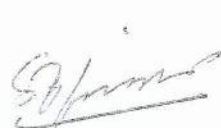


LIST OF SELECTED STUDENT SCIENCE PROJECTS FOR THE YEAR 2018-19

SL. NO.	NAME OF THE STUDENT	PROJECT TITLE	DEPARTMENT/BRANCH & SEMESTER	PROPOSED AMOUNT (Rs.)	APPROVED AMOUNT (Rs.)
1.	Smritirekha Talukdar	Green synthesis & characterization of Ag & Au nanoparticles using plant leaves showing lotus effect	MSc, 4 th sem, Dept. of Chemistry, Cotton University, Guwahati	10,000.00	10,000.00
2.	Gyanananda Deka	Preparation & Photophysical Investigation of Oxidised Metalloporphyrins for Photovoltaics	MSc, 4 th sem, Dept. of Chemistry, Cotton University, Guwahati	20,000.00	10,000.00
3.	Pranay Sharma	Design Synthesis, Structural studies & Anticancer activities of a few Supramolecular Coordination solids involving N-donor ligands	MSc-4 th sem, Dept. of Chemistry, Cotton University, Guwahati	15,000.00	10,000.00
4.	Bikash Kumar Kalita,	Structural Investigation of a few Supramolecular Coordination solids of Transition Metals involving Phenanthroline Ligand and their in vitro analyses for antitumor activities.	MSc-4 th sem, Dept. of Chemistry, Cotton University, Guwahati	15,000.00	10,000.00
5.	Juthika Sarkar	Design, Synthesis, Anticancer Evaluation & Docking studies of a few Supramolecular Coordination Complexes involving Bipyridine Ligand	MSc-4 th sem, Dept. of Chemistry, Cotton University, Guwahati	15,000.00	10,000.00
6.	Udeshna Priya Kakati	Synthesis of DNA stabilized Cu nanocluster & its applications	MSc. 4 th sem, Dept. of Chemistry, Cotton University, Guwahati	15,000.00	10,000.00
7.	Imran Hussain	Potentiality of Bio-resources of North- East India, Bio-refinery concept with special reference to waste citrus bio-mass	MSc 2 nd sem, Dept of Chemistry, Kaziranga University, Jorhat	25,000.00	10,000.00
8.	Raktim Dutta	Wastes to wealth Bio refinery concept from Agricultural Wastes Biorefinery 4 Agriwast	Dept. of Chemistry, Msc.2 nd sem, Kaziranga University, Jorhat	25,000.00	10,000.00





9.	Ms. Omika Rai	Use of Chlorophyll as Photocatalyst in Organic Synthesis	MSc.2 nd year, Dept. of Chemistry, Kaziranga University, Jorhat	15,000.00	10,000.00
10.	Mehebul Islam	Discovery of an alternative product for Tobacco use to prevent Cancer & other diseases	MSc.2 nd year, Dept. of Chemistry, Kaziranga University, Jorhat	25,000.00	10,000.00
11.	Rahul Dutta	Development of environment friendly low cost adsorbents from natural resources & determination of their surface charge by a simple pH-metric method	MSc. 2 nd sem, Dept. of Chemistry, Kaziranga University, Jorhat	20,000.00	10,000.00
12.	Mr.Tanmay Kalita	Removal of cationic Dye using Low cost adsorbents	MSc, 4 th sem, Dept. of Chemistry, B.Borooah College, Guwahati.	16,000.00	10,000.00
13.	Miss Gitu Saikia	A Study on the Quality of Different Rice Beer Produced by different Ethnic Tribes of Assam	MSc 4 th sem, Dept of Chemistry, B.Borooah College, Guwahati.	16,000.00	10,000.00
14.	Anamitra Mahanta	Synthesis & characterisation of Yttrium Oxide (Y ₂ O ₃) from Yttrium Nitrate(Y(NO ₃) ₃ /Yttrium Chloride (YCl ₃) by Combustion/ Sol gel Method	MSc. 4 th sem, Dept. of Physics, Cotton University, Guwahati	18,000.00	10,000.00
15.	Shyam Kumar Sah	Chemically deposited Lead Sulfide(PBS) thin film & its characterization	MSc, 4 th sem, Dept. of Physics, Cotton University, Guwahati	15,000.00	10,000.00
16.	Bhawarnav Saikia	Analysis of the X ray & Microwave Emission mechanism during intensive solar Flares	MSc. 4 th sem. Dept. of Physics, Cotton University, Guwahati	10,000.00	10,000.00
17.	Rasul Mahmud Sarkar	Measurement of cloud charge and Electric field change associated with CG lightning discharge	MSc, 4 th sem, Physics, Kaziranga University, Jorhat.	8,200.00	8,200.00
18.	Bristi Das	Design of Lightning Detector using "CJMCU-3935 Lightning Sensor Module"	MSc, 4 th semester, Dept. of Physics, Kaziranga University, Jorhat	12,000.00	10,000.00

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19.	Manish Kumar Baruah	Study on the effect of process parameters on the production of value added construction products from waste plastic	6 th sems, Dept. Of Civil Engg., Assam Don Bosco University, Azara, Guwahati	9,800.00	9,800.00
20.	Shashikant Singhal	Using mycelium as a structural element of building in India	8 th sem, Structural Engg, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
21.	Kermiki Hek	Design & Fabrication of water body garbage collecting vehicle	Dept. of Mechanical, B.Tech, 8 th sem, Assam Don Bosco University, Azara, Guwahati	15,000.00	10,000.00
22.	Nasbia Yashmin	Design & Fabrication of a Semi automatic dish washer machine	Dept. of Mechanical, B.Tech, 8 th sem, Assam Don Bosco University, Azara, Guwahati	10,000.00	10,000.00
23.	Wanlang Lakuna	Design & Development of a Rice Transplanting Machine	B. Tech, 8 th sem, Dept. of Mechanical Engg., Assam Don Bosco University , Azara, Guwahati	20,000.00	10,000.00
24.	Dikan Jyoti Talukdar	Unleavened bread making machine for making wrap for Momo	B.Tech, Mechanical Engg., Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
25.	Abhishek Sarkar	Design & Development of Nimblearm the Computer vision Assisted robotic arm	Dept. of CSE & IT, 8 th sem, Assam Don Bosco University , Azara, Guwahati	16,500.00	10,000.00
26.	Bidyut Chetia Patra	Multiple Connection Line-Aggregation Router	Dept. of CSE, B.Tech,6 th sem, Assam Don Bosco University , Azara, Guwahati	12,000.00	10,000.00
27.	Namrota Deka	Ultrasonic Sensor Gloves or Shoes for the Blind using Aduino LILYPAD	Dept. of CSE, B.Tech-6 th sem, Kaziranga University, Jorhat	20,512.00	10,000.00
28.	Pallab Das	Development of a portable system for recognition & authentication of Indian currency,	Dept. of Electronics & Communication Engg., 8 th sem, Assam Don Bosco University , Azara, Guwahati	10,700.00	10,000.00
29.	Ritupan Changmai	Gesture Control Robot	Dept. of ECE ,6 th sem, Kaziranga University, Jorhat.	3,340.00	3,340.00

30.	Gaurav Kr. Agarwalla	Hand Gesture Controlled Pick & place Robot	Dept. of Electronics & Communication Engg..B.Tech, 8 th sem, Kaziranga University, Jorhat.	6,320.00	6,320.00
31.	Baskhemlang Rynjah	Automatic cable fault distance locator using arduino	Dept. of Electrical & Electronics Engineering, 4 th year, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
32.	Sikder Arif Mahammad	COW dung Battery	Dept. of Electrical & Electronics Engineering, 3 rd year, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
33.	Jerry meo PL Nongkynrih	Identification of optimal path through Network reconfiguration in power system	Dept. of EEE, 8 th sems, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
34.	Rishav Saha Choudhury	Internet based remote controlled device for home appliances	MSc, Dept. of Electrical & Electronics Engineering, 3 rd year, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
35.	Bedanta Bikash Gogoi	On Line health Monitoring of BLDC Motor	Dept. of EEE, 4 th year, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
36.	Miss Rimjim Saikia	Real Time Heartbeat & Temperature Monitoring	Dept. of Electrical Engineering, Kaziranga University, Jorhat.	23,510.00	10,000.00
37.	Queen Kalita	Design & simulation of a novel algorithm for real time detection of electricity theft in smart grids	Dept. of EEE, 4 th year, Assam Don Bosco University , Azara, Guwahati	15,000.00	10,000.00
38.	Gracefulman Syiemlieh	Isolation & Identification of microbial species forming biofilm in the caves of Meghalaya	Dept. of Microbiology , MSc 4 th sem, Assam Don Bosco University, Azara, Guwahati	10,000.00	10,000.00
39.	Phartimery Rani	Prevalence of native Wolbachia in aedes albopictus & its stability at different temperature from Assam, Northeast, India	MSc, 4 th sem, Dept. of Life Science, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00

40.	Udismita Bora	Evaluation of some of the Non Edible seeds of north East india for its biodiesel producing potential	MSc,3 rd sem, Dept. of Biotechnology, Assam Don Bosco University , Azara, Guwahati	10,000.00	10,000.00
41.	Neeta Choudhury	Studies on the diversity of diurnal & Nocturnal spider Fauna & its habitat characteristics in biodiversity & aquaculture campus, Gauhati University, Assam	MSc. 4 th sem, Dept. of Zoology, Gauhati University, Guwahati.	10,000.00	10,000.00
42.	Miss Rita Devi	Studies on the digestive enzymes in two important food fishes, Anabas testudinensis & Channa punctatus of Assam & determination of in vitro plant protein digestibility in them	MSc-4 th sem, Dept. of Zoology, Bodoland University, Kokrajhar	10,000.00	10,000.00
43.	Sagarika Pal	Comparitive study of soil samples in the municipal Solid waste dumping site	MSc. 4 th sem, Dept. of Botany, Cotton University, Guwahati.	10,000.00	10,000.00
44.	Kuladip sarmah	Nitrogen Fixation for Agriculture using High Voltage Spark at Atmosphere ,	MSc, 4 th sems, Dept. of Instrumentation & USiC, Gauhati University, Guwahati.	12,910.00	10,000.00
45.	Aradhana Devi	Automatic vehicle for disease detection of plant & pesticides control	MSc. 4 th sems, Dept. of Instrumentation &USiC, Gauhati University, Guwahati	16,200.00	10,000.00
46.	Mr. Bhaskar Jyoti Das	Study & Design of low smoke heat efficient stove	BE final year, Dept. of Chemical Engg, Assam Engineering College, Guwahati	8,200.00	8,200.00

TOTAL: Rs. 4,45,860/-

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24/11/19
(DR.R.K.BARMAN)
HEAD, S&T DIVISION
ASTEC.