

RESUME :

SREELAKSHMI DIDI

Education **National Institute of Technology (NIT), Trichy, India. (Dec, 1998)**
Master of Technology in Chemical Engineering, 85% with **Distinction.**
College of Engineering, Andhra University, Visakhapatnam, India. (July, 1997)
Bachelor of Technology in Chemical Engineering, 79% with **Distinction.**
BMS College of Engineering, Bangalore, India.
Pursuing PhD.

Work Experience

**September: Department of Chemical Engg, BMS College of Engineering (BMSCE), Bengaluru, 2008-
Onwards**

Taught B.Tech level courses in the areas of Mass Transfer –II, Fluid Mechanics, Instrumentation and Process Control, Petroleum Refining, Polymer Technology , Chemical Technology & Interfacial Science and Surface Engineering.

- Conducted Lab Sessions in the area of Fluid Mechanics, Instrumentation and Process Control, Mass Transfer-II and Chemical Reaction Engineering.
- Guided student project for the extraction of Lecithin, Cholesterol and Fatty Acids from Egg yolk, Removal of Benzene from contaminated sand, Removal of Xylene from flue gas and Application of surfactants for Soil Washing.
- Did QIP Programmes in ‘Instructional Delivery Systems’ , ‘Mission 10X-Wipro’, Safety and Health Issues in Industrial Environment, MATLAB Fundamentals and Research methodologies & Latex .
- Lab-in-charge of Instrumentation and Process Control Laboratory.
- Feedback Co-ordinator for the Dept. of Chemical Engineering.

**May 1999 – Dept. of Chemical Engineering, National Institute of Technology (NIT), Trichy,
July 2001 India**

- Taught M.Tech & B.Tech level courses in the areas of Thermodynamics, Chemical Reaction Engineering , Chemical Process Industries , Biochemical Engineering and Bioprocess Engineering.
- Conducted Lab Sessions in the areas of Mass Transfer, Heat Transfer, Chemical Reaction Engineering, Fluid Mechanics and Mechanical Operations.
- Guided student projects for the development of software packages for automated design of Heat Exchangers and Rotary Driers for operation in TVA one-step granular process.
- Did QIP programmes in Novel Separation Techniques and Renewable Energy Sources.

Publications:

- Sreelakshmi, P. Sivashanmugam, S. Sundaram, Hydrodynamics of Annular Circulating Fluidized Bed Drier with Green Gram Particles. *Powder Handling & Processing: The International Journal of Storing, Handling & Processing Powder*, Vol.12, No.4, Oct 2000.
- Sreelakshmi D, H.S.Usha, Vivek M. Rao and Dr.Samita Maitra*, Removal Of Benzene From Contaminated Soil Using An Anionic Surfactant, Conference Proceedings, Chemical Engineering Congress- 2011, December 2011.

Other responsibilities:

Was in-charge of syllabus updates, class schedules and student attendance for undergraduate classes.

August 1997- Decemebr 1998 **Graduate Teaching Assistant, Dept. of Chemical Engineering, National Institute of Technology (NIT), Trichy**

- Taught courses in Chemical Engineering and Biochemical Engineering for undergraduates.
- Assisted the Chemical Engineering department faculty in conducting Fluid Mechanics and Mechanical Operations laboratories.

5/96 – 8/96

Hindustan Petroleum Corporation Ltd. (HPCL)

Visakhapatnam, India

Engineering Intern

- Designed distillation column using Design II software.
- Implemented test runs on Design II as a tool to predict process variables.

Computer

Skills

- Experienced in Windows NT/ 2000, UNIX OS environments
- Proficient in Microsoft Word, PowerPoint, Excel

Academic

Honors

- Awarded Academic Proficiency Prize for standing First in Post-Graduation.
- Awarded Certificates of Distinction at both at the Undergraduate & Graduate levels.
- Published research paper from Graduate Study in Powder Handling & Processing Journal (Volume 12, Number 4, October/December 2000)
- Awarded Merit Certificate by Central Board of Secondary Education for outstanding performance (Top 0.01%) in 10th Standard.