

Ms. SEJAL PATEL

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DOB: 21st November, 1978

<i>B.E. (Chemical) + 4 year teaching experience + M.E.-CHEMICAL (Environmental Process Design) + Since September'04 teaching experience continue</i>
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CARRIER OBJECTIVE

To utilize fruitfully my knowledge and skills in *Environmental Sciences and Chemical Engineering fields.*

EXPERIENCE WITH QUALIFICATION DETAILS

<i>Current institute</i>	<i>G.H.Patel Clooge of Engineering & Tecgnology, Vallbh Vidyanagar</i>
<i>Current Position</i>	Lecturer
<i>Nationality</i>	Indian
<i>Identification</i>	Driving Licence No: GJ01/67027/99
<i>Languages</i>	English, Hindi, Gujarati

Educational Qualifications

<i>Post Graduation</i>	October 2002 – July 2004 Master of Engineering (Chemical – Environmental Process Design) , Nirma Institute Of Technology, Gujarat University, Ahmedabad, Gujarat – INDIA With a 3 rd and 4 th Sem. aggregating to 73.00%
<i>Graduation</i>	November 1996– June 2000 Bachelor of Engineering (Chemical), Sardar Patel University, Vallabh Vidhyanagar, Gujarat – INDIA With an aggregating to 66.67%
	June 1994 – March 1996 June 1993 – March 1994 H.S.C. – GSEB S.S.C. - GSEB

Key Areas of Experience ***Teaching experience***

***G.H.Patel Clooge of Engineering & Tecgnology,
Vallbh Vidyanagar***

I am associated with various core subject of chemical engineering like Fluid flow operation, Heat transfer operation, mechanical operation, process calculation, process intrumentation

and control, process equipment design. I had taken subject like process modelling and simulation, environmental engineering and safety etc.

I am also working with member of Environment Auditor Team of BVM college.

I am also involved in college administrative activities like incharge of Girls Hostel, Member of Alumni Association.

Teaching experience

Adhoc Lecturer

Nirma University of Science & Technology, Ahmedabad

October 2001 – October 2002

I have worked as adhoc lecturer in a one of esteemed engineering college as mentioned above.

In this one year I taught Fluid flow Operation, Heat transfer, Energy conservation and safety management, Chemical Process Technology, C-programming, CAD in Chemical Engineering

I had delivered two Expert Lecturer in orientation of institute.

Apart from teaching, I was actively involved in departmental work like registration, attendance compilation, student counselling, student orientation, coordination of expert lectures, conducting industrial visits for the students etc.

Lecturer(visiting)

Institute of Diploma Studies, Nirma University of Science & Technology, Ahmedabad

October 2002 – February 2004

Worked as visiting lecturer. In this 1.5 years I taught various fundamental subjects of chemical engineering.

September 2004 continue

I am working as lecturer(visiting) in above well reputed institute.

I am teaching Safety Management, Chemical Process Technology-II, Energy conservation and safety management & Pollution Control and Waste Treatment.

General relevant skill set

- Novel Separation Techniques
- Process Safety Management (HAZOP, MCAS, FTA, ETA, RA)
- Process Optimization
- Modeling and Simulation
- Waste Minimization and Pollution Prevention
- Cleaner Production & Technologies
- Environmental Design for Air/Aqueous Emissions
- Chemical Reactions Engineering
- Unit Operations of Chemical Engineering
- Process Instrumentation & Control
- Process Equipment Design
- Fluid Mechanics

Computer Knowledge

- MS - Office
- Programming in C, C ++
- Elementary knowledge in Simulation with MATLAB 6 and in HYSYS
- Design-II
- HTRI(soft for heat exchanger design)
- CAD

PROJECT

Cleaner Production - Stainless Steel Rolling Mill

Cleaner production concept for small and medium scale industry for reduces risk to environment and human being. Intention to study of this project is to identify the cleaner production options for the stainless steel rolling mill. Case study of Cleaner Production is done at Unison Metal Ltd, Vatva G.I.D.C, Ahmedabad.

Purpose:

The Research is an attempt to study Cleaner Production options in maximum possible aspects and importance of the same on implementation in Industrial Sectors.

Applications:

Cleaner Production are an effective solution to source reduction of major atmospheric and aquatic pollutants and withstand a wide scope of application in small and large-scale industries to meet environmental costs and laws within norms set forth by the Central Pollution Control Board.

SEMINARS DELIVERED

Cleaner production - 2nd Sem, M.E. EPD (Chemical)

Clean Development Mechanism - 1st Sem., M.E. EPD (Chemical)

CO-CURRICULAR DETAILS

- I organized national level One day workshop on “**Novel Techniques for Pollution Prevention**”
- **B.E. Project**
RTD study of tubular reactor
- **Industrial Training:**
In plant training at the **Gujarat State of Fertilizer and Chemicals (GSFC)**
Baroda, Gujarat, INDIA

- **Workshops and Trainings undertaken**

Advanced Reactor Simulation, Optimization and Control

Short Term Training Program at Indian Institute of Technology, Gauwati. Organized by QIP and Indian Institute of Technology, Gauwati. Services Pvt. Ltd. Duration – 14th May - 19th May 2005.

Improving Global Competitiveness in Industries by using CP/CT tools.

Short Term Training Program at Nirma Institute of Technology, Ahmedabad Organized by ISTE and Nirma Management Services Pvt. Ltd. Duration - 20th March - 26th March, 2003.

The Training Program was on implementation of Cleaner Production and Cleaner Technology tools for pollution prevention.

Advanced Computational Techniques for Process Simulation

One-day workshop on organized by Chemical Engineering Dept., Inst. Of Diploma Studies, Nirma University on 13th December, 2003

The workshop was fast track training in the elementary simulation by several advanced computational techniques such as MATLAB, HYSYS and EXCEL

Holistic health: Concept and Practice

One day seminar at BBIT , Vallabh Vidyanagar on 4th April, 2005

Hobbies

Music, Reading

Fields of Interest

Reaction Engineering, Cleaner Production, Environmental Management, Plant / Equipment Design, Thermodynamics etc

Declaration

I hereby declare that the above-mentioned information is true to the best of my knowledge.

More for the mentioning can be overridden once we have personal interaction with each other. I shall not disappoint you is for sure.

Ms. SEJAL PATEL

Place:

Date: