

Project Supervised in 2004-05

Semester-1:

S. No.	Type of project	Project Title	Name of Student
1.	BITS C323 Study Oriented Project	Artificial Neural Networks for Process Modeling	Sreenivas Rao. B
2.	BITS C323 Study Oriented Project	Studies on Nanotubes	Lakshmi V Bhimavarapu
3.	BITS C323 Study Oriented Project	Studies on Water Splitting Technologies	Eranki Sandhya
4.	BITS C324 Study Oriented Project	Multi-Objective Optimization using Evolutionary Strategies	Sai Shashidhar Chinta
5.	BITS C335 Computer Project	Vapor Liquid Equilibria Via Artificial Neural Networks	Krishna P M V
6.	CHE C491 Special Project	Heat Transfer Aspects in Trickle Bed Reactors	Niharika Reddy Janagama
7.	CHE C491 Special Project	Mass Exchanger Network Synthesis	Harin Kumar Vodapalli
8.	CHE C491 Special Project	Population Based Search Algorithms for Multi-Objective Optimization	Shreevallabh A Kulkarni

Semester-2:

S. No.	Type of project	Project Title	Name of Student
1.	BITS C313 Lab Oriented Project	Process Control Via Artificial Neural Networks	Madhurima N
2.	BITS C331 Computer Project	Optimal Control of Distillation Via Artificial Neural Networks	Spandana Gorityala
3.	BITS C331 Computer Project	Modelling Aspects in Nano Technology	Sharath Kumar G
4.	BITS C331 Computer Project	Modelling and Simulation of Distillation Columns	Neha Choraria
5.	BITS C335 Computer Project	Optimal Design of Heat Exchangers	A. Amaranath Reddy
6.	BITS C335 Computer Project	Modelling and Simulation of Biomass Gasification System	Bolapati Chinni
7.	CHE C491 Special Project	Nanotechnology in Chemical Process industries	Preethy Clare Mathew

Projects for Process Plant Simulation Course (CHE G541): 21 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	Modeling and Simulation for Removal of Dissolved Oxygen from Water Using Novel Membrane Reactor.	02-08-2004	29-11-2004
2.	Modeling and Simulation for Adsorption of Methylene Chloride Vapor.	02-08-2004	29-11-2004
3.	Optimization of Fed-batch Bioreactors Using Evolutionary Strategies.	02-08-2004	29-11-2004
4.	Artificial Neural Networks for Reverse Osmosis Transport Model.	02-08-2004	29-11-2004
5.	Viscosity Prediction Technique Using Modified McAllister Pseudo-binary Model for Multi-component Liquid Mixtures.	02-08-2004	29-11-2004
6.	Modeling and Simulation of Tubular High Pressure Polyethylene Reactors with Recycling.	02-08-2004	29-11-2004
7.	Modeling and Simulation of Trickle Bed Reactor for Desulphurization and Dearomatization of Diesel.	02-08-2004	29-11-2004
8.	Simulations Using Random Particle Distribution Model for the Effect of Bed Dilution on Catalyst Performance.	02-08-2004	29-11-2004
9.	Optimization of Heat Exchanger Network Without Using Logarithmic Mean Temperature Difference.	02-08-2004	29-11-2004
10.	Modeling and Simulation for Ozone Dissolution in Rotating Packed Bed Contactor.	02-08-2004	29-11-2004

Projects for Professional Practice-I: 2 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	(a) Teaching Skills: <ul style="list-style-type: none">• Process Control (b) Research Methodology: <ul style="list-style-type: none">• Fuel Cells (c) Laboratory Skills & Professional Development: <ul style="list-style-type: none">• Temperature Control Using Conventional Controllers• Development of Process Control	02-08-2004	29-11-2004

	Laboratory		
2.	(d) Teaching Skills: <ul style="list-style-type: none"> • (e) Research Methodology: <ul style="list-style-type: none"> • (f) Laboratory Skills & Professional Development: <ul style="list-style-type: none"> • 	07-01-2005	28-04-2005

Projects for Professional Practice-II: 3 Students

S.No.	Title of the Project	Date of Commencement	Date of Submission
1.	(a) Research related activities: <ul style="list-style-type: none"> • Modeling of bioreactors for solid state fermentation. (b) Development related activities: <ul style="list-style-type: none"> • Application of FLUENT for chemical engineering problems (c) Research proposal: <ul style="list-style-type: none"> • CFD (Computational Fluid Dynamics) modeling of bioreactors for solid state fermentation. 	02-08-2004	29-11-2004
2.	(a) Research related activities: <ul style="list-style-type: none"> • (b) Development related activities: <ul style="list-style-type: none"> • (c) Research proposal: <ul style="list-style-type: none"> • 	07-01-2005	28-04-2005
3.	(a) Research related activities: <ul style="list-style-type: none"> • (b) Development related activities: <ul style="list-style-type: none"> • (c) Research proposal: <ul style="list-style-type: none"> • 	07-01-2005	28-04-2005