

### Project Supervised in 2006-07

#### Semester-1:

S. No.	Type of project	Project Title	Name of Student
1.	BITS C331 Computer Project	Supertargetting for Heat Exchanger Network Synthesis	Radhika A
2.	CHE C491 Special Project	Nanotechnology Application in Fuel Cells for Hydrogen Storage	Kartik A V R
3.	CHE C491 Special Project	Self Organizing Migrating Algorithms for Optimization of Chemical Processes	Brahmanapally Deepthi
4.	CHE C491 Special Project	Modeling, Simulation and Optimisation of Chemical Processes	Bajibhargavreddy Bonam
5.	CHE C491 Special Project	Energy Integration Analysis for Optimal Design of Heat Exchanger Networks	Nagamani Sunkana
6.	BITS C335 Computer Project	Heat Exchanger Network Synthesis using Traditional and Non-Traditional Optimization Techniques	V Vivek
7.	CHE C491 Special Project	Memetic Algorithms for Optimal Design of a Complex Chemical Process	Naga Sravanti Karra
8.	CHE C491 Special Project	Dual Temperature Approach for Energy Integration Analysis	Anudeep Ponugoti
9.	CHE C491 Special Project	Artificial Neural Networks for Process Control Applications	Aparna Kasaraboina

#### Semester-2:

S. No.	Type of project	Project Title	Name of Student
1.	BITS C323 Study Oriented Project	Corrosion Prevention in Railway Coaches	Durgacharan S
2.	BITS C331 Computer Project	Modeling and Simulation of Desalination of Water	Lokhande Asawari Narsingrao
3.	BITS C331 Computer Project	Heat Transfer Augmentation Techniques	Makara Jyothi Gogula
4.	BITS C331 Computer Project	Optimal Designing of Heat Exchanger	Arun Rana
5.	BITS C331 Computer Project	The Computational Fluid Dynamics In a Shell and Tube Heat Exchanger	Yellela Sri Priya
6.	BITS C331 Computer Project	Computational Fluid Dynamics Using Fluent	Sindhura Palakodety

7.	CHE C491 Special Project	Process Plant Modeling and Simulation Using HYSYS	Himanshu Chauhan
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**Projects for Process Plant Simulation Course (CHE G541): 20 Students**

<b>S.No.</b>	<b>Title of the Project</b>
1.	Modeling and Simulation of Distillation in Packed Column
2.	Modeling and Simulation of Polymerization Reaction in Fluidized Bed Reactor
3.	Approximating Pareto Domain for Multi- Objective Optimization
4.	Dynamic Simulation of bioreactor systems by using method of lines
5.	Modeling of Shell and Tube Heat Exchanger using Artificial Neural Network
6.	ANN for Fault Diagnosis of Complex Chemical Plant
7.	Modeling of hydrodynamics in a turbulent bed contactor reactor
8.	Modeling and Simulation for Dynamic Behavior of Packed and Plate Columns
9.	Prediction of Porosity profile for Suspension Poly (Vinyl Chloride) using Mathematical models

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

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