

Details of Research Activities/Projects Running in Tripura Universit upto 2026-27 (as per records available)										
Sl.	Dept.	Name of Faculty	Funding Agency	Amount	File No.	Remarks	Status of the Research Activity	Sanctioned year	Duration	Title of the Research Project
1	Physics	Prof. Syed Arshad Hussain	SERB	3940673	428	Submitted for UC for FY 2024-25	Ongoing	2021-22	3 Years	Switching and memory applications of organic molecules, organo-clay and organic-inorganic hybrids assembled onto thin films
2		Prof. Syed Arshad Hussain	CSIR	1900000	457	No UC issued till date	Ongoing	2023-24	03 years	A Study of optical electrical and electrochemical properties of some organic molecules suitable for Organic Electronics devices
3		Prof. Syed Arshad Hussain	UGC DAE	684360	459	UC issued on 30/03/2025	Ongoing	2023-24	03 Years	Study of chromatic response of Polytdiacetylene (PDA) and demonstration of its application towards designing low cost colorimetric sensors
4		Prof. Syed Arshad Hussain	ANRF	1830000	479	Issued UC on 13/05/2025	Ongoing	2024-25		Development of low index-cost & flexible artificial visual perception system utilizing biopolymer memristors.
5		Dr. Anirban Guha	ISRO	574099(2026-27)	183	Running from 2010-11	Ongoing	2010-11		ARFI
6		Dr. Anirban Guha	ISRO	1932821	458	Submitted for UC	Ongoing	2023-24	03 Years	Origin of water and hydroxyl mecleules in llunar exosphere
7		Dr. Ratan Das	UGC	75000	448	UC issued on 28/07/2025	Ongoing	2022-23		Determinatin of SHI irradiation induced dislocation density in rare earth metal doped selective dilute magnetic semiconductor nanocrystals from XRD peak profile analysis and its influence on the optical, electrical and magnetic properties
8	Chemistry	Dr. Swapan Kr. Biswas	ANRF	5417233	487		Ongoing	2025-26	3 years	Green Synthesis of Pyranol[2-3-c]pyrazole derivatives via multi-component reactions (MCRs)
9		Dr. Anirban Chandra	ANRF	6810240	488		Ongoing	2025-26	3 years	Fabrication , Characterization & Spectroscopic Investigation Of Epitaxial Heterometallic 3D-SURMOF Thin Films For High-Efficiency Electrocatalytic Water-Splitting: A Sustainable Solution for clean Hydrogen Production
10	Geography & DM	Dr. Saptarshi Mitra	DST	2039972	390	Final UC 2019-21 date: 20/03/2025, Final Settlement pending	Ongoing	2019-20	2 years	Identification , assessment and model building of urban morphology using geospatial techniques - A study of border city Agartala,Tripura
11		Dr. Saptarshi Mitra	DBT	4006012	402	Last UC issued on 19/12/2024	Ongoing	2019-20	DBT	Environmental impact of anthropogenic activites on wetland biodiversity of Rudrasagar Lake,The Ramsar site of Tripura
12		Dr. Saptarshi Mitra	ICSSR	745000	406	Last UC issued on 22/03/2023	Ongoing	2019-20	2 years	Tribal culture & problems, prospects & strategies for development of tourism economy in Tripura: A geographical appraisal
13		Dr. Gobinda Gopal Khan	UGC-DAE	480000	388	It is renamed as 410per sanctioned register	Ongoing	2019-20		Defect engineering of nanomaterials using ion beam irradiation for eco-friendly energy harvesting

14	MSEN	Dr. Gobinda Gopal Khan	UGC DAE	679320	434	Last UC on 23/04/2024	Ongoing	2021-22	3 Years	Engineered Nanostructures for Solar energy & fuel
15		Dr. P.K.P Rupa	SERB	3997242	431	UC processed on 22/05/2025	Ongoing	2021-22	3 years	Development of thermally responsive cellulose based ceramic precursor materials for direct ink writing
16	Pharmacy	Dr. Pratap Chandra Acharya	DBT	41826888	423	Last UC on 01/05/2025	Ongoing	2021-22	5 Years	Establish a drug metabolomics lab for North-Eastern states
17		Dr. Rajat Ghosh	DHR	2978800	500		Ongoing	2025-26	3 years	Design & Development of Pharmacophore Targeting p53 for the Treatment of Triple Negative Breast Cancer (TNBC)
18	Human Physiology	Dr. Debasish Maity	DBT	4972120	400	Last UC 23/12/2024 upto 31/03/2024 in 2025 only interest earned	Ongoing	2019-20	DBT	Study of induction and mechanisms of autophagy in EAC cells upon treatment with theaflavins
19		Prof. Samir Kumar Sil	DBT	2479300	485		Ongoing	2025-26	3 years	Exosome mediated targeted delivery of apoptosis-inducing agents to Prostate Cancer
20		Prof. Samir kumar Sil	ICMR	370800	495		Ongoing	2025-26	1 year	Identification of potential small molecules for epigenetic-based cervical cancer therapy from chemical database of edible wild fruits & vegetables of Tripura, North-East India
21	Commerce	Dr. Subir Kr. Sen	ICSSR	1200000	409	need to discuss	Ongoing	2019-20		A study of interrelationship between surface transportation network & pattern of commodity flows in NE region of India
22	Economics	Prof. Subhrabaran Das	GOI, 16th FC	652525	475	No UC issued till date. Discuss with PI	Ongoing	2024-25	06 months	Study on evaluation of finances for the Tripura State
23		Prof. Salim Shah & Dr. Manish Das	IIE	645000	466	UC issued on 30/04/2025	Ongoing	2023-24	03 Years	Establish, Develop and manage entrepreneurship development centre (RDC) & Incubation Centre's (IC) in North East Region's educational institute.
24	Microbiology	Dr. Ashwini Chauhan	DST	6586067	411	Last UC issued on 09/11/2021 (Transferred to DU)	Transferred to DU	2019-20	3 Years	In vivo venous catheters associated biofilm infection surface treatment using nanomaterials NMs to decrease the thrombotic & infection risks.
25		Dr. Ashwini Chauhan	ICMR	5307720	419	Transferred to DU	Transferred to DU	2020-21		Devising Multi-Characteristic surface coating for central venous catheters to prevent biofilm colonization & associated infections
26		Dr. Ashwini Chauhan	SERB	1614400	429	Transferred to DU	Transferred to DU	2021-22		Bacteriophages and their products for controlling the biofilms of drug resistant klebsiella pneumoniae
27		Prof. Shaon Ray Choudhury	UGC	1011000	455	UC issued on 25/03/2025 for FY 2024-25	Ongoing	2023-24	03 Years	Understanding the efficacy of hexamine removal from simulated sewage water by low ionizing radiation exposed Micrmonospora citrea SRCHD01 and Micrococcus luteus SRCHD02
28		Prof. Shaon Ray Choudhury	DST	3425376	460	Submitted for UC	Ongoing	2023-24	03 Years	Developing Rapidex the liquid sewage treatment system Scheme code: 1819

29	Microbiology	Prof. Shaon Ray Choudhury	DST	7450512	476	UC processed but not received.	Ongoing	2024-25	02 Years	Empowering Tripura's rural women through sustainable and efficient lemongrass harvesting and low carbon oil extraction.
30		Dr. B.K. Sharma & Dr. A. Chakraborty	UGC-DAE	1200000	470	UC issued on 28/03/2025	Ongoing	2023-24	03 Years	Analyzing the modulation of alcohol tolerance ability of some potential yeast strains isolated from the traditional rice beer of Tripura by gamma irradiation.
31		Dr. B.K. Sharma	DBT	3662280	501		Ongoing	2026-27	3 years	Isolation Characterization, Valorization & Sustainable Packaging of Low Alcoholic Beverage of Major Tribes of Transboundary Area of Bodoland Territorial Region & North Tripura.
32		Dr. B.K. Sharma	DBT	4509034	502		Ongoing	2026-27	3 years	Probiotic Characterization & Molecular Identification of Associated Bacterial Population from Lonailish of Tripura for Creation of Consortia to Make Fermented Fish Products with Improved Organoleptic & Probiotic Qualities.
33	Fine Arts	Dr. Rajesh Bhowmik	Textiles Ministry, GOI	1498000	416	Submitted for UC & SE but did not get till date	Ongoing	2020-21	1 Year	Existence of potteries in North-Eastern region of India
34	CSE	Dr. M.K. Bhowmik	DBT	3991360	430	Submitted for UC for FY 2024-25	Ongoing	2021-22	3 years 6 months	Multimodal Non-invasive image analysis using deep learning approach for automated diagnosis of Arthritis and prediction of disease severity
35		Dr. M.K. Bhowmik & Dr. Anjan Kr. Dhua	ICMR	3734235	446	No UC & SoE for 24-25 till date	Ongoing	2022-23	3 years	Infrared Signature of Paediatric surgical wound thermographic profiles and early stage test-accuracy study to predict the surgical site infection and development of deep learning based artificial intelligence technique for automatic image segmentation
36		Dr. Abhishek Majumder & Dr. S. Debnath	IIT	8100000	464	UC issued on 12/11/2025	Ongoing	2023-24	02 Years	Development of a Platform for Tripura's Handicraft Empowerment using Ensemble Technologies under the Tribal Area Sub Plan (TSP) scheme of IBITF
37	Linguistics & TL	Dr. Khawlsoukim Suantak	ICSSR	1128750	447		Ongoing	2022-23	1 Years 11 Month 30 Days	On the variation of numeral bases and numeral classifiers in South-Central Tibeto-Burman (Kuki-Chin) language
38	Phy. Edn.	Dr. Prasanta Kumar Das	NCW	1221000	454	No UC issued till date	Ongoing	2023-24	No details	Women in sports
39	IT	Prof. Swanirbhar Majumder	DST SERB-CRG	3018312	461	Submitted for UC	Ongoing	2023-24	03 Years	Development of a Kokborok Repository for Indian Sign Language (ISL) for Hearing Impaired People of Tripura
40		Dr. Jayanta Pal	NGIN	2500000	403	Tranferred from Student Welfare (Tapas Malakar). Last UC issued on 09/01/2025	Ongoing	2024-25	3 years	Startup
41		Prof. Sabyasachi Dasgupta	Govt. of Tripura	400000	462	No UC issued till date	Ongoing	2023-24	07 Months	Conservation Status and Habitat characteristics of Gour & Hoolock Gibbon in Trishna Wildlife Sanctuary and Bison National Park.

	Forestry									Comprehensive assessment of food availability, diet composition and habitat – specific conservation needs for flagship species across clouded Leopard National Park and Sepahijala Wildlife Sanctuary.
42		Prof. Sabyasachi Dasgupta	Dept. of Forest, GOT	340000	471	No UC issued till date	Ongoing	2023-24	06 Months	
43	Sanskrit	Dr. K.S. Suman	ICPR	900000	463	Submitted for UC	Ongoing	2023-24	03 Years	An agglomeration of the Principal Upanishads in Dwalta Perspective..
44		Dr. Vishav Bandhu	CSU	300000	477	No UC issued till date. Transferred from other university	Ongoing	2024-25		Digital & Online resources institution - A comprehensive and critical edition of the Yaska's Nirukta with an online repository.
45	History	Dr. Lincoln Reang	ICSSR	1500000	483		Ongoing	2024-25	2 years	The Culture Heritage Of the Riang Of Tripura : Exploring Challenges & Solutions
46	CPEN	Dr. Sachin Bhaladhare	UGC-DAE	226440	465	UC issued on 07/04/2025	Ongoing	2024	12 Months	pH-responsive stable and biocompatible chitosan-based nanogels for controlled and target-specific drug delivery.
47		Dr. Harjeet Nath	TU- INCUBATOR	325000	478		Ongoing	N/A		N/A
48	Mol. Biology & Bioinform.	Dr. Arabinda Ghosh	ANRF	6081065	489		Ongoing	2025-26	3 years	Integrative machine learning & Molecular Cloning approach of enhanced versatility of Xylooligosaccharides synthesis, Nano Formulations & its antiproliferative function towards colorectal adenocarcinoma inhibition
49		Dr. Surajit Bhattacharjee	ICMR	12641356	494		Ongoing	2025-26	3 years	Integrating Gut Microbime, Hormonal Profiles & Lifestyle Factor for AI-Driven Metabolic Risk Prediction in Adolescents from Tripura, Northeast India with Adipocyte Validation
50	Bengali	Dr. Malay Deb	Govt. of Tripura	100000	503		Ongoing	2026-27	1 Year	Chakma and Mog Folktales of Tripura: A Comparative Socio-Cultural Study
51	Botany	Dr. Panna Das	DBT	2657120	432	Last UC on 28/04/2025	Ongoing	2021-22	3 Years	Exploration of native legumes and characterization of associated nitrogen fixing microsymbionts in North-Eastern India for development of biofertilizers
52		Prof. B.K. Datta	Dept. of Forest, GOT	3918000	424	UC issued on 02/12/2024	Ongoing	2021-22	03 Years	Assessment of biological diversity in Tripura under project for sustainable catchment forest management in Tripura (SCATFORM), JICA
53		Prof. B.K. Datta	Dept. of Forest, GOT	495000	439	No UC issued till date	Ongoing	2022	6 months	Studies of floral and faunal diversity in and around of Rudrasagar lake under Melaghar range
54		Prof. B.K. Datta	Dept. of Forest, GOT	120000	440	No UC issued till date	Ongoing	2022	03 Years	Assessment of species distribution and relationship with lake environment under Melaghar range
55		Prof. B.K. Datta	AUS	795000	480	No UC issued till date	Ongoing	2024-25	01 years	Social, Ecological, Environment & Economic Analysis of Sone Beel: Implications for Sustainable Management
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