

PANDIT DEENDAYAL PETROLEUM UNIVERSITY			
School of Technology, Gandhinagar			
B. Tech. Chemical Engineering (VIII Semester)			
B.Tech Project 2014 Batch			
S/No	Roll no.	Seminar Title	Faculty Guide
1	13BCH003	State of art of polymer membranes in industrial gas separations	Mr. Surendra Sasikumar
2	13BCH007	Catalysis aspects of Metal Oxides in the context of biodiesel production	Mr. Surendra Sasikumar
3	13BCH059	Surface modification methods for membrane	Mrs. Bharti saini
4	14BCH002	CO ₂ sequestration in underground coal mines: Study of Adsorption characteristic of CO ₂ in Coal bed.	Dr. Sukanta Dash
5	14BCH003	Photo-catalytic water splitting for the production of hydrogen gas	Dr. Sukanta Dash
6	14BCH004	Unfavourable factors responsible for the biodiesel production	Mr. Anirban Dey
7	14BCH005	Membrane separation for radioactive waste management	Dr. Manish Sinha
8	14BCH006	Study of ternary phase diagram in membrane synthesis	Mrs. Bharti saini
9	14BCH008	Manufacture of artificial insulin	Dr. Pravin Kodgire
10	14BCH009	Bioluminescence	Mrs. Anvita Sharma
11	14BCH011	CO ₂ conversion to transport fuels over solid catalysts	Dr. Ashish Unnarkat
12	14BCH012	Study of kinetic parameter in membrane preparation by phase inversion	Mrs. Bharti saini
13	14BCH013	Process Simulation of production of Hydrogen from natural gas	Mr. Anirban Dey
14	14BCH014	Post Combustion Carbon Dioxide Capture using single and activated Solvent	Prof. S.S.Bandyopadhyay
15	14BCH015	A Hazard & operability Study of Distillation Column	Dr. Pravin Kodgire
16	14BCH016	Review of the new Reactor Design and Catalyst for Fischer Tropsch Process	Prof. S.S.Bandyopadhyay
17	14BCH017	Removal of Arsenic and other trace heavy metal from ground water.	Dr. Pravin Kodgire
18	14BCH018	Chemical Looping Combustion	Dr. Ashish Unnarkat
19	14BCH019	Review on Adsorbent for oil spill control	Mr. Surendra Sasikumar
20	14BCH020	Recent Developments in Membrane Distillation	Dr. Ashish Unnarkat
21	14BCH021	Value chain analysis of waste cooking oil for biodiesel production	Mrs. Anvita Sharma
22	14BCH023	LNG technology evaluation and design of open rack vaporizer using Aspen plus	Ms. Sweta Balchnadani
23	14BCH024	Characterization of Ultrafiltration polymeric membranes	Dr. Sukanta Dash
24	14BCH025	Biodegradable Plastic	Dr. Manish Sinha
25	14BCH026	Carbon dioxide absorption using (amine + ionic liquid) blend	Mr. Anirban Dey
26	14BCH027	Process simulation for sensitivity analysis of Biodiesel from waste cooking oil	Mrs. Anvita Sharma
27	14BCH028	Production and modification of PVDF membranes	Mrs. Bharti saini
28	14BCH029	Radioactive waste management	Mrs. Bharti saini
29	14BCH030	Membrane Contactors	Dr. Manish Sinha
30	14BCH031	CO ₂ sequestration by mineralisation of carbon.	Dr. Sukanta Dash
31	14BCH033	Fouling resistance Ultrafiltration membrane	Mr. Anirban Dey
32	14BCH036	CO ₂ capture using diamines(hexamethylene diamine & piperazine)	Prof. S.S.Bandyopadhyay
33	14BCH037	Optimization of distribution network	Ms. Sweta Balchnadani
34	14BCH039	Wind power in France	Ms. Sweta Balchnadani
35	14BCH041	Recent Developments in Photocatalysis	Dr. Ashish Unnarkat
36	14BCH042	Choosing an adsorbent for VOC's: zeolite, carbon or polymers?	Dr. Pravin Kodgire
37	14BCH043	Artificial neural network and its application in chemical industry.	Dr. Pravin Kodgire
38	14BCH044	Study of thermal design of shell and tube heat exchanger	Ms. Sweta Balchnadani
39	14BCH045	Supercritical ethanol technology for biodiesel production	Mr. Himanshu Choksi
40	14BCH047	Bioadsorbents for Fluoride Removal	Dr. Ashish Unnarkat
41	14BCH049	Productivity and selectivity aspects of polymer gas separation membranes	Mr. Surendra Sasikumar
42	14BCH050	Methods of estimating solubility of gases in the polymers	Mr. Surendra Sasikumar
43	14BCH052	Review: Global and local scenario on Biodiesel production from waste cooking oil	Mrs. Anvita Sharma
44	14BCH053	Catalysis aspects of Metal Organic Frameworks for biodiesel production	Mr. Surendra Sasikumar
45	14BCH055	Micro bubbles for waste water treatment	Dr. Manish Sinha
46	14BCH056	Ethical issues relating to biofuels	Mrs. Bharti saini
47	14BCH057	Mitigation aspect of disadvantages in the production of biodiesel	Ms. Sweta Balchnadani
48	14BCH058	Optimization techniques using MINITAB	Mr. Himanshu Choksi
49	14BCH059	Waste water treatment by advance oxidation technology	Mr. Anirban Dey
50	14BCH060	Conducting Polymer	Dr. Manish Sinha
51	14BCH062	Biodiesel production via supercritical methanol	Mr. Himanshu Choksi
52	14BCH063D	Storage of hydrogen (Hydrogen Energy Storage)	Dr. Sukanta Dash
53	14BCH064D	Separation techniques based on Graphene oxide membrane	Mr. Anirban Dey
54	14BCH065D	Process simulation to estimate biodiesel production cost from waste cooking oil	Mrs. Anvita Sharma