

PANDIT DEENDAYAL PETROLEUM UNIVERSITY			
School of Technology, Gandhinagar			
B. Tech. Chemical Engineering (VIII Semester)			
B.Tech Project 2012 Batch			
S/No	Roll no.	Seminar Title	Faculty Guide
1	12BCH001	Heat exchanger design and rating using Aspen Plus	Dr. Sukanta Dash
2	12BCH002	Fuzzy logic	Ms. Sweta Balchandani
3	12BCH003	Design and operation of petroleum processing equipments	Mr Anirban Dey
4	12BCH004	Principal component analysis and its simulation	Ms. Sweta Balchandani
5	12BCH005	Process simulation of petroleum refining unit	Dr. Sukanta Dash
6	12BCH006	Environmental pollution & corrosion control in petroleum refineries	Mr Anirban Dey
7	12BCH008	Optimization techniques for design of experiments	Mrs. Anvita Sharma
8	12BCH009	Study on the algorithm for the removal of noise from data signal	Mr. Abhishek Kumar
9	12BCH010	Exergy analysis of Chemical Industry /Process	Dr. Pravin Kodgire
10	12BCH011	Clean Coal Technology	Dr. Sukanta Dash
11	12BCH012	Transportation of oil & gas through pipelines	Mr. Himanshu Choksi
12	12BCH014	Artificial Neural network	Ms. Sweta Balchandani
13	12BCH016	A review on application of Ionic liquids in separation technology	Mr Anirban Dey
14	12BCH017	Application of membrane technology in waste water treatment	Mrs. Anvita Sharma
15	12BCH018	Different optimization tools used in process optimization	Mr. Abhishek Kumar
16	12BCH019	Modeling of PC-SAFT EoS equation of state for a ternary/ binary system	Ms. Sweta Balchandani
17	12BCH021	Flare design	Dr. Pravin Kodgire
18	12BCH022	Clean Energy: Global and Indian Scenario 2050	Dr. Pravin Kodgire
19	12BCH023	Waste water treatment using ozone microbubbles	Mr Anirban Dey
20	12BCH024	Hydrogen production from gas feed stock	Dr. Sukanta Dash
21	12BCH025	3D Printing and 3D design and printing: Role in Chemical Engineering	Dr. Pravin Kodgire
22	12BCH026	Effect of ultrasonics on chemical reactions	Mrs. Anvita Sharma
23	12BCH028	Production of food grade hexane and its utilization in food industry	Mr. Abhishek Kumar
24	12BCH029	Recent advancement on Shale oil extraction	Mr Anirban Dey
25	12BCH030	Catalyst utilized in polymer reaction and its recovery from the reacting system	Mr. Abhishek Kumar
26	12BCH031	Dynamic simulation of ammonia/urea manufacturing plant	Dr. Sukanta Dash
27	12BCH032	Microfluidics: Synthesis Methods and its applications	Dr. Pravin Kodgire
28	12BCH033	Micro reactors and application in chemical engineering	Dr. Pravin Kodgire
29	12BCH034	Transesterification rxn mechanism using homogenous and heterogeneous catalyst	Mrs. Anvita Sharma
30	12BCH035	Role of chemical engineers in development of drug delivery system	Mr. Abhishek Kumar
31	12BCH039	Thermodynamic & Heat transfer mechanism of microwave in chemical reactions	Mrs. Anvita Sharma
32	12BCH040	Application of graphene in fuel cell	Mr Anirban Dey
33	12BCH041	Data regression analysis in Aspen Plus for CO ₂ absorption process using MEA solvent	Ms. Sweta Balchandani
34	12BCH042	Usage of natural gas for chemical production	Mr. Himanshu Choksi
35	12BCH043	Vapour liquid equilibrium study of CO ₂ absorption in amines	Mr Anirban Dey
36	12BCH045	Conversion of residue obtained from the crude oil distillation to high value products	Mr. Abhishek Kumar
37	12BCH046	Production, characterization and utilization of lubricants for automotive section	Mr. Abhishek Kumar
38	12BCH047	Syn gas from bagasse	Mr. Himanshu Choksi
39	12BCH048	Syn gas from biomass	Mr. Himanshu Choksi
40	12BCH052	Environment Impact assessment	Mr. Himanshu Choksi
41	12BCH053	Post Combustion CO ₂ Capture from flue gas streams	Dr. Sukanta Dash
42	12BCH055	Hydrodynamics of single phase and two phase flow in microchannels and microreactors	Dr. Pravin Kodgire
43	12BCH056	Development of vaccines for chronic disorders	Ms. Sweta Balchandani
44	12BCH058	Environment Audit	Mr. Himanshu Choksi
45	12BCH059	Membrane fabrication and characterization methods	Mrs. Anvita Sharma
46	12BCH061	Data regression analysis in Aspen plus for CO ₂ absorption process using MDEA solvents	Ms. Sweta Balchandani