

3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs) (5)

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Durati on of the project
UGC-SAP	Prof. K.P. Sarma	UGC	Government	Environmental Science	2016-17	135	5 years
UGC-SAP	Prof. Charu Lata Mahanta	UGC	Government	Food Engineering and Technology	2016-17	116.5	5 years
UGC-SAP (DRS-II)	Prof. Ashok Kumar	UGC	Government	Physics	2016-17	89.5	5 Years
UGC-SAP	Prof. Chandan Kumar Sharma	UGC	Government	Sociology	2016-17	40	5 Years
Centre with Potential for Excellence: Cultural memory in North-East India: A Research and Documentation Programme on Textyak and Visual Narratives	Prof. Debarshi Prasad Nath	UGC	Government	Cultural Studies	2016-17	230	5 years
Identification of efficient semiconductor dopant combinations for selective chemi-adsorption of tea pesticides on metal oxide semiconductor (MOS) sensor	Dr. P. Puzari/ Dr Priyanka Kakoty (Co-PI)	NTRF	Government	Chemical Sciences	2016-17	34.01	4 years
Studies on Exosomal proteome and lipidome and their clinical implication in the management of drug resistant and recurrent head and neck squamous cell carcinomas (HNSCC)	Dr. A.M. Ramteke	ICMR	Government	Molecular Biology and Biotechnology	2016-17	20.86	3 Year
Homocoupling, Heterocoupling and Liberation of Borylene Ligands	Prof. Ashwini K. Phukan	DST-DAAD	Government	Chemical Sciences	2016-17	10.15	2 years
One pot synthesis of Nitrogen and Sulphur co-doped biomass derived graphene based cathode catalyst for Polymer Electrolyte Fuel Cells	Dr. Biraj Kumar Kakati	DST-SERB	Government	Energy	2016-17	34.96	3 years
Integrated Biorefinery Approach Towards Production of Sustainable Fuel and Chemicals from Algal Biobased Systems	Prof. D. Deka	DBT-Joint Indo Brazil	Government	Energy	2016-17	100.41	4 years
Exploration of Biodiversity and Conservation issues of Talley Valley Wildlife Sanctuary, Arunachal Pradesh with reference to wildlife species distribution along climate and topographical gradients	Dr. Ashalata Devi	MoEF&CC	Government	Environmental Science	2016-17	38.96	3 Years
Development of Advanced Techniques for Analysis of Remotely sensed Images	Dr. Swarnajyoti Patra	DST-SERB	Government	Computer Science and Engineering	2016-17	21.51	3 Years
Neutrino Mass Ordering, Leptonic CP Violation and Matter-Antimatter Asymmetry	Dr. Ng. K. Francis	DST-SERB	Government	Physics	2016-17	6.17	3 Years
Development of graphene based conducting polymer nanocomposites for electrochemical energy storage applications	Prof. Ashok Kumar	DST-SERB	Government	Physics	2016-17	50.1	3 Years
Development of new water supply strategies for Brahmaputra watersheds of India under climate change regime	Dr. Manish Kumar	DST (Indo-Japan)	Government	Environmental Science	2016-17	5.91	2 Years
UGC BSR Start-up grant	Dr. Biraj Kumar Kakati	MHRD/UGC - Empowered Committee's Basic Science Research (BSR) Programme	Government	Energy	2016-17	6	2 years
To study the impact and compensation of process-induced variations in junctionless transistors for improved reliability	Dr. Ratul Kumar Baruah	DST-SERB	Government	Electronics and Communication Engineering	2016-17	13.62	3 years
Green nanocomposite from fully renewable bio polymers: modified vegetable oil reinforced with rosin acid and keratin	Prof. T.K. Maji	DST-SERB	Government	Chemical Sciences	2016-17	23.42	3 Years
UNNAT BHARAT ABHIYAN	Prof. Utpal Kumar Das	AICTE	Government	Civil Engineering	2016-17	5	2 Years

Integrating Genome scale metabolic analysis of model plant pathogen <i>Ralstonia solanacearum</i> with RNAseq and fluxomics	Dr. S. S. Satapathy	DBT	Government	Computer Science and Engineering	2016-17	30.78	3 Years
Designing bioactive peptides from whey liquid waste of the dairy industry: Functionality and health benefit in Obesity, Obesity associated disorders with exploration of molecular mechanism.	Dr. Raj Kumar Duary	DBT	Government	Food Engineering and Technology	2016-17	32.74	3 Years
Nanoparticle based approach to enhance the AMP efficacy against AMP resistant bacteria	Dr. Anupam Nath Jha	DBT	Government	Molecular Biology and Biotechnology	2016-17	29.29	3 Years
e-Varaha: Information System for Safe Pork Production in North Eastern India	Prof. Nityananda Sarma	ITRA	Government	Computer Science and Engineering	2016-17	26.1	2 Years
Establishment of Institutional Level Biotech Hubs (IBThubs) by DBT under Special Programme for North Eastern States of India under the 'Institutional Level Biotech Hubs (IBThubs), (Advanced Level)	Prof. Sashi Baruah	DBT	Government	Molecular Biology and Biotechnology	2016-17	78.55	3 Years
Development of Chiral Single Molecule Magnets	Dr. Nayanmoni Gogoi	DST-SERB	Government	Chemical Sciences	2016-17	24.93	3 Years
In vivo hypocholesterolemic effect of bioconjugates of starch nanoparticles with gamma oryzanol and tocotrienols extracted from rice bran	Prof. Charu Lata Mahanta	DBT	Government	Food Engineering and Technology	2016-17	48.7	3 Years
Application and Development of "NOSE" approach with special reference to Carbon-Carbon and Carbon-Heteroatom bond formation reactions	Prof. A.J. Thakur	CSIR	Government	Chemical Sciences	2016-17	26.96	3 Years
Synthesis and characterization of task-specific ionic liquid systems for one pot synthesis of pyrimidine derivatives	Prof. Ruli Borah	CSIR	Government	Chemical Sciences	2016-17	20.96	3 Years
A Comparative Study of Educational Aspiration Levels in Relation to the Intelligence, Socio-Economic Status and Parental Encouragement amongst Scheduled Caste and Non-Scheduled Caste Students at Secondary Level in Assam	Dr. Nil Ratan Roy	ICSSR	Government	Education	2016-17	6	2 Years
Small angle scattering based study on hierarchical mesoporous assemblies of nanoparticles	Dr. Pritam Deb	UGC-DAE CSR	Government	Physics	2016-17	3	3 Years
Investigation on structure-property relationship for self-heating smart hyperbranched polyurethane nanocomposite with antistatic and antimicrobial attributes	Prof. Niranjan Karak	DST-SERB	Government	Chemical Sciences	2016-17	29.93	3 Years
Design and synthesis of donor-acceptor fragmented chemical libraries for development of new class antibiotic against MRSA	Dr. Sanjay Pratihar	DBT	Government	Chemical Sciences	2016-17	48.75	3 Years
Enhancing Food Security in Rural India	Prof. Debendra C. Baruah	BBSRC (University of Nottingham, UK)	Government	Energy	2016-17	3	1 Year
Studies on antimicrobial and anti-biofilm activities of medicinal plant extracts obtained from North Eastern India against pathogenic bacteria isolated from pigs, cattle and poultry of NER India; and cattle, poultry and ducks of West Bengal	Prof. Manabendra Mandal	DBT	Government	Molecular Biology and Biotechnology	2016-17	52.97	3 years
Studies on structure & dynamics of antisense molecules: Capability Building for advanced research	Prof. Ramesh C. Deka	DBT	Government	Chemical Sciences	2016-17	61.95	3 Years
Smartphone based optical microscope for clinical applications	Dr. Pabitra Nath	ICMR	Government	Physics	2016-17	19.79	3years
Biorefinery Approach for generation of platform chemicals and bioethanol from indigeneous lignocellulosic agrowaste bio-resources.	Dr Eeshan Kalita	DBT	Government	Molecular Biology and Biotechnology	2016-17	41.87	3 years
Si/ZnO/ZnMgO/PEDOT: PSS/P3HT:PC61 BM hybrid bulk heterojunction (BHJ) architecture based organic solar cell: efficiency enhancement approach through the optical structure modification	Dr. Santanu Maity	DST-SERB	Government	Electronics and Communication Engineering	2016-17	19.09	3 years
Role of protein arginylation in cellular stress responses: A study using heat stress and oxidative stress models in arginylation deficient cell culture system	Dr. Sougata Saha	DST-SERB	Government	Molecular Biology and Biotechnology	2016-17	48.76	3 Years

Biophysical characterization of adenylosuccinateylase- a potential drug target from leishmania donovani - a computational and molecular approach	Dr. Anupam Nath Jha	DBT	Government	Molecular Biology and Biotechnology	2016-17	41.8	3.5 Years
One time grant for up-gradation of Lab & Library facilities to Tezpur University, Napaam Tezpur, Assam in the field of New and Renewable Energy	Prof. D. Deka	MNRE	Government	Energy	2016-17	50	1 year
Polymorphisms of Toll like and Nod like receptors and their role in inflammasome activation in Head and Neck Squamous Cell Carcinoma	Prof. Sashi Baruah	ICMR	Government	Molecular Biology and Biotechnology	2016-17	38.75	3 Years
Elucidating the mechanism and assessing amelioration potential of Ocimum and Lucas in stress-induced impaired homeostasis on growth and reproduction in Zebrafish	Dr. S. S. Bhattacharya	ICAR	Government	Environmental Science	2016-17	46.57	3 Years
Continuous Flow reaction- An Attempt to Miniaturization of some pharmaceutical processes	Prof. Ramesh C. Deka	DST-SERB	Government	Chemical Sciences	2016-17	47.4	3 Years
Electrochemical study of enzyme imbedded supported bilayer lipid membranes to develop a sensor for organophosphate and organocarbamate pesticides	Dr. P. Puzari	DST-SERB	Government	Chemical Sciences	2016-17	64.97	3 Years
Border Trade at Pangsau: Transcending Boundaries between India and Myanmar	Dr. Juri Gogoi Konwar	MAKAIAS	Government	Cultural Studies	2016-17	3.1	1 Year
Smartphone based instrumentation for water quality monitoring with reference to resource poor regions	Dr. Pabitra Nath	BIRAC-SRISTI (DBT)	Government	Physics	2016-17	15	2 Years
Study on the role of protein arginylation in regulation of adipogenic differentiation	Dr. Sougata Saha	DST-SERB	Government	Molecular Biology and Biotechnology	2016-17	50.71	3 Years
Utilization of textile industry sludge through application of vermiculture: An in-sight on metal accumulation potential of earthworms	Dr. S. S. Bhattacharya	DST-SERB	Government	Environmental Science	2016-17	57.6	3 Years
Development of a cost-effective, novel antithrombotic anticoagulant herbal drug and standardization of its biomarker assisted quality Control	Prof. Ashis K. Mukherjee	BIRAC	Government	Molecular Biology and Biotechnology	2016-17	49.75	2 years
Commissioning tasks pertaining to Preservation and Conservation of Manuscripts for National Mission for Manuscripts	Dr. Subhra Devi	NMM	Government	Cultural Studies	2017-18	7	3 years
Computational Design of Functional and Structural Mimics of the Active Site of (FeFe)-HYDROGENASE	Prof. Ashwini K. Phukan	CSIR	Government	Chemical Sciences	2017-18	5.4	3 Years
Asymmetric total Synthesis of Marine natural products Ammonifcins A-D and their analogs	Dr. Sajal K. Das	CSIR	Government	Chemical Sciences	2017-18	25.85	3 Years
Functionalized graphene based nanocomposites and their electrocatalytic applications in direct methanol fuel cells	Prof. S.K. Dolui	CSIR	Government	Chemical Sciences	2017-18	23.96	3 years
A multiwavelength study of active galactic nuclei and X-ray sources	Dr. Rupjyoti Gogoi	CSIR	Government	Physics	2017-18	17.96	3 Years
Decentralized water treatment for removal of arsenic, fluoride and mercury from drinking water	Prof. R.K. Dutta	DST	Government	Chemical Sciences	2017-18	100.51	3 years
A study on the Acculturation Process of the Missing Tribe of Assam and Arunachal Pradesh	Dr. Uttam Kumar Pegu	ICSSR	Government	Mass Communication and Journalism	2017-18	4	2 years
Prospect of a novel protein in earthworm gut to minimize heavy metal risk in vermicompost for sustainable crop production	Dr. S. S. Bhattacharya	CSIR	Government	Environmental Science	2017-18	26.96	3 Years
The Science and Technology of Manuscript writing-aids and Folk paintings in Medieval Assam	Prof. R.K. Dutta	INSA	Government	Chemical Sciences	2017-18	5.016	2 Years
Chemistry of Monovalent Group 13 and Divalent Group 14 Bases: A Theoretical Study	Prof. Ashwini K. Phukan	DST-SERB	Government	Chemical Sciences	2017-18	43.77	3 Years
Synthesis, characterization and investigation of physicochemical properties of specific ionic liquid (IL) based systems for evaluation of electrochemical and photocatalytic activities	Prof. Ruli Borah	DST-SERB	Government	Chemical Sciences	2017-18	44.32	3 Years

Profiles in History of Science from North East India – A Delineation of One Scientist and Two Medical Institutions of the Region that Trace their Origins back to the 19th Century	Prof. Ramesh C. Deka	INSA	Government	Chemical Sciences	2017-18	8.4	2 Years
Development of Eutrophication Model for rural water bodies of Assam, India	Dr. Kamal Uddin Ahamad	DST-SERB	Government	Civil Engineering	2017-18	24.2671	3 Years
Site-specific Functionalization of Nitrogen based Heterocyclic moieties via C-H activation	Dr. Utpal Bora	DST-SERB	Government	Chemical Sciences	2017-18	48.72	3 Years
Development of a Real-time Image Super-Resolution System using Parallel Processing Hardware for Remote Sensing Applications	Dr. Bhabesh Deka	ISRO	Government	Electronics and Communication Engineering	2017-18	25.79	3 Years
Development of Polymer Supported Niobium and Tantalum Based catalysts for Organic Oxidations under Ecologically Sustainable Reaction Conditions	Prof. N.S. Islam	DST-SERB	Government	Chemical Sciences	2017-18	45.17	3 Years
Diagnosis and Immunopathogenesis of Dengue Virus infections: a longitudinal investigation into genotype diversity, diagnosis and immune response to dengue infections in Assam, Northeast India.	Prof. Sashi Baruah	DRDO	Government	Molecular Biology and Biotechnology	2017-18	61.59	3 Years
Studies on photocatalytic, photoluminescence and mechanical properties of WS <sub>2</sub> /C-dot nanoscale systems subjected to irradiation	Dr. Dambarudhar Mohanta	IUAC	Government	Physics	2017-18	6.03	3 Years
India-UK Centre for education and research in clean energy (IUCERCE)	Dr. Nabin Sarmah	DST (Indo-UK)	Government	Energy	2017-18	74.56	4 Years
Studies on bifunctional (wetting-dewetting and biophotonic colouration) properties of certain natural systems of biological origin	Dr. Dambarudhar Mohanta	DST-SERB	Government	Physics	2017-18	43.66	3 Years
A study on application of Bamboo as reinforcement in construction of low cost building wall	Prof. Utpal Kumar Das	AICTE under UBA	Government	Civil Engineering	2017-18	5	2 Years
Investigation of interstellar polycyclic aromatic hydrocarbons (PAHs), pure and substituted: A combined approach	Dr. Gazi A. Ahmed	DST-JSPS	Government	Physics	2017-18	10.6	2 Years
Development of water-borne hyperbranched polyesters and polyurethanes from bio-based resources and their nanocomposites	Prof. Niranjana Karak	CSIR	Government	Chemical Sciences	2017-18	25.96	3 Years
Evaluation of environment friendly control measures of Japanese encephalitis vector in its breeding site in worstly effected region of Sonitpur District of Assam	Mrs. Oli Talukdar Baruah	DST	Government	Environmental Science	2017-18	18.05	3 Years
Miniaturized flexible planar antennas for body worn applications as health monitoring systems in L and S band using nano magneto-dielectric composite as substrate	Prof. Nidhi S. Bhattacharyya	DST	Government	Physics	2017-18	86.96	3 Years
Evaluation Study on Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) in Districts Dhekiajuli and Udalguri in Assam	Prof S S Sarkar and Prof Papori Baruah	Govt of Assam	Government	Business Administration	2017-18	3.00	1 year
Modernization of Basic Hardware Laboratory	Prof. Bhogeswar Borah	AICTE	Government	Computer Science and Engineering	2017-18	2.4	2 Years
Isolation, identification and characterization of maker proteins from the Venom of Naja Kaouthia and Bungarus fasciatus of North East India for development of rapid diagnostic tool for identification of snakebite in North East India	Dr. Robin Doley	ICMR	Government	Molecular Biology and Biotechnology	2017-18	38.86	3 Years
Multicomponent Crystal technology to improve drug pharmacokinetic attributes	Dr. Bipul Chandra Sarma	CSIR	Government	Chemical Sciences	2017-18	26.96	3 Years
Ruthenium, Nickel and Palladium based Homogeneous Catalysts for Ethanol to Butanol conversion	Dr. Sanjay Pratihari	INSA	Government	Chemical Sciences	2017-18	15	3 Years
An Assessment of conflict as a social determinant of health in the North East region of India	Ms. Veda Yumnam	ICMR	Government	Social Work	2017-18	17	2 Years
UGC BSR Research Startup grant	Dr. Jyoti Prasad Saikia	UGC	Government	Molecular Biology and Biotechnology	2017-18	10	3years

DST FIST	Head, Dept of Physics	DST	Government	Physics	2017-18	192	5 years
Photocatalytic degradation of organic pollutants in water using LDH and zeolite nanoparticles	Dr. Rasna Devi	DST	Government	Chemical Sciences	2017-18	29.95	3 Years
Study of interactions of Ionic Liquid ions with unsaturated metal centers in Metal Organic Frameworks based Polymer Electrolyte nanocomposites incorporated with Ionic Liquids through Neutron scattering and Raman Spectroscopy	Prof. Ashok Kumar	UGC-DAE CSR	Government	Physics	2017-18	2.27	3 Years
Integrative approach for understanding the role of noncoding mutations in the evolution of biological systems	Dr. Pankaj Barah	DBT	Government	Molecular Biology and Biotechnology	2017-18	88	5 years
Studies on epidemiology, hospital management of snakebite, and standardization of laboratory tests for assessment of efficacy and quality control of commercial antivenom manufactured in India and in ASEAN countries.	Prof. Ashis K. Mukherjee	DST-SERB (Indo-ASEAN)	Government	Molecular Biology and Biotechnology	2017-18	46.43	3 Years
Valorization of Culinary Banana Flower: Waste to value addition using green technologies	Prof. Sankar C. Deka	ASTEC	Government	Food Engineering and Technology	2017-18	2	2 years
Value Addition of banana flower using green technologies to develop combat food	Prof. Sankar C. Deka	DRDO	Government	Food Engineering and Technology	2017-18	22.73	2 Years
Exploring Wildlife and Nature Based Tourism as a Potential Livelihood Option for Local People inhabiting in and around the Protected Areas in Eastern Himalayas, Arunachal Pradesh: A Sustainable approach for biodiversity conservation.	Dr. Ashalata Devi (Co-PI)	National Mission on Himalayan Studies, G.B. Pant National Institute of Himalayan Environment and Sustainable Development (GBPNIHESD) funded project	Government	Environmental Science	2017-18	45	3 Years
Post Project Evaluation of Sansad Adarsh Gram Yojana (SAGY) for 2 States, namely Odisha and West Bengal of zone 7	Prof.S.S. Sarkar, Prof. Paporri Baruah	Ministry of Rural Development, Government of India	Government	Business Administration	2017-18	18.6300	6 months
Post Project Evaluation of Sansad Adarsh Gram Yojana (SAGY) for zone-8	Prof.S.S. Sarkar	Ministry of Rural Development, Government of India	Government	Business Administration	2017-18	25.3660	6 months
Development of mulberry and non-mulberry silk of Assam as potential biomaterials for healthcare and bioengineering applications by using atmospheric dielectric barrier discharge (A-DBD) plasma	Dr. Gazi A. Ahmed (Dr. Arup Jyoti Choudhury, Co-PI)	DST-SERB	Government	Physics	2017-18	70.18	3 years
Value addition of banana (Musa. sp) and creating small scale enterprises of Meghalaya tribal community through minimal processing technology	Prof. Raj Kumar Duary (Co PI)	DBT	Government	Food Engineering and Technology	2017-18	56.06	2 years
Development of synthetic derivatives of natural compound, Noscapine as tubulin binding chemotherapeutic agent and evaluation of its synergistic effect with Taxotere for management of human breast cancer	Prof. A.M Ramteke	DBT	Government	Molecular Biology and Biotechnology	2017-18	42.3	3 years
Women and making of the public sphere in Contemporary Assam: An oral history digital archive	Dr. Hemjyoti Medhi	ICSSR	Government	English and Foreign Languages	2017-18	10	2 years
Quantitative assessment and mapping of plant diversity and biological resources in Upper and Lower Assam" under the sub-component 1 entitled "Inventories and mapping of bioresources in North East India" of major project "Bioresources and sustainable livelihoods in North East India.	Dr. Ashalata Devi (Co-PI)	DBT	Government	Environmental Science	2017-18	78.49	3 Years
DST-FIST	Head, Dept. of Chemical Sciences	DST	Government	Chemical Science	2018-19	259	5 years

DST-FIST	Prof. Nityananda Sarma (PI) Co Investigators- Dr. S. Saharia, Dr. S. K. Deka, Dr. S. S. Satapathy, Prof. U. Sharma	DST	Government	Computer Science and Engineering	2018-19	44	5 years
UGC-SAP (DRS-II)	Prof. Chandan Goswami	UGC	Government	Business Administration	2018-19	39.1	5 years
UGC SAP DRS-II	Prof. Debarshi Prasad Nath (Coordinator), Sunil Kumar Dutta (Deputy Coordinator)	UGC	Government	Cultural Studies	2018-19	76	5 years
UGC-SAP (DRS-II)	Prof. Debarshi Prasad Nath	UGC	Government	Cultural Studies	2018-19	76	5 years
UGC-SAP (DRS II)	Prof. N. Deka Baruah	UGC	Government	Mathematical Sciences	2018-19	79.75	5 years
UGC-SAP (DRS-II)	Dr. Bhim P. Sarmah	UGC	Government	Mathematical Sciences	2018-19	79.75	5 years
Synthesis of mixed-ligand peroxo complexes of vanadium and tantalum and exploration of their biochemical properties	Ms. Gangutri Saikia	DST	Government	Chemical Sciences	2018-19	15.7	2 years
UGC-BSR Start-up Grant: Effect of pre-treatments on drying characteristics and oleoresin content of Bhutjolokia (Capsicum chinensis)	Dr. Nishant Swami Hulle	UGC	Government	Food Engineering and Technology	2018-19	10	2 years
Status survey and potential threats of threatened Mishmi Takin (Budorcas taxicolor) and its conservation through sensitization of local communities in eastern Arunachal Pradesh, India	Dr. Ashalata Devi (Co-PI)	IERP-GBPNIHESD, Kosi-Katarmal, Almora, Uttarakhand, India	Government	Environmental Science	2018-19	9.97	3 Years
Development of enzyme based biosensors through sol-gel techniques for dibittering of grape fruit and mosumbi juice	Dr. Poonam Mishra	DST-SERB	Government	Food Engineering and Technology	2018-19	26.61	2 years
Development of dispersion, dissipation characteristics preserving finite difference schemes for fluid flow problems	Dr. Shuvam Sen	DST-SERB	Government	Mathematical Sciences	2018-19	6.6	3 Years
Study of the Abundance and Characteristics of Interstellar Dust	Dr. Rupjyoti Gogoi	DST-SERB	Government	Physics	2018-19	19.65	3 years
Studies on parton recombination and related nonlinear equations	Prof. J.K. Sarma	CSIR	Government	Physics	2018-19	2.7	3 years
An Evaluation of Schemes Under Dr. Ambedkar Foundation in the Context of Mizoram	Prof. Kedilezo Kikhi/Dr. D. R. Gautam	Dr. Ambedkar Foundation, MSJ&E	Government	Dr. Ambedkar Chair, TU	2018-19	3.55	2 Years
Usability of smartphone to evaluate the efficiency of polyniline based sensor for indication of freshness of fish fillet during chemical spoilage	Dr. Poonam Mishra	DRDO	Government	Food Engineering and Technology	2018-19	22.53	3 years
Study for label free optical detection of snake venom protein using Surface Plasmon Resonance technique	Dr. Biplob Mandal	DST-SERB	Government	Electronics and Communication Engineering	2018-19	47.52	3 years
Evaluation of rheological and visible emission responses of nano-WS2/C-dot as additives	Dr. Dambarudhar Mohanta	CSIR	Government	Physics	2018-19	22.46	3 years
Development of snake venom toxins-targeted specific novel antivenom	Prof. Ashis K. Mukherjee	BIRAC-PACE (DBT)	Government	Molecular Biology and Biotechnology	2018-19	38	1 year 6 months
Understanding the role of adipose tissue remodeling in exercise induced insulin sensitivity	Dr. Suman Dasgupta	DBT	Government	Molecular Biology and Biotechnology	2018-19	44.79	3 years
Development of functionalized nanoparticles-based novel diagnostic kit for the detection of Species-specific snake envenomation	Prof. Ashis K. Mukherjee	DBT	Government	Molecular Biology and Biotechnology	2018-19	27	3 years
Aptamer based rapid test to differentiate venomous snake bites from non-venomous and dry snake bites	Dr. Robin Doley	BIRAC-PACE (DBT)	Government	Molecular Biology and Biotechnology	2018-19	12.25	1 year 6 months
Design and synthesis of Hybrid Molecules for Multi-Drug-Resistant Tuberculosis	Dr. Sajal K. Das	DBT	Government	Chemical Sciences	2018-19	31.29	3 Years

Integrative systems biology approach to identify the molecular response signatures in Rice during concurrent biotic (Rhizoctonia solani) and abiotic (heat) stresses	Dr. Pankaj Barah	DBT	Government	Molecular Biology and Biotechnology	2018-19	56.29	3 Years
Electric Field Based Novel Technologies for Pilot Scale Processing of Juice and Pulp from Potential Fruits of NE Region	Dr. Brijesh Srivastava	ICAR	Government	Food Engineering and Technology	2018-19	19.83	3 years
Development of parallel processing embedded hardware for super-resolution of diffusion weighted and spectroscopic magnetic resonance images	Dr. Bhabesh Deka	AICTE	Government	Electronics and Communication Engineering	2018-19	16.47	3 Years
Theoretical investigation of Methane Oxidation Catalyzed by Metal Nanoclusters Supported on Zeolites	Prof. Ramesh C. Deka	DST	Government	Chemical Sciences	2018-19	52.01	3 years
Stability analysis of astrophysical complex plasmas	Dr. P.K. Karmakar	DST-SERB	Government	Physics	2018-19	16.93	3 Years
Evaluation of tree tomatoes (tamarillo) of Nagaland utilizing the pulp, peel and seeds for its commercialization	Prof. Charu Lata Mahanta	MoFPI	Government	Food Engineering and Technology	2018-19	33.03	2 years
Neutrino Mass, Lepton Number Violation, Baryogenesis, Dark Matter and related Cosmology within beyond Standard Model frameworks	Dr. Mrinal Kr. Das	DST-SERB	Government	Physics	2018-19	21.96	3 years
Pharmacological studies of recombinant and mutant fibrin(ogen)olytic protease(s) for the prevention and/or treatment of hyperfibrinogenemia associated cardiovascular disorders	Prof. Ashis K. Mukherjee	DBT	Government	Molecular Biology and Biotechnology	2018-19	26.044	1 year 6 months
Manuscript Conservation Centre	Dr. Subhra Devi	National Mission for Manuscripts, IGNC	Government	Cultural Studies	2018-19	2.5	1 year
Annotated Bibliography on Scheduled Castes and Scheduled Tribes in Social Sciences	Prof. Kedilezo Kikhi/Dr. D. R. Gautam	Dr. Ambedkar Foundation, MSJ&E	Government	Dr. Ambedkar Chair, TU	2018-19	3.75	4 Years
Search for novel anti-platelet and anti-thrombin peptides from Indian viper venom (Daboia russelii): Purification, characterization and evaluation of its anti-thrombotic potential	Dr. Robin Doley	DBT	Government	Molecular Biology and Biotechnology	2018-19	43.79	3 years
Nano based soil conditioner for agricultural application (BIRAC SRISTI Appreciation Award)	Ms. Kasturi Sarmah	BIRAC-SRISTI (DBT)	Government	Chemical Sciences	2018-19	15	2 Years
Computational Investigation on the membrane-induced self-assembly and aggregation of a-Synuclein	Dr. M.V. Satish Kumar	DST-SERB	Government	Molecular Biology and Biotechnology	2018-19	44.78	3 years
Inequality and Inclusion in Primary Health Care System in India: Comparative Analysis of Kerala and Assam	Dr. Sumesh S.S.	ICMR	Government	Sociology	2018-19	36.39	2 Years
Earthworm Gut Microbes Mediated Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs) Remediation in Contaminated Soil	Prof. R.R. Hoque	DBT	Government	Environmental Science	2018-19	33.84	3 years
UGC-BSR startup grant for newly recruited faculty at Assistant Professor level in Science department	Dr. Pratibha Deka	UGC	Government	Environmental Science	2018-19	10	1 Year
Directed functionalization of oxide and carbon nanomaterials for the development of efficient catalysts for carbon dioxide conversion into value-added products	Dr. Pankaj Bharali	DST (Indo-Russian)	Government	Chemical Sciences	2018-19	21.84	2 years
A Study of Navier-Stokes Equations with Navier boundary condition	Dr. Rajib Haloi	NBHM-DAE	Government	Mathematical Sciences	2018-19	12.93	3 years
Effectiveness of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal), Act. 2013 and Rules thereunder: A study of Assam	Dr. Madhurima Goswami	National Commission for Women	Government	Chandraprava Saikiani Centre for Women's Studies	2018-19	4.75	1 year
Identification of electroactive materials for high energy and high power rechargeable aluminum-ion battery	Dr. Shyamal Kumar Das	DST-SERB	Government	Physics	2018-19	32.82	3 years
Stereoselective Synthesis of Spirocyclic Indolines	Dr. Sajal K. Das	DST-SERB	Government	Chemical Sciences	2018-19	45.91	3 years
A Study of controllability of Navier-Stokes Equations with Navier boundary conditions	Dr. Rajib Haloi	DST-SERB	Government	Mathematical Sciences	2018-19	6.6	3 years
Archiving, Modelling and Visualization of the Eco-Cultural Heritage of the Majuli River island of Assam	Dr. Parasmoni Dutta	DST	Government	Cultural Studies	2018-19	22.17	3 years
Indian Heritage in Digital Space (IHDS)	Parasmoni Dutta	DST	Government	Cultural Studies	2018-19	22.17	3 years

A study on response of geocell reinforced soil foundation under static and cyclic loading	Prof. Utpal Kumar Das	AICTE	Government	Civil Engineering	2018-19	20.75	3 years
Methods for the automatic generation of attribute profiles from hyperspectral data	Dr. Swarnajyoti Patra	AICTE	Government	Computer Science and Engineering	2018-19	17.1	3 years
Design and Implementation of Low Cost Hybrid Aquaponics System	Dr. Soumik Roy	AICTE	Government	Electronics and Communication Engineering	2018-19	21.86	3 years
Fabrication characterization and modeling of CNT based high dielectric enzymatic field effect crearinine biosensor (CNT-C-ENFET)	Prof. Jiten Ch. Dutta	AICTE	Government	Electronics and Communication Engineering	2018-19	25	3 Years
Catalytic Conversion of Biomass derived 2,5- dimethyl furan to value added Petro Chemical p-xylene	Prof. Rupam Katakai	AICTE	Government	Energy	2018-19	23	3 years
Non-thermal Pulsed-Light processing of fresh-cut fruits of NE India: A Novel hurdle approach for predicting enhanced Shelf-life and Nutritional quality	Dr. Brijesh Srivastava	AICTE	Government	Food Engineering and Technology	2018-19	25	3 years
Solar greenhouse drying system for the production of 'No-cooking' rice from Assam and product quality modelling during storage	Dr. Manuj Kumar Hazarika	AICTE	Government	Food Engineering and Technology	2018-19	25	3 years
Ultrasound Assisted Rapid Immobilization of Pectinase on Solid Support for Juice Clarification	Dr. Nandan Sit	AICTE	Government	Food Engineering and Technology	2018-19	21.1	3 years
Design Development and performance Testing of a Solar Dryer for Drying of Garcinia pedunculata with Thermal Energy Storage	Dr. Partha Pratim Dutta	AICTE	Government	Mechanical Engineering	2018-19	17.5	3 years
A stimulus appraisal-based study on motivation affect in L2 learning at the tertiary level with reference to Engineering students learning English as an L2 in Assam	Dr. Sarat Kumar Doley	DST	Government	English	2018-19	28.44	3 years
Design and Development of an all-purpose smart biogas reactor for household applications	Prof. Debendra C. Baruah	AICTE	Government	Energy	2018-19	11	3 years
A study on exact generating functions and congruences for partition functions associated to Ramanujan's mock theta functions and other related functions	Prof. N. Deka Baruah	DST-SERB	Government	Mathematical Sciences	2018-19	6.6	3 years
Efficient oil recovery as conventional energy using smart graphitic nanocomposite	Prof. Pritam Deb	DBT	Government	Physics	2018-19	15	3 years
Ecohygrological assessment of eutrophicated water bodies - monitoring algal blooms (algal toxins), water quality and developing techniques to reduce eutrophication	Dr. Nayanmoni Gogoi	DST-SERB	Government	Environmental Science	2018-19	26.21	3 years
On Algebraic Connectivity and Laplacian Spectral Radius of Graphs	Dr. Debajit Kalita	DST-SERB	Government	Mathematical Sciences	2018-19	6.6	3 years
In vitro studies to investigate the therapeutic approach of editing the defective exon 3 of the human CHST6 gene associated with Macular Corneal Dystrophy through the CRISPR-Cas9 technology	Dr. Surya Prakash G. Ponnampal	DST-SERB	Government	Molecular Biology and Biotechnology	2018-19	45.94	3 years
Women empowerment and skill development through technological intervention in cooking stove	Prof. Rupam Katakai	DSIR	Government	Energy	2019-20	9.7	1 year
Development of Tourism Convenience Index for Major Tourism Destinations in the State of Assam	Prof. Mrinmoy Kr. Sarma, Dr. Kakali Mahanta	Govt of Assam	Government	Business Administration	2019-20	25.60	1 year
Development of novel rationally designed ferrocene, glucose and folic acid conjugated lanthanide (III), iron (III) and cobalt (III) complexes as antibacterial and theranostic anticancer agents	Dr. M.V. Satish Kumar	DBT	Government	Molecular Biology and Biotechnology	2019-20	19.89	3 years
Investigation of the accretion flow properties of black hole binaries with AstroSat	Dr. Biplob Sarkar	ISRO	Government	Applied Sciences	2019-20	5.24	3 years
Processing of coconut milk, development of beverage from curcumin enriched nanoemulsified coconut milk (partially defatted) and pineapple juice and evaluation of their health implications	Prof. Charu Lata Mahanta	Coconut Development Board	Government	Food Engineering and Technology	2019-20	22.23	2 years

Development of A Tactile Sensory based Grasping Controller for Electromyographic Prosthetic Hand	Dr. Nayan M. Kakoty	DBT	Government	Electronics and Communication Engineering	2019-20	15.99	2 years 6 months
Bioconversion of organic wastes and de-oiled algal residue into biodiesel and value added products (carotenoids) using oleaginous microbes	Prof. Manabendra Mandal	DBT	Government	Molecular Biology and Biotechnology	2019-20	11.99	2 Years
Studies on genetic and epigenetic alterations on Keratoconus patients from Assam, India	Dr. Surya Prakash G. Ponnampal	DBT	Government	Molecular Biology and Biotechnology	2019-20	15.98	2 years 6 months
Search for potent inhibitors against target from L donovani using systems biology virtual screening and molecular dynamics	Dr Anupam Nath Jha	DBT	Government	Molecular Biology and Biotechnology	2019-20	15.249	2 years 6 months
The Astrosat view on understanding the nature of synchrotron spectrum in blazars	Dr. Rupjyoti Gogoi	ISRO	Government	Physics	2019-20	16.9	3 years
An AstroSat view on understanding the nature of synchrotron spectrum in blazars	Dr Rupjyoti Gogoi	SSPO, Indian Space Research Organization (ISRO)	Government	Physics	2019-20	16.84	3 years
On pareto eigenvalue of distance matrix of connected graphs	Dr. M. Nath	DST-SERB	Government	Mathematical Sciences	2019-20	6.6	3 years
Child Marriage in Assam	Prof. Chandan Kumar Sharma and Dr. Namami Sharma	State Child Protection Society	Government	Social Work and Sociology	2019-20	5	1 Year
Modernization Automobile / Internal combustion Engine laboratory	Dr. Partha Pratim Dutta	AICTE	Government	Mechanical Engineering	2019-20	13.45	2 years
Development of a Cu(II) mediated strategy for the sensing of fluoride anion in aqueous medium	Dr. Sanjeev Pran Mahanta	CSIR	Government	Chemical Sciences	2019-20	9.81	3 years
UGC-BSR Mid-Career Award Grant	Prof. S.K. Dolui	UGC	Government	Chemical Sciences	2019-20	10	2 Years
Effect of energetic $\gamma$ -photons and ion beams on structural, optoelectronic and rheological property of tungsten dichalcogenide-based composites	Dr. Dambarudhar Mohanta	UGC-DAE-CSR	Government	Physics	2019-20	2.26	3 years
An Evaluative Study of Skill Development Training Program in Assam	Prof. Kedilezo Kikhi/Dr. D. R. Gautam	National Backward Classes Finance & Development Corporation	Government	Dr. Ambedkar Chair, TU	2019-20	4.24	1 Year
A behavioral model of Ion Sensitive Field Transistor (ISFET) with spatial dependence on reference electrode and development of a hardware system for model validation	Dr. Santanu Sharma	ASTEC	Government	Electronics and Communication Engineering	2019-20	4.7	2 years
Development of conducting polymer based nanocomposites for efficient detection of Mycotoxins	Dr. Ashok Kumar	DAE-BRNS	Government	Physics	2019-20	34.35	3 years
Design of smartphone platform fluorescence microscopic system for resource poor regions	Dr. Pabitra Nath	ASTEC	Government	Physics	2019-20	2.41	2 years
Ion irradiation effects on conducting polymer@carbon nanomaterials based nanocomposites functionalized with metal (Au/Ag) nanoparticles for amperometric immunosensors for efficient detection of mycotoxins	Dr. Ashok Kumar	IUAC	Government	Physics	2019-20	6.03	3 years
Identification and Characterization of active molecules derived from selected edible medicinal plants of Arunachal Pradesh against rotavirus and clinical isolates of drug resistant E. coli and S. aureus	Dr. Nima D. Namsa	DBT	Government	Molecular Biology and Biotechnology	2019-20	58.41	3 years
Annual IPR grant from ASTEC for IPR related activities	Prof. Pritam Deb	ASTEC	Government	IPR Cell	2019-20	0.2	1 year
Anticancer flavones-Baicalein, Chrysin and Oroxylin A, from Oroxylin indicum tissue culture and studies on its chemopreventive activities	Dr. Jyoti Prasad Saikia	DBT	Government	Molecular Biology and Biotechnology	2019-20	26.07	3 years
Enhanced production of anticancer flavones-Baicalein, Chrysin, and Oroxylin A from Oroxylin indicum tissue culture	Dr. Jyoti Prasad Saikia/ Co PI. Anand Ramteke	DBT	Government	Molecular Biology and Biotechnology	2019-20	12.57	3 years
Standardization of Indigenous Probiotic based Formulation for Immunity, Glucose and Lipid metabolism	Prof. Manabendra Mandal	DBT	Government	Molecular Biology and Biotechnology	2019-20	40.57	3 years

Design of A Prosthetic Hand Control Architecture Exploring the Hierarchical Relationship of EEG, EMG and Finger Kinematics	Dr. Nayan M. Kakoty	DST-SERB (Indo-ASEAN)	Government	Electronics and Communication Engineering	2019-20	17.96	2 years
Forest and Forest Dwellers in Assam: Searching for a Sustainable Relationship	Prof Chandan Kumar Sharma, Dr Indrani Sarma	ICSSR	Government	Sociology	2019-20	8	2 years
Characterization of DNA structural features and non B DNA structures in regulatory regions in prokaryotes: an insilico approach	Dr. Aditya Kumar	DBT	Government	Molecular Biology and Biotechnology	2019-20	28.34	3 years
Green and sustainable catalysts based on zeolites for oxidative transformation reactions	Dr. Utpal Bora	DST (Indo Bulgaria)	Government	Chemical Sciences	2019-20	11.82	2 Years
Forensic Accounting Education in India: Prospects and Problems	Dr. Reshma Kumari Tiwari	ICSSR	Government	Commerce	2019-20	10	2 years
Synthesis, Reactivity and Bonding in Metal and Metal-free Borylenes	Prof. Ashwini K. Phukan	DST (Indo-Jarman)	Government	Chemical Sciences	2019-20	13.68	2 years
Development of Catalytic reaction strategies for the synthesis and functionalization of potential bioactive heterocyclic molecules	Dr. Anindita Dewan	DST	Government	Chemical Sciences	2019-20	29.45	3 years
Development of Anti-inflammatory Functional Food from 'Norabogori' (Prunus persica) of Assam	Prof. Sankar C. Deka	MoFPI	Government	Food Engineering and Technology	2019-20	27.7	2 years
Big data and Machine learning based approach to understand combined stress response signatures in multiple cultivating crop plants	Dr. Pankaj Barah	DST-SERB	Government	Molecular Biology and Biotechnology	2019-20	23.24	2 years
Studies on signal transduction mechanism(s) of Indian cobra (Naja naja) and Russell's Viper (Daboia russelii) venoms neurotrophin molecules in cultured neuronal cells and their functional significance	Prof. Ashis K. Mukherjee	DST-SERB	Government	Molecular Biology and Biotechnology	2019-20	39.29	3 years
Reviving cultural artefact Gamosa through Intellectual Property Management in Assam and Innovative supply chain (Component-1, UGC-STRIDE)	Dr. Mridul Dutta	UGC	Government	Business Administration	2019-20	43	3 years
Problems faced by the children of Tea Garden workers at secondary level education in Assam: An analytical study	Prof. Nil Ratan Roy	ICSSR	Government	Education	2019-20	3.5	1 year
Third party Evaluation Study of 100 clusters of phase 1 under Shyama Prasad Mukherjee Rurban Mission for zone 8	Prof S S Sarkar	Ministry of Rural Development, Government of India	Government	Business Administration	2019-20	35.9986	5 months
Third party Evaluation Study of 100 clusters of phase 1 under Shyama Prasad Mukherjee Rurban Mission for zone 9	Prof S S Sarkar	Ministry of Rural Development, Government of India	Government	Business Administration	2019-20	37.9786	5 months
DST-FIST II	Department of Electronics and Communication Engineering	DST	Government	Electronics and Communication Engineering	2019-20	172.8	5 years
Multi crop Residue Processing Technology Package for Production of Fuel and Fertiliser (Budget-Rs.2.16Cr)	Prof. Debendra C. Baruah	DST-SERB	Government	Energy	2019-20	140.785	2 years
Optimization of nanocatalysts for sustainable conversion of food wastes into value added products	Dr. Eeshan Kalita	MHRD-STARs	Government	Molecular Biology and Biotechnology	2019-20	53.8	3 years
A study on laser-driven ion acceleration from plasma target and generation of large scale magnetic field in relativistic laser plasma interaction	Prof. Dr. Nilakshi Das	DST-SERB	Government	Physics	2019-20	25.56	3 years
Historical Continuity and Cultural Connotations of the Mask Traditions of North East India	Dr. Joya Chakraborty	ICSSR	Government	Mass Communication and Journalism	2019-20	9.7	2 years
Design of ship In A Bottle Complexes and Zeolite-Y Supported Nanocatalysts For C-Cl Bond Activation and C-C Coupling Reactions	Dr. Kusum K. Bania	DST-SERB	Government	Chemical Sciences	2019-20	31.49	3 years
Crystallization of Drugs Templated by Mimetic Organogels and Functional Surfaces	Dr. Bipul Chandra Sarma	DST-SERB	Government	Chemical Sciences	2019-20	29.3	3 years

Point and interval estimation of some functionals of the distribution function of identically distributed random variables and their sums with applications	Prof. Santanu Dutta	DST-SERB	Government	Mathematical Sciences	2019-20	6.6	3 years
Development of instant pressure drop based parboiling process for production of Komal Chawal with improved rehydration quality	Prof. Manuj Kumar Hazarika	AICTE	Government	Food Engineering and Technology	2019-20	3.165	2 years
Design and development of an improved tricycle Rickshaw	Dr. Partha Partim Dutta	ASTEC	Government	Mechanical Engineering	2019-20	2.96	2 years
Centre of Excellence Project: Climate Change Impacts and Adaptation for a Climate Resilient North East India	Dr. Ashalata Devi	DST	Government	Environmental Science	2019-20	635.65	5 years
Randiomics with Machine Learning Methods towards Prediction of Gall Bladder Cancer	Dr. Rosy Sarmah	ICMR	Government	Computer Science and Engineering	2019-20	12.67	2 years
Ensuring QoS in Internet of Medical Things (IoMT) using Software-Defined Networking (SDN)	Dr. Nabajyoti Medhi	MeiTy	Government	Computer Science and Engineering	2020-21	36.39	2 years
Design of zeolite-Y Supported Heterogeneous Catalyst for C-C bond coupling reactions	Dr. Kusum K. Bania	CSIR	Government	Chemical Sciences	2020-21	23.66	3 years
Documentation and Revitalization of Ntenyi, Khongdei and Zyphe three endangered languages of North East India	Prof. Madhumita Barbora	North Eastern Council (NEC) Shillong	Government	Centre for Endangered Languages	2020-21	79.1	3 years
Nanocavity-in-body tunnel field transistor Architectures for low power sensing applications	Dr. Rupam Goswami	DST-SERB	Government	Electronics and Communication Engineering	2020-21	10.494	2 years
Computational Investigations Towards Designing of Main Group and Transition Metal based Systems for Dinitrogen Activation	Prof. Ashwini K. Phukan	DST-SERB	Government	Chemical Sciences	2020-21	40.95	3 years
Study of shifting cultivation and associated environmental problems in Meghalaya: Physicochemical and geospatial approach	Dr. Pratibha Deka	DST-SERB	Government	Environmental Science	2020-21	49.5	3 Years
Tuning Metal Oxide Clusters for Selective Catalytic Hydrogenation of CO <sub>2</sub> to Organic Acids using Quantum Chemical Methods	Prof. Ramesh C. Deka	DST-SERB	Government	Chemical Sciences	2020-21	29.48	3 years
Early detection of pest on Tea plantation through Multispectral imaging from unmanned Aerial Vehicles	Nidhi S. Bhattacharyya	MeiTy	Government	Physics	2020-21	195.12	3 years
Elucidating the mechanism of action of PeHR a transcriptional regulator in pathogenicity of Ralstonia solanacearum FICI	Dr Aditya Kumar	DST-SERB	Government	Molecular Biology and Biotechnology	2020-21	63.66	3 years
Harnessing Endophytes and Arbuscular Mycorrhizal Fungi from Citrus microbiome for plant and soil health management in North East India	Dr. Nirmali Gogoi	DBT	Government	Environmental Science	2020-21	20.82	3 Years
DPIIT IPR Chair	Prof. Pritam Deb	Department for Promotion of Industry and Internal Trade, Government of India, Ministry of Commerce & Industry	Government	IPR Cell	2020-21	6.66	5 years
Rotavirus NSPI degrades interferon receptors (IFNRs) through a PKR dependent pathway	Dr. Nima D. Namsa	DST SERB	Government	Molecular Biology and Biotechnology	2020-21	50.51	3years
Exploiting chemical ecology for IPM: Deciphering the phyto-semiochemicals involved in Insect-Plant interactions of major crop pests of North East Region -India	Dr. Santa Kalita (Co-PI)	DBT	Government	Environmental Science	2020-21	475.79	3 Years