

Department of Biomedical Engineering

List of Patent Published/ Granted

CAY (2023-24)

SI No.	Inventors- Faculty	Title of Invention	Application No.	Present Status
1	Dr. Karabi Ganguly, Dr. Sandip Bag	Glycemic Stress Analysis and Wellness Monitoring	202431035191	Published on 10/05/24
2	Dr. Karabi Ganguly	Breathe Watch: Smart Respiratory Disorder Monitoring System	202431034762	Published on 10/05/24
3	Dr. Karabi Ganguly, Ms. Sumana Banerjee	Diabetes Alerting System	202431034768	Published on 10/05/24
4	Dr. Dibyendu Mandal, Dr. Karabi Ganguly	Multi-Purpose Biosensor for Signal Conditioning and analysis of Bio-Signals	202431026938	Published on 19/04/24
5	Dr. Dibyendu Mandal	Driver Drowsiness Avoidance System	202431026939	Published on 19/04/24
6	Dr. Sandip Bag	Heart Rate Monitoring System	202331027699	Published on 29/03/24
7	Dr. Karabi Ganguly	Motorized proposed approach for portable and mobile alarming to entail the manner of social distancing	202331029731	Published on 29/03/24
8	Dr. Dibyendu Mandal	A system for early detection of CTS through myo-propulsive activity of human	202331027245	Published on 22/03/24
9	Dr. Karabi Ganguly	AI Based embedded technique to determine the degree of anesthesia using orbicularis oculi reflex as an indicator	202331027023	Published on 22/03/24
10	Dr. Karabi Ganguly, Ms. Swati Sikdar	Intelligent Heft- Based Displacement Detector Device	202231068234	Published on 15/03/24
11	Dr. Karabi Ganguly	Automated Nail Art Device	202331060311	Published on 24/10/23

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CAYm1 (2022-23)

SI No.	Inventors- Faculty	Title of Invention	Application No.	Present Status
1	Dr. Karabi Ganguly	Customizable Stamping Device	202331036958	Published on 02/06/23
2	Dr. Sandip Bag	Tennis Shot Training Device	202331036955	Published on 02/06/23
3	Dr. Dibyendu Mandal	Staircase Ascending Assistive Device	202331036954	Published on 02/06/23
4	Dr. Dibyendu Mandal, Ms. Swati Sikdar	Abdominal Exercise Device	202231041395	Published on 05/08/22
5	Dr. Karabi Ganguly, Dr. Dibyendu Mandal	A System for Monitoring of SpO2 and Heart Rate	202231037836	Published on 16/09/22
6	Dr. Dibyendu Mandal, Dr. Karabi Ganguly	A Method & System for Recognition of User Hand Gesture	202231036677	Published on 09/09/22
7	Dr. Sandip Bag	Adaptive Container Opening Device	202231041391	Published on 05/08/22
8	Dr. Karabi Ganguly	Training System for Aiming Targets	202231041394A	Published on 05/08/22
9	Dr. Karabi Ganguly, Dr. Sandip Bag	Adaptable Infant-Body Massaging Device	202231041393A	Published on 05/08/22
10	Ms. Swati Sikdar	Eye-Makeup Application Device	202231036545	Published on 29/07/22
11	Dr. Karabi Ganguly	Automated Hand Nourishing Device	202231036548A	Published on 29/07/22
12	Dr. Sandip Bag	Curative Thumb Exercising Device	202231036544	Published on 29/07/22
13	Dr. Karabi Ganguly	Muscular Disability Based Exercising Assistive Device	202231036549A	Published on 22/07/22

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CAYm2 (2021-22)

SI No.	Inventors- Faculty	Title of Invention	Application No.	Present Status
1	Dr. Karabi Ganguly, Ms. Swati Sikdar	Portable, Currency Sterilizable Device	202131009088	Published on 13/11/21

CAYm3 (2020-21)

SI No.	Inventors- Faculty	Title of Invention	Application No.	Present Status
1	Dr. Karabi Ganguly, Dr. Sandip Bag	A Grafting Biomaterial from Waste Egg Shell	201831007121 Patent No.- 350843	Granted on 04/11/2020
2	Ms. Sayanti Guha, Ms. Swati Sikdar, Dr. Sandip Bag, Dr. Karabi Ganguly	Pneumatic Mattress	201931031451	Published on 16/10/2020