University Sponsored Minor Grant Phase-4
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Sl No.	Title of the Project	Name of the Principal Investigator (PI) (Department)	Name of the Co-principal Investigator (Co-PI) (Department)	File No.	Amount Approved (In Rs.)	Start date	Closure date	Project Status
1.	Designing of a therapeutic strategy against *Staphylococcus aureus* by selective targeting of bacterial topoisomerases for antibiofilm activity using conventional topoisomerase inhibitors as well as DNA intercalating phytochemicals	Dr. Ishita Rehman (Biotechnology)	Dr. Madhu Sudan Das (Computer Science and Engineering)	TNU/R&D/MG/24/01	1 lakh	September 6, 2024	April 15, 2026	Completed
2.	AI assisted combinatorial approach to strategically reduce the lethal dose of vancomycin to address the inevitable threat of Antimicrobial Resistance (AMR)	Dr. Sharmistha Das (Biotechnology)	Dr. Usha Rani Gogoi (Computer Science Engineering)	TNU/R&D/MG/24/02	1 lakh	September 6, 2024	April 08, 2026	Completed

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3.	Isolation and characterization of pectinase producing bacteria from waste water by using new media formulation with waste peels for application in juice clarification and antimicrobial effect	Dr. Sarita Sarkar (Biotechnology	Dr. Shuvadeep Halder (Horticulture and Food Science), Dr. Ranojit Kumar Sarker (Biotechnology)	TNU/R&D/MG/24/03	1 lakh	September 6, 2024	April 08, 2026	Completed
4.	Combating the Rise of infections linked with *Escherichia coli*: Reviving dead and Old Antibiotics	Dr Payel Paul (Biotechnology)	Dr. Ayan Chaatterjee (Basic Science)	TNU/R&D/MG/24/04	1 lakh	September 6, 2024	April 16, 2026	Completed
5.	Biogenic Adsorbents for the Removal of Environmental Contaminants	Dr. Wasim Akram Shaikh (Basic Science)	Dr. Hakim Mudasir Maqsood (Aquaculture)	TNU/R&D/MG/24/05	1 lakh	September 6, 2024	April 10, 2026	Completed
6.	Hydroxyapatite biocomposites and its use for waste water purification	Dr. Suchandra Goswami (Physics)	Dr. Manashi Chakraborty (Chemistry)	TNU/R&D/MG/24/06	1 lakh	September 6, 2024	April 10, 2026	Completed
7.	A Comparative Analysis of Diverse Designs of Fish Cages used in Aquaculture	Ms. Aditi Banasure (Fisheries Engineering)	Dr. Khemraj Bunkar (Fisheries Economics, Extension and Statistics)	TNU/R&D/MG/24/07	1 lakh	September 6, 2024	April 10, 2026	Completed
8.	Prediction and identification of early blight disease in Solanaceous crops using deep learning algorithms.	Dr. Trisha Manna (Soil Science and Agricultural Chemistry)	Dr. Arghya Banerjee (Plant Pathology), Dr. Koushik Sen (Agricultural Entomology), Dr. Sushil Kumar Kothari (Agronomy	TNU/R&D/MG/24/08	1 lakh	September 6, 2024	April 28, 2025	Completed

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			and Agro-forestry), Mr. Bhaskar Roy (Computer Science and Engineering)					
9.	Monitoring moisture, electrical conductivity and N, P, K of Soil using sensors and their utilization to enhance the crop improvement.	Dr. Sruba Saha (Genetics and Plant Breeding)	Mrs. Sangeeta Barua (Robotics and automation), Prof. Sushil Kumar Kothari (Agronomy)	TNU/R&D/MG/24/09	1 lakh	September 6, 2024	April 10, 2026	Completed
10.	Energetically effective rice straw-glycerol briquettes: Waste to Wealth Perspective	Dr. Shankha Koley (Agricultural Engineering)	Dr Subhadip Pal (Agricultural Economics), Mr Aminul Islam (Agricultural Engineering)	TNU/R&D/MG/24/10	1 lakh	September 6, 2024	April 13, 2026	Completed
11.	Introduction and performance evaluation of Makhana (*Euryale ferox* Salisb) elite clones	Dr. Saumi Goswami (Agronomy and Agroforestry)	Prof. Sushil Kumar Kothari (Agronomy), Dr. Shuvadeep Halder (Horticulture and Food Science)	TNU/R&D/MG/24/11	1 lakh	September 6, 2024	April 11, 2026	Completed
12.	Real time Implementation of Machine Learning Technology Based Heart Health Monitoring System	Chitra Bag (Medical Laboratory Technology)	Dr. Usha Rani Gogoi (Computer Science and Engineering), Samik Samanta (Administration)	TNU/R&D/MG/24/12	1 lakh	September 6, 2024	April 10, 2026	Completed

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13.	Development & validation of a new economical analytical method for quantitative determination of some new drugs in bulk as well as in their Pharmaceutical formulations using RP-HPLC for industrial use	Dr. Somsubhra Ghosh (Pharmacy)	Dr. Sankhadip Bose (Pharmacy), Prof. Subas Chandra Dinda (Pharmacy)	TNU/R&D/MG/24/13	1 lakh	September 6, 2024	August 07, 2025	Completed
14.	Formulation and Evaluation of Semisynthetic Micro-emulsion of Quercetin Derivatives for its Improved Anti-oxidant Activity	Dr. Sankhadip Bose (Pharmacy)	Dr. Somsubhra Ghosh (Pharmacy), Dr. Subas Chandra Dinda (Pharmacy), Dr. Haimanti Goswami (Physiotherapy)	TNU/R&D/MG/24/14	1 lakh	September 6, 2024	November 26, 2025	Completed
15.	Establishment of *Tussilago farfara* (Coltsfoot) Linn. to be utilized as new anticancer agent	Mr. Rajeswar Das (Pharmacy)	Mr. Parag Ghosh (Pharmacy); Dr. Shuvadeep Halder (Horticulture & Food Science); Prof. Subas Chandra Dinda (Pharmacy)	TNU/R&D/MG/24/15	1 lakh	September 6, 2024	April 10, 2026	Completed

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