

Allocation of B.Tech. Projects for 2024 passout batch			
Sl. No.	Project Supervisor	Project Title	Alloted Student with class Roll No.
1	Dr. Rabindranath Jana	Development of future generation solar cell	Chhuti Mistry(20/CHE/38), Anjali Jha(20/CHE/15), Anshika Kumari(20/CHE/18), Ankit Kumar(L21/CHE/129)
2	Dr. Rabindranath Jana	Functionalization of nanoparticles	Rajasree Giri(20/CHE/69), Argha Maiti(20/CHE/21), Arijit Jana(20/CHE/22), Kriti Mondal(L21/CHE/133)
3	Guide: Prof. A K Saha Co-Guide: Keka Rana	Exploration of CO <sub>2</sub> -H <sub>2</sub> O auxiliary equilibrium to harness solar energy for refrigeration and air-conditioning.	Sayan Sahoo(L21/CHE/136), Bidisha Jana(L21/CHE/132), Souvik Roy(20/CHE/106), Souvik Panja(20/CHE/105)
4	Guide: Prof. A K Saha Co-Guide: Sonali Samanta	Characterization of Tal-palm (Borassus flabellifer) fruit-fibre for different uses.	Amit Das(20/CHE/10), Anish Kumar(20/CHE/13), Gourab Kumar(20/CHE/44),
5	Dr. Siddhartha Sankar Boxi	Development of Pesticide Residue Detection Process for Fruits and Vegetables.	Shreya Tarafdar(20/CHE/92), Sanjiban Chatterjee(20/CHE/80), SuBham Kumar Maity(20/CHE/111), Sagnik Chakraborty(20/CHE/77)
6	Dr. Siddhartha Sankar Boxi	Use of heterogeneous nanocatalyst for the production of biodiesel from sewage sludge	Binay Pal(20/CHE/35), Abhijit Das(20/CHE/01), Aneket Singh(20/CHE/11), Pintu Kumar Saw(20/CHE/60)
7	Prof. Radha Das	Production of Sodium Silicate ( Na <sub>2</sub> SiO <sub>3</sub> ) & Silica (SiO <sub>2</sub> ) from Sugar Cane Bagasse and other Agricultural Wastes : Waste to Wealth	Subhadip Saha(20/CHE/107), Kishalay Mukherjee(20/CHE/48), Dipanwita Bhowmik(20/CHE/42),
8	Prof. Radha Das	Removal of Heavy Metals from Synthetic Wastes using Bio-Adsorbents : A Green Approach	Suman Kumar Patra(20/CHE/116), Subhankar Pramanik(20/CHE/113), Saurabh Kumer (20/CHE/83)
9	Prof. Radha Das	Photo degradation of Pharmaceutical Wastes / Heavy Metals in Presence of Semiconductor Nanomaterials	Suryakanta Giri (20/CHE/119), Subhajit Patra (20/CHE/108), Subhadeep Naskar (20/CHE/94)
10	Dr. Deepak Kumar Samal	Hydrodynamic study of two stage continuous PSRBC bubble column	Tripti Sing (20/CHE/124), Babusona Dolui (L21/CHE/130), Nilaj Kumar Pradhan (L21/CHE/134) Sunil Kumar (20/CHE/117)
11	Dr. Deepak Kumar Samal	Mass transfer study in a semi-fluidized bed.	Saurav Kumar (20/CHE/84), Sujeet Ranjan (20/CHE/114), Pranjali Jha (20/CHE/63)
12	Dr. Biswajit Mandal	Studies on the composition of electro-catalyst for Proton exchange membrane fuel cell	Snehashis Kuila(20/CHE/95), Saibal Maity(20/CHE/78), Soumyakanti Pal(20/CHE/99), Soumya Subhra Guha (20/CHE/100)

13	Dr. Biswajit Mandal	Studies on the proton exchange membrane for hydrogen fuel cell.	Kajal Poddar(20/CHE/46), Mukut Anand(20/CHE/56), Amar Kumar(20/CHE/07), Chandan Kumar Gupta(20/CHE/37)
14	Guide: Dr. Suman Saha Co-Guide : Dr. Anora Ali Khan	Recovery of Value-added Compounds from Agricultural Sources: Experimentation and Theoretical Analysis.	Md. Mazidul Hossain (20/CHE/52), Arjun Moi (20/CHE/24), Md. Ejaz Nasem (20/CHE/54)
15	Guide: Dr. Suman Saha Co-Guide : Dr. Anora Ali Khan	Kinetics on Removal of Natural Organic Matters from Water Bodies using Hybrid Separation Process: Experimental and Theoretical Approach.	Akash Saha(20/CHE/06), Nikhil Parmar(20/CHE/59), Debjit Biswas(20/CHE/40), Souvik Adak(20/CHE/103)
16	Dr. Sourav Poddar	Studies on design and operation parameters of regenerative fuel cell	Amar Pradhan(20/CHE/08), Ayan Jana(20/CHE/31), Anshu Kumar(20/CHE/19)
17	Dr. Sourav Poddar	Chromium removal from domestic wastewater	Abhijit Ghosh(20/CHE/02), Rabi Ranjan(20/CHE/73), Rohit Chatterjee(20/CHE/75), Tanisha Mukhopadhyay(20/CHE/122)
18	PI - Dr. Somak Jyoti Sahu, Co - I - Dr. Sutapa Roy	Studies on Agro based biomass up gradation as energy source	Sayan Halder(20/CHE/85), Rukmini Ghosh(20/CHE/76), Sekhar Gourab Bhagat(20/CHE/91), Som roy(20/CHE/96)
19	PI - Dr. Somak Jyoti Sahu Co I - Dr. Lipika Das	Studies of Water Quality Index around Haldia Industrial Region	Rahul Roy(20/CHE/67), Rakesh Jana(20/CHE/70), Subhajyoti Maity(20/CHE/110)
20	Dr. Somak Jyoti Sahu	Studies on recycling of used engine oil to save the environment	Baishakhi Das(L21/CHE/131), Ankana Pramanik(20/CHE/16), Chirag Kumar Kabi(20/CHE/39)
21	PI: Prof. Tapas Kumar Manna Co I: Dr. Biswajit Mandal	Some studies on Solar powered zero discharge roof top water purification system for domestic use.	Subhankar Dutta(20/CHE/112), Sayantan Maity(20/CHE/89), Suman Das(20/CHE/115)
22	PI: Prof. Tapas Kumar Manna Co I: Dr. Lipika Das	Impregnated Egg shell and conch shell as Heterogeneous Nanocatalysts for Biodiesel Production .	Manjar Alam(20/CHE/53), Jaya Kumari(20/CHE/45),Deep Raj(20/CHE/43), Animesh Nagwanshi(20/CHE/12)
23	Guide: Sonali Samanta Co-Guide: A. K. Saha	Synthesis of Graphene Oxide from Waste Material for Sustainable Application.	Abhiroop Sahoo(20/CHE/04), Akash Chand(20/CHE/5)
24	Guide: Sonali Samanta Co-Guide: A. K. Saha	Development of Waste Supported TiO <sub>2</sub> for Photocatalytic Application.	Sougata Khatua(20/CHE/98), Sunil Kumar Chouhan(20/CHE/118), Bikash Kumar(20/CHE/126)

25	PI: Dr. Sutapa Roy Co-PI: Prof. S.B. Kuila, T. Ghosh, Dr. S. Chatterjee & Dr. S. Das Majhi	Development and characterization of novel antibacterial bio-polymeric hydrogel.	Rishikesh Kumar(20/CHE/74), Raja Kumar(20/CHE/68), Barun Kumar(20/CHE/125), Amartya Kumar(L21/CHE/127)
26	PI: Dr. Sutapa Roy Co-PI: Prof. S.B. Kuila & Dr. T. Ghosh	Studies on the mechanical properties of nano-reinforced epoxy-vinyl composites.	Priyeranjan (20/CHE/65), Rahul Kumar (20/CHE/66), Raushan Kumar (20/CHE/72), Avijit Samanta (20/CHE/28)
27	PI: Dr. Tanushree Ghosh Co-PI: Prof. S.B. Kuila & Dr. Lipika Das	Studies on the efficiency of drug molecules separation using polymeric hydrogel in drug delivery system.	Millind Pranay (20/CHE/055) Somnath Mukherjee (20/CHE/97), Soumyadeep Chowdhury (20/CHE/102)
28	PI: Lipika Das Co-PI: Dr. Biswajit Mandal	Developing dye-sensitized solar cells based on anatase titanium di-oxide by using naturally occurring dyes as sensitizers.	Arisha Mondal(20/CHE/23), Sayan Pusti(20/CHE/86), Subhajit Saha(20/CHE/109), Sayan Santra(20/CHE/87)
29	PI: Lipika Das Co-PI: Dr. Sutapa Roy and Dr. Tanushree Ghosh	Synthesize of nano catalyst from natural waste	Asahnkur Pandit(20/CHE/26), Sayan Kumar Das(L21/CHE/135), Ankush Samanta(20/CHE/17), Koustav Samanta(20/CHE/50)
30	PI: Dr. Anoar Ali Khan Co-I : Dr. Suman Saha	Development & Characterization of Activated Biochar Towards Heavy Metal Removal from Industrial Effluent	Arnab Kumar Mondal(20/Che/25), Neeladri Sekhar Bera(20/CHE/57), Ayan Maity(20/CHE/32)
31	PI: Dr. Barnali Bej , Co PI : Dr. Siddhartha Sankar Boxi	Application of steam activated biochar for river water purification.	Anish Mondal(L21/CHE/128), Ayanika Chatterjee(20/CHE/33), Koushik Ghosh(20/CHE/49), Kushal Mishra(20/CHJE/51)
32	PI: Dr. Barnali Bej , Co PI : Dr. Siddhartha Sankar Boxi	Production of biodiesel from waste cooking oil using novel indigenous nanocatalyst.	Sayantana Ghosal)20/CHE/88), Sanchalak Ghosh(20/CHE/79), Subhadip Bag(20/CHE/93)
33	PI: Ms. Aditi Sinha Co I: Dr. Biswajit Mandal	An investigation into hydrogen, the clean energy source of the future: Strategies for storing hydrogen	Abhinaba Mondal(20/CHE/03), Anupam Ghosh(20/CHE/20), Tanisha Dutta(20/CHE/123)
34	Ms. Aditi Sinha	Studies on electrocatalysis of Polymer Electrolyte Membrane Fuel Cell(PEMFC)	Prachi Singh(20/CHE/62), Soumyadip Raptan(20/CHE/101), Tanmay Ghara(L21/CHE/138)
35	Ms. Keka Rana	Study of optimum clearance volume between two concentric cylinders of Couette flow membrane module using computational fluid dynamics approach.	Sayantak Maity(20/CHE/121), Pratham Gupta(20/CHE/64), Sanjukta Saha(20/CHE/81)

36	PI: Prof. Sunil B. Kuila CO-I: Dr. Biswajit Mandal & Dr. Chandan Datta	Synthesis & Charecterization of re-inforced Polymeric IPN Hydrogels.	Abhirup Das(20/CHE/29), Debshilpi Patra(20/CHE/41), Sayan Majhi(20/CHE/90), Swapnaja Sarkar(20/CHE/120)