Registration	1.Dr. Ranjan Kumar 2.Dr. Arnab Das 3.Mr. Saurabh Adhikari	Folding mobile stand with charging management	17/01/2025	18/03/2025	18/03/2025
121	Mechanical Engineering	Patent	Dr. Atul , Dr. G divya Deepak, Dr. Ranjan Kumar, Dr. Piyush Pratap Singh	A smart material fabrication method for handling deflection suppression of plates	29/12/2021	04/02/2022	Nil
122	Mechanical Engineering	Patent	Dr. G divya Deepak, Dr. Atul, Dr. Ranjan Kumar,	Atmospheric pressure plasma jet generating system	01/01/2022	14/01/2022	Nil
123	Mechanical Engineering	Patent	Dr. Atul, Dr. G divya Deepak, Dr. Ranjan Kumar	Human Motion based energy harvesting Device	25/02/2022	04/03/2022	Nil
124	Mechanical Engineering	Patent	Sayan Paul, Abhishek Dhar, Soumya Ghosh, Sourabh Adhikari, Arijit Mukherjee, Ranjan Kumar, Sourav Saha	Smart solar glass cutter	07/07/2022	29/07/2022	Nil
125	Mechanical Engineering	Patent	Mr. Abhishek Dhar, Mr. Saikat Majumdar, Mr. Sayan Paul, Mr. Saurabh Adhikari, Mr. Soumya Ghosh, Mr. Titas Kumar Nag, Mr. Arijit Mukherjee, Mr. Sourav Saha, Ms. Rituparna Mitra, Mr. Avik Datta	Solar powered automated rooftop shielding mechanism	04/07/2022	29/07/2022	12/5/2023

Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
126	Mechanical Engineering	Patent	Soumya Ghosh, Abhishek Dhar, Saurabh Adhikari, Sourav Saha, Sayan Paul, Arijit Mukherjee, Ranjan Kumar	Hydraulic ram pump system for water lifting in hilly region	21/06/2022	29/07/2022	Nil
127	Mechanical Engineering	Patent	Ranjan Kumar, Samrat Biswas, Abhishek Dhar, Saurabh Adhikari, Saikat Majumder	Solar power water pump	20/03/2023	31/03/2023	Nil
128	Mechanical Engineering	Patent	Ranjan Kumar, Samrat Biswas, Abhishek Dhar, Saurabh Adhikari, Saikat Majumder	Solar-powered beard trimmer	20/03/2023	31/03/2023	Nil
129	Mechanical Engineering	Patent	Dr. Md Ershad, Dr. Ranjan Kumar, Mr. Saurabh Adhikari, Mr. Abhishek Dhar, Dr. Saikat Majumdar, Mr. Soumya Ghosh, Dr. Samrat Biswas	Sensor-based desalinization and hydroponic technologies to improve agricultural productivity of resource-scarce coastal saline areas	28/3/23	07/04/2023	Nil
130	Mechanical Engineering	Patent	Soumak Bose, Abhishek Dhar, Saurabh Adhikari, Subhranil Som,	Power generation using Speed Breaker	16/08/2023	08/09/2023	Nil
131	Mechanical Engineering	Patent	Suman Kumar Ghosh, Ranjan Kumar, Samrat Biswas, Soumak Bose, Abhishek Dhar, Saurabh Adhikari, Subhranil Som	Mini Blet grinder	16/08/2023	08/09/2023	Nil
132	Mechanical Engineering	Patent	Md. Ershad, Ranjan Kumar, Abhishek Dhar, Saurabh Adhikari, Subhranil Som	Plastic based composite for concrete production	17/08/2023	08/09/2023	Nil
133	Mechanical Engineering	Patent	Md. Ershad, Ranjan Kumar, Abhishek Dhar, Saurabh Adhikari, Subhranil Som	Fabrication and design of the solar air-cooler	25/08/2023	29/09/2023	Nil
134	Mechanical Engineering	Patent	Md. Ershad, Ranjan Kumar, Abhishek Dhar, Saurabh Adhikari, Subhranil Som	Automatic electromagnetic brake using ferromagnetic material scrap	26/08/2023	13/10/2023	Nil
135	Mechanical Engineering	Patent	Soumya Ghosh, Ranjan Kumar, Arijit Mukherjee, Samrat Biswas, Suman Kumar Ghosh, Abhishek Dhar, Saurabh Adhikari, Subhranil Som,	Solar powered automatic tobacco / non tobacco products vending machine	26/03/2024	05/04/2024	Nil
136	Mechanical Engineering	Patent	Md. Ershad, Ranjan Kumar, Abhishek Dhar, Saurabh Adhikari, Subhranil Som	Transformation of dairy byproduct into sustainable biodegradable material	07/04/2024	19/04/2024	Nil

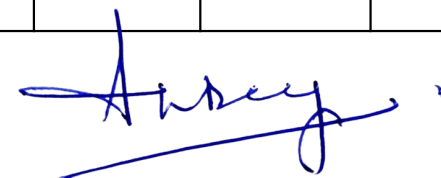


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137	Mechanical Engineering	Patent	Md. Ershad, Ranjan Kumar, Abhishek Dhar, Saurabh Adhikari, Subhranil Som	Intelligent autonomous wheel driven sprayer system for precision agriculture	07/04/2024	19/04/2024	Nil
138	Mechanical Engineering	Patent	Soumya Ghosh, Samrat Biswas, Sayan Paul, Ranjan Kumar, Abhishek Dhar, Saurabh Adhikari, Subhranil Som,	Solar air heater	07/04/2024	19/04/2024	Nil
139	Medical Laboratory Technology	Patent	Dr. Titlee Majumder	Interactive technology driven low cost virtual learning device NOODLE for equity to address digital divide	23/02/2023	10/03/2023	Nil
140	Medical Laboratory Technology	Patent	Dr. Rajen Dey	Bed for patients suffering from urinary incontinence	29/11/2023	11/10/2024	Nil
141	Medical Laboratory Technology	Patent	Manojit Bysack, Dr. Rajen Dey	System for automatic blood support in an operation theatre	25/02/2025	21/03/2025	Nil
142	Medical Laboratory Technology	Patent	Dr. Oly Banerjee	Method for producing a fermented beverage infused with medicinal plant extracts and pumpkin seed extract	12/03/2025	28/03/2025	Nil
143	Optometry	Patent	Sourav Karmakar	Stereo chromatic vergence therapy device for visual rehabilitation	01/04/2025	Yet to publish	Nil
144	Optometry	Patent	Sourav Karmakar	Vision Screening system	30/01/2024	Yet to publish	Nil
145	Psychology	Patent	Prarthita Biswas, Nilanjana Mitra , Subhadeep Mazumder, Debashis Roy, Papia Mukherjee , Liton Mallick, Mam Sameem, Dan Agervig Hansen, Abjel Mondal.	1. smart voice assisted learning device for visually impaired students , class: 14 recording, telecommunication or data processing equipment, subclass: 01 equipment for the recording or reproduction of sounds or pictures, Design number: 6295358	10/07/2023	18/07/2023	18/07/2023

Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
146	Psychology	Patent	Mitra Dhara Rupali, Poulomi Mistry, Sengupta Prantika, Das Shreyasi, Dubey Kumari Kriti, Mondal Kumar Kingsuk, Mukherjee Papia , Jaiswal Ganesh Swapnil, Sudam Kalyani, Thote Londhe Vitthal Muktanand, Dagaduappa Manmath Sontakke, Maske Vishwanath Sachin,	An efficient method and system for preparing nutrient-rich broccoli and cashew nut spread. application number: 202531001844 , journal no 03/2025	01/08/2025	17/01/2025	Nil
147	Computer Science & Engineering	Patent	Sumana Chakraborty, Sourav Saha, Sangita Bose, Jayanta Choudhury	Cardiovascular Diseases Prediction using Multimodal Methodology in Deep Learning	28/11/2024	06/12/2024	Nil
148	Computer Science & Engineering	Patent	Sumana Chakraborty, Sourav Saha, Sangita Bose	Brain Tumor Prediction using Machine Learning	27/11/2024	06/12/2024	Nil
149	Computer Science & Engineering	Patent	Sangita Bose, Sourav Saha, Diganta Bhattacharyya	YOUTUBE CLONE VIDEO LIBRARY	29/11/2024	06/12/2024	Nil
150	Computer Science & Engineering	Patent	Somsubhra Gupta, Sangita Bose, Sourav Saha, Jayanta Choudhury, Diganta Bhattacharyya	Crime pattern analysis and rate prediction	29/11/2024	06/12/2024	Nil
151	Computer Science & Engineering	Patent	Jayanta Choudhury, Somsubhra Gupta, Apurba Sarkar, Sourav Saha, Sangita Bose	Motion Maze-where Gestures Lead to Gaming Adventures	30/11/2024	06/12/2024	Nil
152	Computer Science & Engineering	Patent	Somsubhra Gupta, Sangita Bose, Sourav Saha, Diganta Bhattacharyya	Data analysis using machine learning on geo location data	30/11/2024	06/12/2024	Nil
153	Computer Science & Engineering	Patent	Sanjay Nag, Sourav Saha, Sangita Bose, Jayanta Choudhury	Parameter monitoring of incubator using IoT and Cloud	02/12/2024	13/12/2024	Nil
154	Computer Science & Engineering	Patent	Sangita Bose, Sourav Saha, Jayanta Choudhury, Diganta Bhattacharyya	Face mask detection in real time	03/12/2024	13/12/2024	Nil
155	Computer Science & Engineering	Patent	Jayanta Choudhury, Apurba Sarkar, Sourav Saha, Sangita Bose	Virtual Trial Room	03/12/2024	13/12/2024	Nil



Sl. No.	Department	Patent/ Copyright	Name of Faculty	Title	Date of Filing	Date of Publish	Date of Grant
156	Computer Science & Engineering	Patent	Sangita Bose, Sourav Saha, Jayanta Choudhury, Diganta Bhattacharyya	A Heart arrhythmia prediction using Artificial neural network	04/12/2024	13/12/2024	Nil
157	Computer Science & Engineering	Patent	Somsubhra Gupta, Sangita Bose, Sourav Saha, Diganta Bhattacharyya	Heart disease prediction from symptom analysis using machine learning	04/12/2024	13/12/2024	Nil
158	Computer Science & Engineering	Patent	Sangita Bose, Jayanta Choudhury, Diganta Bhattacharyya	Blockchain crowdfunding platform	24/11/2024	29/11/2024	Nil
159	Computer Science & Engineering	Patent	Bablu Pramanick, Somsubhra Gupta, Saurabh Adhikari, Sourav Saha, Abhishek Dhar, Ranjan Kumar Mondal	Robotic vehicle using ATMEGA328 microcontroller, ultrasonic sensor and Bluetooth for wireless control and data feedback, obstacle avoidance and autonomous maneuvers with precise area scanning	31/01/2024	09/02/2024	Nil
160	Computer Science & Engineering	Patent	S. Gayan, D. Das, S. Gupta, Sangita Bose, Sumana Chakraborty, Subrata Nandi	Hybrid Compiler	21/05/2024	19/07/2024	Nil
161	Computer Science & Engineering	Patent	Bablu Pramanick, Somsubhra Gupta, Saurabh Adhikari, Sourav Saha, Abhishek Dhar, Ranjan Kumar Mondal	ROBAL: A Robotic vehicle with Auto balancing	23/05/2024	09/08/2024	Nil
162	Computer Science & Engineering	Patent	S. Gupta, Chayan Paul, Jayanta Chowdhury, Pradip Sahoo, Aniket Dey, Manish Kumar Dubey, B.Chatterjee	SHARP: A compiler incorporating auto debugger with floating point arithmetic and variable length of Data	26/07/2024	09/08/2024	Nil
163	Computer Science & Engineering	Patent	Somsubhra Gupta, Alok Roy, Mainak Sur, Manisha Maity, Titlee Majumdar and Paromita Das	Interactive Technology-driven Low-cost Virtual Learning device NOODLE for equity to address digital divide	23/02/2023	10/03/2023	Nil
164	Computer Science & Engineering	Design	Dr. Subir Gupta, Soumyadipta Kar, Mohuya B. Kar, Anupam Das, Anirban Mitra, Anirban Das	Wearable Robotic Exoskeleton for Disabled	01/08/2023	08/09/2023	Nil
165	Computer Science & Engineering	Patent	Subir Gupta, Ranjan Kumar Mondal, Kaustav Dey, Pratik Bera, Sourav Saha, Soument Nath	Model to efficiently capture persistent surveillance of user activity and user profile behaviour in complex network	18/08/2023	08/09/2023	Nil



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166	Computer Science & Engineering	Patent	Bablu Pramanick, Somsubhra Gupta, Saurabh Adhikari, Sourav Saha, Abhishek Dhar, Ranjan Kumar Mondal	Robotic vehicle using ATMEGA328 microcontroller, ultrasonic sensor and Bluetooth for wireless control and data feedback, obstacle avoidance and autonomous maneuvers with precise area scanning	18/11/2023	09/02/2024	Nil
167	Computer Science & Engineering	Patent	Subir Gupta, Ranjan Kumar Mondal, Kaustav Dey, Pratik Bera, Sourav Saha, Soument Nath	Model to efficiently capture persistent surveillance of user activity and user profile behaviour in complex network	18/08/2023	08/09/2023	Nil
168	Computer Science	Patent	P.Das, B.Neogi, S. Gupta	MUSIC THERAPY DEVICE FOR DEAF AND DUMB	14/12/2024	09/01/2024	Nil
169	Computer Science	Patent	S. Gupta, Sraboni. Shaha	Smell sensing and actuation using embedded device over the network	23/05/2024	09/08/2024	Nil

