

## Project Supervised in 2007-08

### Semester-1:

S. No.	Type of project	Project Title	Name of Student
1.	BITS C313 Lab Oriented Project	Effect of interaction of Other Metals in the Removal of Chromium from a Waste Water Stream	Sinduja S
2.	BITS C323 Study Oriented Project	Applications of Nanotechnology in Composite Materials	Jamadagni Nakul Sudheendra
3.	BITS C331 Computer Project	Hybrid Evolutionary Strategies for Optimal Design of a Chemical Process	Srividhya S
4.	BITS C331 Computer Project	Improved Strategies in Differential Evolution	Raghuram Thyagarajan
5.	BITS C331 Computer Project	Computational Fluid Dynamics Studies on Heat Exchanger	Suhani Jhanwar
6.	BITS C335 Computer Project	Simulation of Multicomponent Distillation	S Swetha
7.	BITS C335 Computer Project	Evolutionary Multi-Objective Optimization	Divya S
8.	CHE C491 Special Project	Modelling and Simulation of Stacked Fuel Cells	Somnath Mondal

### Semester-2:

S. No.	Type of project	Project Title	Name of Student
1.	BITS C323 Study Oriented Project	Modelling and Simulation of Plasma Pyrolysis	K.Ramya
2.	BITS C331 Computer Project	Modeling and Simulation of Reactive Distillation Column	Amod Kumar
3.	BITS C331 Computer Project	Design and Simulation of Augmented Heat Exchangers	Namrata Singh
4.	BITS C331 Computer Project	Multiobjective Optimisation Using Evolutionary Approaches	Suyash Singh
5.	BITS C331 Computer Project	Optimal Design of a Chemical Process Via Evolutionary Algorithms	Tara Ravi
6.	BITS C335 Computer Project	Modeling and Simulation of Distillation Columns Using Aspen Plus	Piyul Chakravarty

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

<b>S.No.</b>	<b>Title of the Project</b>
1.	Estimation of Distribution Coefficient for Light Hydrocarbons by Using Artificial Neural Networks
2.	Equilibrium Steady State Simulation for Heterogeneous Reactive Distillation Using ASPEN PLUS
3.	Confined Impinging Jet Reactor: Simulations using FLUENT Package
4.	Modeling and Simulation of Urea Reactor and CO <sub>2</sub> Stripper in High Pressure Urea Synthesis Loop
5.	CFD Simulations for Flow Pattern in Bubble Column Reactors
6.	Catalytic Distillation Modeling and Simulation using HYSYS
7.	Modeling and Simulation of Acetone chlorination by using Aspen Plus Platform
8.	Simulation of Batch Distillation Process
9.	Simulation of Ammonia Plant Using ASPEN PLUS

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