

PANDIT DEENDAYAL PETROLEUM UNIVERSITY			
School of Technology, Gandhinagar			
B. Tech. Chemical Engineering (VIII Semester)			
B.Tech Project 2011 Batch			
S/No	Roll no.	Seminar Title	Faculty Guide
1	11BCH001	CTL (coal to liquid ) and GTL (gas to liquid) Processes.	Dr. Sukanta Dash
2	11BCH002	Calculation of total capital investment and Balance sheet preparation of a company	Ms. Sweta Balchandani
3	11BCH004	Comparative evaluation of various catalysts used for removal of NOx from air streams.	Mr. Anirban Dey
4	11BCH005	Modeling of Pervaporartion	Dr. Pravin Kodgire
5	11BCH006	Role of Nano Organic fertilizers in agro production	Ms. Bharti Saini
6	11BCH007	Modeling and simulation of biodiesel production process.	Dr. Sukanta Dash
7	11BCH008	Poly (lactic acid): Biodegradable polymer	Dr. Pravin Kodgire
8	11BCH009	Preparation and application of perovskite catalysts for diesel soot oxidation: An overview	Mr. Abhishek Kumar Singh
9	11BCH010	Study of Polymeric electrolyte membrane fuel cells: Technology, applications and need for fundamental research.	Mr. Anirban Dey
10	11BCH011	Study of nanocatalyst preparation for biodiesel	Ms. Anvita Sharma
11	11BCH012	Ethanol as a substitute for the production of petrochemicals in place of petroleum	Mr. Himanshu Choksi
12	11BCH013	Polymer Blends & Composites	Mr. Himanshu Choksi
13	11BCH014	Modification of zeolites like dealumination, realumination and desilication	Ms. Minakshree Phutke
14	11BCH015	Application of membrane bioreactors (MBR) in waste water treatment	Ms. Bharti Saini
15	11BCH016	Post combustion CO2 capture and Carbon Sequestration Technologies.	Dr. Sukanta Dash
16	11BCH017	Plastic Waste Management In India	Ms. Bharti Saini
17	11BCH018	Experimental and Numerical investigation of gas-liquid flow in two phase systems	Dr. Pravin Kodgire
18	11BCH019	Nanotechnology for chemical engg	Ms. Anvita Sharma
19	11BCH020	Biodiesel production through homogeneous catalysis	Mr. Himanshu Choksi
20	11BCH021	Modeling of reactive distillation for the production of biodiesel	Mr. Abhishek Kumar Singh
21	11BCH022	Study of CO2 adsorption kinetics on mesoporous silica under wide range of pressure and temperature	Mr. Anirban Dey
22	11BCH023	Catalytic production of H2	Mr. Abhishek Kumar Singh
23	11BCH024	Optimization of a process by applying response surface methodology	Mr. Abhishek Kumar Singh
24	11BCH025	Protection of petroleum and gas pipe lines from corrosion: An overview	Mr. Abhishek Kumar Singh
25	11BCH026	Biodiesel production through heterogeneous catalysis	Mr. Himanshu Choksi
26	11BCH027	Enhanced oil recovery using microbes	Dr. Pravin Kodgire
27	11BCH028	Kinetic and equilibrium study for the arsenic adsorption using various nanoparticles	Mr. Anirban Dey
28	11BCH029	Secondary water treatments (biological treatment processes).	Dr. Sukanta Dash
29	11BCH030	Production of methanol using bio-catalyst	Ms. Anvita Sharma
30	11BCH031	Different techniques for CO2 capture	Ms. Sweta Balchandani
31	11BCH032	Recent developments in the catalytic hydrodesulphurization process in Petroleum Refinery.	Mr. Anirban Dey
32	11BCH033	Bio-oxidation - A Technology For Sustainable Air Pollution Control	Ms. Bharti Saini
33	11BCH034	Natural gas processing: removal of acid gases by activated MDEA process.	Dr. Sukanta Dash
34	11BCH035	Artificail Neural Network in Chemical Industries for fault detection and diagnosis	Dr. Pravin Kodgire
35	11BCH036	Nano Technology-Fueling the Chemical Industry's Future.	Dr. Sukanta Dash
36	11BCH037	Optimization of Heat Exchanger Networks	Ms. Sweta Balchandani
37	11BCH038	Noise Pollution and Control in Chemical Industry	Ms. Bharti Saini
38	11BCH039	Bio-Medical Waste Management in India	Ms. Bharti Saini
39	11BCH040	Polymer Hydrogels: Unique material for bio separations, biosensing and drug delivery	Dr. Pravin Kodgire
40	11BCH041	Green catalyst in biodiesel production	Ms. Anvita Sharma
41	11BCH042	Application of fluidized bed technology in chemical Industries.	Mr. Anirban Dey
42	11BCH043	Recent developments in the application of Zeolites in Petroleum refining.	Mr. Anirban Dey
43	11BCH044	Syn gas – New alternative feedstock to Petrochemicals	Mr. Himanshu Choksi
44	11BCH045	Review of trace organic removal through riverbank filtration	Ms. Bharti Saini
45	11BCH046	Conducting Polymers	Mr. Himanshu Choksi
46	11BCH047	Cleaning and disinfection technologies in food industries an overview	Mr. Abhishek Kumar Singh
47	11BCH048	Developments in Polyolefine Production Technologies	Dr. Pravin Kodgire
48	11BCH049	Study of Biodiesel Production using Ultrasonic Technology	Ms. Anvita Sharma
49	11BCH050	Modeling and Simulation of the Immune System as a Self-Regulating Network	Mr. Abhishek Kumar Singh
50	11BCH051	Removal Cu <sup>2+</sup> ion from synthetic waste water	Ms. Minakshree Phutke
51	11BCH052	Supercritical Extraction	Mr. Himanshu Choksi
52	11BCH053	Zeolite coatings for corrosion prevention and controlling	Ms. Minakshree Phutke
53	11BCH054	Review of metal recovery from waste catalyst	Ms. Bharti Saini
54	11BCH055	Studies on effect of various parameters on the production of biodiesel using microwave techniques	Ms. Anvita Sharma
55	11BCH056	Anti-corrosive coatings	Ms. Minakshree Phutke
56	11BCH057	Study and simulation of non-traditional optimization techniques	Ms. Sweta Balchandani

57	11BCH058	Circulating fluidised bed coal gasifiers, modeling of coal gasification kinetics.	Dr. Sukanta Dash
58	11BCH059	Study of Langmuir and Freundlich isotherms for adsorption	Ms. Minakshree Phutke
59	11BCH060	Study and simulation of traditional optimization techniques	Ms. Sweta Balchandani