

## Project Supervised in 2005-06

### Semester-1:

S. No.	Type of project	Project Title	Name of Student
1.	CHE C491 Special Project	Ant Colony Optimisation for A Chemical Process Plant Operation	Eranki Sandhya
2.	BITS C323 Study Oriented Project	Fuel Cells: A State-of-the-Art Review	Prasanth Gullapalli
3.	BITS C324 Study Oriented Project	Studies on Improving Performance Efficiency of Fuel Cells in Various Applications.	Niranjana J
4.	CHE C491 Special Project	Multi Objective Differential Evolution(Mode) for Optimal Design of A Process Plant	Pradeep Kumar Katla
5.	CHE C491 Special Project	Process Control and Fault Diagnosis Via Artificial Neural Networks	K Shree Vidhyaa
6.	CHE C491 Special Project	Genetic Algorithms for Optimization of A Process Design Problem	Bitra Veenasree
7.	CHE C491 Special Project	Evolutionary Computation Strategies for Optimal Design of A Process Plant	G Vasu
8.	CHE C491 Special Project	Transport Phenomena and Kinetic Aspects in Trickle Bed Reactors	Notey Jaspreeetsingh Sukhdevsin
9.	CHE C491 Special Project	Evolutionary Multi Objective Optimization for A Chemical Process industry	Lakshmi V Bhimavarapu

### Semester-2:

S. No.	Type of project	Project Title	Name of Student
1.	BITS C323 Study Oriented Project	Expert Systems for Decision Making	Dandamudi Sravanthi
2.	BITS C323 Study Oriented Project:	Evolutionary Strategies for Optimization of Information Systems	Anita Devi Polina
3.	BITS C323 Study Oriented Project	Optimization in Business Analysis through Evolutionary algorithms	Sireesha Sukasi
4.	BITS C324 Study Oriented Project	Multi-Objective Optimization Via Evolutionary Strategies	Ashwin Sridhar Gowda

5.	BITS C331 Computer Project	Radial Basis Function Networks for Chemical Process Synthesis and Design	Brahmanapally Deepthi
6.	CE C491 Special Project	Control of Process Parameters Via Artificial Neural Networks	Vamshi Krishna S
7.	CE C491 Special Project	Evolutionary Strategies for Optimization of Process Synthesis and Design	Sunita S S
8.	CE C491 Special Project	Modelling and Simulation of Reactive Distillation	SK Mohd Mahaboob Pasha
9.	CE C491 Special Project	Removal of Volatile Organic Compounds (VOCS) using Biofiltration	D Sammipriya

**Projects for Process Plant Simulation Course (CHE G541): 17 Students**

S.No.	Title of the Project
1.	Modeling and Simulation of Batch Distillation for Concentration Profiles
2.	Modeling and Simulation of Absorption Column
3.	Modeling, Simulation and Optimization of Shell and Tube Heat Exchanger using Differential Evolution Technique
4.	Optimization of Pervaporation Process for Removal of VOC's Using Differential Evolution Technique
5.	Artificial Neural Network for the estimation of friction factor in pipe flow of Bingham Plastics
6.	Modeling and Simulation of Regular and Batch Distillation Column
7.	Artificial Neural Networks for Modeling of Non-Isothermal Batch Reactor
8.	Modeling of Gas-phase Adsorption Isotherms using Back Propagation Algorithm of ANN
9.	Modeling of vapor-Liquid equilibrium through Non-traditional optimization Algorithm

**Projects for Professional Practice-I: 1 Student**

**Projects for Professional Practice-II: 2 Students**