

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor(s) Name	Title of the Invention	Applicants Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Department
1	202331078668	Published	1. Dr. Lakhbir Singh Brar 2. Dr. Dipti Prasad Mishra 3. Rishikesh Sharma 4. Dr. Om Prakash 5. Dr. Nirmal Kumar	A FIN AND TUBE TYPE HEAT EXCHANGER	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	20-11-2023	01-12-2023	202331078668	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	Department of Mechanical Engineering
2	202331079025	Published	1. Abhinandan Kumar 2. Arkadeb Mukhopadhyay	A SURFACE COATING AND METHOD OF PREPARATION THEREOF USING COMPUTATIONAL TOOLS	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	21-11-2023	24-11-2023	202331079025A	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	Department of Mechanical Engineering
3	202331080927	Published	1. Dr. Om Prakash 2. Vijay Kumar Pandey 3. Dr. Lakhbir Singh Brar 4. Dr. Anil Kumar	A HEAT STORAGE AND RELEASE SYSTEM FOR ENERGY MANAGEMENT IN SOLAR POWER PLANT	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	24-11-2023	01-12-2023	202331080927A	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	Department of Mechanical Engineering
4	202331075835	Published	1. Rohit Agrawal 2. Dr. Arkadeb Mukhopadhyay 3. Dr. Prasanta Sahoo 4. Dr. Tapan Kumar Barman	A METAL COATING PROCESS FOR TRIBOLOGICAL APPLICATIONS AND A COATED SURFACE OBTAINED THEREFROM	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	06-11-2023	24-11-2023	202331075835A	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	Department of Mechanical Engineering
5	202331081603	Published	1. Dr. Jay Prakash Pandey 2. Dr. Rajeev Kumar 3. Smita Singh 4. Dr. Gautam Sen	A MODIFIED PLANT-BASED POLYSACCHARIDE BINDER, METHOD OF ITS PREPARATION AND USE THEREOF	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	30-11-2023	15-12-2023	202331081603A	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	1st 3rd and 4th Department of Chemistry  2nd Department of Mechanical Engineering
6	202331083441	Published	1. BRAR, Dr. Lakhbir Singh 2. PRAKASH, Dr. Om 3. SHARMA, Rishikesh	A FIN AND TUBE TYPE HEAT EXCHANGER	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	07-12-2023	22-12-2023	202331083441	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	Department of Mechanical Engineering
7	202431021999	Published	1. Deepak Raj 2. Dr. Rajeev Kumar	An alpha Steam-based Stirling System for Power Generation and Method Thereof	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	21-03-2024	05-04-2024	202431021999	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	Department of Mechanical Engineering
8	202331085600	Published	1. Dr. Anil Chandra Mahto 2. Prabhat Ranjan Mahto 3. Dr. Mukesh Sharma 4. Dr. Arkadeb Mukhopadhyay 5. Dr. Arun Kr. Kadian	A Variable Inertia Fly Wheel for Power Controlling and Delivering Systems	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	14-12-2023	19-01-2024	202331085600 A	BIRLA INSTITUTE OF TECHNOLOGY, MESRA	Department of Mechanical Engineering