

**List of Projects Details in the Department
of Mathematics**

Sl. No	Name of the Project	Tenure	Budget(In Rupees)	Funded By	Principle Investigator	Status
1	Mathematical studies by means of numerical simulation of some interacting populations with ecological behavior	3 years	Rs 15.31 Lakh	NBHM	Dr. Paritosh Bhattacharya (PI)	Running
2	Solving Multiple Gravity Assist Spacecraft Trajectories Optimization problem by Metaheuristic Algorithms	3 years	Research Grant: Rs. 2,00,000/- per annum Overheads: Rs. 20,000/- per annum	By: SCIENCE & ENGINEERING RESEARCH BOARD (SERB)	Dr. Apu Kumar Saha(PI)	Running
3	Development of Mathematics proficiency in North-East India.	3 years	Rs.2,24,47,000/- per annum	DST-STUTI	Dr. Uttam Kumar Bera (PI) Dr. Paritosh Bhattacharya and Dr. Baby Bhattacharya. (CO-PI)	Running
4	Long Term Trend in Weather Parameters and Atmospheric Chemistry and its Effect on Tea Cultivation over North-East India (TDP code: S-TIC-NR-0107,NRSC) Duration : 36 Months	Oct 2019- Oct 2022	Rs. 19.804 Lakh	Indian Space Research Organisation (ISRO), Dept. of Space, GOI	Dr. Paritosh Bhattacharya (PI)	Completed

5	A study on deterministic model for HIV/ AIDS through Stability Analysis and Approximate Analytical Method	June 2019 – Sept 2020	Rs 4.18 Lakh	AICTE - NPIU	Dr. Paritosh Bhattacharya (Co PI)	Completed
6	Design Development & Demonstration of Solar Dryer Suitable for Drying Natural Rubber Sheets in North East India.	July 2017- March 2021	21.40 Lakh	Ministry of New and Renewable Energy (MNRE), New Delhi	Dr. Paritosh Bhattacharya (Joint PI)	Completed
7	Nonlinear plasma wave dynamics in unbounded planar or bounded nonplanar geometry.	2019	14.11 Lakhs	CSIR	Dr. Uttam Kumar Bera (Co-PI)	Completed

8	Modelling of Green Logistic under different uncertain environment using soft computing	2019-2020	05.37 Lakhs	AICTE	Dr. Uttam Kumar Bera (Co-PI)	Completed
9	Spatial distribution of uranium and associated water quality parameters of all districts of Tripura	21.01.19-20.01.21	26.30 Lakhs	BRNS	Dr. Uttam Kumar Bera (Co-PI)	Completed
10	Transportation Problems for breakable/deteriorating items under constraints in Uncertain Environment.	April 2015 to March 2018	15. 61 Lacks	DST	Dr. Uttam Kumar Bera	Completed
11	Modernization of Computer Laboratory (MODROBS)	April 2012 to March 2013	10. 00 Lacks	AICTE	Dr. Uttam Kumar Bera	Completed
12	Modernization of Computer Laboratory	April 2011 to March 2012	10.00 Lacks	AICTE	Dr. Debashish Bhattacharjee & Dr. Apu Kumar Saha	Completed