

Tezpur University
Office of the Dean, Research and Development
Registration Numbers for sponsored and consultancy Research Projects

Sponsored Research Projects:

Sl. No.	Title	Registration No.	Principal Investigator / Coordinator	Remarks
1.	Collaborative Project of Dr. D.K. Bhattacharyya with Mr. D. Chutia, Scientist SD, NESAC. Title: "Application of Data mining techniques in improving the classification accuracy of high resolution satellite data".	DoRD/CSE/DKB/20-01	Prof. D.K. Bhattacharyya, Dept. of CSE	
2.	DST Project entitled "Integrated Arsenic & Iron Removal from contaminated ground water	DoRD/Chem.Sc./RKD/20-02	Dr. R.K. Dutta, Dept. of Chem. Sc.	Incomplete
3.	BRNS Project entitled "Synthesis and characterization of binary nanoparticles: A conjugate of magnetic nanoparticles and semiconductor quantum dots"	DoRD/Phy/PD/20-03	Dr. P. Deb, Dept. of Physics	
4.	"Agro-climatic zone based mapping of RER in Assam"	DoRD/Energy/DCB/20-04	Prof. D.C. Baruah	
5.	"Laboratory study of Fluoride removal from groundwater using acid-enhanced limestone defluoridation technique"	DoRD/Chem.Sc/RKD/20-05	Dr. R.K. Dutta, Dept. of Chem. Sc.	Incomplete
6.	Development of Defense System against Polymorphic and Metamorphic Internet Worms for Enterprise Networks.	DoRD/CSE/DKS/20-06	Prof. D. K. Saikia, Dept. of CSE	
7.	Network intrusion Detection Based on Offline and Online Data Mining Techniques	DoRD/CSE/DKB/20-07	Prof. D.K. Bhattacharyya, Dept. of CSE	
8.	Design and Development of Renewable Energy Hybrid Tea Drier for Fossil Fuel Substitution in Tea Industry.	DoRD/Energy/DCB/20-08	Prof. D.C. Baruah, Dept. of Energy	
9.	Computational studies of bare and zeolite-supported palladium nanoclusters and their application in catalysis	DoRD/Chem.Sc/RCD/20-09	Prof. R.C. Deka, Dept. of Chem. Sc.	
10	Exploration of Native Flora and in-vitro study to assess their efficiency in removal of water pollutants	DoRD/Env.Sc./KPS/20-10	Prof. K.P. Sarma, Dept. of Env. Sc.	
11	Development of Nanocomposite Materials from Waste Plastics and Non Conventional Plant Materials available in the Forests of Assam	DoRD/Chem.Sc/TKM/20-11	Prof. T.K. Maji, Dept. of Chem. Sc.	
12	Studies on pesticide residues in major commercial vegetables of Assam.	DoRD/FPT/SCD/20-12	Prof. S.C. Deka, Dept. of FPT	

13	Multifunctional hybrid nanosystem for molecular imaging applications	DoRD/Phy/PD/20-13	Dr. P. Deb, Dept. of Physics	
14	Electrochemical Immobilization of Acetylcholinesterase System for Sensor Application	DoRD/Chem.Sc/PP/20-14	Dr. P. Puzari, Dept. of Chem. Sc.	
15	Development of conducting polymer based nanocomposites for actuator chemical and biosensor applications.	DoRD/Phy/AK/20-15	Prof. A. Kumar, Dept. of Physics	
16	A study of k-hypernormality as a bridge between subnormality and hypernormality.	DoRD/Math.Sc./MH/20-16	Dr. (Ms) Munmun Hazarika, Dept. of Math. Sc.	
17	Development of green nanocomposite based on natural resources	DoRD/Chem.Sc./TKM/20-17	Prof. T.K. Maji, Dept. of Chem. Sc.	
18	A Grammatical Description of the Bugun Language	DoRD/EFL/MB/20-18	Dr.(Ms) M. Barbora, Dept. of EFL	
19	Synthesis, characterization and applications of novel solid base green catalysts for nucleophilic addition reactions	DoRD/Chem.Sc/RCD/20-19	Prof. R.C. Deka, Dept. of Chem. Sc.	
20	Design & Development of Cost-Effective Bio-Signals Controlled Prosthetic Hand	DoRD/CSE/SMH/20-20	Dr. S.M. Hazarika, Dept. of CSE	
21	Industry Institute Partnership Cell	DoRD/ECE/MB/20-21	Prof. M. Bhuyan, Dept. of ECE	
22	Estimation of Crustal Deformation and Tropospheric Precipitable Water Vapor Content in North-Eastern India using GPS Measurements	DoRD/Phy/AK/20-22	Prof. A. Kumar, Dept. of Physics	
23	Strengthening of biotechnology teaching, research and training in Assam with special reference to Tezpur University	DoRD/MBBT/AKM/20-23	Prof. A.K. Mukherjee, Dept. of MBBT	
24	UGC-SAP	DoRD/MBBT/20-24	HoD, MBBT	
25	Memory, Movement and the Mahila Samiti in Assam, India	DoRD/EFL/HM/20-25	Ms. Hemjyoti Medhi, Dept. of EFL	
26	Security Enabled Data Gathering Protocol for Wireless Sensor Network	DoRD/CSE/NS/20-26	Dr. Nityananda Sarma, Dept. of CSE	
27	Fluorescent nanocrystal-induced ion channels for biomolecular labeling applications	DoRD/Phy/DM/20-27	Dr. D. Mohanta, Dept. of Physics	
28	Preparation, demonstration and popularization of various food products from locally available post harvest food materials for welfare of rural population of Sonitpur district of Assam	DoRD/FPT/SCD/20-28	Prof. S.C. Deka, Dept. of FPT	
29	INSPIRE Programme	DoRD/MBBT/INSPIRE/20-29		

30	Studies on the relativistic and the dynamical spinning sphere models of the electron	DoRD/Phy/JKS/20-30	Prof. J.K. Sarma, Dept. of Physics	
31	Impact of Natural gas flare on growth and yield development in Rice (<i>Oryza sativa</i> L.)”	DoRD/Env.Sc/KKB/20-31	Prof. K.K. Baruah, Dept. of Env. Sc.	Incomplete
32	A study of computational aspect of connectedness and its vaiations in some classes of topological spaces	DoRD/Math.Sc/DH/20-32	Dr. D. Hazarika, Dept. of Math. Sc.	
33	Study on Preparation-Preservation and Nutritional Aspects of Indigenous Foods of some selected Ethnic Groups of Assam	DoRD/Cul.St./JGK/20-33	Dr. Juri Gogoi Konwar, Dept. of Cultural Studies	
34	Effect of Processing on Biochemical Compositions and Production of Resistant Starch (RS) Neutraceuticals and Value Added Products from Culinary Banana (<i>Musa ABB</i>) “Kachkal of Northeast India”	DoRD/FPT/SCD/20-34	Prof. S.C. Deka, Dept. of FPT	
35	Fabrication and characterization of nanostructured metal oxide based gas sensors	DoRD/ECE/BM/20-35	Mr. Biplab Mondal, Dept. of ECE	
36	Preparation and studies on polymer anchored transition metal compounds. Towards development of bio-relevant complexes and active oxidation catalysts	DoRD/Chem.Sc/NSI/20-36	Prof. N.S. Islam, Dept. of Chem. Sc.	
37	Empowerment of SC/ST Women through SHGs in Assam	DoRD/B.Admn/DD/20-37	Prof. D. Das, Dept. of B. Admn.	
38	Quality Improvement of Traditional Method of Rice Beer Production by the Tribal People of Northeast India	DoRD/FPT/SCD/20-38	Prof. S.C. Deka, Dept. of FPT	
39	Title Not available	DoRD/EFL/MMS/20-39	Prof. M.M. Sarma, Dept. of EFL	In complete
40	Bioinformatics Infrastructure Facility	DoRD/MBBT/BKK/20-40	Prof. B.K. Konwar, Dept. of MBBT	
41	Financial Inclusion in Assam: Achievements and Hindrances	DoRD/B.Admn/DD/20-41	Prof. D. Das, Dept. of B. Admn.	
42	Micro Finance and Economic Lives of Tribals	DoRD/B.Admn/DD/20-42	Prof. D. Das, Dept. of B. Admn.	
43	Iwasawa theory of lubin-tate division towers and lemma of coleman	DoRD/Math.Sc/RB/20-43	Dr. R. Barman, Dept. of Math. Sc.	
44	Bi-harmonic formulation of incompressible viscons fluid and its numerical simulation by higher order compact schemes	DoRD/Math.Sc/SS/20-44	Mr. Shuvam. Sen, Dept. of Math. Sc.	
45	Conducting a quick market survey for hotels in Tezpur, Assam	DoRD/BA/MKS/20-45	Prof. M.K. Sarma, Dept. of B. Admn.	
46	Antioxidant capacity of fresh and variously processed fruits and vegetables of Assam	DoRD/FPT/CLM/20-46	Prof. C.L. Mohanta	

47	Investigation of magnetoviscous and magnetooptic properties of novel ferrofluids	DoRD/Phy/DM/20-47	Dr. D. Mohanta, Dept. of Physics	
48	Studies on Gluon Distribution Function and Recombination of Partons	DoRD/Phy/JKS/20-48	Prof. J.K. Sarma, Dept. of Physics	
49	Synthesis and Development of Broadband EMI shielding Materials Using magneto-Dielectric Nanoparticles	DoRD/Phy/NSB/20-49	Dr. (Ms) N.S. Bhattacharyya, Dept. of Physics	
50	Detection of nerve injury recovery by Intelligent Processing of Nerve Conduction Velocity (NCV) and Electromyogram (EMG) Signals	DoRD/ECE/MB/20-50	Prof. M. Bhuyan, Dept. of ECE	In complete
51	Nitrous Oxide Emission from Major Field Crops of Assam	DoRD/Env.Sc./KKB/20-51	Prof. K.K. Baruah, Dept. of Env. Sc.	In complete
52	Studies of spin wave instability in ferrites for high power circulators	DoRD/Phy/NSB/20-52	Dr. (Ms) N.S. Bhattacharyya, Dept. of Physics	In complete
53	A Study of Some Interference Models in Reliability Theory	DoRD/MS/GLS/20-53	Prof. G.L. Sriwastav, Dept. of Math. Sc. (Visiting Prof)	
54	Development of ZnO nanorods for luminescent device applications Code No. UFR-44314	DoRD/Phy/DM/20-54	Dr. D. Mohanta, Dept. of Physics	In complete
55	Optical cluster detection over high resolution satellite imagery and its applications	DoRD/CSE/DKB/20-55	Prof. D.K. Bhattacharyya, Dept. of CSE	In complete
56	Modeling of flood-hazard with special reference to North-East India (WOS-A)	DoRD/Math.Sc./SD/20-56	Ms. Surabhi Deka, Dept. of Math. Sc	In complete
57	Design and Development of an electric Vehicle) Six seater) and its Power Management System	DoRD/ECE/SS/20-57	Dr. Santanu Sarma, Dept. of ECE	
58	UGC-SAP Dept. of CSE	DoRD/CSE/20-58	HoD, CSE	
59	Effect of Swift heavy ion irradiation on electrical and thermal transport of conducting polymer nanostructures	DoRD/Phy/AK/20-59	Prof. A. Kumar, Dept. of Physics	In complete
60	The Study.....Plasma”	DoRD/Phy/ND/20-60	Dr. (Ms) Nilakshi Das, Dept. of Physics	In complete
61	A sampleschool children	DoRD/BA/SSS/20-61	Dr. S.S. Sarkar, Dept. of B. Admn.	
62	Demonstration of novelty North East India	DoRD/MBBT/AKM/20-62	Prof. A.K. Mukherjee, Dept. of MBBT	
63	Magnetic nanoparticles..... memory materials”	DoRD/Chem.Sc./NK/20-63	Prof. N. Karak, Dept. of Chem. Sc.	
64	KIR haplotypic variation and in cancer	DoRD/MBBT/SB/20-64	Dr. (Ms) S. Baruah, Dept. of MBBT	

Consultancy Projects:

Sl. No.	Title	Registration No.	Principal Investigator / Coordinator	Remarks
1.	An Assessment of status of awareness about Consumer Protection and Consumer Welfare Schemes among Academics and students' of professional courses in Higher Education in the State of Assam	DoRD/MCJ/AB/30-01	Dr. Abhijit Borah, MCJ	
2.	Hiring of National Consultancy services for Energy study with special reference to wood balance situation in Assam as consultant	DoRD/Energy/RK/30-02	Dr. R. Kotoky, Energy	

N.B. Some of the Research Projects are marked as '**Incomplete**' in the 'Remarks' column due to non-availability of some of the relevant documents. The PIs of the research projects which are not included in the list are requested to submit relevant documents for issue of Registration Number against their projects.