

Projects Guided during 1996-97

1. Study Oriented Projects (BITS C323): 3 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	Design of Agitators for Chemical Reactors.	27-08-1996	05-12-1996
2.	Application of Fluidized Techniques.	27-08-1996	05-12-1996
3.	A study on the Kinetics of a Trickle Bed Reactor.	06-01-1997	25-04-1997

2. Computer Oriented Projects (BITS C331 & BITSC335): 5 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	Application of Neural Networks for Fault Diagnosis.	27-08-1996	02-12-1996
2.	Chemical Process Fault Diagnosis via Artificial Neural Networks.	06-01-1997	05-05-1997
3.	Design and Simulation of a Distillation Column.	06-01-1997	05-05-1997
4.	Pinch Technology for Heat Exchanger Network Synthesis.	06-01-1997	05-05-1997
5.	Artificial Neural Networks for Fault Diagnosis in a Heat Exchanger.	06-01-1997	05-05-1997

3. Lab Oriented Projects (BITS C313): 3 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	Hydrodynamics and Heat Transfer in Two-Phase flow through Packed Beds.	27-08-1996	05-12-1996
2.	Process Control of a Continuous Stirred Tank Reactor.	06-01-1997	05-05-1997
3.	Data Acquisition System for measurement of Hydrodynamic Parameters in Packed Bed Reactors.	06-01-1997	05-05-1997

(Continued.....)

4. Special Projects (CHE C491): 2 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	Detailed Design and Simulation of Cyclone Separator.	27-08-1996	28-11-1996
2.	Residence Time Distribution in Packed Bed Reactors.	06-01-1997	24-04-1997

5. Projects for Computer-Aided-Design Course (EA C342): 3 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	Design of Shell-and-Tube Heat Exchangers.	02-09-1996	02-12-1996
2.	Design of Piping Systems.	02-09-1996	02-12-1996
3.	Design of Multi-component Distillation Column.	06-01-1997	05-05-1997

6. Projects for Fluidization Engineering Course (CHE G511): 6 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	Design of Fluidized Catalytic Reactors.	02-09-1996	25-11-1996
2.	Design of Fluidized Bed Driers.	02-09-1996	25-11-1996
3.	Design of Non-Catalytic Fluidized Bed Reactors.	02-09-1996	25-11-1996