

Personal details:

Name: Ashishkumar Dheerajkumar Modi
Designation: Assistant Professor, Chemical Engineering
Qualification: M.Tech [Chemical Engineering]
Experience: 08 years [Teaching – 08 years, Industrial – 04 months]
Area of Interest: Membrane Separation Processes, Nano Technology, Adsorption Process

Profile: Mr. Ashishkumar Modi, Working as Assistant Professor in Department of Chemical Engineering at Government Engineering College, Valsad, Gujarat. He has been teaching under graduate students of chemical engineering, for more than 7 years. He did Diploma in Petrochemicals Technology from The M.S. University of Baroda, graduated in Chemical Engineering from V.N.S.G.U. and M.Tech in Chemical Engineering from S.V.N.I.T. Surat. He has published 2 research papers in international journal and also presented poster in international conference. He has delivered 3 expert lectures in colleges affiliated to Gujarat Technological University and approved by AICTE.

Educational Qualification

Exam	Name of Board	Month & Year
SSC	GSEB	March 2003
Diploma	M.S.U, Baroda	April 2006
BE	V.N.S.G.U	July 2009
M.Tech	S.V.N.I.T; Surat	June, 2012
CCC +	SPIPA	October 2018
Hindi mukti	GSEB	March, 2018

Skills and Knowledge: Programming languages: ASPEN PLUS, MATLAB and CHEM-CAD

Course Taught:

Chemical engineering thermodynamics I & II, Process equipment design I & II, Novel separation Techniques, Heat transfer, Mass transfer operations I & II, Nano technology, Solid fluid operations, Process calculation, Fluid flow operations, Petroleum refining and petrochemicals.

Training and workshop:

Attended-Technical training - 8 weeks MOOC course, other - 05 weeks)

Design Engineering Training: 4 days

Sr. No	Title of Course	From	To	Duration (In Week)	Organizer	Sponsored/ Approved by
1	Induction Training Programme Phase-I	25/6/2018	06/07/2018	2	NITTTR, Bhopal	DTE
2	Induction Training Programme Phase-II	24/06/2019	05/07/2019	2	NITTTR, Bhopal	DTE
3	Thermodynamics of Fluid Phase Equilibria (MOOC Course)	25/02/2019	19/04/2019	8	IIT, Kanpur	DTE
3	e-FDP on "Redefining the role of educator in covid-19 outbreak era"	11/05/2020	16/05/2020	1	Anand Pharmacy College	GTU

Portfolio:**Institutional-**

- GTU Examination Committee member of Institute,
- Institute Coordinator for Design Engineering Subject,
- Student Section Committee member of Institute,
- Committee member of RO and Water Cooler Maintenance Committee

Departmental-

- Committee member, Student Section of Chemical Engineering Department,
- MYSY and Digital Gujarat Scholarship,
- Year wise coordination follow up for 1 to 8 semester students,
- Lab incharge of process lab,
- Preparation of academic roll call musters year division wise,
- NBA Criteria 4

Expert lectures organized/delivered: 03

- Delivered an Expert lecture on "Basic concept of Process Calculation and Process Flow Diagram" at Shroff. S.R. Rotary Institute of Chemical Technology, Ankleshwar on 21st Nov, 2016.
- Delivered an Expert lecture on "Importance of pervaporation for volatile organic compounds" at Pacific School of Engineering, Surat on 2nd March, 2019.
- Delivered an Expert lecture in GUJCOST, DST, Government of Gujarat Sponsored one day workshop on "Market and Research Trends in Membrane Separation Techniques" at S.N.P.I.T, Umrakh, Bardoli on 21st January, 2020.
- Organized webinar on "Getting ready on the way of chemical industry". Eminent speaker was Mr. Prashant Mittapelli, Production Officer at Diamines and Chemicals Ltd; Vadodara, Gujarat, on 14th April 2020 and total 64 participants have taken benefits.
- Organized webinar on "Role of chemical engineer in chemical industries". Eminent speaker was Mr. Akshay Aghera, Assistant Engineer, Gujarat Alkalies and Chemical Limited, Dahej, on 16th April 2020 and total 56 participants have taken benefits.
- Organized webinar under IChE student chapter on "Career Opportunities in Chemical Engineering". Eminent speaker was Mr. Ramesh N. Prajapati, Ex-Chairman IChE, Vapi Regional Center on 29th May 2020 and total 77 participants have taken benefits.
- Organized webinar on "Roles and Responsibilities of Chemical Engineer in Industries". Eminent speaker was Mr. Devesh Sharma, Process Engineer, Alembic Pharmaceuticals Ltd; Vadodara, on 24th May 2020 and total 83 participants have taken benefits.

Projects guided: Post graduates -0, Under graduates: 16

SSIP/Research/funded Projects: SSIP-0

Academic projects: NA

Consultancy: NA

Publications: "Peer reviewed International papers- 01, Other - 01

Paper Published in Peer reviewed International Journals

1. Z. V. P. Murthy & Ashishkumar D. Modi (2013): Effect of Ionic Liquid in Sn-ZSM-5 Zeolite Membrane in the Separation of Butyl Acetate-Water Mixtures by Pervaporation, Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, 43:6, 657-661.

Paper published in other International Journals

1. Ashish Modi, Kishan Shukla, Jaimin Pandya & Kalpesh Parmar (2012): Extraction of Silver from Photographic Waste, International Journal of Emerging Technology and Advanced Engineering, 2: 599-606.

Conference - 01

Details of Conference

1. Ashishkumar D. Modi and Z.V.P. Murthy, Application of Inorganic Membranes for the Separation of VOCs by Pervaporation, Paper Presented at the International Conference on Membrane Based Separations (MEMSEP 2015), Organized by the Indian Membrane Society, held at The Maharaja Sayajirao University of Baroda, Vadodara, India, during March 21-23, 2015. (PP4) (Page 42)

Patent Filed: Nil

Professional institution memberships: Life Member, Indian Society for a Technical Education

Awards: Nil

Other achievements:

1. Awarded for rendering services as a "Training & Placement Committee Member" in Sardar Vallabhbhai National Institute of Technology, Surat, during academic year 2011-12.
2. Secured 10 out of 10 SGPA in M.Tech Semester-III at S.V.N.I.T, Surat.
3. Secured 10 out of 10 SGPA in M.Tech Semester-IV at S.V.N.I.T, Surat.