



UNIVERSITY OF SCIENCE & TECHNOLOGY

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

SEED MONEY APPROVAL MEETING

A meeting of RDC was conducted on 02/04/2022 to evaluate project proposals submitted by the faculty members for seed grant upto Two(2)Lac. The recommendation of Research and Development Cell (RDC) members are enclosed along with all research proposals. The following research proposals are recommended and their details are appended below.

Sl.No.	Name of P.I.	Title of Project	Duration(year)	Total Amount(Rs)
1	Dr Sanjib Kumar Dutta	A study on the impact of Rock Mining on Livelihood Pattern in Ri-Bhoi District of Meghalaya.	2021-22	0.5
2	Mr. Saikat Majumdar	Doubling Farmers' income through promotion of Organic Farming at All Kling Darbar, Ri-Bhoi District, Meghalaya	2021-22	0.5
3	Ms. Gayatari Saikia	Implementation of Low Cost Technology for Biogas Generation from Kitchen Wastes at All Kling Borbar of Meghalaya	2021-22	0.55
4	Prof. Gayatree Goswamee & Ms. Sarmistha Choudhury	Pro Environment behaviour of school students in realtion to their attitude towards environment- A study in Jirbeel	2021-22	1

		village, M6eghalaya		
5	Ms Ali Bordoloi, Ms Rokono Rudupra, Ms Himi Saikia Dr Rumpa Das	Plantation drive at nearby schools of Ri-Bhoi District ,Meghalaya	2021-22	1
6	Dr. Rumpa Das, Ms. Sarmistha Choudhury & Dr. Sudeshna Nath	Management Model for Effectiveness of School Education	2021-22	1
7	Dr. Trishna M. Thakuria	Promoting Menstrual Awareness in North-East India: Understanding the need of Susustainable menstruation products (Menstrual Cup/Future Cup)	2021-22	1.4
8	Dr. Sandeep Gupta	Lived experiences of Growing up as a Transgender in a Two Gender World: A Study of the Hijras in Guwahati City of Assam	2021-22	2
9	Dr. Nazia Parveen	Is Modesty Determined Health Culture: A Study On Muslim Women in Barak Valley	2021-22	1
10	Dr. Chandana Bhattacharjya	The Fact of Women in United Liberation Front of Asom (ULFA): A study of surrendered and arrested women ULFA cadres	2021-22	1.17
11	Dr. Zabeen Ahmed, Mr. Abhijit Thakuria & Mr. Indranil Chakraborty	Documentation of newspaper clippings on the articles and	2021-22	1.1

		editorials published in the local newspapers on Assam 'Assam Movement' during 1979-1985		
12	Dr. Rashmi Baruah	Alcoholism in Meghalaya and its Physical, Psychological and Social Impact: Special reference to Ri-Bhoi District	2021-22	0.95
13	Ms Pranami Sarmah, Ms Sakina Khatun Gohain Ms Khanjana Hazarika	Right to health vis-à-vis Civil Liberties of the LGBT community with reference to the state of Assam	2021-22	0.95
14	Mr. Kamallochan Barman & Ms. Bhanita Das	Evaluation of anti-diabetic potency, molecular characterization, and QSAR study of heterocyclic compound	2021-22	1.8
15	Dr. Sudarshana Borah & Mr. Aditya Bora	Herbal antiarthritic Gel Formulation and Standardization from an Ethanomedical Plants of NER, India	2021-22	1.43
16	Dr. Kangkan Choudhury	Modification of testicular cell damage in diabetic induced rats by using some traditional used antidiabetic plants of North East Region of India	2021-22	1.2
17	Dr. Pinkimoni Goswami	Properties of Dickson Polynomials in	2021-22	1.6

		context to Cryptography		
18	Dr. Gitumani Sarma	A Study on Michelson- Morley Experiment	2021-22	1.2
19	Ms. Priyanka Sarma & Ms. Rishiparna Choudhury	Password authentication using Brain Computer Interface (BCI) Technique for immobile patients	2021-22	1.83
20	Dr Bhairab Sarma Rashidurzzaman Prodhani Daisy Sharmah	IOT based Smart Parking System	2021-22	1.85
21	Dr. Bhairab Sarma	Prevention of Cyber Crime in rural Areas: An initiative in Ri- Bhoi District, Meghalaya	2021-22	1.9
22	Dr. Swarup Jyoti Baishya	Application of Geo-spatial Technology of Wetlands mapping and Change detection: A Case study in the Borsola Beel of Sonitpur district, Assam	2021-22	2
23	Dr. Eahya Al Huda	Floods in the Lower reaches of Dikrong river Catechment, Assam	2021-22	2
24	Dr. Anindita Bhattacharya & Dr. Prabal Sarkar	Study of Human- Monkey conflict in Guwahati Metro city, Assam, India	2021-22	1.5
25	Dr. Palme Borthakur	Community based ginger cultivation by tribal farmers and its effects on livelihood: A case study of tribal farmers in	2021-22	2

		Karbi Anglong District, Assam		
26	Dr. Kankana Borah	Rural Eco-Tourism as livelihood of the tribal community, a case study of Umswai Valley at West Karbi Anglong, Assam	2021-22	2
27	Dr. Samiyara Begum	Designing of Some Donor-Acceptor based Organic Solar cell: A theoretical study	2021-22	1.37
28	Dr. Mitali Paul	Preparation of Schiff base metal complexes as catalyst for photocatalytic aerobic oxidation reactions	2021-22	1.6
29	Dr. Arabinda Ch. Nath	Phytochemistry of Medicinal Plants	2021-22	1.5
30	Dr. Golam Mohiuddin	Synthesis and Characterization of Photo-Controlled Twist-Bend Nematic Materials	2021-22	1.097
31	Dr. Prabal Sarkar & Dr. Anindita Bhattacharya	Study on the abundance and diversity of Moth in Darrang district of Assam	2021-22	1.5
32	Dr. Alike Borphukan Borah & Ms. Wanaz Nasrin Islam	Eri pupae preservation techniques for human consumption	2021-22	1
33	Prof. Karobi Saikia	Nutritional profiling of common edible aquatic insects	2021-22	1.3
34	Dr. Kangkan Jyoti Sarma	Development and production of indigenous live feed for	2021-22	0.76

		sustainable rearing of Kawoi (Anabas testudineus) and Koi Carp (Cyprinus carpio) for local entrepreneurial advancement		
35	Mr. Syed Rizaul Karim Ahmed	To study the androgenic effects of Basella alba Lon cadmium induced infertile male albino mice	2021-22	1
36	Dr. Alike Borphukan Borah & Ms. Golphina Ahmed	Documentation of Insect fauna of Ri-Bhoi District, Meghalaya, India	2021-22	2
37	Dr. Bulbul Acharjee	Culture of Indigeneous ornamental fish as a alternative livelihood for the fishermen communities in Deepor Beel, Assam	2021-22	2
38	Dr. Nitu Borgohain	Non-linear interaction of light with natutral obtained photonic crystals geometric diatom frustles, with special emphasis to the preparation of active materials for photnics to bio-medicines	2021-22	2
39	Dr. Hari Prasad Jaishi	Measurements of natural radioactivity in Ri-Bhoi district, Meghalaya and dose calcuation to the public	2021-22	1.995

40	Dr. Mainak Basu	Evaluation of Possible avenues for small scale ecological power generation	2021-22	2
41	Dr. Mayuri Devee & Ms. Devashree Borgohain	Detection of hazardous radionuclide in drinking water by using FLUKA simulation	2021-22	1.8305
42	Dr. Ritun Chakraborty & Dr. Sudin Ganguly	Semiconductor-transition metal dichalcogenide nano-heterostructure for photocatalytic degradation of organic water pollutants	2021-22	1.855
43	Dr. Dhritiman Chanda	Potential Use of AM biofertilizer for cultivation of rare and endangered medicinal plants of Ri-Bhoi District, Meghalaya	2021-22	2
44	Dr. Nibedita Das	Taxonomic Survey and Micro-morphological studies on Angiosperm flora Bara Killing of Ri-Bhoi district, Meghalaya	2021-22	2
45	Dr. Pranita Hajong	Documentation of Algae from different important water bodies and caves from Garo Hills and evolution of their nutritive value and pigments	2021-22	2
46	Dr. Milu Rani Das	Organic Cultivation of Capsium	2021-22	2

		(Capsicum annuum L) with Eichhornia crassipes [mart.] solms Compost.		
47	Dr. Bedabati Choudhury	Study and evaluation of Phytotoxic effect of essential oil extracted from selected plants from Meghalaya	2021-22	2
48	Dr. Mautushi Das	Emerging role of micro and macro algae in heavy bioremediation in AMD impacted system	2021-22	2
49	Dr. Saiyyad Alamdar Husain	Development and standardization "fruit leather" from locally available underutilized fruits in North East India	2021-22	2
50	Dr. Ishani Chakraborty	A clean and green essential oil extraction from valuable aromatic plants and other bio-resources of north-east India without waste generation	2021-22	2
51	Dr. Priyanka Shankarishan	Associated Risk factors of Hypertension: A cross sectional study in Meghalaya, India	2021-22	1.96192
52	Dr. Deboja Sharma & Mr. Satyakam Agarwala	A study on correlation of diet on microbial changes during pregnancy leading to obesity and related	2021-22	2

53	Dr. Madhusmita Borthakur	Exploration and production of mushroom spawns for commercial cultivation	2021-22	2
54	Dr. Tamanna Bhuyan	Magnetically Modulated Green Microbots for oil-spill recovery	2021-22	2
55	Dr. Habibul Islam	Assesment of Health & Haematological Parameters in USTM Community	2021-22	2

G D Sharma

The Chairperson

RDC