

# S N Patel Institute of Technology & Research Centre, Umrakh

Report on Environmental Auditing and Sample Analysis 31/5/21 to 12/06/2021 (10:00am to 12:00pm) (2 week)

#### Organized by:

Chemical Engineering Department with Training & Placement Cell & Environment Audit cell of SNPIT & RC,

Umrakh

Jointly Organized with

Indian Institute of chemical engineers-Ankleshwar Reginol centre (IIChE-ARC)







## **Report Prepared by:**

Prof. Vishal Shah
Training & Placement Member,
Assistant Professor,
Chemical Engineering Department
SNPIT & RC, Umrakh

Dr. Damyanti G Badagha Training & Placement Officer, Assistant Professor, Civil Engineering Department SNPIT & RC, Umrakh



# S N Patel Institute of Technology & Research Centre, Umrakh

# **TITLE OF EVENT**

# **Environmental Auditing & Sample Analysis**

## **CATEGORY**

# Chemical Engineering Department & Training & Placement Activity

# **DATE AND DURATION**

31/5/21 to 12/6/2021 (10:00am to 12:00pm)

## **VENUE**

(Online Mode, Google meet Platform)
S N Patel Institute of Technology & Research Centre,
Umrakh

# SITARAMBHAI NARANJI PATEL

INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, UMRAKH (Managed by Vidyabharti Trust Institution)

A Vidyabharti Trust Institution Vidya bharti Campus, At. Ta. Bardoli, Dist. Surat-394345 Ph.02622-224581, 220581 Fax: 02622-227481,225458 Email: admin@snpitrc.ac.in, vbtdegree\_umrakh@yahoo.co.in

# S N Patel Institute of Technology & Research Centre, Umrakh

#### **Banner for the Event:**



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

VENUE ONLINE PLATFORM

ON

**GOOGLE MEET** 

#### CHEMICAL ENGINEERING DEPARTMENT

TRAINING & PLACEMENT CELL AND ENVIRONMENT AUDIT CELL

DATE & TIME

**31TH MAY TO 12TH** JUNE. 2021



JOINTLY ORGANISED TWO WEEK ONLINE INTERNSHIP TRAINING PROGRAM

ON

"ENVIRONMENTAL AUDITING AND SAMPLE ANALYSIS"

INDIAN INSTITUTE OF CHEMICAL ENGINEERS, STUDENT CHAPTER

Coordinators Prof. Vishal Shah

Dr. Miral Thakkar Dr. Damyanti G Badagha **Prof. Krunal Shah** 

Registration Link https://docs.google.com/forms/d/e/1FAIpQLSfY 2AJ7UacbYcl WvdSZMh0IJk7WTTgEEcjx-U7X4z3HSvVyQ/viewform?usp=sf link

Dr. Piyush S Jain, Principal

Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Dist: Surat, Pin: 394601, For Admission:09925777117

#### **Trifold of Webinar:-**

#### REGISTRATION FORM

S. N. Pate IInstitute of Technology & Research Centre, Umrakh-394345,Bardoli,Surat,

Two Week online internship training program

"Environmental Auditing and Sample Analysis"

(31th May to 12th June, 2021)

Under Graduate Course: B.E Department: Chemical Engineering College/Institute:\_ Affiliated University: Mailing Address: Tel./Mobile No: E-mail:

> Signature of Applicant

Date:-\_/\_/ Place:

Signature of HOD

Link For Online Application

It is Preferred to fill the online google form for the registration of this program through following link.

https://docs.google.com/forms/d/e/1FAIpQLSfY 2AJ7UacbYclWvdSZMh0IJk7WTTgEEcjx-U7X4z3HSvVyQ/viewform?usp=sf\_link

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

#### TECHNICAL ADVISORY COMMITTEE

- Mr. Pinesh Bhaysar (Microbiologist. Environment Audit cell, Vidyabharti trust, Umrakh).
- · Mr. Pranav Joshi (Engineer, Environment Audit cell, Vidyabharti trust, Umrakh).

#### ORGANIZING COMMITTEE

Chief Patrons

Shri. Manharbhai L. Patel (Managing Trustee)

Shri. Kiritbhai N. Patel (Secretary)

> Shri.As hvinbhai (Co-Secretary)

Patrons

Dr. Pivush S. Jain (Principal, SNPIT & RC, Umrakh

Coordinators: Prof. Vishal U. Shah

(Assistant Professor, Chem. Department)

Dr. Miral Thakker (Associate Professor, Chem. Department)

Dr. Damyanti G Badagha (Assistant Professor, Civil Department)

Committee Members

Dr. Koshal Kishor Singh Dr. Chandrabhusan Pal Prof. Darshan Sarang Prof. Kinal Vekariya

#### ADDRESS FOR CORRESPONDENCE

Prof. Vishal U.Shah

Asst. Prof. Chemical Department Phone:8866941993 9033537531 Email: vishal.shah@snpitrc.ac.in S. N. Patel Institute of Technology & Research Centre, Umrakh-Bardoli, Surat

Two Week online Internship Training Program

on

"Environmental Auditing and Sample Analysis"

(31th May to 12th June, 2021)





Chemical Engineering Department with

Training & Placement Cell of

Environment Audit Cell

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

Jointly Organized by



Indian institute of Chemical Engineers, Ankleshwar regional Centre, Student Chapter

#### Coordinators

Dr. Miral Thakker Prof. Vishal U Shah Dr. Damyanti G B adagha Mr.Krunal A.Shah

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



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Email: admin@snpitrc.ac.in, vbtdegree\_umrakh@yahoo.co.in

# S N Patel Institute of Technology & Research Centre, Umrakh

#### ABOUT THE INSTITUTE

Vidyabharti Trust is the name associated with 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 is a premier institution approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated with Gujarat Technological University (GTU), Ahmedabad, Gujarat. It was foresight to get talented Engineers in the field of Mechanical, Civil, Electrical, Chemical, and Electronics & Communication & Computer Science Engineering. Institute also offer post-graduation courses in the area of construction management (Civil), signal processing & communication (E&C) and production engineering (Mechanical).

As per GTU guideline to introduce internship subject to students, Training & Placement Cell of SNPIT & RC jointly organized this event with Chemical Engineering Department & Environment Audit Cell of Institute.

#### OBJECTIVES OF THE PROGRAMME

- The purpose of this online internship programmed to aware about environment audit cell and their equipment's. Also aware about how environment audit is performed and how sample was tested.
- To know about Auditing and sampling criteria of different companies, and demonstration of all equipment which are used in environment auditing and sampling.

#### FOCUS AREAS

- Introduction of environment Audit, Criteria, Methodology
- Demonstration of all equipment like AAS (Atomic Absorption Spectrophotometer), GC (Gas Chromatography), UV Spectrophotometer and many more.
- Knowledge of Testing methodology, sampling criteria, method for sampling, various kinds of Audit equipment and Audit Strategy.
- Working methodology & Demonstration
- Assignment work related programmed.

#### WHO CAN APPLY

The Program will provide excellent opportunities for

 Chemical Engineering students who are appeared for 6th sem exam either completion of their 3th year from any university.

#### REGISTRATION FEE DETAILS

There is no registration fee for student's participants.

#### IMPORTANT DATES

Last date for Application 30/5/2021

#### Webinar Schedule Details:

# S N Patel Institute of Technology & Research Centre, Umrakh

# S. N. Patel Institute of Technology & research Centre, Umrakh, Bardoli Schedule of Training Program (31-05-2021 to 12/06/2021)

SR.NO	DATE	TIME DURATION	TITLE OF DISCUSSION	
1	31/5/2021	10:00am to 12:00pm (2Hours)	Introduction about Environment Audit cell	
2	01/06/2021	10:00am to 12:00pm (2Hours)	Introduction about Environment Audit	
3	02/06/2021	10:00am to 12:00pm (2Hours)	Introduction of Spectrophotometer and Working criteria and Demonstration	
4	03/06/2021	10:00am to 12:00pm (2Hours)	Introduction of BOD incubator and Working criteria and Demonstration	
5	04/06/2021	10:00am to 12:00pm (2Hours)	Assignment Work	
6	05/06/2021	10:00am to 12:00pm (2Hours)	Introduction of AAS (Atomic Absorption spectrophotometer)	
7	07/06/2021	10:00am to 12:00pm (2Hours)	Working Criteria of AAS (Atomic Absorption spectrophotometer) and Demonstration	
8	08/06/2021	10:00am to 12:00pm (2Hours)	Introduction of Muffle Furnace	
9	09/06/2021	10:00am to 12:00pm (2Hours)	Working Criteria of Muffle furnace and Demonstration	
10	10/06/2021	10:00am to 12:00pm (2Hours)	Assignment Work	
11	11/06/2021	10:00am to 12:00pm (2Hours)	Introduction of Gas Chromatography and Working criteria	
12	12/06/2021	10:00am to 12:00pm (2Hours)	How and where these all equipment are used for environment audit.	

### Webinar Detail:-

Event Name	Environmental Auditing and Sample Analysis			
Date	31/5/21 to 12/06/2021 @ 10:00am to 12:00pm			
Department & Year	All Pre final Year UG Students of Chemical Engineering Department and			
	Environmental engineering Department of Different Collage.			
Venue	Online Google Meet Platform			
	Mr. Hashmukh P. Valand (Sr. Manager, GNFC), Mr. Pinal V. Trivedi (Sr. Manager			
Experts	,GNFC), Dr. Koshal Kishor Sing (SNPIT& RC, Umrakh), Dr. Chandrabhushan Pal			
	(SNPIT & RC, Umrakh), Prof. Vishal U Shah (SNPIT & RC, Umrakh)			
Principal	Dr. Piyush S Jain			
Training & Placement	Dr. Damyanti G Badagha, Assistant Professor, CED			
Officer and Coordinator				
	Prof. Vishal Shah (Assistant Professor Chemical Engineering Department), Dr.			
Event Co-Cordinator	Miral R. Thakker (HOD of Chemical Engineering Department), SNPIT & RC,			
	Umarakh			

Vidyabharti Trust is the name associated with the education for more than three decades near

# S N Patel Institute of Technology & Research Centre, Umrakh

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).

To make aware students about Environment Auditing and sampling of different industrial sample, Chemical Engineerig Department with Training & placement cell & Environment Audit cell of SNPIT & RC has organized webinar jointly with Indian Institute of Chemical Engineering – Ankleshwar Regional Centre (IIChE-ARC) for 3<sup>rd</sup> year Students of Different Collages On 31<sup>st</sup> May 2021 to 12<sup>th</sup> June 2021, From Different Collages 74 students (RNGPIT, L.D Engineering , M.S Collage, Laxmi institute, V.G.E.C, Chandkheda, Sarvajanik Collage).

On the Beginning of webinar **Principal Dr. Piyush Jain** has conveyed best wishes for the success of event and **T & P officer Dr. Damyanti Badagha** has given event introduction. Department introduction given by **Head of Chemical Engineering Department** Dr. Miral Thakker. Speaker introduction and first day session was successfully conducted by Prof. Vishal shah, Faculty member and T & P coordinator of Chemical Engineering department.

For the successful execution of summer internship program, Vidyabharti Trust members, Principal Dr. Piyush Jain and administrative Prof. Akshay Gupta has congratulated entire team of T&P and Chemical engineering department.

# S N Patel Institute of Technology & Research Centre, Umrakh

## **DAY-1**

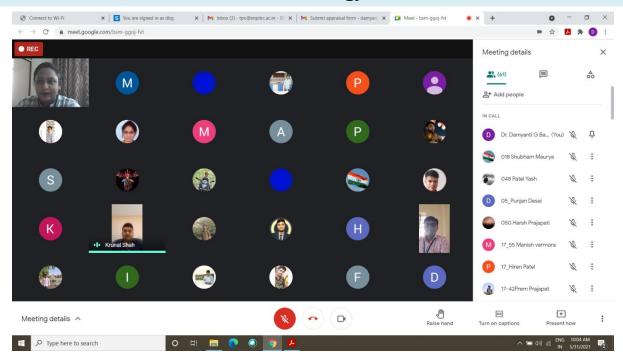


Photograph of Day-1 Session In presence of Principal sir, Event Coordinator and Students



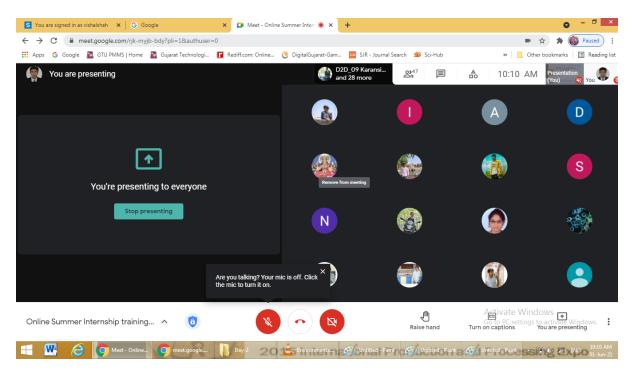
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Photograph of Day-1 Session In presence of T & P officer, Environment Cell Head, Event Coordinator and Students

#### DAY-2

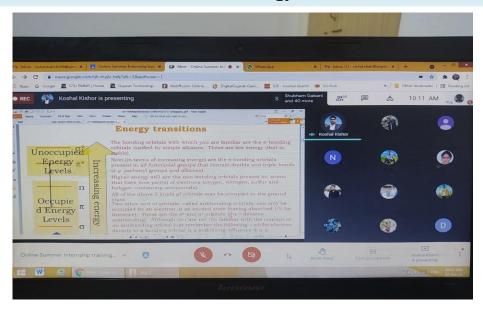


Photograph of Day-2 Session, Session was coordinate by Prof. Vishal U Shah

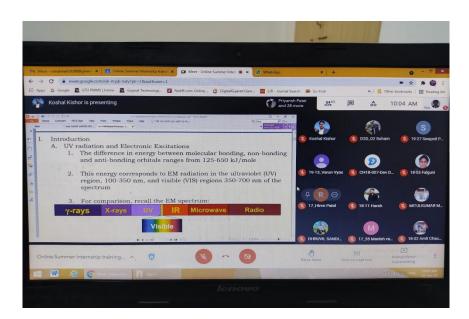
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Photograph of Day-3 Session, Session was coordinate by Dr. Koshal Kishor Singh



Photograph of Day-3 Session, Session was presented by Dr. Koshal Kishor Singh



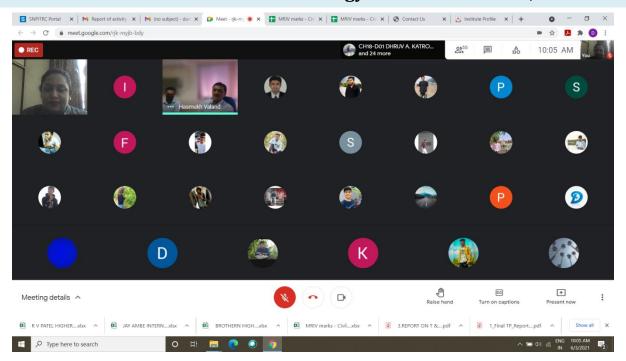
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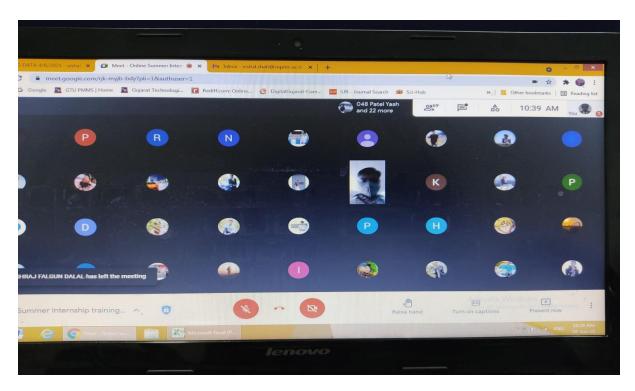
Photograph of Day-4 Session, Session was presented by Industrial Expert Mr. Hashmukh P. Valand sir and Mr. Pinal V. Trivedi (Sr. Manager, Environmental engineer shell, GNFC, Bharuch)



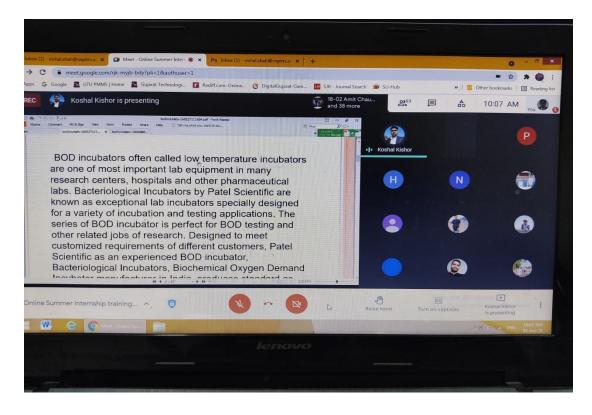
Day-4 Session, Expert Mr. Hashmukh P. Valand sir presented session with power point presentation

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### **DAY-5**



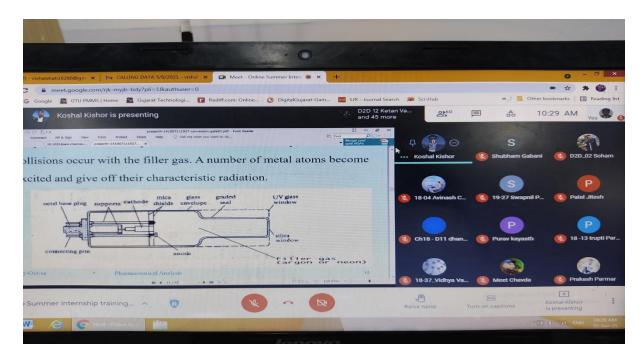
Photograph of Day-5 Session, Session was presented by Dr. Koshal Kishor Singh



Day-5 Session was presented by Dr. Koshal Kishor Singh about BOD incubator

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#### **DAY-6**



Day-6 Session was presented by Dr. Koshal Kishor Singh about AAS (Atomic Absorption Spectrophotometer

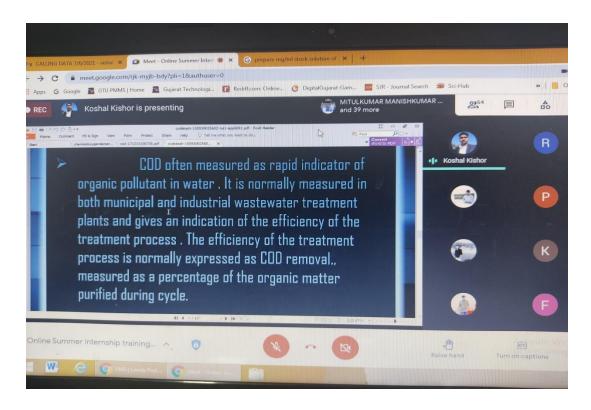


Day-7 Session was presented by Dr. Koshal Kishor Singh about COD Digester

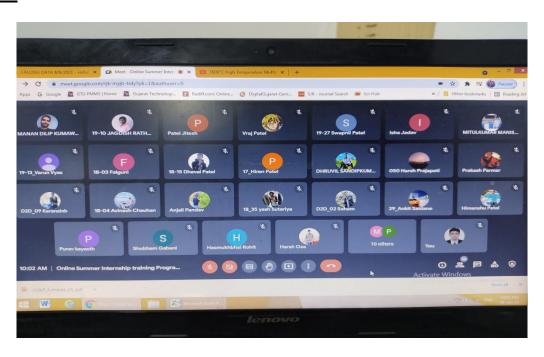
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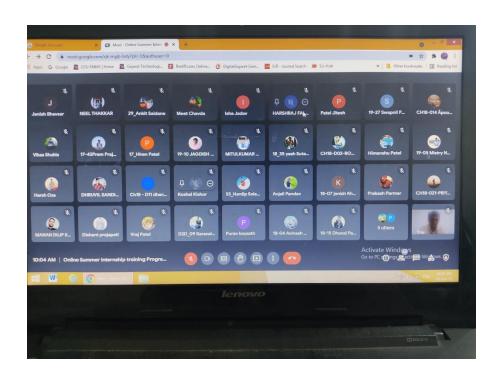


Day-7 PowerPoint Slide presented by Dr. Koshal Kishor Singh about COD Digester

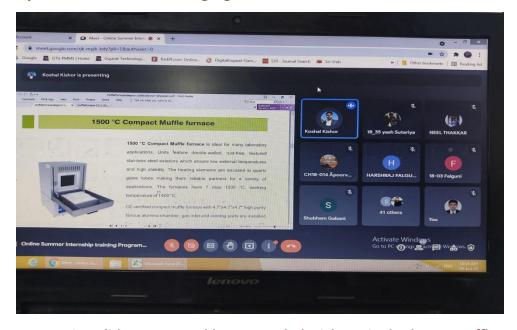


Day-8 PowerPoint Slide presented by Dr. Koshal Kishor Singh about COD Digester

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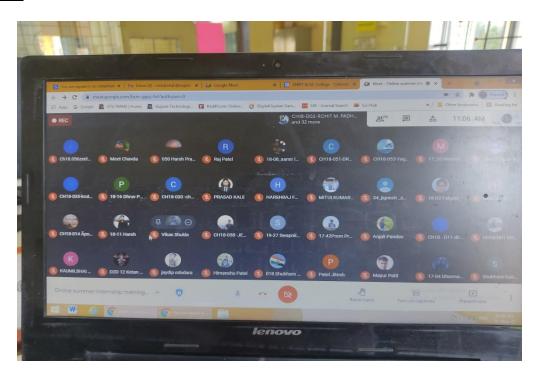


Day-9 Dr. Koshal Kishor Singh gives introduction about Muffle Furnace



Day-9 PowerPoint Slide presented by Dr. Koshal Kishor Singh about Muffle Furnace

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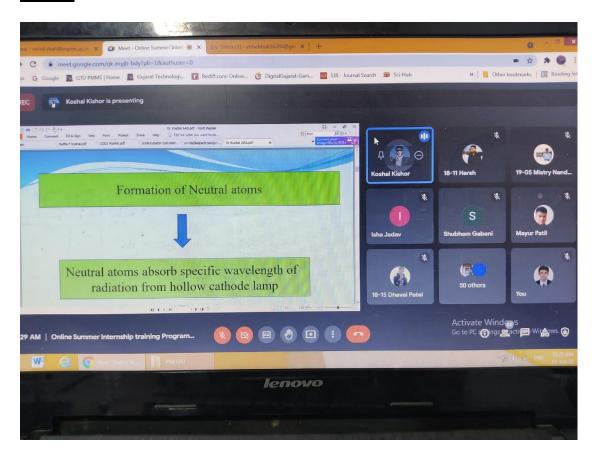


Day-10 Session was conducted by Dr. Chandrabhushan Pal sir

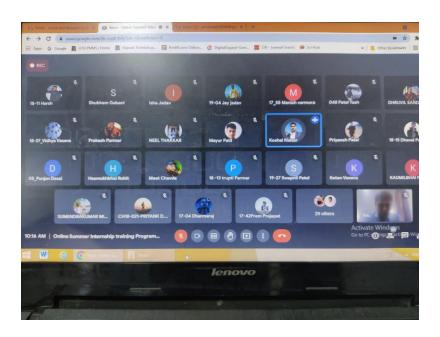
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#### **DAY-11**



Day-11 PowerPoint Slide presented by Dr. Koshal Kishor Singh about Muffle Furnace



Day-12 Prof. Vishal U Shah carries on last day session by introducing XRD technique

# S N Patel Institute of Technology & Research Centre, Umrakh

#### and HPLC technique.

Session was ended by Prof. Vishal U shah giving a vote of thanks in webinar.

For the grand success of event Vidyabharti Trust Members, Principal Dr. Piyush Jain, Administrative Prof. Akshay Gupta, Environment Audiit cell Incharge Prof. Krunal Shah, and All department heads congratulated T & P Team of Institute.

#### **ANNEXURE**

#### CERTIFICATE OF APPRECIATION FOR SPEAKER





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# S N Patel Institute of Technology & Research Centre, Umrakh

#### **CERTIFCATES OF CORDINATORS**



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

# **CERTIFICATE**

of appreciation

This certificate is awarded to

Dr. Damyanti G. Badagha

for organizing successfully two weeks online internship training program

on

"Environmental Auditing and Sample Analysis"

(31th May 2021 to 12th June 2021)

jointly conducted by

Chemical Engineering Department with T & P Cell and Environment Audit Cell, S. N. Patel Institute of Technology & Research Centre, Umrakh

R

Indian Institute of Chemical Engineerings, Ankleshwar regional centre.

Mr. A. I. Shaikh Honorary Secretary

Dr. Piyush S. Jain Principal SNPIT&RC, UMRAKH



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Mr. A. I. Shaikh Honorary Secretary IIChE (ARC) Dr. Piyush S. Jain Principal SNPIT&RC LIMRAKH

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# S N Patel Institute of Technology & Research Centre, Umrakh

#### CERTIFCATES OF STUDENTS



