



**SHRI SITARAMBHAI NARANJI PATEL INSTITUTE OF TECHNOLOGY
AND RESEARCH CENTRE, UMRAKH**

**ONE DAY GUJCOST SPONSORED WORKSHOP ON “Market and Research Trends in
Membrane Separation Technique”, 21st January, 2020**

OBJECTIVES OF THE PROGRAMME:

Major objectives of the organised workshop were:-

- To understand novel techniques of separation
- To gain knowledge regarding the application of membrane separation technology in the industrial sector.

The topics covered in the organised workshop were as follows:-

- Overview of membrane and its types with recent advances in separation techniques based on size, surface properties and other special characteristics of substances
- Application of different membrane modules and commercial application of UV, RO and membrane reactor
- Prominent membrane-based processes capable of removing contaminants of various sizes
- Research scenario in the area of membrane separation technology in India as compared to other countries.
- Enhancement of awareness of students toward the research in the area of membrane synthesis and utilization for solving numerous environmental issues related to water and air pollution.

- Classification of membrane separation processes
- Types of flow in membrane and membrane process characteristics
- Different types of membrane and membrane modules
- Useful concepts such as Microfiltration, Ultrafiltration, Nanofiltration, Reverse Osmosis and Pervaporation
- Factors affecting the performance of membrane separation
- Papers published in the field of membrane separation

Thus, each and every concept related to the membrane separation technology was discussed in details in the organised workshop. The workshop was beneficial for both students and faculty members.

Coordinators: Dr. Miral Thakker
Dr. Rohini Singh

EXPERT SPEAKERS:

Speaker 1:

- (i) **Name - Dr. Tejal M. Patel**
- (ii) **Designation - Associate Professor, Department of Chemical Engineering**
- (iii) **Name of institute - G.H. Patel College of Engineering & Technology, Anand**
- (iv) **Contact details- e-mail id: tejalpatel@gcet.ac.in
Mobile no.- 9824497318**
- (v) **Topic of lecture- Overview of Membrane Separation Process**

Speaker 2:

- (i) **Name - Prof. Ashishkumar Modi**
- (ii) **Designation - Assistant Professor, Department of Chemical Engineering**
- (iii) **Name of institute- Government Engineering College, Valsad**
- (iv) **Contact details- e-mail id: admgecv@gmail.com
Mobile no.- 9624789725**
- (v) **Topic of lecture- Current Market and Recent Trends in Membrane Technology**

PARTICIPANT DETAILS: ANNEXURE – I

Total 73 candidates had participated from different Institutes of South Gujarat.

OUTCOME OF AN EVENT:

Overview of membrane and classification of membrane separation processes were discussed in details. In addition, types of flow in membrane and membrane process characteristics were also explained. Different types of membrane and membrane modules were illustrated as well. Useful concepts such as Microfiltration, Ultrafiltration, Nanofiltration, Reverse Osmosis and Pervaporation were explained. Factors affecting the performance of membrane separation were also discussed by the respected speaker.

Prominent membrane-based processes capable of removing contaminants of various sizes were discussed. In addition, papers published in the field of membrane separation were highlighted to motivate the students towards the research in the area of membrane synthesis and utilization for solving numerous environmental issues related to water and air pollution.

WORKSHOP INVITATION: ANNEXURE – II

WORKSHOP TRIFOLD: ANNEXURE III

WORKSHOP SCHEDULE: ANNEXURE IV

WORKSHOP PHOTOGRAPHS: ANNEXURE V

WORKSHOP PARTICIPANT FEEDBACKS: ANNEXURE VI

ANNEXURE – I

S. N. PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE, UMRRAKH-BARDOLI

CHEMICAL ENGINEERING DEPARTMENT
GUJCOST SPONSORED ONE DAY WORKSHOP ON

"Market and Research Trends in Membrane Separation Technique"

21 ST JANUARY , 2020

ATTENDANCE SHEET

ANNEXURE I

Sr no	NAME	College Name	Contact No.	Fees (Rs.)	REMARKS
1	Bhingradiya Vistrut K.	SNPIT & RC	7383361493	150	Student
2	Desai Hardeep B.	SNPIT & RC	9537469540	100	Student
3	Desai Harshit M.	SNPIT & RC	9998039395	100	Student
4	Devani Darshankumar D.	SNPIT & RC	7069787414	100	Student
5	Dhimmar Jayvantiben R.	SNPIT & RC	8469747775	100	Student
6	Ginoya Divyeshkumar H.	SNPIT & RC	8153903838	100	Student
7	Gauda Shaileshkumar S.	SNPIT & RC	7048737961	100	Student
8	Kacchadiya Gaurang R.	SNPIT & RC	9081790224	100	Student
9	Kapadia Bhavin Y.	SNPIT & RC	9574266992	100	Student
10	Khachariya Karan S.	SNPIT & RC	7984402258	100	Student
11	Khunt Mehal D.	SNPIT & RC	8866425966	100	Student
12	Lad Viralkumar K.	SNPIT & RC	7622016707	100	Student
13	Makadiya Utsav M.	SNPIT & RC	9429265162	150	Student
14	Mali Smit M.	SNPIT & RC	9537780005	100	Student
15	Mehta Karan C.	SNPIT & RC	9624367946	100	Student
16	Mistry Neelkumar J.	SNPIT & RC	8140256447	100	Student
17	Modi Bhoomilkumar A.	SNPIT & RC	7096766709	100	Student
18	Modi Juhiben S.	SNPIT & RC	9099596452	100	Student
19	Mulani Krunal M.	SNPIT & RC	7874726769	100	Student
20	Pachani Jenish L.	SNPIT & RC	7435921321	150	Student
21	Patel Bhomik D.	SNPIT & RC	8485972832	100	Student
22	Patel Gaurav S.	SNPIT & RC	8758459560	100	Student
23	Patel Henil M.	SNPIT & RC	85110778851	100	Student
24	patel Herry J.	SNPIT & RC	8469605626	100	Student
25	Patel Jeelkumar D.	SNPIT & RC	96241191520	100	Student
26	Patel Kenil H.	SNPIT & RC	9428003052	100	Student
27	Patel Meetbhai N.	SNPIT & RC	9898643290	100	Student
28	Patel Nirajkumar R.	SNPIT & RC	81412181820	100	Student
29	Patel Primiyan A.	SNPIT & RC	9574792607	100	Student
30	Patel Rutvikumar N.	SNPIT & RC	8758335659	100	Student
31	Patel Swapnil J.	SNPIT & RC	9727626701	100	Student
32	Patel Unnatikumari D.	SNPIT & RC	9687671393	100	Student
33	Patel Yash A.	SNPIT & RC	8128880803	100	Student
34	Rathod Yuvraj M.	SNPIT & RC	7575047021	150	Student
35	Ruwala Henish R.	SNPIT & RC	9033399325	100	Student
36	Savani Part L.	SNPIT & RC	8758824722	100	Student
37	Sharma Tejash H.	SNPIT & RC	8238207082	100	Student
38	Sodvadiya Harsh R.	SNPIT & RC	8154888036	100	Student
39	Tailor Forum M.	SNPIT & RC	7405836642	100	Student
40	Tank Bhavin H.	SNPIT & RC	7622876873	100	Student
41	Tumner Priyank D.	SNPIT & RC	7069550115	100	Student
42	Chaudhri Tejash M.	SNPIT & RC	8141087948	150	Student
43	Prof. Rinal Patel	N. G. Patel Polytechnic college	8294787824	250	Faculty
44	Prof. Parul Patel	N. G. Patel Polytechnic college	8905424105	250	Faculty
45	Paranjay Kartik Desai	N. G. Patel Polytechnic college	9512477011	150	Student
46	Ujival Tiwari	N. G. Patel Polytechnic college	9898070821	150	Student
47	Yash Tiwari	N. G. Patel Polytechnic college	6353143587	150	Student
48	Ronak Tailor	N. G. Patel Polytechnic college	9558654227	150	Student
49	Maaz Qureshi	N. G. Patel Polytechnic college	9825037466	150	Student
50	Akib Makwana	N. G. Patel Polytechnic college	7874066209	150	Student
51	Agam Panwar	N. G. Patel Polytechnic college	7567253303	150	Student
52	Prof. Irshita Patel	Bhagwan Mahavir College o of Engineering	7874456156	250	Faculty
53	Maitri Jarwala	Bhagwan Mahavir College o of Engineering	9998399774	150	Student
54	Kelvina Butani	Bhagwan Mahavir College o of Engineering	92651931711	150	Student

55	Uvesh Bhatti	Bhagwan Mahavir College o of Engineering	70465841910	150	Student
56	Jemin Hirapara	Bhagwan Mahavir College o of Engineering	8238253836	150	Student
57	Afzal Girach	Bhagwan Mahavir College o of Engineering	9898402834	150	Student
58	Nitesh Mourya	Bhagwan Mahavir College o of Engineering	8000806020	150	Student
59	Sanjay Patel	Bhagwan Mahavir College o of Engineering	7043079146	150	Student
60	Avishkar Sharma	Bhagwan Mahavir College o of Engineering	7600307041	150	Student
61	Vikas Saroj	Bhagwan Mahavir College o of Engineering	8758205828	150	Student
62	Vaibhav Mehta	Bhagwan Mahavir College o of Engineering	8141438491	150	Student
63	Hariom Sahni	Bhagwan Mahavir College o of Engineering	7043711227	150	Student
64	Nilesh Chawda	Bhagwan Mahavir College o of Engineering	8140440015	150	Student
65	Abhishek Kinkhabwala	Bhagwan Mahavir College o of Engineering	6355055488	150	Student
66	Gamit Divya R.	FETR	9913336435	150	Student
67	Hetvi S. Pathak	FETR	9426391355	150	Student
68	Makwana V. Ujjval	FETR	8200918449	150	Student
69	Yadav Sunil P.	N. G. Patel Polytechnic college	9586822283	150	Student
70	Saiyad Azaz	Bhagwan Mahavir College o of Engineering	8128740605	150	Student
71	Hirpara Hiren	Bhagwan Mahavir College o of Engineering	9099678144	150	Student
72	Nikunj Chovatiya	Bhagwan Mahavir College o of Engineering	9427743769	150	Student
73	Mohit Khunt	Bhagwan Mahavir College o of Engineering	9664930582	150	Student
74	Dr. Miral Thakker	SNPIT & RC	8141361235	Nil	Faculty
75	Dr. Rohini Singh	SNPIT & RC	8294787824	Nil	Faculty
76	Prof. Darshan Sarang	SNPIT & RC	8905424105	Nil	Faculty
77	Prof Vishal Shah	SNPIT & RC	8866941993	Nil	Faculty
78	Prof. Khusboo Mehta	SNPIT & RC	6351597056	Nil	Faculty
79	Prof. Praneta Patel	SNPIT & RC	9870095911	Nil	Faculty
80	Prof. Koshal Kishor	SNPIT & RC	9910856304	Nil	Faculty

ANNEXURE – II

Invitation

Respected Sir/Madam,

It feels highly obliged to invite you for adding glory to a Workshop on "Market and Research Trends in Membrane Separation Technique" Sponsored by GUJCOST, D.S.T, Government of Gujarat.

Market and Research Trends in Membrane Separation Technique

(21st January 2020, Time: 10:00 am)

Organized by



Chemical Engineering Department
S. N. Patel Institute of Technology &
Research Centre, Umrakh
(A Vidyabharti Trust Institution)

At & Po Baben, Ta.: Bardoli, Dist.: Surat,
Pin: 394601

Sponsored By



Department of Science & Technology
Government of Gujarat



Gujarat Council on Science &
Technology (GUJCOST)

Invitees

Dr. Piyush S. Jain Principal SNPIT&RC, Umrakh	Dr. Miral R. Thakker Coordinator SNPIT&RC, Umrakh	Dr. Rohini Singh Coordinator SNPIT&RC, Umrakh
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ANNEXURE III

REGISTRATION FORM

S. N. Patel Institute of Technology & Research
Centre, Umrakh-Bardoli, Surat
One Day Workshop

on
“Market and Research Trends in Membrane
Separation Technique”

(21st January 2020)

Name: _____

Designation: _____

Educational qualification: _____

Organization: _____

Tel./Mobile No.: _____

Email: _____

Registration Fee: Paid herewith in the form of

Cash/Cheque/DD Amount: _____

Cheque/ DD No. : _____

Date: _____

Name of the Bank: _____

Date: _____

Place: _____

IICHE membership no.: _____

Signature of
Applicant

Signature of
HOD

Note:

- Cheque/DD should be in favor of “S. N. Patel Institute of Technology & Research Centre”
- Photocopies of registration form may be used. The Registration Form should be sent to the coordinators.

S. N. Patel Institute of Technology & Research
Centre, Umrakh-Bardoli, Surat

EXPERT SPEAKERS

- Dr. Tejal M. Patel, Associate Professor, Department of Chemical Engineering, G.H. Patel College of Engineering & Technology
- Prof. Aashishkumar Modi, Assistant Professor, Department of Chemical Engineering, Government Engineering College, Valsad

ORGANIZING COMMITTEE

Patrons

Shri. Manharbhai L. Patel
(Managing Trustee)

Shri. Kiritbhai N. Patel
(Secretary)

Shri. Ashvinbhai H. Patel
(Joint secretary)

Convener

Dr. Piyush S. Jain
(Principal)

SNPIT & RC, Umrakh

Coordinators

Dr. Miral R. Thakker

Dr. Rohini Singh

Committee Members

Prof. Darshan R. Sarang

Prof. Vishal U. Shah

Prof. Khushbu K. Mehta

Prof. Praneta J. Patel

ADDRESS FOR CORRESPONDENCE

Dr. Rohini Singh, Asst. Prof., ChED
S. N. Patel Institute of Technology &
Research Centre, Umrakh-Bardoli, Surat

Phone: 8294787824

Email: rohini.singh@snpitrc.ac.in

One Day Workshop
on

Market and Research Trends in
Membrane Separation Technique

(21st January 2020)

Sponsored By



Coordinators

Dr. Miral R. Thakker

Dr. Rohini Singh



Organized by

Chemical Engineering

S. N. Patel Institute of Technology
& Research Centre,
Umrakh-Bardoli, Surat

website : www.snpitrc.ac.in

PROGRAM SCHEDULE-IV

WORKSHOP SCHEDULE

TIME	21st January 2020 (Tuesday)	
10:00 AM- 10:30 AM	REGISTRATION & HIGH TEA	
10:30 AM-11:00 AM	Inauguration	
11:00 AM-1:00 AM	Overview of Membrane Separation Process	Dr. Tejal M. Patel Associate Professor, ChED, G.H.Patel College of Engineering & Technology
1:00 PM-2:00 PM	Lunch	
2:00 PM-3:30 PM	Current Market And Recent Trends In Membrane Technology	Prof. Aashishkumar Modi Assistant Professor Department of Chemical Engineering, Government Engineering College, Valsad
3:30 PM-4:00 PM	Tea	
4:00 PM-5:00 PM	Valedictory & Certificate Distribution	

ANNEXURE V



Photograph with banner



Inaugural function



Expert delivery lecture



Audience

ANNEXURE VI

S. N. PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE, UMRAKH-BARDOLI

CHEMICAL ENGINEERING DEPARTMENT

GUJCOST SPONSORED ONE DAY WORKSHOP

“MARKET AND RESEARCH TRENDS IN MEMBRENE SEPERATION TECHNIQUES”

STUDENT FEEDBACK FORM

Student's/ Faculty Name: Paranjay K. Desai

Enrollment Number: 176370305018

Name of the College: N.G. Patel Polytechnic, Jetoli-Ajwa, Bardoli

Semester: 6th

Date: 21st January 2020

Please respond to the following items by using the scale below:

5=Excellent 4=Very Good 3=Good 2=Fair 1=Poor

- The speakers presented materials clearly and concisely.
(5) 4 3 2 1
- The information presented was relevant to your needs and expectations.
(5) 4 3 2 1
- Sufficient opportunity was provided for questions
(5) 4 3 2 1
- Knowledge and information gained from participation at this event?
(5) 4 3 2 1
- Which topics or aspects of the workshop did you find most interesting or useful?
Reverse Osmosis: about the current market & technologies for use of membrane.
The innovative technique of membrane condenser
- Comments and suggestions (including activities or initiatives you think would be useful, for the future)

Student Sign: PK Desai