



**Research & Development Cell (RDC)**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
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**Patent Details (Published & Granted)**  
**(Jan 2021-Dec 2021)**

**Total Published: (11) & Total Granted: (02)**

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number
<b>Published</b>								
1	202031037100	Published	Dr. Sanjay Kumar Swain Chemical Engg. BIT Mesra	A Household Filter Unit Using Iron Ore Fines (IOF) And Manganese Ore (Mo) For Decontamination of Arsenic from Groundwater	Birla Institute of Technology	28.08.2020	12.11.2021	46/2021
2	201931037081 A	Published	Dr. Raju Poddar BEBT BIT Mesra	A Method and Apparatus for Imaging of Vasculature Of Human Eyes Adapting An Intensity Disparity Field Subtraction Optical Coherence Technique	Birla Institute of Technology	14.09.2021	19.03.2021	12/2021
3	202121024478	Published	Dr. D. K. Mallick CSE BIT Mesra	A System and Method for Bipedal Walking Trajectories Generation and Analysis Of Gait Abnormality	Dr. D. K. Mallick CSE BIT Mesra	01.06.2021	20.08.2021	34/2021
4	202111019302	Published	Dr. Mahendra Pratap Swain, Pharmacy BIT Mesra	AI-based hybrid leg wheel tracks the ground mobile robot	Dr. Mahendra Pratap Swain, Pharmacy BIT Mesra	27.04.2021	30.04.2021	18/2021
5	202141025986	Published	Dr. Aminul Islam ECE BIT Mesra, Dr. S.Kumar Dubey ECE, BIT Mesra	AlGaIn/GaN Based HEMT for RF and Low Noise Application	KG Reddy College of Engineering and Technology	10.06.2021	03.12.2021	49/2021
6	202141025985	Published	Dr. Aminul Islam ECE BIT Mesra, Dr. S.S. Solanki ECE, BIT Mesra	Design of Embedded Radiation Hardened Cache Memory Cell	KG Reddy College of Engineering and Technology	10.06.2021	03.12.2021	49/2021
7	202141053270	Published	Dr. Mahendra Pratap Swain, Pharmacy BIT Mesra	Effective Click Fraud Detection for Mobile App Using DL, Python and Open- CV	Dr. Mahendra Pratap Swain, Pharmacy BIT Mesra	19.11.2021	03.12.2021	49/2021
8	202141021959	Published	Dr. Mahendra Pratap Swain,	Human Activity Recognition using	Dr. Mahendra Pratap Swain,	15.05.2021	02.07.2021	27/2021

