

অসম বিজ্ঞান প্রযুক্তিবিদ্যা আৰু পৰিৱেশ পৰিষদ
(বিজ্ঞান প্রযুক্তি আৰু জনবায়ু পৰিৱৰ্তন বিভাগ, অসম চৰকাৰ)

ASSAM SCIENCE TECHNOLOGY AND ENVIRONMENT COUNCIL
(Science, Technology and Climate Change Department)

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ASTEC/206/2020-21/2330

Date: 23/11/2021

NOTICE

The ASTE Council is pleased to inform that the following projects have been selected for financial support for a sum of Rs. 10,000 /- each under the "Students' Science Project" Scheme.

Sl. No.	Project	Group Leader	Guide	Department	University
1	Synthesis, Characterization and Applications of Gold Nanoparticles prepared using Ionic Liquid based on Imidazolium Cation	Manami Deka, M. Sc. 4th Semester	Dr. Sangeeta Agarwal	Chemistry	Cotton University
2	Development of Lignin Based Composites for Food Packaging Applications	Sudiksha Sharma, M. Sc. 3rd, Semester	Dr. Jayanta K. Sarmah	Chemistry	Assam Kaziranga University
3	An Investigation of Thermal Behaviour of High Sulfur Assam Coal and Transition Metal containing Bamboo Based Biochar during co-pyrolysis using Thermogravimetric Analysis	Riya Mudoj, M. Sc. 3rd Semester	Dr. Nabajyoti Saikia	Chemistry	Assam Kaziranga University
4	Synthesis of Fluorescent Carbon Dot from Waste Food and Application of the prepared Carbon Dot in Heavy Metal Ions Detection	Chandini Khanam, M. Sc. 4th Semester	Dr. Rekharani Dutta	Chemistry	Assam Kaziranga University
5	Metal Nanoparticles for Petroleum Spill Degradation	Priyanka Das, M. Sc. 3rd Semester	Dr. Debojeet Sahu	Chemistry	Royal Global University
6	Spatial Distribution and Mobility Index of Heavy Metals in Soil Near Garbage Dumping Site at Boragaon, Guwahati	Manogya Jyoti Borah, M. Sc. 3rd Semester	Dr. Bijoy Sankar Goswami	Chemistry	B Borooah College
7	Synthesis and Structural Studies of Coordination Compounds involving Biologically relevant Aliphatic Dicarboxylates	Sumit Saha, M. Sc. 4th Semester	Prof. Manjit Kumar Bhattacharyya	Chemistry	Cotton University
8	Crystal Engineering of Biologically relevant Coordination Solids involving Unconventional Supramolecular Synthons	Namrata Borah, M. Sc. 4th Semester	Prof. Manjit Kumar Bhattacharyya	Chemistry	Cotton University
9	Sign Language to Text Converter	Pinaz Dey, B. Tech 7th Semester	Mr. Arup Baruah	Computer Science Engineering	Assam Don Bosco University

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10	Design And Simulation of An Effective E-learning Approach with The Assistance of AI	Jitul Kumar Laphong, B. Tech, 7th Semester	Ankur Pan Saikia	Computer Science Engineering	Assam Down Town University
11	Use of Municipal Polymer Waste including PPEs and Face Masks to Improve Subgrade Strength	Evonhung Alfred, B. Tech, 7th Semester	Dr. Saikat Deb	Civil Engineering	Assam Down Town University
12	Design of an IoT Based Healthcare System	Debarshi Dutta, B. Tech, 7th Semester	Karen Das	Electronics and Communication Engineering	Assam Don Bosco University
13	Design and Implementation of a Wireless Sensor Network Based System for Precision Agriculture	Danielson Manner, B. Tech, 7th Semester	Dr. Kaustabh Bhattacharyya	Electronics and Communication Engineering	Assam Don Bosco University
14	Development of a Novel Biometric Security System for use during Covid-19 Pandemic Situation	Manthan Chettri, B. Tech 7th Semester	Nabasmita Phukan	Instrumentation Engineering	Jorhat Engineering College
15	Study the effect of Lissachatina Fulica on the Growth of Labeo Rohita	Prakriti Pragya Hazarika, M. Sc. 3rd Semester	Dr. Himadri Kalita and Prof. Saibal Sengupta	Zoology	Assam Don Bosco University
16	Ichthyofaunal Diversity of Kohora and Mora Dhansiri River (near Kaziranga), Golaghat District, Assam	Binanda Engti, M. Sc. 3rd Semester	Dr. Yumnam Lokeshwor Singh	Zoology	Assam Don Bosco University
17	In-Situ and Ex-Situ Study of the Biology of Channa Barca (Hamilton)	Gebron Albert Lyngkhai, M. Sc. 3rd semester	Dr. Yumnam Lokeshwor Singh	Zoology	Assam Don Bosco University
18	Design and Fabrication of Smart Bin	Adash Gurung, B. Tech, 7th Semester	Pulakesh Chetia and Dr. Dhrubajyoti Kashyap	Mechanical Engineering	Assam Down Town University
19	Optimization and surface morphology analysis in drilling of aluminium based alloy	Ilias Ali, B. Tech, 7th Semester	Dr. Sanjib Kr. Rasbangshi	Mechanical Engineering	Assam Down Town University
20	Automation of vertical farming system with special emphasis on plant nutrients.	Shakil Hussain, M. Sc. 3rd Semester	Dr. Minakshi Bhattacharjee	Bio-Technology	Assam Down Town University
21	Exploration of Selective Laser Sintering (SLS) medicated 3D Printing Technology for Rapid Prototyping of Solid Oral Dosage Forms	Srushti Sanjay Lekurwale, M. Sc. 3rd Semester	Dr. Subham Banerjee	Pharmaceuticals	NIPER
22	Design and Fabrication of a Multipurpose Unmanned Surface Vehicle	Anisha Yesmin, B. Tech, 7th Semester	Mr. Gitu Das	Electrical and Electronics Engineering	Assam Don Bosco University
23	Design and Development of a Low-Cost Portable Solar Water with Solar Pump-Based Controlled Water Flow	Elsi Mary Kharkongor, 7th semester	Dr. Bikramjit Goswami	Electrical and Electronics Engineering	Assam Don Bosco University
24	Phenotypic Expression of AmpC Antibiotic Resistance Markers in Clinical Isolates of Escherichia Coli	Sobnom Gogoi, M. Sc. 3rd Semester	Dr. Vedant Vikrom Borah	Bio-Sciences	Assam Don Bosco University

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In this regard, the following points may be noted

- i) The head of the institution will take necessary financial and other administrative responsibility of the project.
- ii) The fund will be released after completion of the project and a project completion report to be submitted along with the Utilization Certificate/Expenditure Statement (Supporting vouchers in original) duly signed by the Head of the Institution. The cover page of the report should contain **"Supported by Assam Science Technology and Environment Council, Guwahati."**
- iii) A copy of "BOND FOR ACCEPTING GRANT" is enclosed herewith and the same should be submitted duly signed with the report for necessary release of fund.

Memo No. ASTEC/206/2020-21/

Date: 23/11/2021

Copy to:

- 1. The student concerned :
- 2. The guide concerned :
- 3. The Head of the Institute/Registrar:
- 4. The Head of the Department:
- 5. The Dy. FAO, ASTEC – for information
- 6. The Nodal Officer, ASTEC – website for uploading

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(Signature)
 (Kimnei Changsan, ACS)
 Director, ASTE Council

(Signature)