DST GUJCOST SPONSORED

Online Two Days National Workshop on "Upcoming Research and development Challenges for Chemical Engineers" (26-27 August, 2021)



Organized by Chemical Engineering Department S N Patel Institute of Technology & Research Centre, Umrakh



Sponsored by DST GUJCOST

Report Prepared by:

Dr. Koshal K. Singh
Event Co-Ordinator
Associate Professor,
Chemical Engineering Department
S N Patel Institute of Technology & Research Centre,
Umrakh

TITLE OF THE EVENT

Upcoming Research and development Challenges for Chemical Engineers

CATEGORY

Academic Activity-FDP

DATE AND DURATION

26th-27th August 2021

VENUE

(Online Mode) S N Patel Institute of Technology & Research Centre, Umrakh (049)

Banner for the Event:



Chemical Engineering Department

For Details Visit www.snpitrc.ac.in

Organizes Two Days Online National Workshop Last Date for Application 20th Aug, 2021

Upcoming Research & Development Challenges for Chemical Engineers

(26th & 27st August, 2021)

Principal Dr. Piyush S. Jain

Coordinator Dr. Koshal K. Singh

Co-coordinators Dr. Chandra Bhushan Pal Dr. Miral R. Thakkar Prof. Vishal Shah SPONSORED BY



To Register click on https://forms.gle/atGmTxqVFKxQgK4f7 OR Scan



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

Event Details:

Event Name	Upcoming Research and development Challenges for Chemical Engineers	
Date	26-27 August, 2021	
Participants	UG-PG Students, Faculty Members, Researchers and	
	Industry Persons	
Venue	Online Platform	
Funding Support	GUJCOST, Department of Science & Technology, Government of Gujarat	
Principal	Dr. Piyush S Jain	
Event Coordinator	Dr. Koshal K. Singh, Associate Professor & I/C Head, CHED	
Event Co-Coordinators	Dr, Chandra Bhushan T. Pal, Assistant Professor, CHED	
	Dr, Miral R. Thakker, Associate Professor, CHED	
	Prof. Vishal Shah, Assistant Professor, CHED	

PROGRAM SCHEDULE

Time	Theme		
	26 th August 2021		
9.00 am-10.00 am	REGISTRATION		
10.00 am- 10.30 am	Inauguration		
10.30 am -12.00 pm	Thermodynamics of phase change phenomena in super cooled regions	Dr. A. K. Gautam, Assistant Professor, Chemical Engg Dept, National Institute of Technology, Hamirpur, (H.P.)-177005, India	
12:00 pm-1.30 pm	Lunch Break		
1:30 pm-3:00 pm	Gas sweetening process, troubleshooting and optimization	Mr. Nutan R. Paliwal Executive Engineer Oil and Natural Gas Corporation Ltd. Hazira. Surat	
3:00 pm-4:30 pm	Catalytic Transformation of bio-derived furans to fuel additives and value added chemicals	Dr. Sanjay K. Shrivastava, Assistant Professor, Chemical Engineering Dept, Government Engineering College, Valsad	
	27st August 2021		
10.30 am -12.00 pm	Digestive Ripening: A Fine Machinery Process at Nanoscale	Dr. Puspanjali Sahu Senior Project Associate CSIR-Institute of Minerals and Materials Technology Bhubaneswa r Odisha	
12:00 pm-1.30 pm	Lunch		
1.30 pm -3.00 pm	Process intensification: An indispensable tool for the future chemical and allied industries	Dr. G. C. Jadeja, Assistant Professor, Chemical Engg Dept S V National Institute of Technology, Surat	
3:00 pm-4:30 pm	Research by Sustainable Routes, Greener routes for Sustainable development	Dr. Meghal A. Desai., Associate Professor, Chemical Engg Dept S V National Institute of Technology, Surat	
4:30 pm	Valedictory		

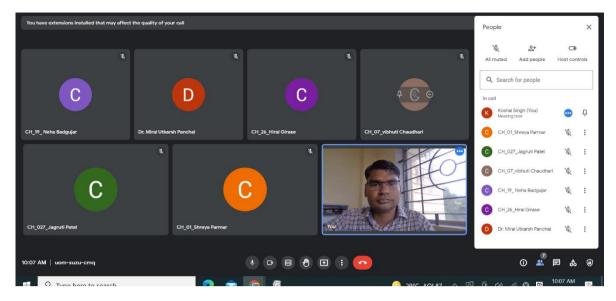
Vidyabharti Trust is the name associated with the education for more than three decades near Bardoli of Surat district and has now evolved as a symbol of quality education dedicated to nurture the talent and aspirations of the bright youth of our nation. S N Patel Institute of Technology & Research Centre (Degree College) is a premier institution approved by the All-India Council of Technical Education (AICTE), New Delhi & affiliated with Gujarat Technological University (GTU), Ahmedabad.

Institute is running Bachelor of Chemical Engineering course since 2014 having the current intake of 60 seats. Department consists of highly qualified young and dynamic faculty members. The prime goal of the department is to bridge the gap between Rapidly expanding technology demands with innovation research-based by using skilled / quality conscious approach to achieve an admirable grip in the academic field of chemical engineering. The Department is having state of art laboratory facilities (NABL accredited)

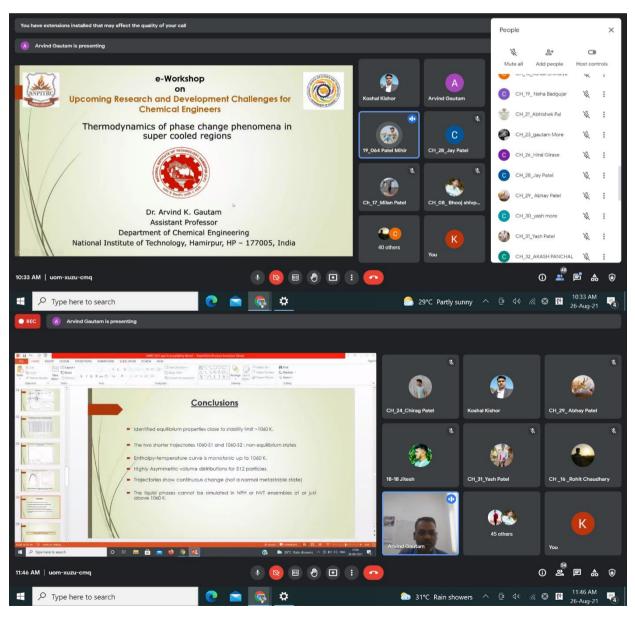
Department of Science & Technology (DST) has been constituted vide General AdministrationDepartment G.R. No. DST/2002/398/ITD dated 21st June, 2002 and it has been operational since 01.04.2003. This department mainly looks after the growth and development of new & emerging technology areas and is responsible for formulation and implementation of key policies in this sector in the State of Gujarat. As of now DST has been looking after the variousareas of technology in the State.

One of the primary reasons to discuss about Challenges & Opportunities in the Research field of Chemical Engineering is the rapid development & growth of entire world. Due to fast development many lots of energy is required and due to this environment issues are raised. So, by discussing the challenges in the research field of Chemical engineering focusing on Energy, Environment and Water treatment area need to be more advance to overcome various issues for positive growth of nation rapidly. Research in the chemical engineering field seeks to clarify (analyze) and control (manufacture) one or more of the following five basic elements of a system of interest (product, process, or application): the physical, chemical, and/or biological phenomena occurring in the system of interest. The purpose of this workshop to spread awareness and give proper guidance to researchers, academicians, industry persons and various stake holders to work in this area effectively. In this pandemic, this workshop has been organized to open door for researchers to work in various sectors of Chemical engineering field effectively by taking knowledge from experts of the field. For this, two days online national workshop, DST GUJCOST has given sponsorship for successful execution of this event.

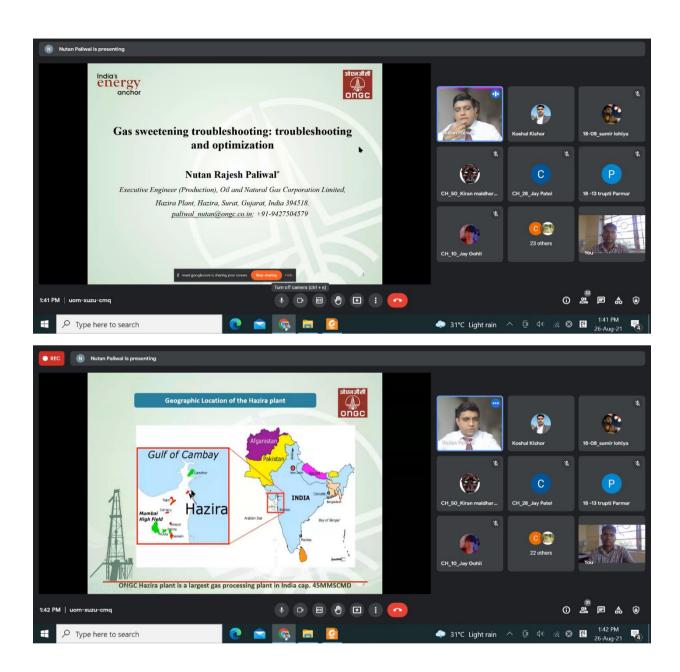
In inaugural session, Dr Miral has addressed all audience by giving departmental introduction. Event Coordinator Dr. Koshal K. Singh has given event introduction and main aim & objectives of workshop. Event co-coordinator Dr. Chandra Bhushan T. Pal and Prof. Vishal Shah handled all sessions both days by giving speaker introduction and handling question-answer sessions throughout workshop. More than 50 participants have joinedsession from students, staff and industry person with active involvement. All sessions were ondifferent field of Chemical Engineering and ended with good question-answer session.



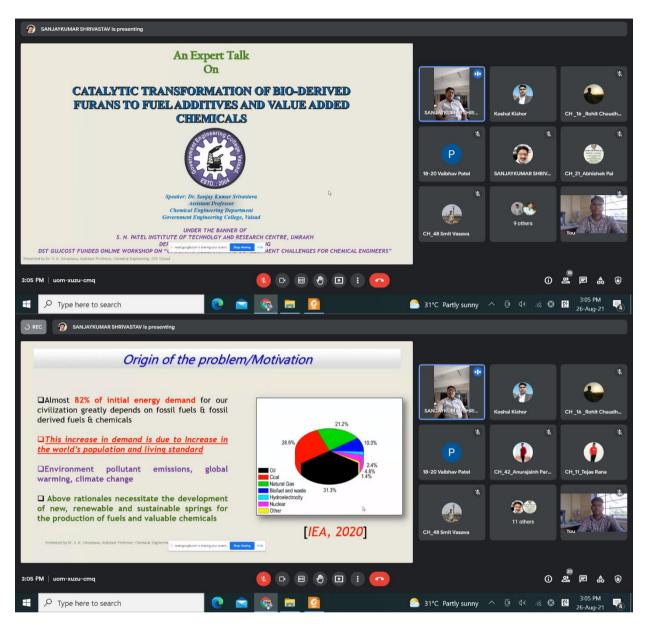
Photographs Taken during Inaugural Session in presence of several participants, and all Event Coordinators



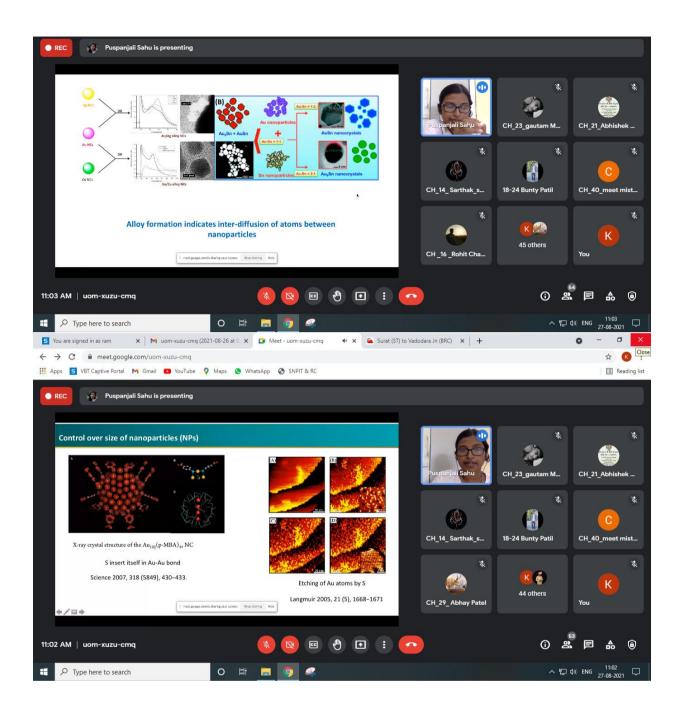
Photographs Taken during First Session of Dr. Arvind Gautam, Assistant Professor NIT Hamirpur, 26/08/2021



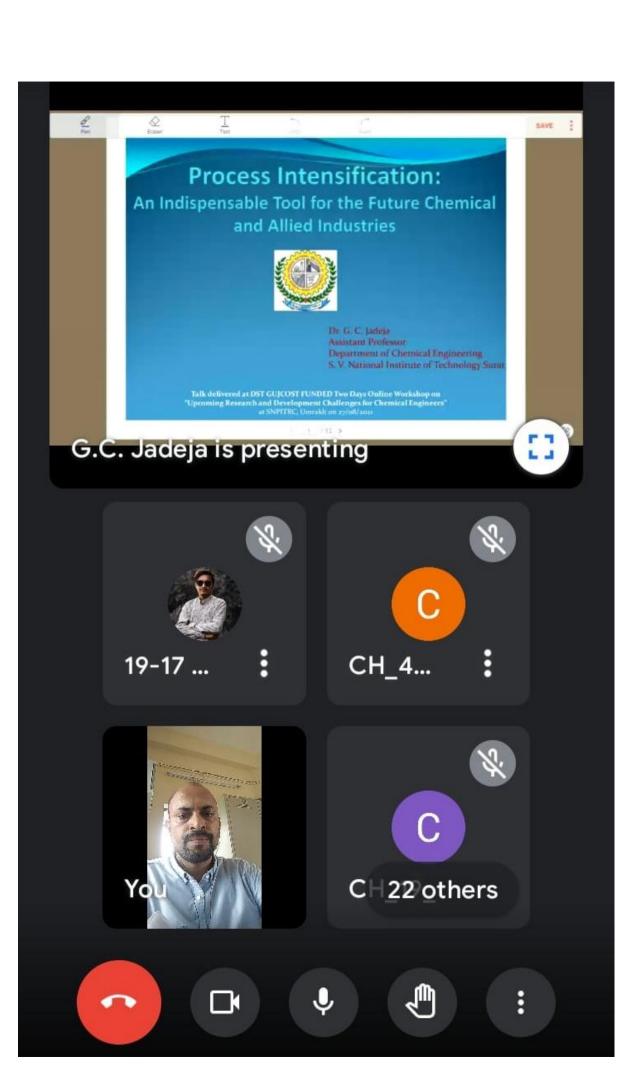
Photographs Taken during Second Session of Mr. Nutan Rajesh Paliwal, Executive Engineer, ONGC, Hazira, Surat, 26/08/2021



Photographs Taken during Third Session of Dr. Sanjay K. Shrivastava, Asst. Prof, GEC, Valsad 26/08/2021

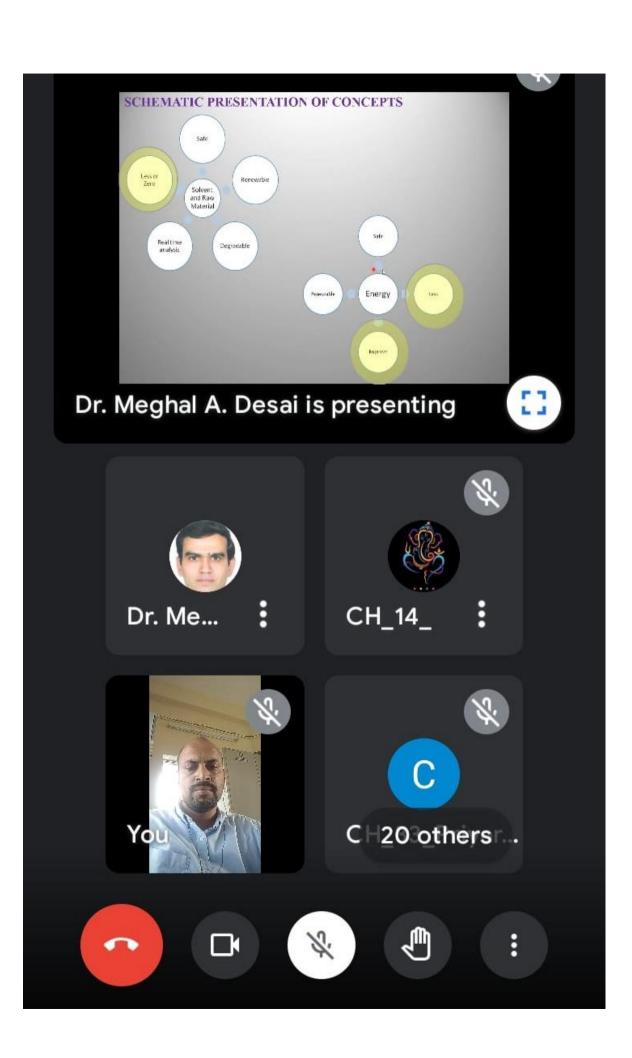


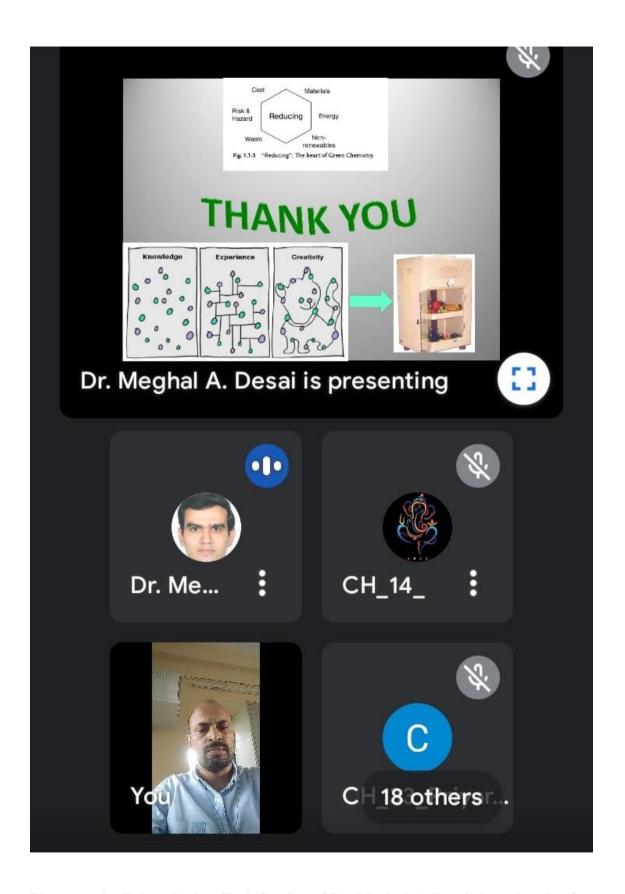
Photographs Taken during Fourth Session of Dr. Puspanjali Sahu, Senior Project Associate, IMMT-CSIR Bhuvneshwar, 27/8/2021





Photographs Taken during Fifth Session of Dr. GC Jadeja, Asst. Prof, SVNIT Surat, 27/8/2021





Photographs Taken during Sixth Session of Dr. Meghal A. Desai, Associate Prof., SVNIT, Surat, Umrakh, 27/8/2021

On the second day, during valedictory session Dr. Ram Chandra Chaurasia addressed all participants. Event coordinator **Dr. Koshal K. Singh** conveyed vote of thanks to DST GUJCOST, SNPIT &RC & Vidyabharti Trust Institution. Dr. Chandra Bhusan T. Pal and Prof. Vishal Shah conveyed vote of thanks and workshop announced closed.

For the grand success of event Vidyabharti Trust Members, Principal Dr. Piyush Jain, Administrative Dr. Akshay Gupta, all department heads and DST Gujcost officials congratulated Institute.

ANNEXURE

SAMPLE CERTIFICATE OF PARTICIPANTS

S. N. Patel Institute of Technology & Research Centre (A Vidyabharti Trust Institution)

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Certificate of Participation

This is to certify that

has participated in

GUJCOST, DST, Government of Gujarat Sponsored Two Days Online National Workshop on

Upcoming Research and Development Challenges for Chemical Engineers

(26th & 27th August, 2021)

Organised by Chemical Engineering Department, S. N. Patel Institute of Technology & Research Centre, Umrakh.

Dr. Koshal K. SinghCoordinator
SNPIT&RC, UMRAKH

Principal SNPIT&RC, UMRAKH