

ANNEXURE-I

List of Recommended Student Research Projects for Presentation

Sl. No	Project Code No.	Project Title	Name, Department and full address of the student	Name, Designation and Full address of the supervisor
1.	SRP23-01	Electric Field Assisted Malting of Millet and Development of Malted Flour Based Baby Food Product	Ms. Juli Kalita Department of Food Engineering and Technology Tezpur University, Napaam, Tezpur, Sonitpur, Assam-784028	Dr. Brijesh Srivastava, Professor, Department of Food Engineering and Technology, Tezpur University, Napaam, Tezpur, Sonitpur, Assam-784028
2.	SRP23-02.	Applying Transfer Learning for X Ray Classification for Computer Aided Diagnostics	Ms. Jumilee Gogoi Department of Electronics and telecommunication Engineering, Assam Engineering College, Jalukbari, Guwahati-781013	Dr Navajit Saikia, Associate Professor Department of Electronics and Telecommunication Engineering, Assam Engineering College, Jalukbari, Guwahati, 781013
3.	SRP23-10	Development and Evaluation of Low-Cost Mosquito Repellents Using Natural Binders	Ms. Selchi Devi Dept. of Zoology, Morigaon College, Morigaon- 782105	Dr. Dhananjay Kusre Hod & Associate Professor, Dept. Of Zoology, Morigaon College, Morigaon-782105
4.	SRP23-13	Comprehensive Study on Micro- plastic Pollution: Its Toxicological Implications with Respect to Climate Change and Awareness Initiatives in Assam	Mr. Rahul Saikia Department of Life Science and Bioinformatics, Assam University, Silchar-788011	Professor Sarbani Giri Department of Life Science and Bioinformatics, Assam University, Silchar, Assam-788011
5.	SRP23-15	Carbon Quantum dots derived from Aloe Vera, Turmeric and Water Hyacinth as nanofiller for Food Packaging	Mr. Tuhin Bhattacharjee Department of Chemistry, Assam Engineering College, Jalukbari, Guwahati-13.	Dr. Gitanjali Majumdar Associate Professor Department of Chemistry, Assam Engineering College, Jalukbari, Guwahati-13
6.	SRP23-19	Quantative Analysis of Vegetation Coverage Changes In Lakhimpur District Using Satellite Imagery And GIS	Mr. Homen Borah Department of Botany, Madhabdev University Narayanpur, Lakhimpur-784164	Dr. Ranjit Dutta Assistant Professor Department of Botany, Madhabdev University Narayanpur, Lakhimpur-784164

Sl. No	Project Code No.	Project Title	Name, Department and full address of the student	Name, Designation and Full address of the supervisor
7.	SRP23-20	Green Synthesis of UV Sensitive MOS Nanocomposite Material with High Responsivity	Mr. Himanjali Bhattacharyya Department of Electronics & Communication Engineering Tezpur University, Napaam - 784028	Dr. Priyanka Kakoty Assistant Professor (Selection grade) Department of Electronics & Communication Engineering, Tezpur University, Napaam-784028
8.	SRP23-21	Cellulosic bio-composites derived from the waste residues of Assam Indigenous Bhim-Kol (Musa balbisiana) plant for Pharmaceutical 3D Printing applications.	Ms. Prajakta Vilas Pawaskar Department of Pharmaceutics, National institute of Pharmaceutical Education and Research (NIPER), Guwahati-781101	Dr. Subham Banerjee Associate Professor Department of Pharmaceutics National institute of Pharmaceutical Education and Research (NIPER), Guwahati-781101
9.	SRP23-22	Green synthesized graphene oxide decorated ternary metal oxide composite for Waste- water purification and anti-microbial	Ms. Priyanka Barooah Department of Chemistry Bodoland University, Rangalikhata, Debargaon, Assam-783370	Prof. Sanjay Basumatary Professor and Head, Department: Chemistry Bodoland University Rangalikhata, Debargaon, Assam-783370
10.	SRP23-23	An Intelligent Drone System for Identifying Faults in Photovoltaic Modules.	Ferdinand Gatphoh Department of Electrical and Electronics Engineering Assam Don Bosco University, Airport Road, Azara-781020	Mr. Mriganka Gogoi and Pushpanjalee Konwar, Assistant Professor (Senior) Department of Electrical and Electronics Engineering, Assam Don Bosco University, Airport Road, Azara-781020
11.	SRP23-25	Development of Curcumin loaded Nano-fibrillated cellulose film for Wound dressing using plant derived fiber from Oenanthe javanica	Easter Grace Marbaning Department of Pharmaceutical Science, Dibrugarh University, Dibrugarh, Assam- 786004	Dr. Md. Kamaruz Zaman Professor Department of Pharmaceutical Science Botany, Dibrugarh University, Assam- 786004

Sl. No	Project Code No.	Project Title	Name, Department and full address of the student	Name, Designation and Full address of the supervisor
12.	SRP23-27	Aquous extract of dillinia indica (AEDI): A sustainable biocatalyst for one-potchemoselective synthesis of pyrazolo[3,4-b] pyridine-5-carbonitrilesin aqueous medium	Ms. Gitashree Choudhury Department of Chemistry Gauhati University Jalukbari, Guwhati-781014	Dr. Dibakar Chandra Deka Vice-Chancellor Mizoram University, Aizawl, Mizoram-796004
13.	SRP23-28	Development of Smartphone-Enabled Electrochemiluminescence Sensor for Antioxidant Detection in Tea and Beverages	Mr. Chunuranjan Dutta Department of Physics Tezpur University, Napaam, Sonitpur, Assam – 784028.	Dr. Pabitra Nath Professor, Department of Physics Tezpur University, Napaam, Sonitpur, Assam – 784028
14.	SRP23-29	Development of a Cost-Effective and Customizable 3D-Printed Multimodal Microscopic Imaging System	Mr. Biprav Chetry Department of Physics Tezpur University, Napaam, Sonitpur, Assam – 784028.	Dr. Pabitra Nath Professor, Department of Physics Tezpur University, Napaam, Sonitpur, Assam – 784028.
15.	SRP23-30	Synthesis of Eu ²⁺ Doped CaAl ₂ O ₃ persistence luminescence phosphor for road safety signage applications	Ms. Pragya Parasar Department of Physics Cotton University, Pan Bazar, Guwahati, Assam-781001	Dr. Jitumani Kalita Assistant Professor, Department of Physics Cotton University, Pan Bazar, Guwahati, Assam- 781001
16.	SRP23-31	AI-Driven Oral Cavity Squamous Cell Carcinoma Diagnosis System	Mr. Lal Omega Boro Department of Computer Application, Assam Don Bosco University, Azara, Guwahati, Assam-781017	Dr. Gypsy Nandi Associate Professor Department of Computer Application Assam Don Bosco University, Azara, Guwahati Assam-781017
17.	SRP23-36	Development of biomass-derived superhydrophobic catalyst for biodiesel production: optimization by RSM and life-cycle cost analysis	Ms. Supongsenla Ao Department of Chemistry NIT Silchar, Cachar, Assam- 788010	Dr. Samuel Lalthazuala Rokhum Assistant Professor Department of Chemistry NIT Silchar, Cachar, Assam-788010

Sl. No	Project Code No.	Project Title	Name, Department and full address of the student	Name, Designation and Full address of the supervisor
18.	SRP23-38	Identification of gut bacterial diversity in muga silkworm <i>Antheraea assamensis</i> Helfer collected from Eastern Region of Assam.	Ms. Puspakhi Borah Department of Zoology Nowgong College (Autonomous) Nagaon, Assam-782001	Dr Bhuban Chandra Chutia Assistant Professor (Stage III), Department of Zoology Nowgong College (Autonomous) Nagaon, Assam-782001
19.	SRP23-44	Immunomodulatory Efficacy of Theaflavin, a Major Black Tea Polyphenol in Human Monocyte Thp-1 Cell Line; A Study Pertaining to Nutraceutical Product Development	Ms. Diksheetsa Sharma Department of Biotechnology Tocklai Tea Research Institute Mariani Froad, Cinnamora, Jorhat-785008	Dr. Pritom Chowdhury Scientist "B", Department of Biotechnology Tocklai Tea Research Institute Mariani Froad, Cinnamora, Jorhat-785008
20.	SRP23-48	Sustainable development of biopolymer based smart packaging material from waste rice straw	Mr. Gyandeep Saikia Department of Chemistry The Assam Kaziranga University, Jorhat-785006	Dr. Rekha Rani Dutta Assistant Professor, Dept. of Chemistry, The Assam Kaziranga University, Jorhat-785006
21.	SRP23-50	GRIHINI (An Ensemble Smart Kitchen Concept)	Mr. Subhraneel Chowdhury Dept. of Computer Science and Engineering, Assam Don Bosco University, Azara, Ghy-17	Dr. Hemashree Bordoloi, Asst. Professor, Dept. of Electronics and Communication Engineering, Assam Don Bosco University, Azara, Ghy-17
22.	SRP23-56	Fermentation-driven approach to isolate probiotic bacteria from mint leaves	Samborlang Dkhar Department of Bio-Sciences, Assam Don Bosco University, Tapesia campus, Kamarkuchi – 782402, Sonapur, Assam	Dr. Vedant Vikrom Borah Assistant Professor, Dept. of Bio-Sciences, Assam Don Bosco University, Tapesia campus, Kamarkuchi – 782402, Sonapur, Assam.

Sl. No	Project Code No.	Project Title	Name, Department and full address of the student	Name, Designation and Full address of the supervisor
23.	SRP23-63	Flood Hazard Assessment and Mapping Using Geospatial Techniques in the Pagladiya and Puthimari River Basins.	Mr. Shubham Gupta Department of Civil Engineering, Indian Institute of Technology, Guwahati-781039	Dr. Sayantan Chakravarti Assistant Professor Department of Civil Engineering, Indian Institute of Technology, Guwahati, Assam-781039
24	SRP23-67	Exploring Cost-Effective Substrates for Cultivating Reishi Mushrooms (Ganoderma Lucidum) In Northeast India.	Mr. Vishal das Dept. of Biotechnology, Gauhati University, Jalukbari, Guwahati-781014	Dr Debasish Borbora Asst. Professor, Dept. of Biotechnology Gauhati University, Jalukbari, Guwahati-781014
25.	SRP23-72.	Diversity of avian fauna their habitat distribution and behaviours in the fringe area Raimona	Ms. Sonia Mushahary Department of Zoology Assam Don Bosco University Tapesia Gardens, Sonapur, Assam- 782402	Saibal Sengupta Professor, Department of Zoology Assam Don Bosco University Tapesia Gardens, Sonapur, Assam- 782402
26.	SRP23-78.	Development of Nanomaterial Coated Bandages with Hemostatic Wound Healing Properties	Ms. Nairika Deka Department of Centre of Excellence in Nanotechnology (CoEN), Faculty of Engineering (FoE) , Assam Down Town University, Panikhaiti, Guwahati, Assam 781026	Prof. Sunandan Baruah Director of Innovation, Startup and Acceleration (DISA) Assam Down Town University, Panikhaiti, Guwahati, Assam-781026
27.	SRP23-86	In Silico Investigation and library preparation of active compound from Trigonella foenum-graecum(Fenugreek) as potent lead compound and future drug candidate against Alzheimer's disease	Ms. Titikhya Baruah Dept. of Computational Biology & Biotechnology, Mahapurusha Srimanta Sankardeva Viswavidyalaya, Guwahati- 781007	Dr. Arabinda Ghosh Associate Professor Dept. Computational Biology & Biotechnology Mahapurusha Srimanta Sankardeva Viswavidyalaya, Guwahati- 781007

Sl. No	Project Code No.	Project Title address	Name, Department and full of the student	Name, Designation and Full address of the supervisor
28.	SRP23-88	Carrier free nanoparticle for targeted therapy of pancreatic ductal adenocarcinoma: A rare but deadly disease of North East India	Ms. Venessa Nath Department of Pharmaceutical Science, Dibrugarh University, Dibrugarh-786004	Prof. Bhaskar Muzumder Dept. of Pharmaceutical Science Dibrugarh University, Dibrugarh-786004
29.	SRP23-90	Assessment of polypropylene (PP) polyethylene terephthalate (PET) microplastic removal potential of earthworms and black soldier fly larvae: A comparative study on microplastic-induced stress in exposed organisms	Ms. Dhriti Sundar Boro Dept. of Environmental Science Tezpur University, Napaam, Sonitpur, Assam-784028	Dr. Satya Sundar Bhattacharya Dept. of Environmental Science Tezpur University, Napaam, Sonitpur, Assam--784028