

A
Training Program Report
On

'Application of MS Excel and Python in Chemical Engineering'

Organized by



Department of Petrochemical Engineering

Dr. Babasaheb Ambedkar Technological University Lonere

Duration: 1 Month

Period: 15th Feb 2023 to 15th March 2023.

Venue: Online

Target Audience: Third Year (29) & Final Year (10) Petrochemical Engineering Students.

Speaker: Mr. Raman Singh V. Thakur, Mr. Pankaj Wardhe

Workshop Co-Ordinator: Dr. S.S. Metkar, Prof. Harshada Jadhav.


Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS, India

List of students participated:

Sr. No.	PRN No.	Name of student
1	2030331527001	Aaves Shabbir Bawani
2	2030331527004	Ajay Bhaskar Katore
3	2030331527006	Aniket Arvind more
4	2030331527007	Anis Hidayat Kawlekar
5	2030331527009	Karan Bhausaheb Rahane
6	2030331527012	Mohee Altaf vinchu
7	2030331527013	Pranav prashant patil
8	2030331527014	Prashant Sambhaji Kirave
9	2030331527015	Prathmesh Yogesh Dombe.
10	2030331527018	Rutik Vijay Halde
11	2030331527020	Sandesh Pundlik Kahate
12	2030331527021	Siddhant Padmakar Bhaware
13	2030331527023	Vishwajeet Vilas Shinde
14	2130331527501	Mansi Jaydas Ambaji
15	2130331527502	Taha Amin Ahmad Siddique
16	2130331527503	Omkar Raju Salunke
17	2130331527504	Ajinkya Dattaraj Pawar
18	2130331527507	Omkar Raghunath kuthe
19	2130331527509	Tanmay Mahesh Patil
20	2130331527513	Rushdan M.Rafi Lashkari
21	2130331527516	Ganesh Kashinath Mule
22	2130331527517	Shrikant Dnyaneshwar Gite
23	2130331527519	Rushikesh Sandip Gaikwad
24	2130331527520	Mansi Rajendra Patil
25	2130331527521	Pranit mohan patil
26	2130331527522	Saurabh Rajendra Mande

A. Metkar
Dr. Sangeeta Metkar
Head
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27	2130331527523	Sachin Madival Kolekar
28	2130331527525	Adnan Arif Ghole
29	2130331527505	Zaid Nadkar
30	1930331527009	Nilegave Amar Kishanrao
31	1930331527052	Chaudhari Yash Ashok
32	1930331527059	Bansode Lumbinee Shridhar
33	1930331527056	Katakwar Abhishek Prabhat
34	1930331527051	Nirupam Prashant Bagle
35	1930331527014	Patil Prajakta Pandurang
36	1930331527007	Sute Buddharakshit Rajendra
37	1930331527050	Hawelkar Rahul Narhari
38	1930331527061	Dhawale Rohan Namdev
39	1930331527010	Patil Gaurav Chotulal

About Workshop:

Microsoft Excel is widely used tool in various chemical and petrochemical industries for energy and material balance calculation, project management, etc. Being a powerful tool for calculations, yet it is very simple, easily available and user friendly. All of us might have used this tool for different purposes. This course particularly focuses on its application to solve different chemical engineering problems from different subjects to save our time and to reduce efforts.

The goal of this course is to provide a more inclusive background in Microsoft Excel techniques and improve the quality, reliability and efficiency of your work. This course is highly recommended for students and faculties of Chemical and Petrochemical Engineering and working personnel in Chemical and Petrochemical industries.

Python is a popular programming language. It was created by Guido van Rossum, and released in 1991. Python was designed for readability, and has some similarities to the English language with influence from mathematics. Python uses new lines to complete a command, as opposed to other programming languages which often use semicolons or parentheses. Python relies on indentation,

A3 Metkar
Dr. Sangeeta Metkar
 Head

Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University

using whitespace, to define scope; such as the scope of loops, functions and classes. Other programming languages often use curly-brackets for this purpose.

It is used for web development (server-side), software development, mathematics, system scripting. Python can be used on a server to create web applications. Python can be used alongside software to create workflows. Python can connect to database systems. It can also read and modify files. Python can be used to handle big data and perform complex mathematics. Python can be used for rapid prototyping, or for production-ready software development. Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc.). Python has a simple syntax similar to the English language. Python has syntax that allows developers to write programs with fewer lines than some other programming languages. Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick. Python can be treated in a procedural way, an object-oriented way or a functional way.

This course will start with basics of Excel and python. Then we will start with our domain i.e. Chemical Engineering. In this, you will learn how to solve Chemical Engineering problems with the help of Excel and Python. This includes problems from Heat Transfer, Fluid Mechanics, Chemical Engineering Thermodynamics, Mass Transfer and Chemical Reaction Engineering.


Course Content:

Module One: Excel Setup and Basic Skills (2 hours)

- Basic mathematical operation
- Scientific symbols and shortcuts
- Plotting graph with given data
- Statistical analysis
- Linear regression

Module Two: Heat Transfer (2 hours)

- Discussion on concept of Conduction, Convection and Radiation
- Conversions in Excel
- Steady state conduction in composite wall
- Counter current heat exchanger
- Lumped heat capacitance


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Module Three: Process Calculation (2 hours)

- Material balance for non-reactive system
- Material balance for a reactive system with and without recycle
- Energy balance on a non-reactive and reactive system

Module Four: Fluid Flow (2 hours)

- Terminal settling velocity of particle
- Pressure drop in pipes

Module Five: Thermodynamics (2 hours)

- Solving equations of state using excel
- T-x-y and P-x-y diagrams

Module Six: Mass Transfer (2 hours)

- Batch Distillation Calculation by Raleigh Method
- Binary Distillation McCabe-Thiele Diagram

Module Seven: Chemical Reaction Engineering (2 hours)

- Batch reactor yield optimization
- Regressing rate constants in rate equation from experimental data.

Module Eight: Python Setup and Basic Skills (2 hours)

- Basic mathematical operation
- Scientific symbols and shortcuts
- Exponential Function, Scientific Notation.

Module Nine: Chemical Reaction Equilibrium (2 hours)

Module Ten: Isothermal PFR (2 hours)

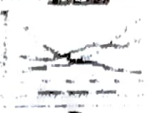

Module Eleven: Iso Thermal Flash Development of equation ((2 hours)

Module Twelve: Datouts and Problem Solving.


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Plotting graph / charts with given data

- Line Chart**
 - Useful for showing trends in data of about 10-15 points
- Bar Chart**
 - You can compare data across different categories
 - Most of the charts that you will find are grouped
- Area Chart**
 - You can compare data across different categories
 - You can see the total value of the horizontal axis
 - You can see the total value of the vertical axis
 - You can see the total value of the horizontal axis
 - You can see the total value of the vertical axis

	Column 1	Column 2	Column 3
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10

Raman is presenting

Raman is presenting

Raman

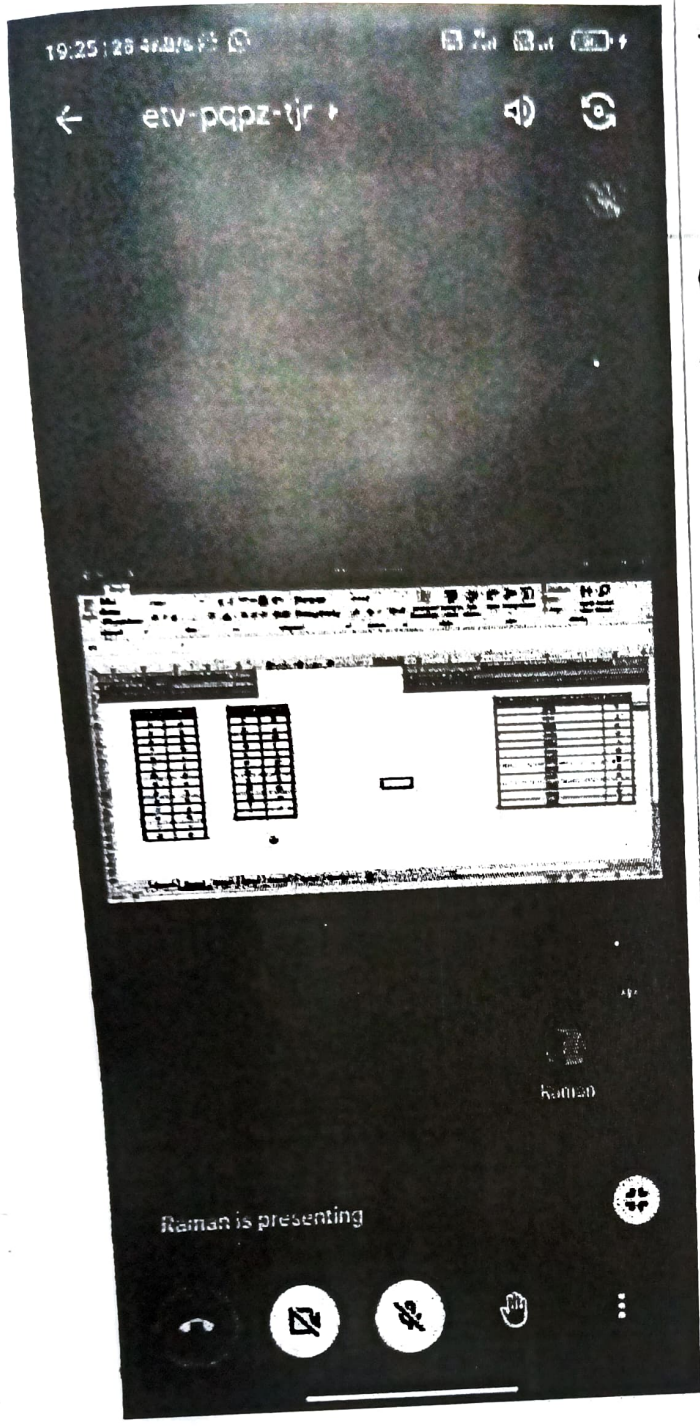
Pras...

Raman

You

Tan...

33 others



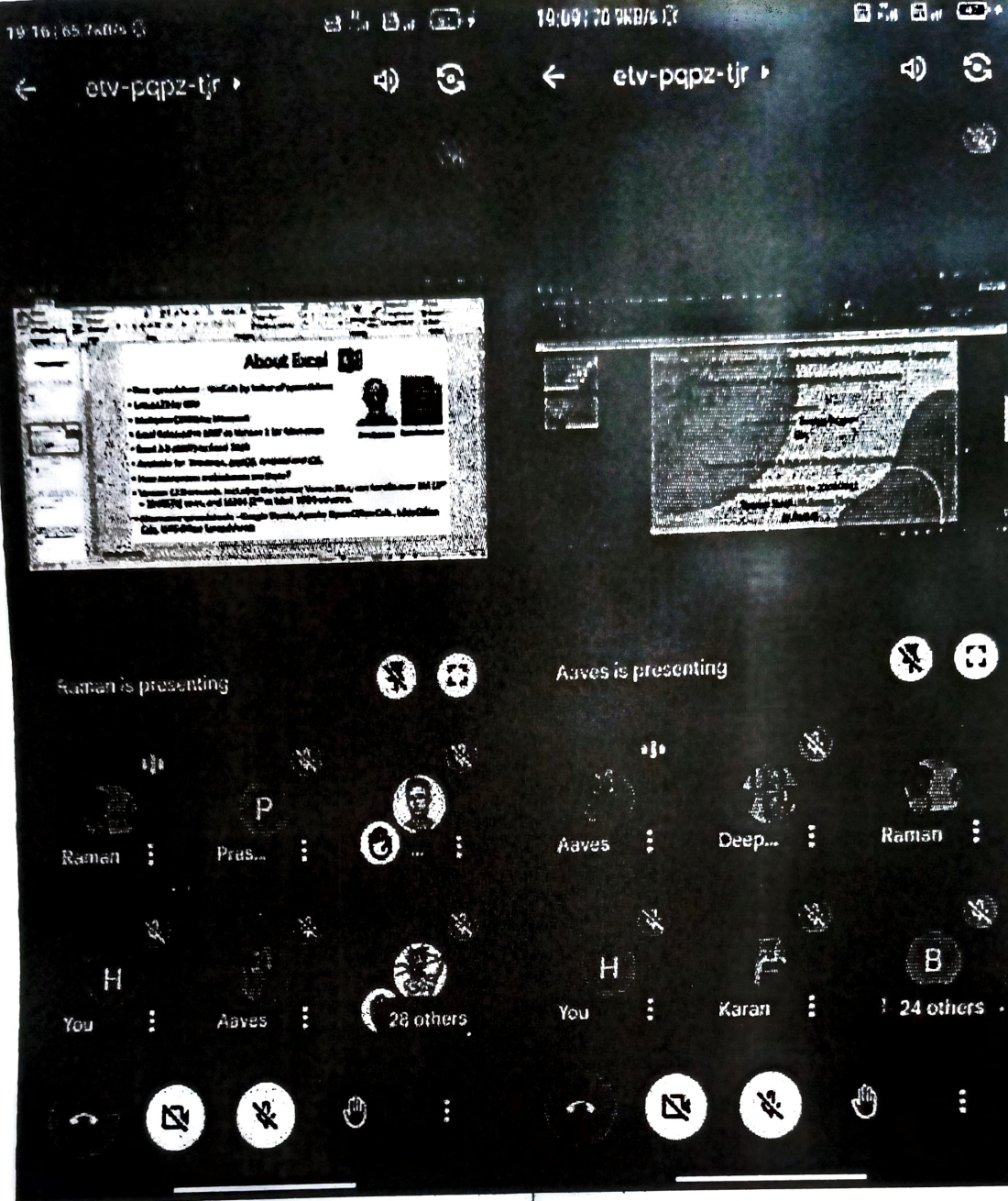
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← About this call

People	Information	Activities
Raman Meeting host		
Raman (Presentation... Meeting host		
Aaves Bawani		
Aaves Bawani		
Abhishek		
Ajay katore		
Ajinkya Pawar		
Amar Nilgave 7009		
Aniket More		
Anis Kawlekar		
Buddharakshit Sute		
Deepali Pawar		
Ganesh mule		
kanchan nazare		
Karan Rahane		

Sangeeta Metkar

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 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere Raigad - 402103 MS, India



Jadhav

Ms. Harshada Jadhav
Faculty Coordinator

S. S. Metkar

Dr. S. S. Metkar
Head, Department of Petrochemical Engineering

Sangeeta Metkar

Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
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A

Guest Lecture Report

On

“How to Ace an Interview – Preplacement Talk”

Organised by



Department of Petrochemical Engineering

Dr. Babasaheb Ambedkar Technological University Lonere

Academic Year – 2022- 2023w


Date: 02nd December 2022

Venue: Conference Hall

Target Audience: Second, Third and Final Year Petrochemical Students.

Speaker: Mr. Akash Kanojia, Mr. Abhisekh Moudgil & Ms. Vruti Pandya

Workshop Co-Ordinator: Dr. S.S. Metkar, Prof. Sk Nadeemuddin.


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Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University


With the permission of the Registrar, the Petrochemical Engineering Students Association of the Department of Petrochemical Engineering successfully organised the 'How to Ace an Interview - Pre-placement Talk' on Friday, 02nd December 2022.

AGENDA:

- 1) Welcome Speech
- 2) Felicitation of Guests, Departmental Faculty, and Staff.
- 3) Guest Presentation & Interaction with Students.
- 4) Question and Answer Session
- 5) Collected Feedback form.

Lecture Content:

- Importance of Personal Grooming
- Formal Apparel and Accessories for Interview
- Interview Etiquette and Practices
- Body Language
- Facial Expression
- Importance of Structured Thinking
- Cultivating a Proper Interview Mindset


Dr. Sangeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere (Kajgaon) - 402103 MS, India

About Workshop:

Today's guest lecture focused on the current Interviews norms and etiquette and preparing students for the upcoming placement drive. The talk focused on the critical external and internal factors playing a role in a personal interview. The lecture was conducted in hybrid mode to promote the Digital India Campaign.

Mr. Akash Kanojia, Mr. Abhishek Moudgil and Ms. Vruti Pandya were invited as guest speakers to shed some light on the recruiting process and how to appear and succeed in an interview.

Welcome Speech:

On behalf of the Petrochemical Engineering Department, Faculty Co-ordinator of Petrochemical Engineering Students Association (PESA) Asst. Prof. Nadeem started the program with kind words regarding the program and welcomed all guests, Faculty members and participants for the same. He gave a brief introduction about guests Mr. Akash Kanojia, Mr. Abhishek Moudgil and Ms. Vruti Pandya and their respective fields. Mr. Akash Kanojia is an MBA from Symbiosis and works at Sify Technologies Ltd product management. Mr. Abhishek Moudgil has a management degree in Rural Management from Prin. L. N. Welingkar Institute of Management and is currently working as a content manager at ICICI Prudential. Ms. Vruti Pandya currently works as a ProductionCoordinator at MPC Films.

Felicitation of Guests, Departmental Faculty, and Staff:

Faculty Co-Ordinator PESA, Asst. Prof. Sk Nadeemuddin felicitated Guest speakers with an Online Memento.

Guest Presentation:

Our guest speakers Mr. Akash Kanojia, Mr. Abhishek Moudgil and Ms. Vruti Pandya, gave PowerPoint presentations about external and Internal factors affecting the outcome of an Interview. They provided information about external factors such as personal grooming, choice of attire and accessories, and factors internal to a candidate such as good gesture posture combination, body language and mindset.

In the end, the program was concluded with a vote of thanks and collected feedback from all participants.

Department wants to thank the university administration, Registrar, and Dean, Academics for permitting financial support.

S. Sangeeta
Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS, India

LIST OF STUDENTS PARTICIPATED:

PRE PLACEMENT TALK

DATE 02/12/2022

DEPARTMENT OF PETROCHEMICAL ENGINEERING
ORGANIZED WORK "GUEST LECTURE ON 'PRE-
PLACEMENT TALK' FOR PETRO-CHEMICAL ENGG
STUDENTS ON 02-12-2022, FRIDAY AT 9 O'AM

VENUE: CONFERENCE HALL

MEMBERS OF THE EVENT:-

1. ANASH KANDOTA
2. ABUSHEK MUMTAZ
3. VROJEE DANDIA

FOLLOWING STUDENTS AND FAMILY MEMBERS
WERE PRESENT FOR THE GUEST LECTURE.

FACULTY MEMBERS / STAFF

- 1) DR. S. S. METKAR
- 2) DR. S. M. MHATRE
- 3) DR. V. P. JAWANJAL
- 4) DR. D. M. PAWAR
- 5) PROF. L. Y. RAWOOT
- 6) DR. K. P. ...
- 7) PROF. H. R. JADHAV
- 8) PROF. S. K. NADEEMUDDIN

Signature
Date
Place
Dr. Sangeeta Metkar

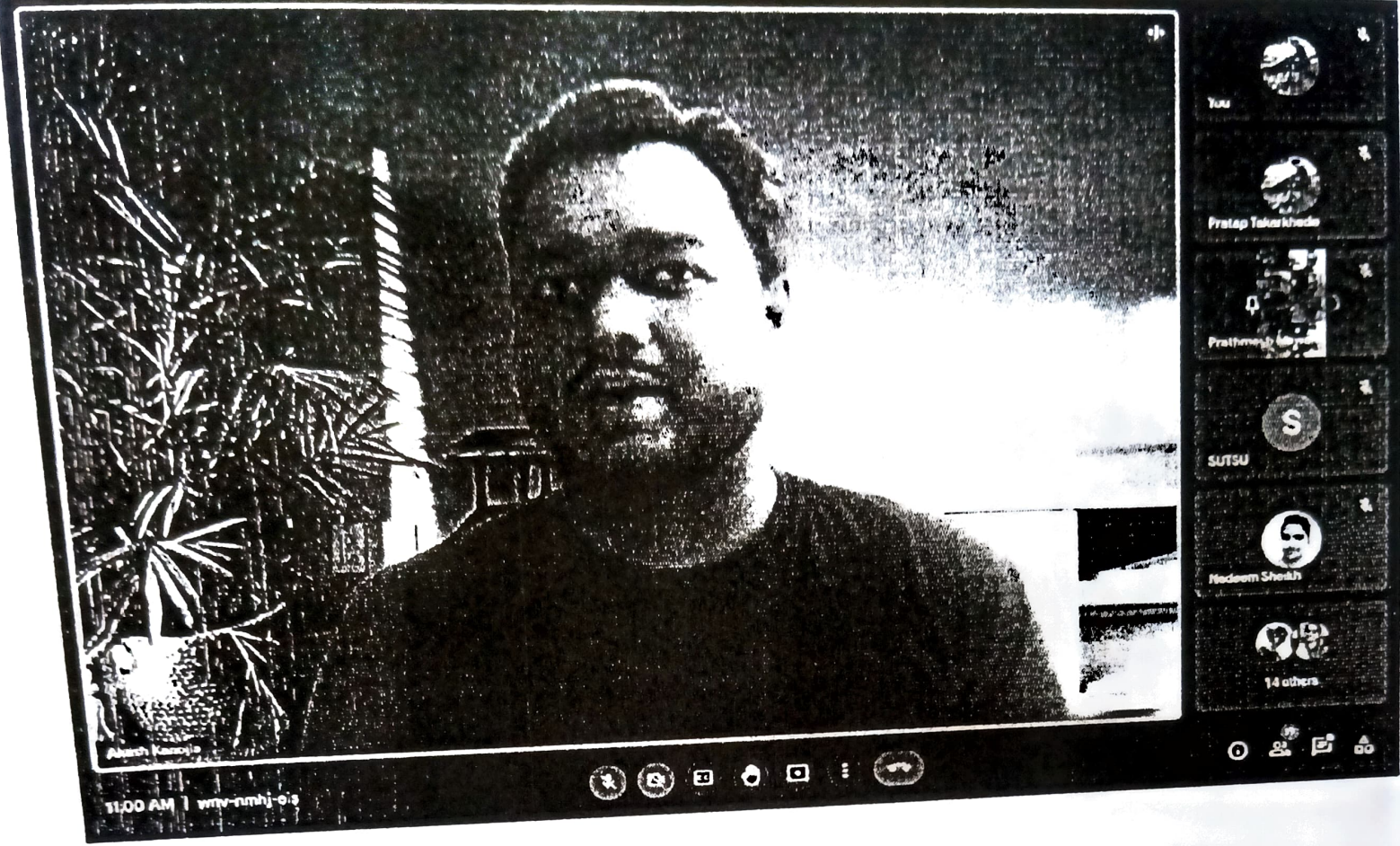
Sangeeta Metkar
Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS India

Sl. No.	Name of Student	Roll No.	Grade	Signature
1	Abhishek Thakur	2030331521001	III	[Signature]
2	Abhishek Thakur	2030331521002	III	[Signature]
3	Abhishek Thakur	2030331521003	III	[Signature]
4	Abhishek Thakur	2030331521004	III	[Signature]
5	Abhishek Thakur	2030331521005	III	[Signature]
6	Abhishek Thakur	2030331521006	III	[Signature]
7	Abhishek Thakur	2030331521007	III	[Signature]
8	Abhishek Thakur	2030331521008	III	[Signature]
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49	Abhishek Thakur	2030331521049	III	[Signature]
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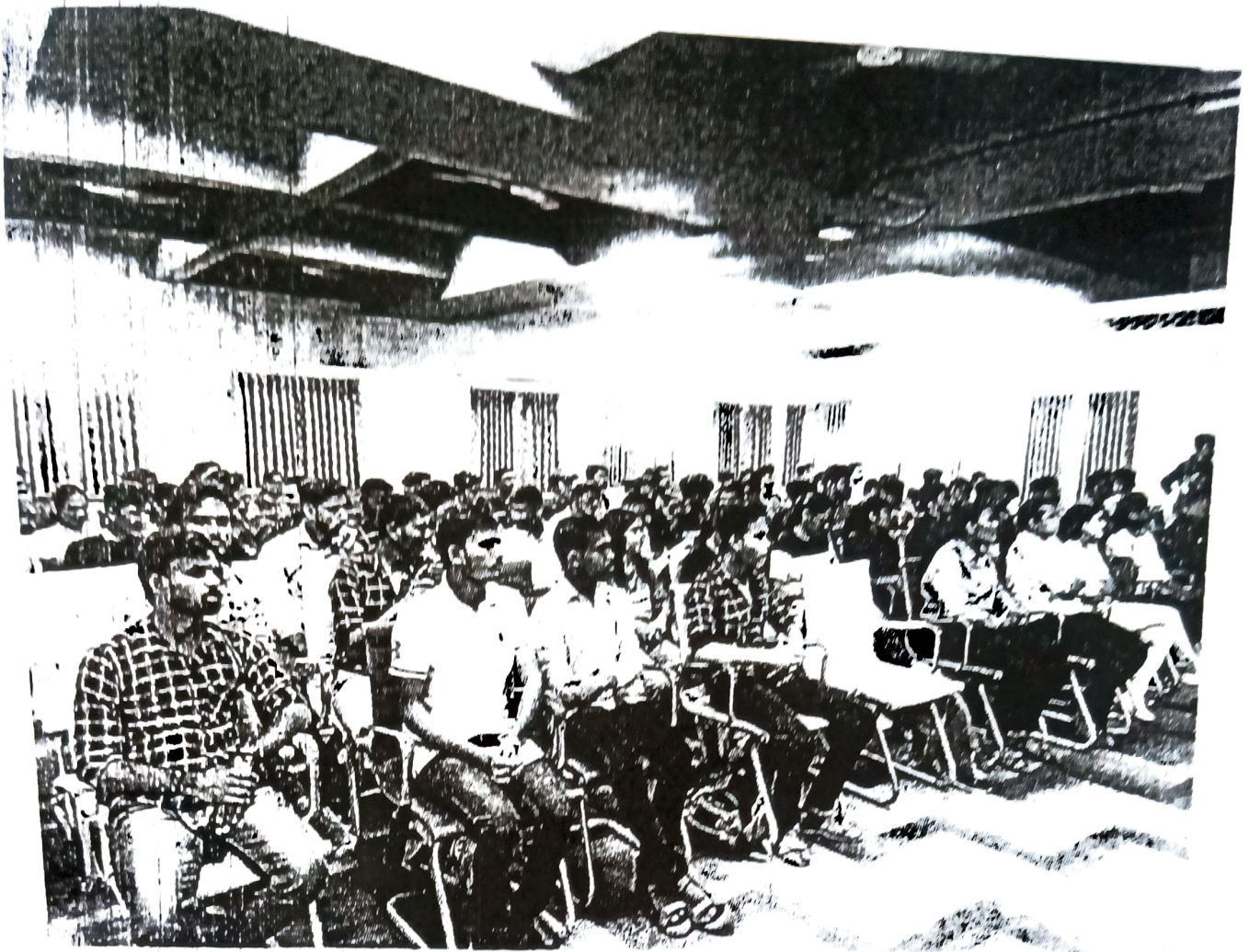
Name	Roll No.	Class	Signature
Abhinav Dattaraj Chavhan	2130331521504	3 rd yr	<i>[Signature]</i>
Pratik Mahan Patil	2130331521507	3 rd yr	<i>[Signature]</i>
Sukh R Bhasitkar	2030331521005	4 th yr	<i>[Signature]</i>
Shikhar S. Tembe	2030331521006	4 th yr	<i>[Signature]</i>
Shelar Takarkhede	1930331521059	4 th yr	<i>[Signature]</i>
Pruthmesh Mawale	2030331521003	4 th yr	<i>[Signature]</i>
Harshit Daxade	19-7046	4 th yr	<i>[Signature]</i>
Pratik S. Khondagale	19-7045	4 th yr	<i>[Signature]</i>
Manoj Sagle	19-7051	4 th yr	<i>[Signature]</i>

No. of Students : 73 (offline)

DESA
 Faculty Co-ordinator
[Signature]
 (Mr. SK. ADEEMUDDIN)



As the



Pratik
Dr. Sanjay M. Patkar
Head
Department of Mechanical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere, Rajgaon (W), Dist. Solapur - 431103 MS, India

Preparation before the interview is the key to crack it

Review own skills, experiences and qualities

- Check Your CV
- Anticipate questions and identify relevant examples
- Prepare key selling points

Research about organization

- Websites, reports, articles, company literature, etc
- Contacts with knowledge of organization or sector
- Relevant articles in the press
- Personal visit or telephone call

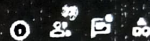
Prepare your questions

Practice



Video call participant thumbnails:

- You
- Nadeem Sheikh
- Amish Kanoge
- SUTSU
- 17 others



Build a strong mindset the body will follow



Video call participant thumbnails:

- You
- Nadeem Sheikh
- SUTSU
- 9 others




Dr. Sandeep Metkar
 Dr. Sandeep Metkar
 Head
 Department of Mechanical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere Raigad - 402103 MS. India

For Women

Do's

- Wear clean, well-fitted, professional attire
- Use subtle accessories
- Avoid perfume; if necessary, use same or avoid altogether
- 2 piece suit with skirt of knee length can also be a good option
- Polished leather shoes; if more formal, dress complementing the attire



Don't's

- Do not wear heavy jewelry
- Do not wear high-heeled shoes
- Do not wear bright colors
- Do not wear wrinkled or stained clothing

9:38 AM | Pre-placement Talk

Pratyaksh



Pratyaksh



Pratyaksh




14 others



Tips for Successful Interviewing

- Interviewing is a two-way process
- Never give 'yes' or 'no' answers
- Listen carefully and react
- Use specific examples to make your case
- The interview begins the moment you enter the college/company
- Be positive!
- Make sure you do your interview intelligently



Dr. Sangeeta Metkar

You



Pratyaksh



Pratyaksh Shrivastava



12 others



11:45 AM | wps-nmbj-65

Sangeeta
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Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Warananagar, Lonere-431003 MS

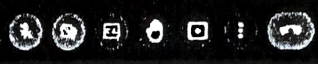


Body Language

Body Language is the study of non-verbal communication
Body Language



11:30 AM | wny-nmhj-95



S. Nadeem

Dr. S. K. Nadeemuddin
Faculty Coordinator, PESA
Department of Petrochemical Engineering

S. S. Metkar

Dr. S. S. Metkar
Head
Department of Petrochemical Engineering

S. S. Metkar

Dr. Sandeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Marathwada University
Lonere Raigad - 431 133 Ms. India

A

Guest Lecture Report

on

“Digital Transformations in Oil & Gas, Power & Renewable Sector”



Department of Petrochemical Engineering

Dr. Babasaheb Ambedkar Technological University Lonere

Academic Year 2022- 2023

Date & Time: 28/05/2023, 11:00 a.m. to 12.30 p.m.

Speaker Name: Mr. Chetan M. Badhe

Target Audience: Second, Third & Final Year B. Tech Petrochemical and Chemical Engineering Students.

Faculty Coordinators: Dr. S. S. Metkar, Prof. L. Y. Rawoot

Venue: Online via google meet

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Dr. S. S. Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad, Maharashtra, India

Department of Petrochemical Engineering has organised an online guest lecture on 'Digital Transformations in Oil & gas, Power & Renewable Sector' on 28.05.2023 via google meet.

The speaker of this Lecture was Mr. Chetan M. Badhe (Sr. Manager Digital Transformations – IG Petrochemicals, Mumbai).

- **About Guest:**

1. B.Tech. in Chemical Engineering from Mumbai University in 2008
2. Recently completed PG in Digital Manufacturing & Smart Factories from Indian Institute of science, Bangalore (2023)

- **Work experience:**























































1. Sr. Proposal Engineer at Ion Exchange India Ltd. Mumbai
2. Application Engineer at Triangle Simulation, Mumbai
3. Application Engineer at Evonik Industries India Pvt Ltd Noida
4. Advanced Project Engineer at Honeywell Automation India Ltd Pune
5. Sr. Manager – Digital Transformations at IG Petrochemicals, Mumbai



















































- **Participants:**

With the students of Second, Third Year and Final Year B.Tech. Petrochemical & Chemical Engineering, this lecture was also attended by the following faculties of Petrochemical Engineering Department:





- 1) Prof. L. Y. Rawoot
- 2) Prof. H. R. Jadhav
- 3) Prof. K. P. Nazare
- 4) Dr. D. M. Pawar

Chetan M. Badhe
Dr. Chetan M. Badhe

People	Information	Activities
AKASH AGLAVE		
Akash Lamture		
Akshay Koli		  
Anuj ghase		  
Ayush_Ash		  
chetan badhe		  
chetan badhe (Pres...		  
Deepali Pawar		  
Dhiraj Gaikwad		  
Falgun Vichare		  
Harshada Jadhav		  
Harshal Baviskar		  
Hrishikesh Mahalle		  
Jaid Shaikh		  
kanchan Nazare		  

People	Information	Activities
kanchan Nazare		
Madhav Kumbhar		
mansi ambaji		  
Mansi Patil		  
Mayur Dhomne		  
mayur more		  
Nazim Galsulkar		  
Nitish Maske		  
omkar kuthe		  
Patil Gaurav		  
PAWAL MALHARI		  
Pranav Patil		  
Pranit Patil		  
Prasad Ekshinge		  

A. Pratik
Dr. Sangeeta Metkar
 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere Rajgad - 431003 MS. India

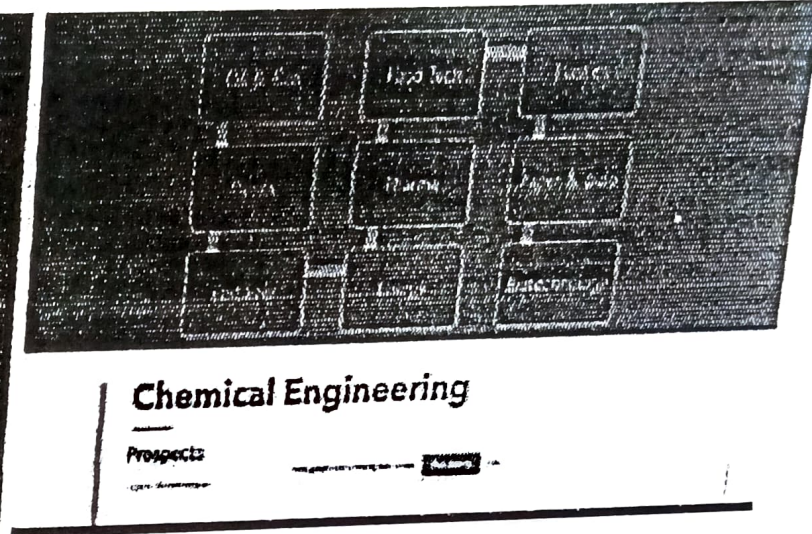
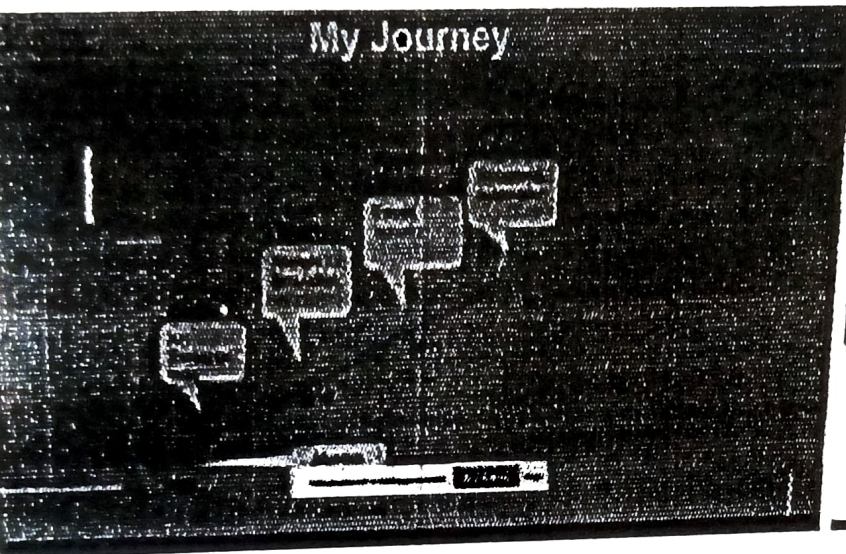
	Prashant Kirave	
	prathmesh dombe	
	Pratik Aute	✗  
	Rahul Jhadav	✗  
	Raj Patil	✗  
	Rushdan Lashkari	✗  
	sachin kolekar	✗  
	SAIF JHETAM	✗  
	sandesh kahate	✗  
	Sandip Dughav	✗  
	Sandip Gophane	✗  
	Sanghpriya Lone	✗  
	Sanika Rajguru	✗  
	Saurabh Mande	✗  
	Shivam Pal	✗  

	Sanghpriya Lone	
	Sanika Rajguru	
	Saurabh Mande	✗  
	Shivam Pal	✗  
	Shravika Keche	✗  
	Shreyash Patil	✗  
	Shrikrushna Chopade	✗  
	siddhant bhaware	✗  
	Siddique Taha	✗  
	SOHEL SAYYAD	✗  
	Soyab Sayyed	✗  
	Tanmay patil	✗  
	Vishwajeet Shinde	✗  
	Vivek Khatik	✗  
	Zaid Nadkar	✗  


Dr. Sangeeta Metkar
 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere Raigad - 402103 MS, India

➤ **Contents covered:**

- **Scope of chemical Engineer**
- **Software Skills required like PYTHON**
- **Industry codes**
- **Digital twins (LIMS/ PIMS/ Simulation)**
- **Mechatronics**
- **Automated guided vehicles**
- **Robotics**
- **IOT technology**
- **Drone**
- **Cybersecurity**



An
Guest Lecture Report
On
“Role of Chemical & Petrochemical Engineers towards a Carbon Neutral
Society”

Organised By



Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere
Academic Year – 2022- 2023


Date & Time: 17th June 2023, 01.00 – 02.30 pm IST

Mode: Hybrid Mode

Guest Speaker: Dr. Anantrao Shirsath, H2X Ecosystems, Rennes, France

Target Audience: B. Tech Petrochemical Engineering Students

Event Coordinators: Dr. S. S. Metkar, Mr. Sk Nadeemuddin


Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS. India

With the gracious approval of the University administration and the support of the Registrar, the Department of Petrochemical Engineering successfully organized a guest lecture on "The Role of Chemical and Petrochemical Engineers in Transition Towards a Carbon Neutral Society." The event took place in our esteemed institution's Conference Hall on 21st June 2023.

AGENDA:

- 1) Welcome Address
- 2) Felicitation of Guests and Departmental Faculty
- 3) Guest Lecture Presentation and Interactive Session
- 4) Question and Answer Segment
- 5) Collection of Feedback Forms

Lecture Content:

- The Imperative for a Carbon Neutral Society
- The Contribution of Chemical and Petrochemical Engineers
- Cutting-Edge Technologies and Innovations
- Challenges and Opportunities
- A Path Forward Towards Sustainability

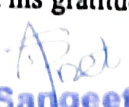
ABOUT THE GUEST LECTURE:

The guest lecture aimed to enlighten students about the pivotal role of chemical and petrochemical engineers in addressing the global challenge of achieving a carbon-neutral society. It explored the interdisciplinary aspects of sustainability, innovative technologies, and sustainable practices. The lecture was held in a hybrid format to align with the principles of the Digital India Campaign.

Dr. Anantrao Shirsath, an esteemed expert in the field, delivered an engaging and informative presentation. He shared insights into the current global energy landscape, the significance of transitioning towards a carbon-neutral society, and how chemical and petrochemical engineers can lead this transition. Dr. Shirsath's expertise from H2X Ecosystems in Rennes, France, added an international perspective to the discussion.

WELCOME ADDRESS:

The event commenced with a warm welcome by Asst. Prof. Sk Nadeemuddin, Faculty Coordinator of the Department of Petrochemical Engineering. He extended his gratitude to the guests, faculty


Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS. India

members, and enthusiastic students in attendance. Asst. Prof. Sk Nadeemuddin provided an introduction to Dr. Anantrao Shirsath, highlighting his accomplishments in the field and underscoring the importance of his expertise.

FELICITATION OF GUESTS:

Following the welcome address, Dr. Sangeeta S. Metkar, HoD & Workshop Coordinator, presented Dr. Anantrao Shirsath with an online memento as a token of appreciation for his valuable contribution to the lecture.

GUEST LECTURE PRESENTATION:

Dr. Shirsath's presentation was a highlight of the event. He engaged the audience with a comprehensive PowerPoint presentation that covered the pressing issues related to carbon neutrality and the instrumental role of chemical and petrochemical engineers in finding sustainable solutions. His insights on cutting-edge technologies and challenges were well-received by the audience.

The lecture concluded with a vibrant question and answer session, allowing students to interact with Dr. Shirsath and delve deeper into the subject matter. It was evident that the lecture had sparked curiosity and enthusiasm among the students.

CONCLUSION:

In closing, the program was wrapped up with a vote of thanks and the collection of feedback forms from the participants. The Department of Petrochemical Engineering would like to extend its sincere appreciation to the University administration, the Registrar, and the Dean of Academics for their unwavering support, which made this enlightening event possible.

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

DEPARTMENT OF PETROCHEMICAL ENGINEERING

Welcomes you to Webinar on

Role of Chemical and Petrochemical Engineers in transition towards a Carbon Neutral Society

Guest Speaker: Dr. Anantrao Shirsath
Project Manager - H2X Ecosystems
Rennes, France

Prof. Sk Nadeemuddin
Faculty coordinator

Dr. S. S. Metkar
Head of Department

Date: 17 June 2023
Time: 01:00 PM IST

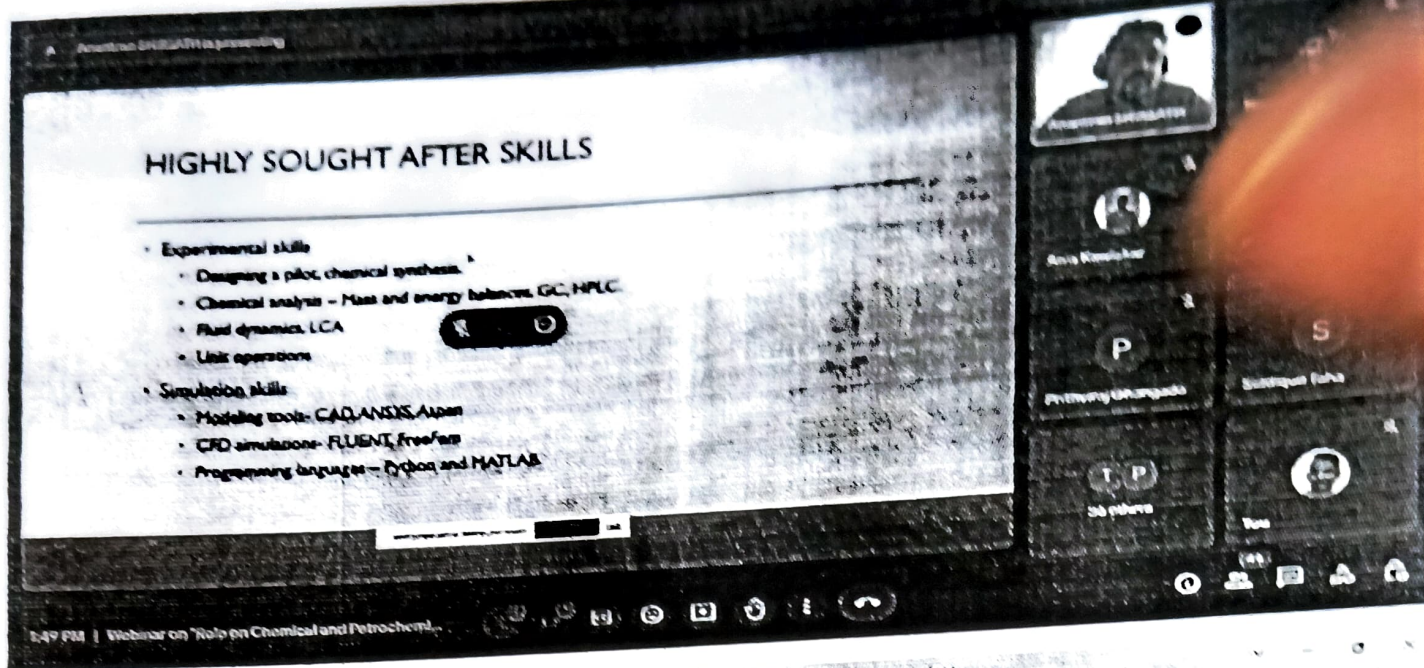
S. Metkar
Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS, India

Amrithan SHIRSATI is presenting

HIGHLY SOUGHT AFTER SKILLS

- Experimental skills
 - Designing a pilot, chemical synthesis.
 - Chemical analysis - Mass and energy balances, GC, HPLC.
 - Fluid dynamics, LCA
 - Unit operations
- Simulation skills
 - Modeling tools- CAD, ANSYS, Aspen
 - CFD simulations- FLUENT, freeform
 - Programming languages - Python and MATLAB

1:49 PM | Webinar on "Role on Chemical and PetrochemL..."



Feedback form for Webinar on... | Feedback form for Webinar on...

meet.google.com/... | Feedback form for Webinar on...

1:50 PM | Webinar on "Role on Chemical and PetrochemL..."

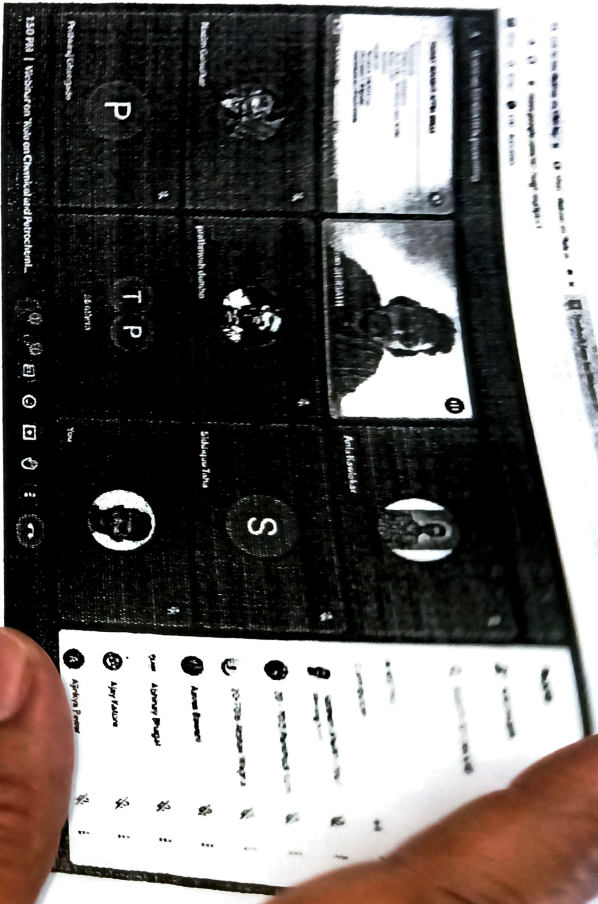
Amrithan SHIRSATI is presenting

HIGHLY SOUGHT AFTER SKILLS

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- Simulation skills
 - Modeling tools- CAD, ANSYS, Aspen
 - CFD simulations- FLUENT, freeform
 - Programming languages - Python and MATLAB

1:50 PM | Webinar on "Role on Chemical and PetrochemL..."





As we move forward in our collective journey toward sustainability, the knowledge and skills acquired in this guest lecture will undoubtedly play a vital role in shaping the future of our students and the world.

Prof. Sk Nadeemuddin
Faculty Coordinator, PESA
Department of Petrochemical Engineering

Dr. Sanjeeta S. Metkar
Head
Department of Petrochemical Engineering

Dr. Sanjeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Jadhav Prabhakar Technological University
Khadere Raigad - 402103 Ms., India

A

Online Webinar Report

on

“Career Opportunities In Age of Innovations”

Organized

by



Department of Petrochemical Engineering

Dr. Babasaheb Ambedkar Technological University, Lonere

Academic Year 2022- 2023

Date & Time: 20 June 2023, 11:00 a.m. to 12:30p.m.

Speaker Name: Mr.Atharva Patankar

Target Audience: Second, Third & Final Year B.Tech Petrochemical and Chemical Engineering Student

Faculty Coordinators: Dr.S.S. Metkar & Prof. K.P. Nazare.

Venue: DBATU Conference Hall, Online via google meet

Link of Webinar: <http://meet.google.com/kjp-psqc-00y>


Dr. Sangeeta Metkar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS. India

As a part of curriculum, online webinar program forms an important component in our academic schedule apart from academic activities. With the permission of Registrar, Petrochemical Engineering Student Association (PESA) Department of Petrochemical Engineering has organised an Online Webinar on ““Career Opportunity in Age of Innovations” on 20.06.2023 via google meet.

The speaker of this Webinar was **Mr. Atharva Patankar (CO-Founder, Tech.Operations & Business Greycast Technologies Pvt.Ltd.)**

- **About Speaker:**

1. Alumnus of Petrochemical Engineering 2013 Batch.
2. Master of Technology at IIT-BOMBAY in Department of Energy Systems and Engineering.
3. Recipient of prestigious grants in aid by Ministry of Science and Technology and ANIC Grant by Atal Innovation Mission.
4. Awarded prestigious DRDO “Dare to Dream” Prize for innovation in defence industry in 2021

- **Work Experience**

1. Currently Co-Founder and director of Greycast Technologies Pvt. Ltd. which is a clean tech. company Incubated at SINE IITB.
2. Speaker in various start up events organised by prestigious organisations like IIT-Bombay, Nagpur Municipal Corporation, Pimpri Chinchwad Municipal Corporation, ICT Mumbai, VNIT Nagpur, VIT Pune etc.

- **Point discuss during Webinar**

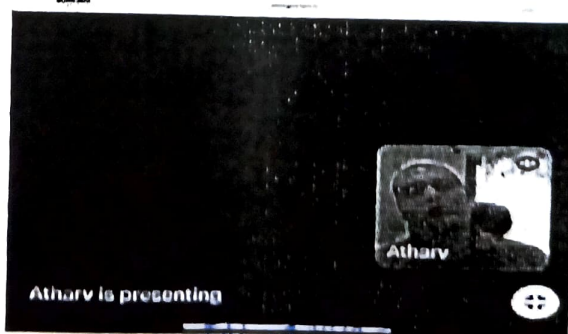
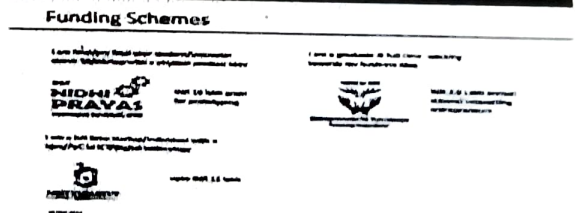
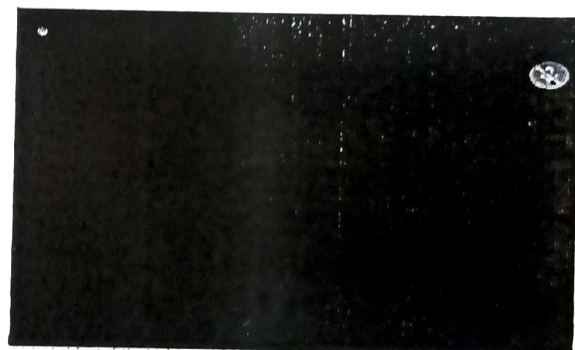
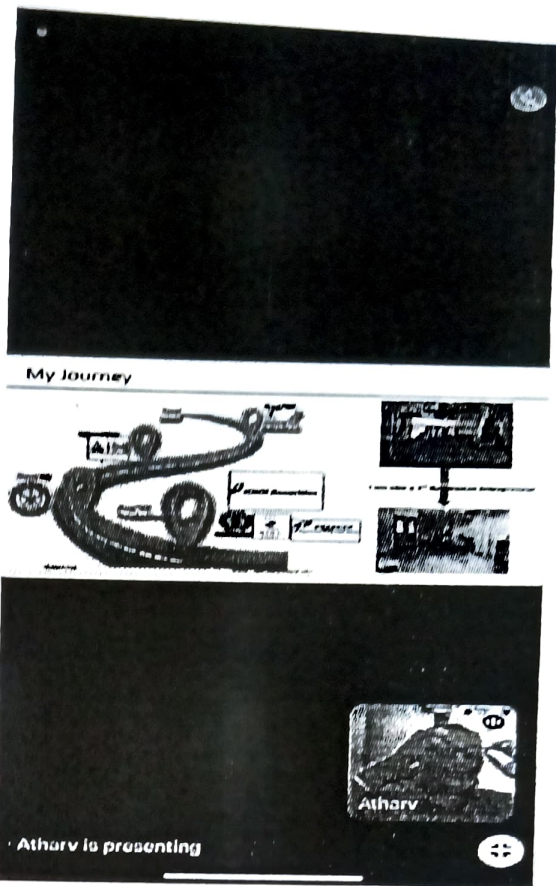
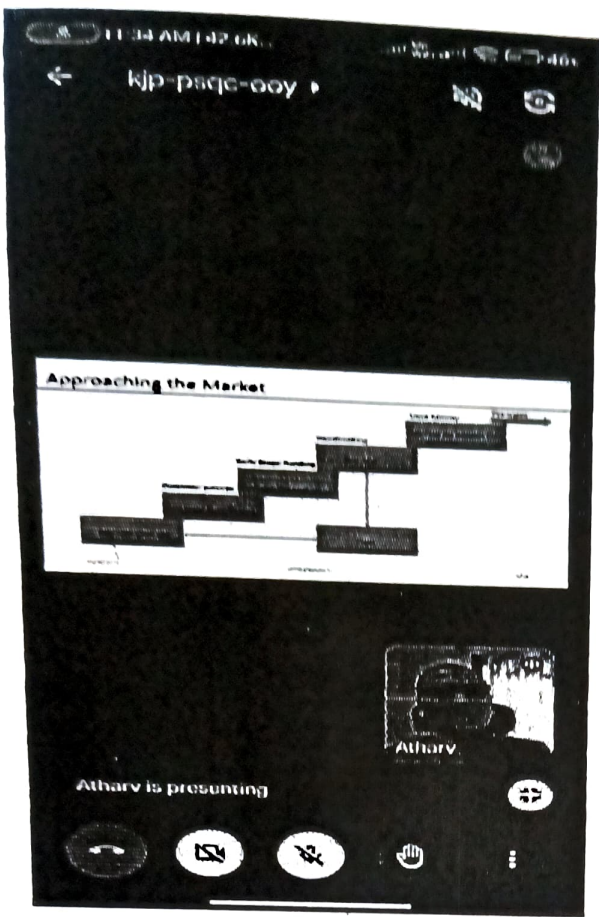
1. Own Entrepreneurship journey
2. Career opportunities in this field
3. Funding scheme from government of India for business Ideas e.g. of Nidhi-Prayas, Nidhi-EIR, Meity-grant, Meity-EIR, etc.
4. Comparison of Entrepreneurship with Government Job-Success ratio, Advantages, Disadvantages
5. Current status of Entrepreneur in Industry.

- **Participants**

With the students of Second, Third and Final Year B.Tech Petrochemical & Chemical Engineering. This webinar was also attended by the faculties of Petrochemical Engineering Department.


Dr. Sangeeta Matkar

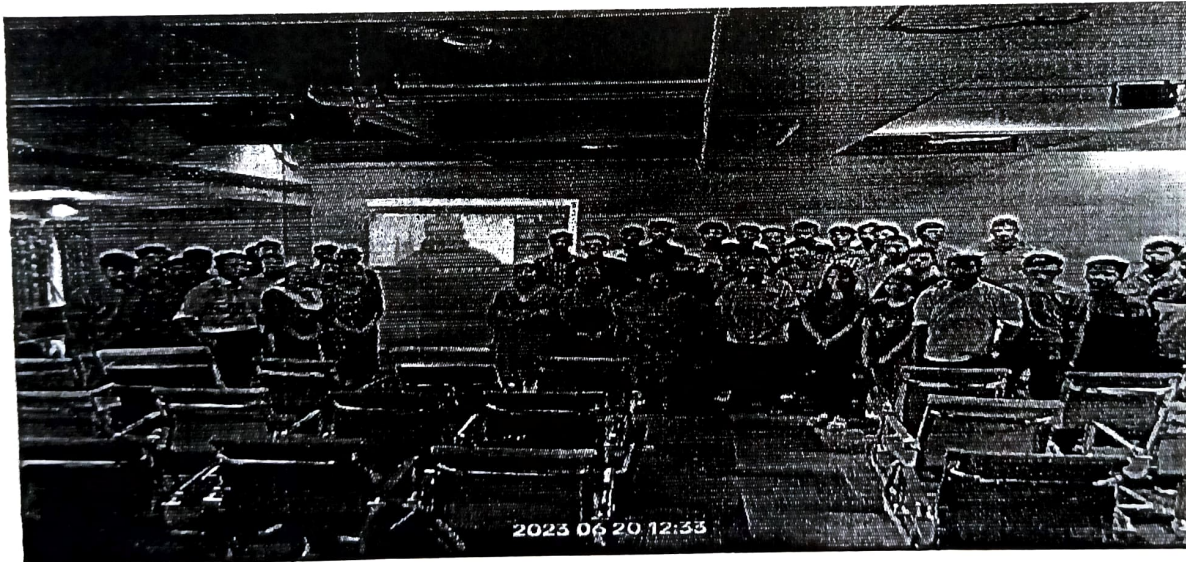
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS. India



Sangeeta Matkar
Dr. Sangeeta Matkar
 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere, Raigad - 421023, MS, India

People	Information	Activities
Ajay Katore	🔇	👤
Amar Nilegave 7009	🔇	👤
Anis Kawlekar	🔇	👤
Atharv patankar	🔇	👤
Atharv patankar (Pr...	🔇	👤
Ayush_Ash	🔇	👤
Hritik Khandagale	🔇	👤
Lumbinee Bansode	🔇	👤
Nitish Maske	🔇	👤
Pankhudi Kumbhare	🔇	👤
Patil Prajakta	🔇	👤
PRANIT	🔇	👤
prathmesh dombe	🔇	👤
Radha Katore	🔇	👤
Rohan Dhawale	🔇	👤

People	Information	Activities
Kanchan Nazare	🔇	👤
Meeting host	🔇	👤
20-7005Ritik Bhost...	🔇	👤
20-7023 SAHIL CH...	🔇	👤
AKASH AGLAVE	🔇	👤
Akshay Koli	🔇	👤
Amar Nilegave 7009	🔇	👤
Atharv patankar	🔇	👤
Ayush_Ash	🔇	👤
Hritik Khandagale	🔇	👤
Lumbinee Bansode	🔇	👤
Nirupam Bagle	🔇	👤
PRANIT	🔇	👤
Prashant Kirave	🔇	👤
siddhant bhaware	🔇	👤
Vishwajeet Shinde	🔇	👤



K. Nazare

Prof. Kanchan P. Nazare

Faculty Coordinator

S. S. Metkar

Dr. S. S. Metkar

Head, Department of Petrochemical Engineering

S. Sangeeta Metkar
 Dr. Sangeeta Metkar
 Head

Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere Raigad - 402103 MS, India

Inoering
 University
 India

A
Report
on
“AutoCAD Design Software:Workshop”

Organized

by



Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University Lonere
Academic Year 2022- 2023

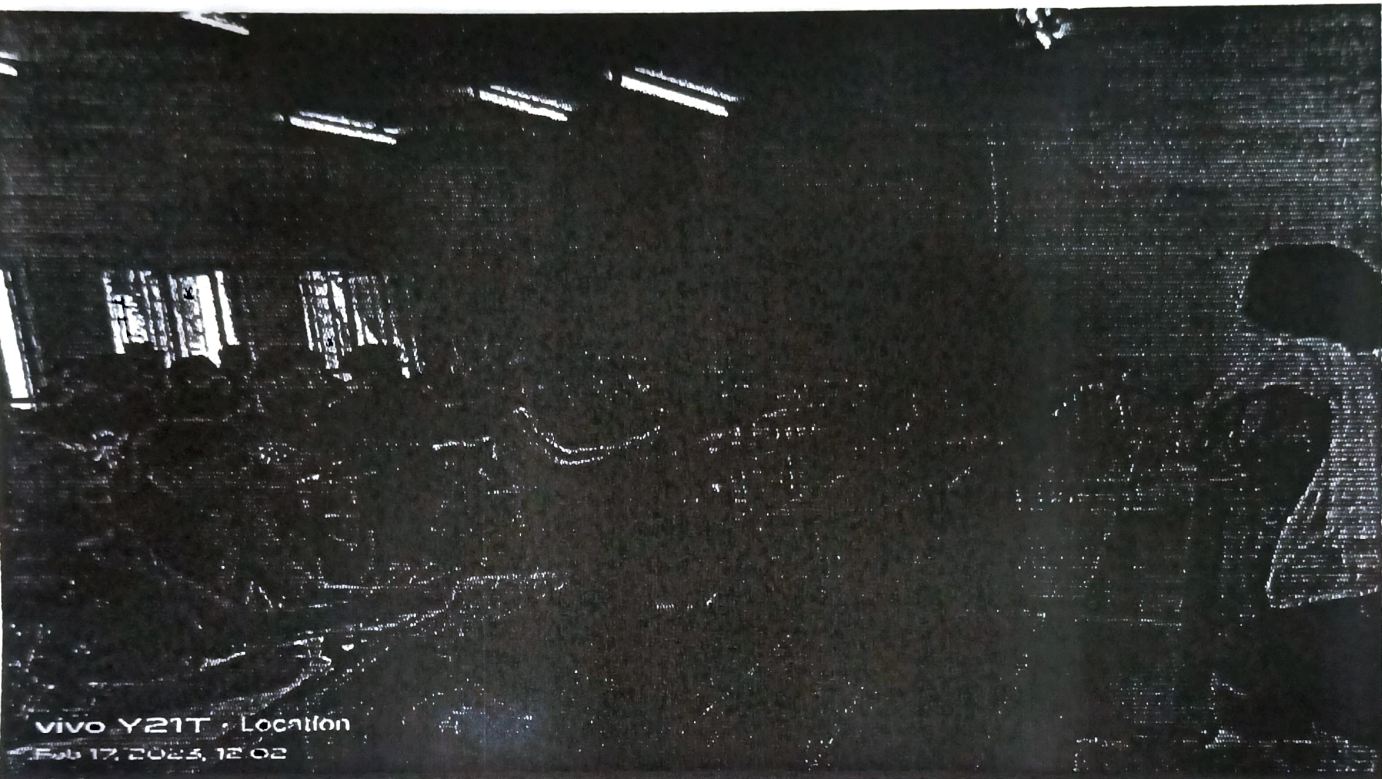
Date: 15 February 2023 to 15 March 2023

Target Audience: Final Year Petrochemical B. Tech Students.

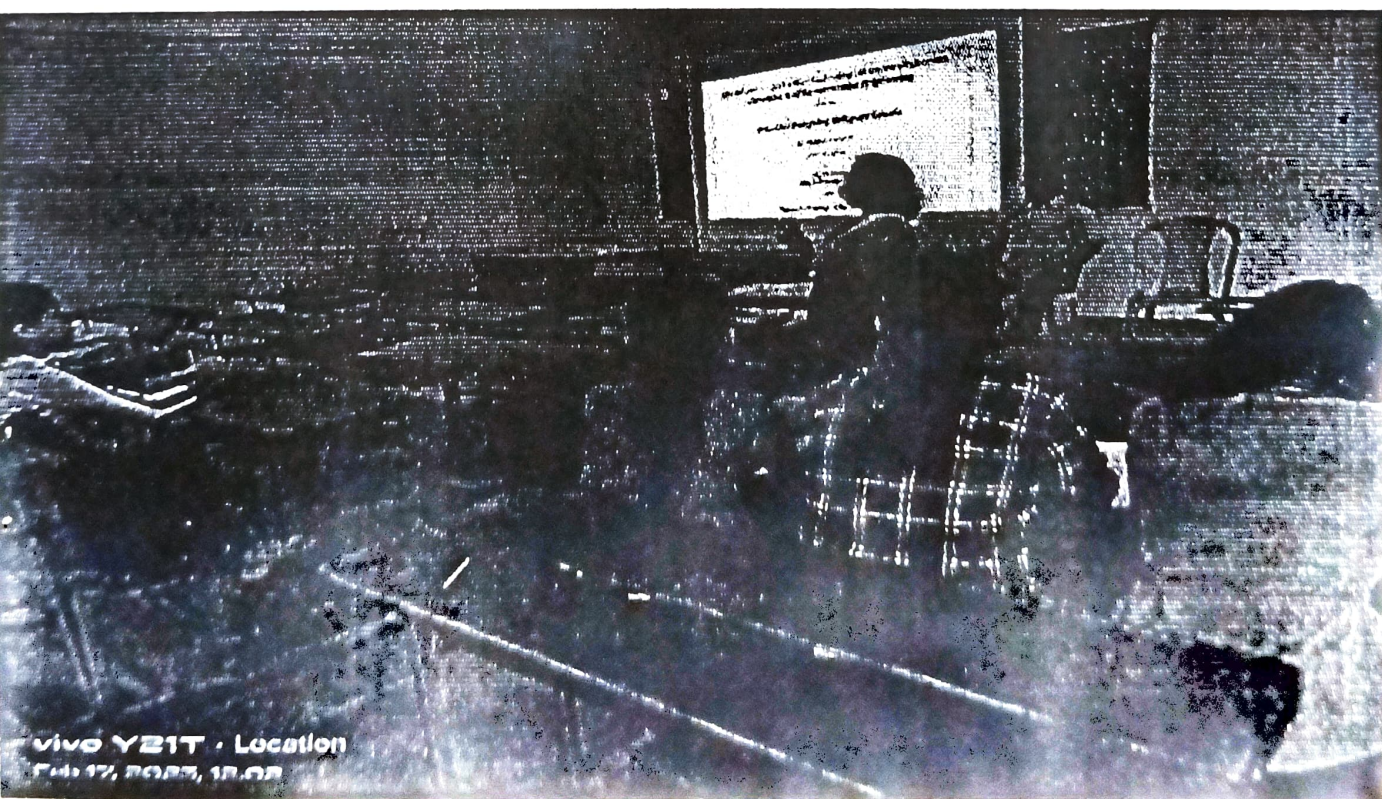
Faculty Coordinators: Dr.S.S. Metkar & Prof. K.P. Nazare.

Sangeeta Metkar
Dr. Sangeeta Metkar
Head

As a part of curriculum, online course training program forms an important component in our academic schedule apart from academic activities. Department of Petrochemical Engineering arranged Offline-Online mode AutoCAD-Design training workshop for the third and final year students from 15th February 2023 to 15th March 2023 .After completing Administrative formalities , inauguration of respective course training started through offline and online mode itself.

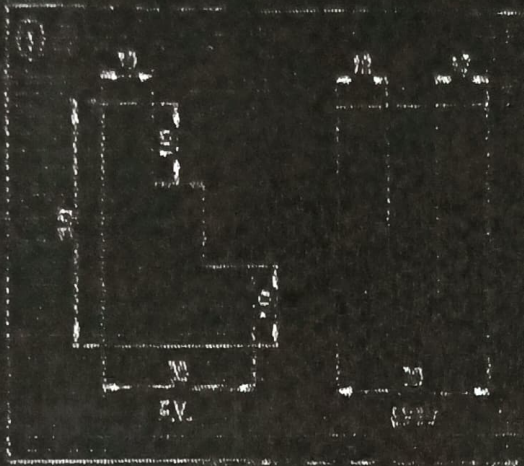


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2D DESIGNS (ORTHOGRAPHIC VIEW)



FIRST ANGLE METHOD

ALL DIMENSIONS ARE IN MM



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Wiley

ISBN 978-0-7017-1000-0

Introduction About AutoCAD

AutoCAD is the original CAD software used by millions around the world. It can be used to create precise 2D, 3D drawings and models, as well as chemical and electrical diagrams, construction drawings, and more. AutoCAD is an important skill when pursuing jobs in architecture, interior design, drafting. Learning of AutoCAD will give solid foundation to master other design applications; All other CAD software is modelled after its interface.

List of Students

Sr. No.	Enrollment Number	Full Name
1	1930331527001	UKARDE SOHAM RAMAKANT
2	1930331527003	GURAV ANUSHKA MANGESH
3	1930331527004	MANDAVKAR VEDANT VIJAY
4	1930331527006	SHERMALE TUSHAR ANNASAHEB
5	1930331527011	SURYVANSHI DEVENDRA SANJAY
6	1930331527013	TELANGHE SIDDHESH SACHIN
7	1930331527015	TAKEY HUZAIFA HUSAIN
8	1930331527017	PRITHVIRAJ AJIT GHONGADE
9	1930331527019	SASANE SURAJ RAJU
10	1930331527029	KUDUPKAR SAIBAJ SHAHANAVAJ
11	1930331527038	SANIKA SANJAY RAJGURU
12	1930331527040	JITKAR PRATIK ASHOK
13	1930331527041	SYED HUZAIFA SYED IKRAMUDDIN
14	1930331527042	LANDGE MONIKA PADMAKAR

Sr. No.	Enrollment Number	Full Name
15	1930331527043	KARPE ROSHAN BADSHAHA
16	1930331527045	KHANDAGALE HRITIK JITENDRA
17	1930331527046	DARADE RANJIT SHANTARAM
18	1930331527047	SANGLE AKANKSHA ASHOK
19	1930331527048	SOMEWAD KUNDAN DATTATRAY
20	1930331527053	NIMJE SHREYA PRASHANT
21	1930331527062	ANSARI MOHD USAMA AZAM
22	2030331527001	MANNAN MUSTAFA SHAIKH
23	2030331527002	KARNEKAR OMKAR TUKARAM
24	2030331527003	MAWALE PRATHMESH SUNIL
25	2030331527004	MASKE NITISH DADASAHEB
26	2030331527005	BHOSTEKAR RITIK ROHIDAS
27	2030331527006	TEMBE SHEKHAR SHIVAJI
28	2030331527007	KATORE RADHA PANDURANGJI

S. Netkar
Dr. Sangeeta Netkar
Head
Department of Polymer Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Rajgad - 422103 MS, India

Sr. No.	Enrollment Number	Full Name
29	2030331527008	BHADVALKAR PRIYA DAGDU
30	2030331527009	BADGIRE ANAND SATISH
31	2030331527010	DEVGIRE SAGAR SUDHAKAR
32	2030331527012	THOMBARE ABHISHEK KISHOR
33	2030331527013	JADHAV AJIT DADASO
34	2030331527014	DHANAWADE PRANIT GOVIND
35	2030331527015	KUMBHARE PANKHORI RAM
36	2030331527016	WAGHMARE AKSHAY DAGADU
37	2030331527017	RAUT PRAPHULL SHASHIKANT
38	2030331527018	SOLKAR MUSAB KHALID
39	2030331527019	GIRADKAR POONAM JITENDRA
40	2030331527020	TEMBE PRATHAMESH D.
41	2030331527021	SHILIMKAR ATHARVA PRAVIN
42	2030331527022	BHANDVALE OMKAR NAVNATH
43	2030331527023	CHAVAN SAHIL SANDIP
44	PRN:10303320171152710075	SAAD MOMIN RAFIK

A. S. Meekar

Dr. Sangeeta Meekar
Head
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Laxmi Naga Raigad - 422103 MS, India

Assignment Work during AutoCAD Workshop

Assignment No.01

The topics that will be covered in this course will be

1. History

- 2D (Orthographic Projection)
- 3D (Isometric Projection)
- Technical Designs
- Free Hand Designs

2. Selection Method: -

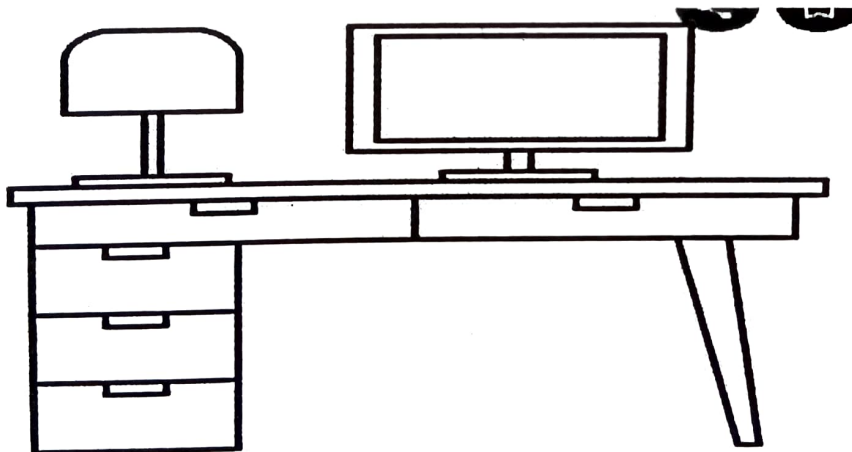
- Direct Select Method
- Left to Right
- Right to Left

3. Grips

4. Selection Command

Assignment No.02

Draw 2D diagram



Sangeta Motkar
Dr. Sangeta Motkar
Head
Department of Electrical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS. India

Assignment No.03

Draw given 5 2D designs in MM, CM, Inch, Feet & Meter scale with proper dimension technique.

- Unit Setup - un + enter
- Linear Settings- Annotations
- Dimension Style Manager Settings - D + enter
- √ Lines, Symbols & Arrows, Text settings, Primary Units--Set up
- Draw Commands...
- Modify Commands...
- Calculate Length, B/W & Height

Assignment No.04

- Draw any 10 Symbols

- | | | |
|---------------------|---------------------|-----------------|
| 1) Centrifugal Pump | 10) Screen | 19) Turbine |
| 2) Fan | 11) Clarifier | 20) Vacuum pump |
| 3) Blower | 12) Vapour | 21) Rotameter |
| 4) Propeller | 13) Flash Drum | 22) Diaphragm |
| 5) Valve | 14) Cooling Tower | 23) Orifice |
| 6) Compressor | 15) Kettle | 24) Plug |
| 7) Evaporator | 16) Gate valve | 25) Valve |
| 8) Tower | 17) Butterfly valve | |
| 9) Filter | 18) Needle valve | |

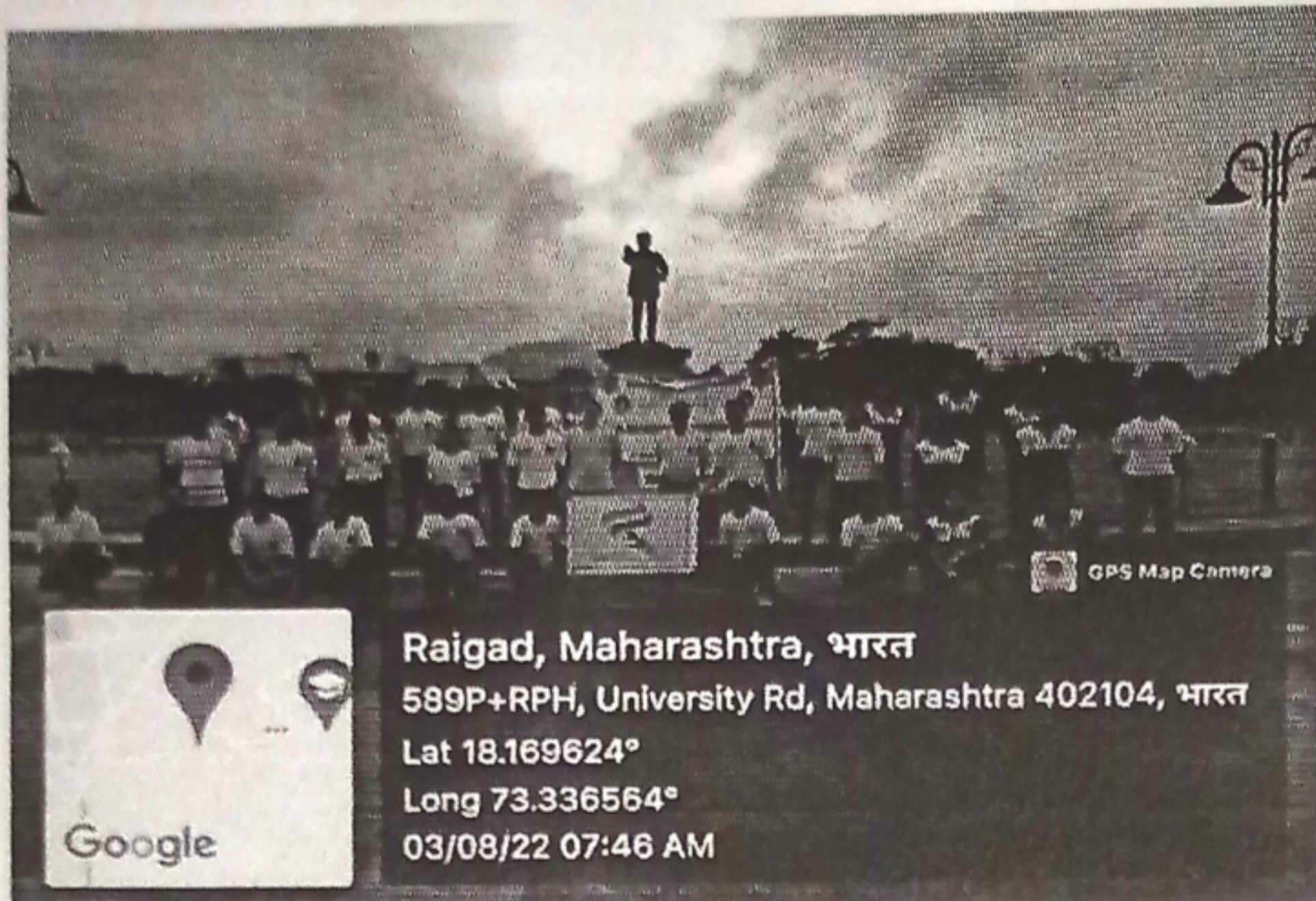
Anetkar
Dr. Sanghvi Mithar
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 419 03 MS, India

5.1.3 Following Capacity development and skills enhancement initiatives are taken by the institution

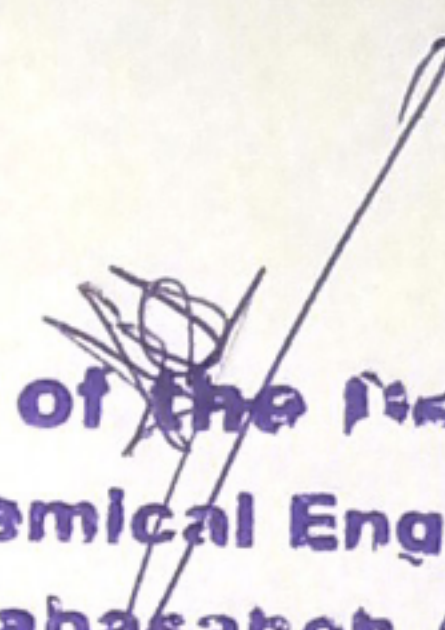
1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
Guest Lecture	5th June 2023	130	Mr. Shashikant Khopade
ASPEN Workshop	01/06/2023 to 02/06/2023.	65	Prof Shital jadhav
International Yoga Day Celebration	21st June 2022	60	Hon. Vice Chancellor Dr. Karbhari Kale Sir, other faculty of our university
Bicycle Rally		50	
GUEST VISIT	3rd Mar. 2023	60	, Rear Admiral sir Ashish Kulkarni
Guest Lecture		30	Lt. Col. Anjan K Sinha
Blood Donation Camp	31st May 2022	60	
Guest Lecture	1st December 2023	70	Mr. Rupesh Khot

Guest Lecture



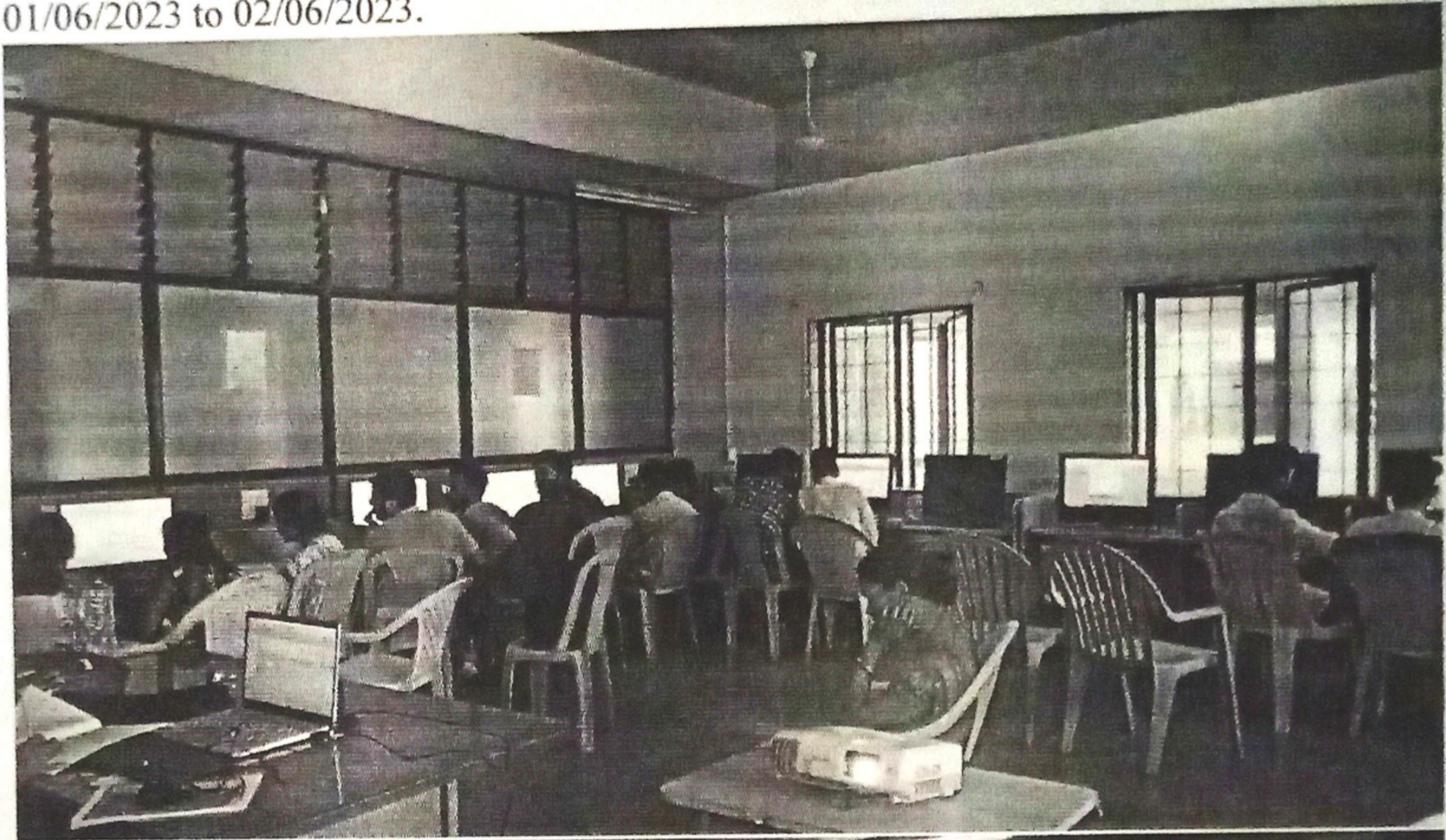
DBATU NCC UNIT arranged the guest lecture of Alumni of IIM Ahmedabad. The guest was Lt. Col. Anjan K Sinha . He motivated and guided cadets towards Civil Service and Defence examinations.


Head of the Department
Chemical Engineering
Dr. Babasaheb Ambedkar
Technological University Lonere
Dist-Raigad, Maharashtra 402103


REGISTRAR
Dr. Babasaheb Ambedkar Technological University.
LONERE 402 103.
Tal Mangaon, Dist. Raigad, (Maharashtra)

ASPEN Workshop:-

A workshop regarding ASPEN Software was conducted in the Department of Chemical Engineering for the students of T.Y.B.Tech. in the duration from 01/06/2023 to 02/06/2023.

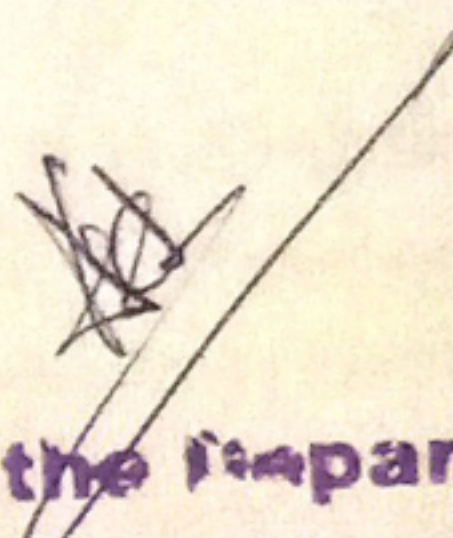


Head of the Department
Chemical Engineering
Dr. Babasaheb Ambedkar
Technological University, Lavare
Dist-Raigad, Maharashtra 402103

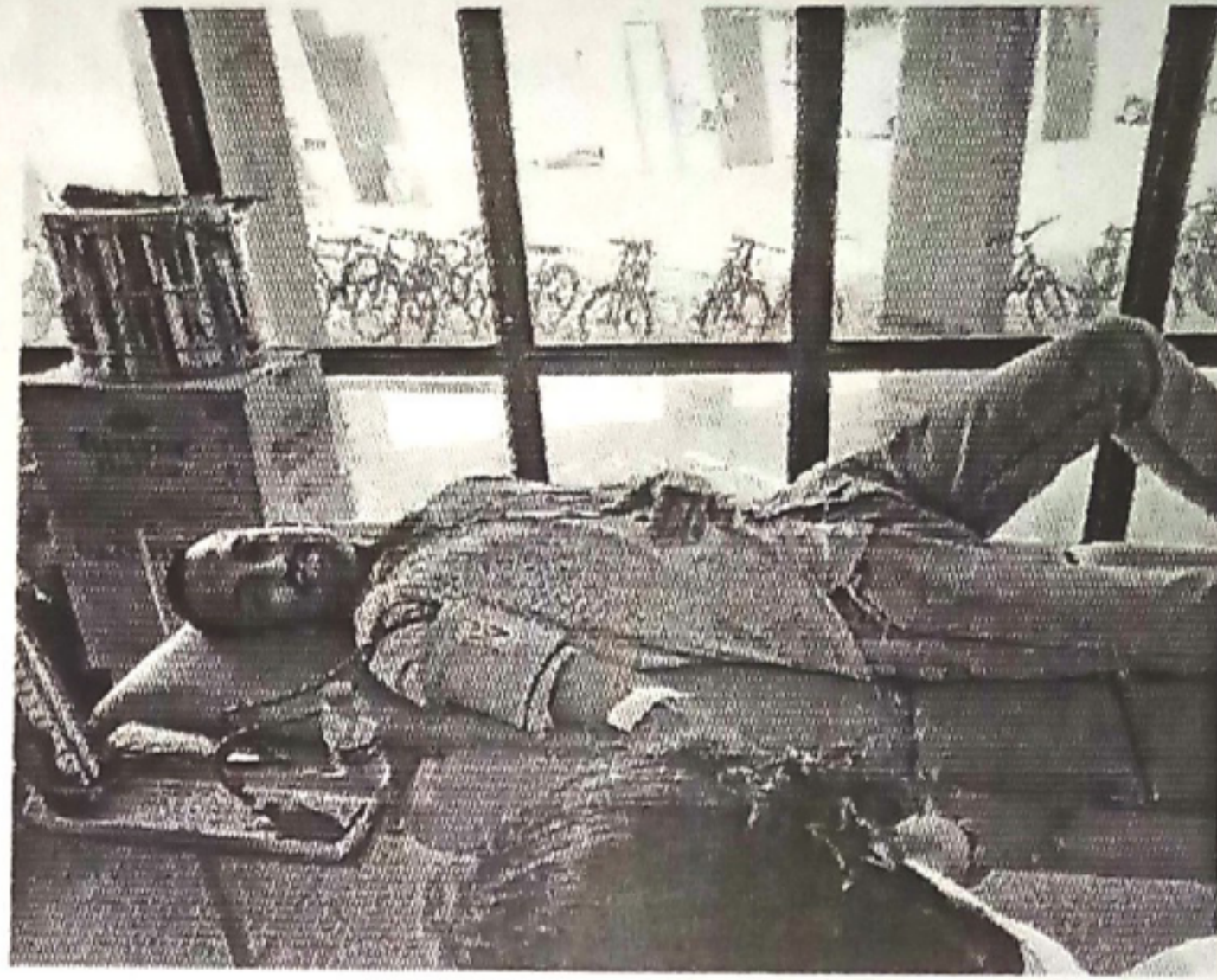
Bicycle Rally

On the occasion of world bicycle day DBATU NCC Unit organises Bycycle Rally of 10 Km. More than 100 cadets 6 MAH BN from throught the Mumbai region had participated and students were participated.





Head of the Department
Chemical Engineering
Dr. Babasaheb Ambedkar
Technological University, Unisore
Dist-Raigad, Maharashtra 402103

Blood Donation Camp



It is said "A single pint can save three lives, a single gesture can create a million smiles". As a part of social service, Blood Donation Camp with the help of J.J. hospital staff on 31st May 2022. Around 207 donations were made by this Campaign.


Head of the Department
Chemical Engineering
Dr. Babasaheb Ambedkar
Technological University, Unnao
Dist-Raigarh, Maharashtra 402103

Guest Lecture:-

The Department of Chemical Engineering arranged a guest Lecture for their Students which was held in 5th June 2023. The Name of the expert was Mr. Shashikant Khopade.



Head of the Department
Chemical Engineering
Dr. Babasaheb Ambedkar
Technological University, Laxare
Dist-Raigad, Maharashtra 402103


GUEST VISIT



On 3rd Mar. 2023, Rear Admiral sir Ashish Kulkarni VSM visited DBATU, Lonere,

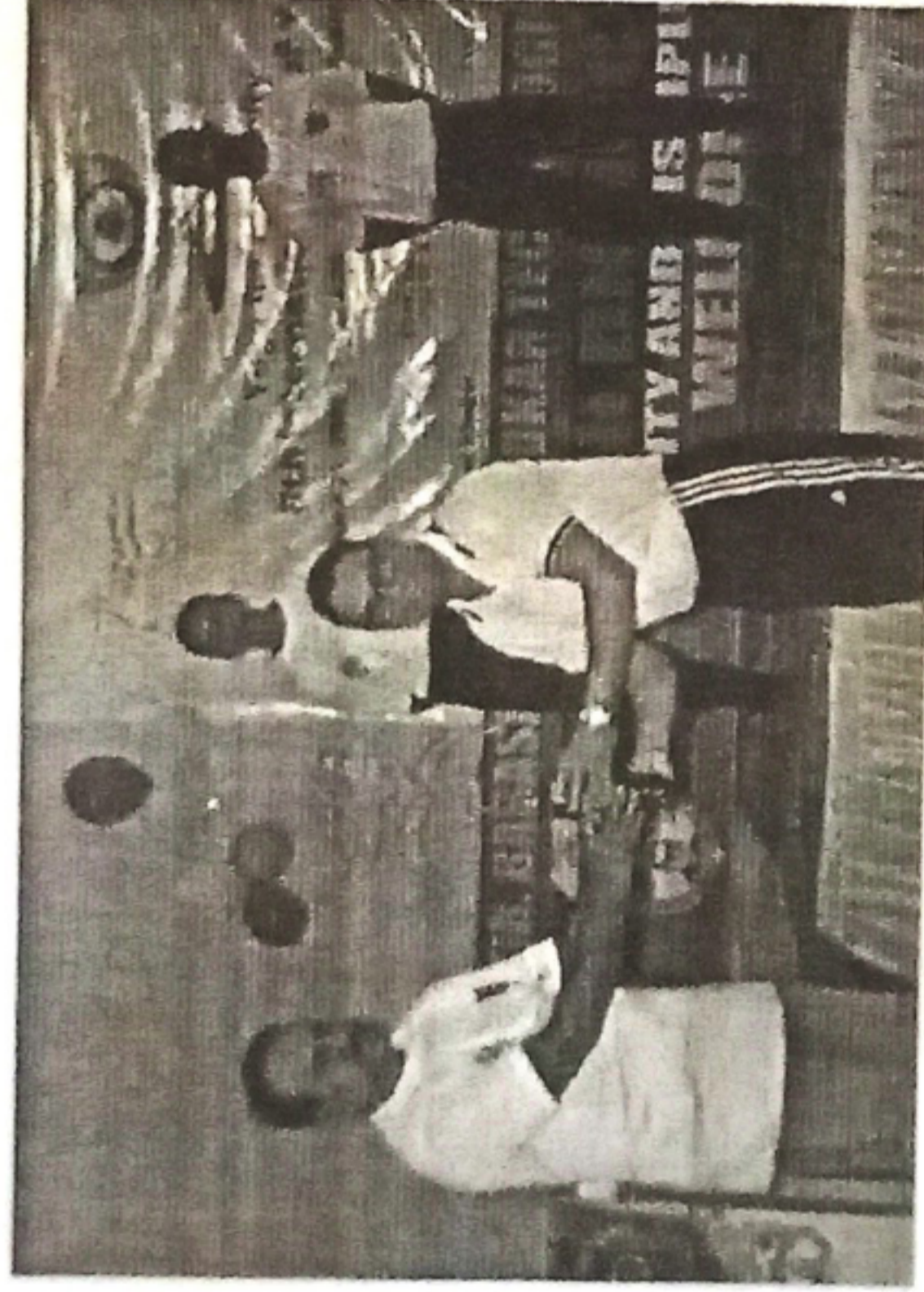
His purpose of visit was to create awareness about the various jobs in Indian Navy.

The event was concluded with Guard of Honour to sir and by holding a conference meeting.


Head of the Department
Chemical Engineering
Dr. Babasaheb Ambedkar
Technological University, Lonere
Dist-Raigad, Maharashtra 402103

International Yoga Day Celebration

As per the guidelines of the government of India, Our University celebrated International Yoga Day on 21st June 2022 on behalf of DBATU NCC UNIT. Hon. Vice Chancellor Dr. Karbhari Kale Sir, other faculty of our university and students perform Yoga actively.



Head of the Department

Chemical Engineering

Dr. Babasaheb Arshinkar

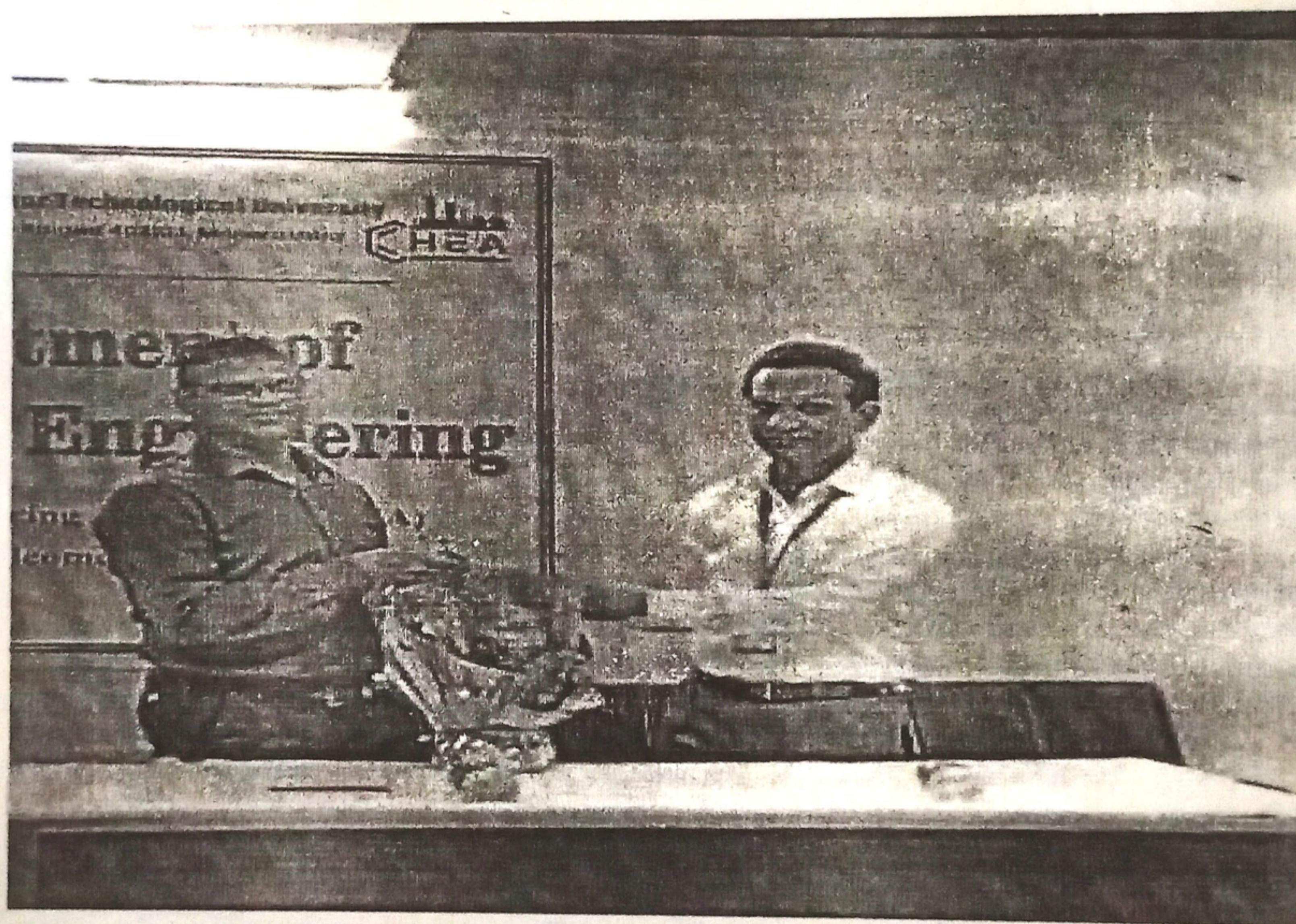
Technological Education University, Warananagar

Dist-Raygud, Maharashtra 402103

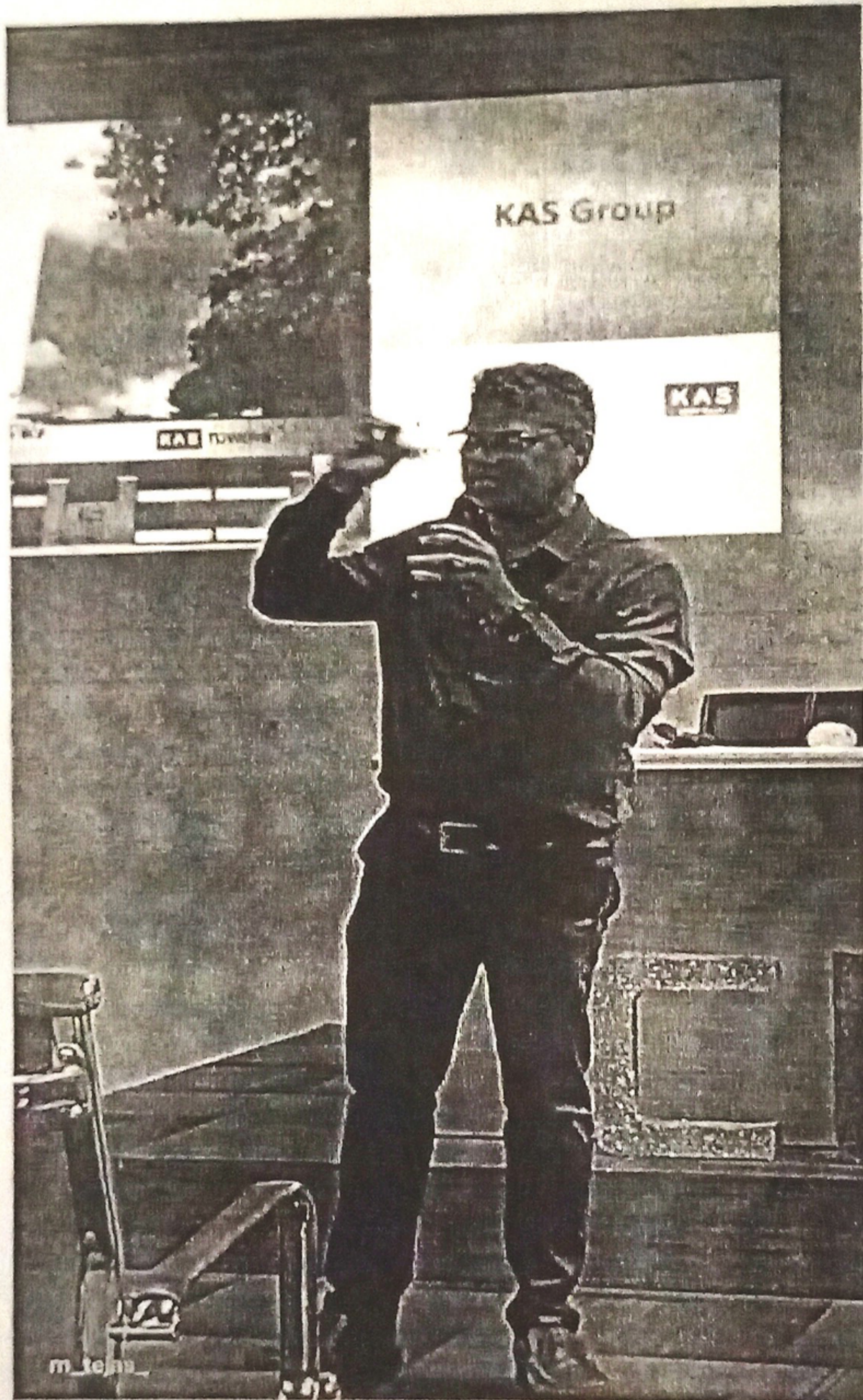
05. Guest Lecture

On 1st December 2023, our CHEA department organized a Guest Lecture. On this day, Mr. Rupesh Khot, the Promoting Director of UHP Technologies Pvt. Ltd. was invited as a chief guest. The faculty team of our department is also present for the program. Our Head of Department Dr. A.R. Chavan felicitated Mr. Rupesh Khot and the Lecture began.

The chief guest talked on Process Industries: Present and Future Scenario and Scope of Entrepreneurship and gives his work experience in chemical process industries. He is interested to listen our questions and problems regarding to his topic and gives tips how to overcome that problems. lecture was held in conference hall.



AR



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Department activities and photos:





Activity-Department of Civil Engineering organized World Environmental Day -Tree Plantation in DBATU Campus, (Dt. 05/06/2022)

Dr. Sachin M. Pore
B.E. (Civil), M.E. (Structures)
Ph.D. (Structural Dynamics-Earthquake Engineering)
Professor & Head, Department of Civil Engineering
Dr. Babasaheb Ambedkar Technological University
LONERE - 402 103 (M. S. INDIA) - -




Activity- Department of Civil Engineering organized **Guest lecture on AutoCAD** by **Anita Shelar** Dt. 15/11/2022


**Dr. BABASAHEB AMBEDKAR
TECHNOLOGICAL UNIVERSITY
LONERE**




SEMINAR

06 DEC 2022
 2:00 PM - 3:30 PM

**A Guidance Program
on Career Opportunities after B.Tech.**


 Organized for:
Civil Engineering

Organized by:
Dr. S. R. Bhagat sir
100% Cap Engineering, 100%
D. S. P. & S. P. S. P.
100% Experience, 100% Experience, 100%

In Association with



Mr. Shankar Wadne, 100% Faculty ACE Engineering Academy

www.dbatu.ac.in




Activity- Department of Civil Engineering organized A guidance program on **Career opportunities after B. Tech.** Mr. Shankar Wadne (ACE Engg Academy) Dt.(06/12/2022)


Dr. Sachin M. Pore
 B.E. (Civil), M.E. (Structures)
 Ph.D. (Structural Dynamics-Earthquake Engineering)
 Professor & Head, Department of Civil Engineering
 Dr. Babasaheb Ambedkar Technological University
 LONERE, 402104, M.S. INDIA



Activity- Department of Civil Engineering organized Technical session on “**Career opportunities for Civil Engineers after B. Tech and Project Management and Consultancy**” by Mr. Amit Chaudhri, Nashik, Dt.29/12/2022


Dr. Sachin M. Pore
B.E. (Civil), M.E. (Structures)
Ph.D. (Structural Dynamics-Earthquake Engineering)
Professor & Head, Department of Civil Engineering
Dr. Babasaheb Ambedkar Technological University
LONERE - 402 103 (M. S. INDIA) - -



**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
MAHARASHTRA**

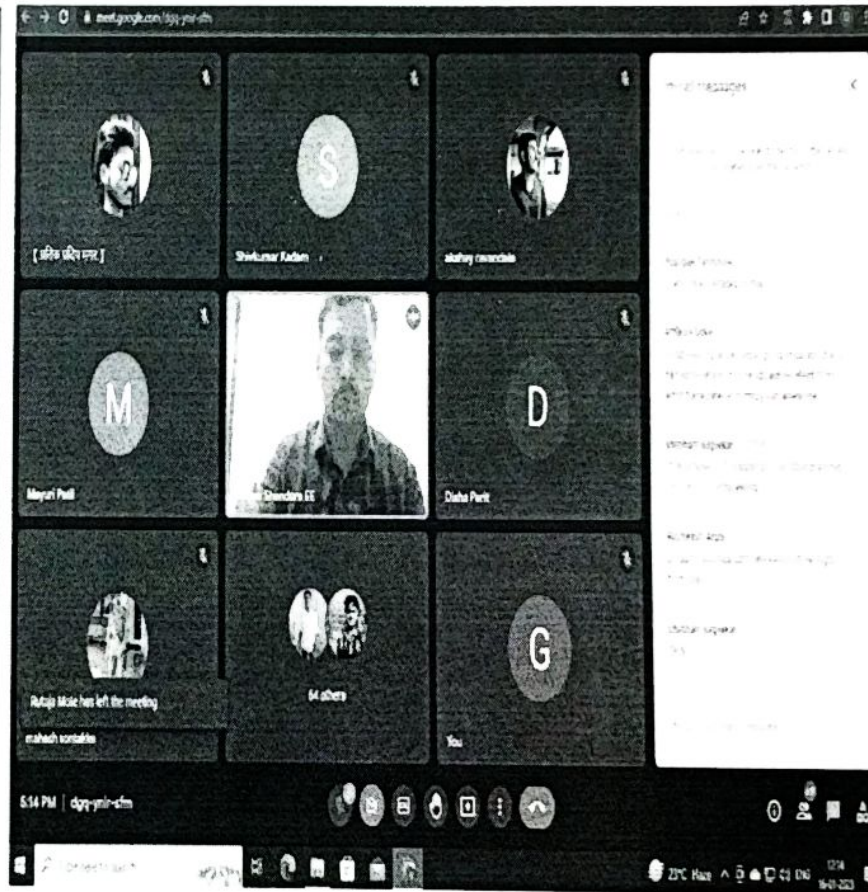
Department of Civil Engineering Organized Online & Offline Webinar on
"Golden Opportunities for Civil Engineers in Government Sector"

By **Dr. Ankur Shendure**
 Executive Engineer
 Water Resource Department, Pune, Govt. of Maharashtra



Google Meet joining info:- <https://meet.google.com/dgq-ynir-sfm>

Venue- Conference Hall, DBATU, Lonere
 Date- 14/01/2023
 Time- 4:00 pm



Activity- Department of Civil Engineering organized Webinar on **Golden opportunities for Civil Engineers after B. Tech in Government sector Dt.17/01/2023**

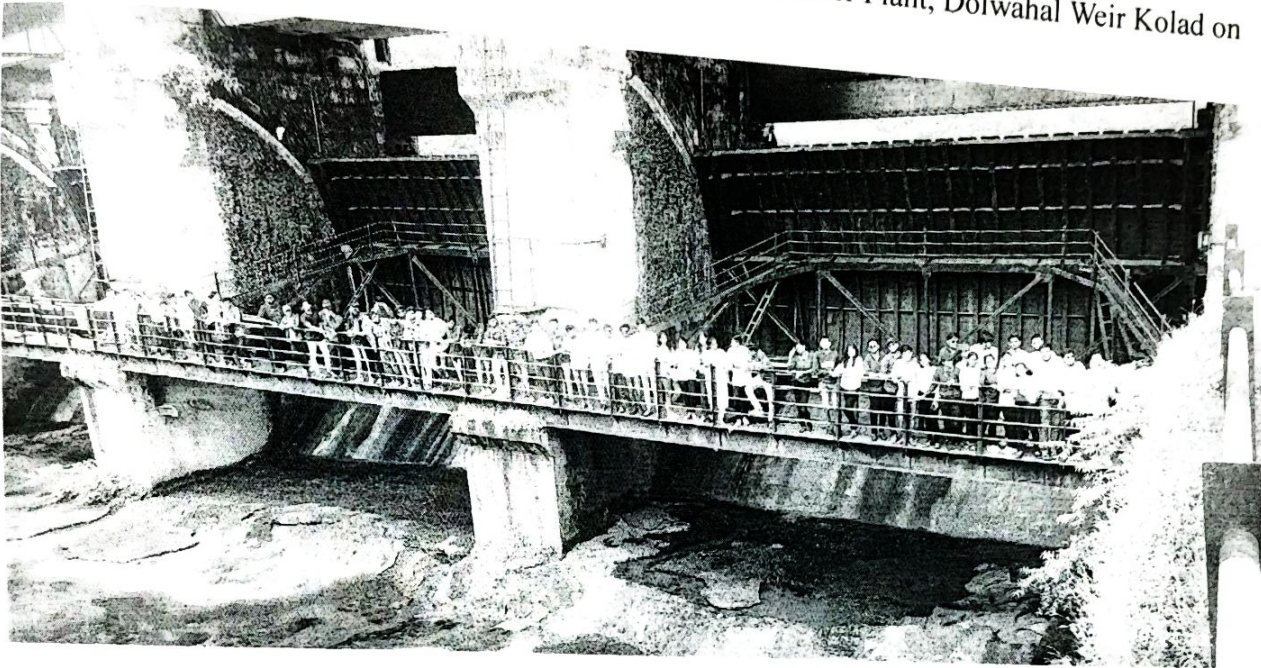



Dr. Sachin M. Puri
 B.E. (Civil), M.E. (Structures)
 Ph.D. (Structural Dynamics-Earthquake Engineering)
 Professor & Head, Department of Civil Engineering
 Dr. Babasaheb Ambedkar Technological University

Student's Visits:

Field Visit:

1. Field Visit to Rawalje Dam and Bhira Hydraulic Power Plant, Dolwahal Weir Kolad on September 24, 2022.



2. Field visit to the Kashedi Ghat tunnel in Poladpur on October 11, 2022.



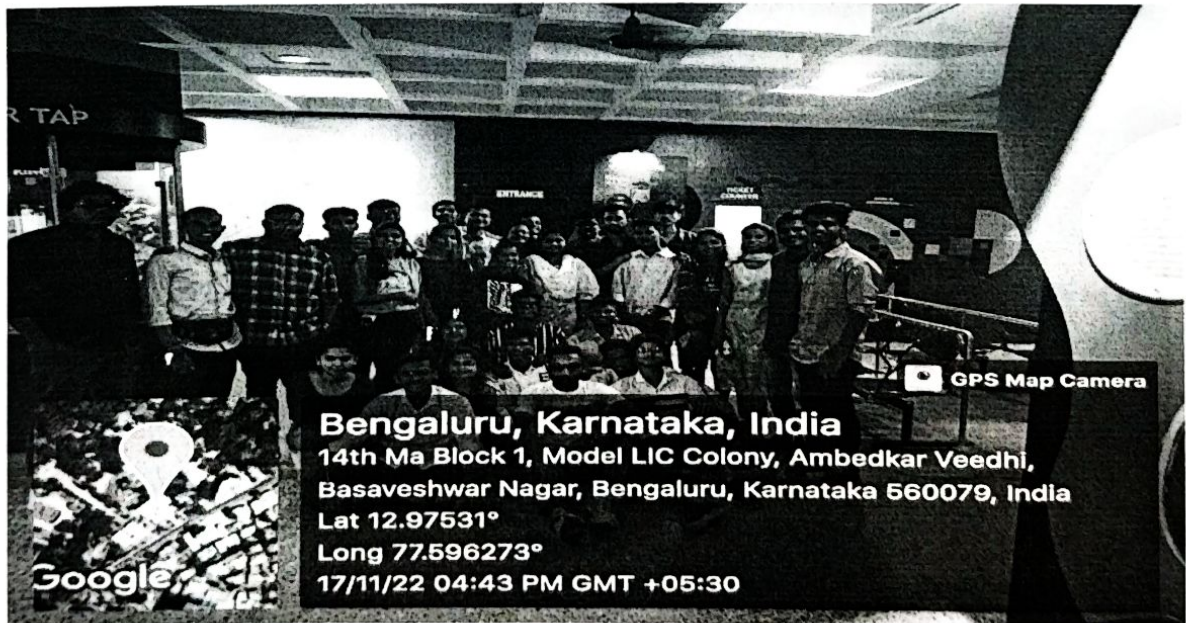
Dr. Babasaheb Ambekar

B.E. (CIVIL)
Ph.D. (Structural Dynamics-earthquake Engineering)
Professor & Head, Department of Civil Engineering
Dr. Babasaheb Ambekar Technological University
LONERE - 402 105 (INDIA)

3. Visit to Karnataka's ACC Cement Industry on November 19, 2022



4. Visit to U. R. Rao Satellite Research Centre, ISRO, Bengaluru, Karnataka on November 17, 2023.



SMP
Dr. Sachin M. Pore

B.E. (Civil), M.E. (Structures)
Ph.D. (Structural Dynamics-Earthquake Engineering)
Professor & Head, Department of Civil Engineering
Dr. Babasaheb Ambedkar Technological University

5.1.2 Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during

Year	Name of the Activity conducted by the HEI to offer guidance for competitive examinations offered by the institution during the year		Name of the Activity conducted by the HEI to offer guidance for career counselling offered by the institution		Number of students placed through campus	Link to the relevant document
	Name of the Activity	Number of students attended / participated	Details of career course	Number of students attended / participated		
NIL	NIL	NIL	NIL	NIL	NIL	NIL



Head

Department of Electrical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere, Raigad - 402103

5.1.3 Following Capacity development and skills enhancement initiatives are taken by the institution

1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
NIL	NIL	NIL	NIL



Head

Department of Electrical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere, Raigad - 422403

5.1.3 Following Capacity development and skills enhancement initiatives are taken by the institution

1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of trends in technology

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)	Link to the relevant document
Softskill Development by Vishal Kharat	31-10-2023	60	CDC	https://docs.google.com/document/d/1g-uYZCWgswpqKjuzHCVbSn6veF4SPlaZ/edit?usp=drive_link&ouid=113018967329871849183&rtpof=true&sd=true
Common Aptitude Test 01	30-09-2023	45	CDC	https://docs.google.com/document/d/1nc5T vzG Kb8Ea02L_5XgxQSGr0r_umV2S/edit?usp=drive_link&ouid=113018967329871849183&rtpof=true&sd=true
Engineers Day Quiz Competetion	15-09-2023	40	Technical	https://docs.google.com/document/d/1hNCIInk_2AM2v5FtXj9vXwa9hSo0sdaFc/edit?usp=drive_link&ouid=113018967329871849183&rtpof=true&sd=true

Softskills Development

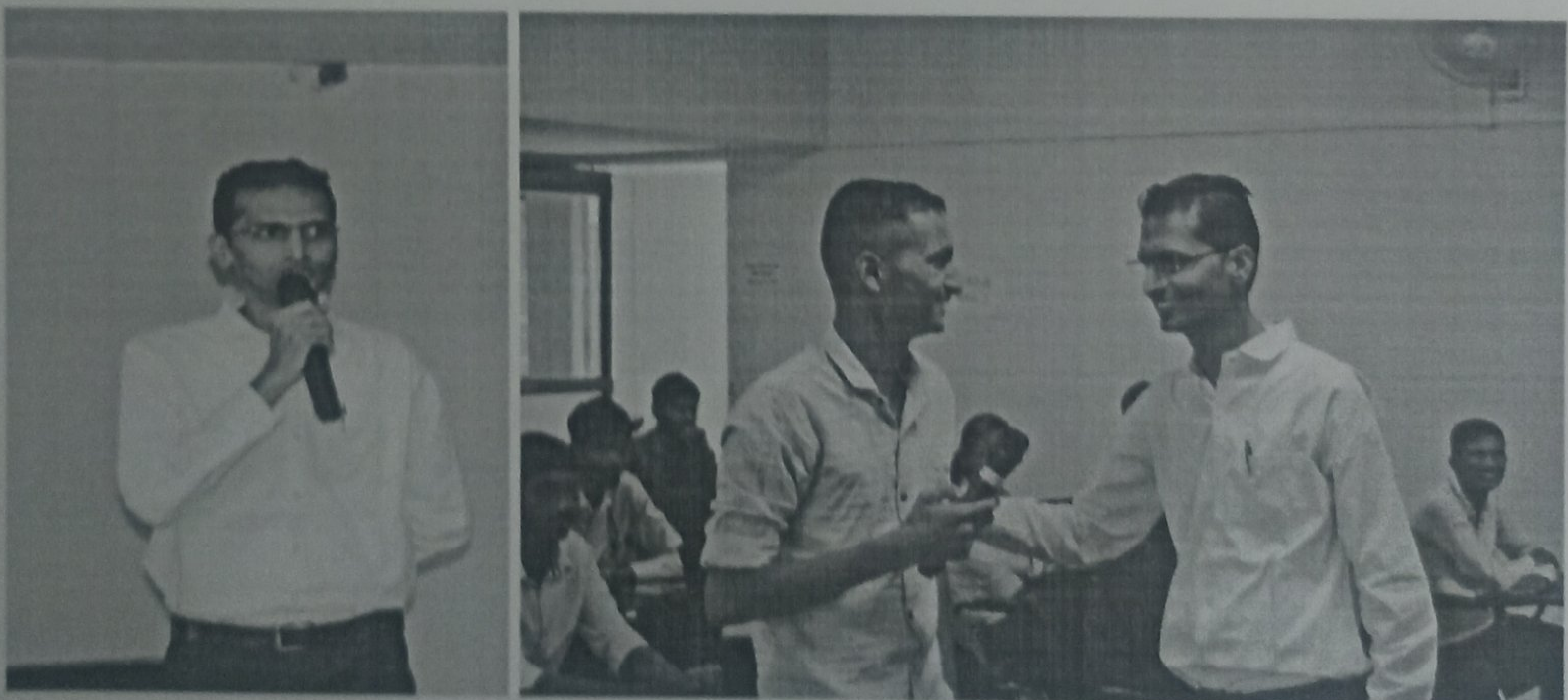
October 31st , 2023

On 31st October, we were blessed by the presence of DBATU Alumni Mr. Vishal Kharat (MBA Finance). The whole session was organized for the awareness among final year students about their placements and interview. In this session, Vishal sir questioned students on various parameters including how to face interviews, tactics of answering the questions asked by the panel, how to tackle the out of the box questions, etc.



This event was organised by TEESA's Training and Placement committee. The softskills development session commenced with an impressive gratitude and gesture as well as good interaction of students graced by the presence of faculty members, including Dr. Narendra Jadhav, Faculty Incharge TEESA , Dr. Sanjay Khobragade, Dr. S.M.Pore, Dean of R&D & Head of Civil Department, along with teaching staff from EXTC as well as Civil Department.

The program was successfully organized under the guidance of Dr. Sanjay Nalbalwar, Head of the Department.



Mr. Pratham Dubey, the President of the TEESA committee, had the privilege of felicitating Dr. Sanjay Khobragade sir, while Mr. Pranav Jagtap, the Training & Placement Coordinator of TEESA committee, felicitated Dr. N S Jadhav sir, and our special guest Mr. Vishal Kharat sir, while Miss. Sonali More, Cultural Coordinator of TEESA committee, felicitated Dr. S.M. Pore sir, the Dean of R&D & Head of the civil department. These gestures were a mark of respect and recognition for their invaluable contributions to the field of engineering. Dr. Sanjay Khobragade and Dr. N S Jadhav, Dr. S. M. Pore in their inspiring addresses, shared their insights and wisdom with the students. They highlighted the significance of interviews and emphasized the importance of knowledge in shaping the world.

Mr. Pranav Jagtap
Training & Placement
Coordinator, TEESA

Miss. Sejal Patil
Training & Placement
Coordinator, TEESA

Miss. Pranali Ghosalkar
Training & Placement
Coordinator, TEESA

Mr. Pratham
Dubey
President,
TEESA

Common Aptitude Test

September 30, 2023



The Common Aptitude Test, organized by TEESA, was held on September 30, 2023, from 11:00 AM to 12:00 PM. The test took place in two separate rooms, LH 104 and LH 105, with a total of 46 participants. This report provides an overview of the event, including its purpose, organization, and key observations.

The primary objective of the Common Aptitude Test was to assess the cognitive abilities and problem-solving skills of the participants. The test aimed to identify individuals with exceptional aptitude and potential for future academic or professional pursuits. TEESA organized this event to support educational and career development among the participants.

The test comprised multiple-choice questions and problem-solving exercises that spanned various domains, including mathematics, logical reasoning, and verbal comprehension. The content was designed to challenge participants' critical thinking and analytical skills.





The test was administered smoothly, thanks to the efforts of the organizing team. Test booklets and answer sheets were distributed promptly, and clear instructions were provided to the participants. The Result of the test will be displayed within span of 1 week.

Result: ■ Copy of Marks of Common Aptitude Test[1] marks[4].pdf

The event was smoothly handled by following committee members.

Pranali Ghosalkar,
Vinit Singh,

Sejal Patil,
Laukik Nirgun

Sahil Divekar,

Miss. Pranali Ghosalkar
T&P Coordinator

Miss. Sejal Patil
T&P Coordinator

Mr. Pratham Dubey
President

Dr. Babasaheb Ambedkar Technological University, Lonere
Department of Electronics and Telecommunication Engineering
Marks of Common Aptitude Test (TEESA CAT)

Date:- 2/10/2023

Sr. No.	Name	PRN	Marks
1	Samruddhi Naik	2030331372045	19
2	Aditya Tembe	2130331372062	18
3	Sagar Damami	2330331372020	17
4	Atharva Netake	2330331372025	17
5	Shrushti Sanap	2130331372065	17
6	Pranav Nikam	2130331372084	16
7	Sonali More	2030331372054	16
8	Avanti Patil	2130331372082	16
9	Sneha Aaher	2030331372053	15
10	Aboli Gawad	First Year	15
11	Shraddha Vishe	2130331372522	15
12	Sahil Akangire	2330331372047	14
13	Om Salunke	2030331372025	14
14	Sejal Tembe	2130331372081	14
15	Sapana Hambir	2130331372043	14
16	Tejaswi Shete	2130331372076	14
17	Harshada Patil	2130331372017	14
18	Sameer Parve	First Year	13
19	Apurv Kadam	First Year	13
20	Harshada Bhoilkar	2130331372041	13
21	Aditya Desai	2130331372032	13
22	Mahesh Kokane	2030331372016	13
23	Manthan Thakur	2130331372087	13
24	Yash Shepunde	2130331372069	12

25	Rohini Narwade	2130331372511	12
26	Maithili Patil	2130331372080	12
27	Sushant Rampure	2330331372048	12
28	Dattatrey Patil	2130331372020	12
29	Sagar Devade	2130331372010	12
30	Omkar Raut	2330331372023	12
31	Ammar Isane	2130331372063	11
32	Samiksha Dhepe	2030331372044	11
33	Kiran Jadhav	First Year	11
34	Sejal Saldur	2130331372090	11
35	Aditi Gaikwad	First Year	11
36	Arin Kamble	2130331372057	11
37	Adarsh Harbade	2130331372077	11
38	Sejal Mundhe	2130331372086	10
39	Soham Yewale	First Year	10
40	Sarthak Jadhav	2130331372039	09
41	Om Nagare	First Year	09
42	Nirjara Lahane	2130331372070	06
43	Sumedh Jadhao	2330331372059	06
44	Pratiksha Shinde	2130331372085	06
45	Aakansha Jamdar	2030331372001	06

Pranali Ghosalkar

Miss Pranali Ghosalkar
(TEESA T & P co-ordinator)

Sejal Patil

Miss Sejal Patil
(TEESA T & P coordinator)

Sahil Divekar

Mr. Sahil Divekar
(TEESA Technical Coordinator)

Pratham Dubey

Mr. Pratham Dubey
(TEESA President)

Engineers Day Celebration

September 15, 2023

Engineers' Day is celebrated in various countries around the world to honor the contributions of engineers to society. Engineers' Day in India is celebrated on September 15th every year. This date was chosen to honor the birth anniversary of Sir Mokshagundam Visvesvaraya, a renowned Indian engineer, scholar, and statesman who made significant contributions to engineering and infrastructure development in India.

Quiz competition on the occasion of Engineers Day



On Engineers' Day, TEESA organized an engaging and intellectually challenging quiz competition that united students from both the first and second years of the program. The quiz competition saw active participation from a total of 38 enthusiastic students. The primary goal of this event was to commemorate the essence of engineering and promote a spirit of friendly competition among all the participants.

The Engineers' Day Quiz Competition commenced with an impressive opening ceremony graced by the presence of faculty members, including Dr. Narendra Jadhav, Faculty Incharge, TEESA and Dr. Sanjay Khobragade, along with teaching staff and employees from the department. The program was successfully organized under the guidance of Dr. Sanjay Nalbalwar, Head of the Department.



Mr. Pratham Dubey, the President of the TEESA committee, had the privilege of felicitating Dr. Sanjay Khobragade sir, while Mr. Shobit Deogade, the Vice President of TEESA committee, felicitated Dr. N S Jadhav. These gestures were a mark of respect and recognition for their invaluable contributions to the field of engineering. Dr. Sanjay Khobragade and Dr. N S Jadhav, in their inspiring addresses, shared their insights and wisdom with the students. They highlighted the significance of Engineers' Day and emphasized the importance of engineering in shaping the world.

Quiz Competition and Winners:

The highly competitive quiz competition was divided into seven groups, each comprising five members. The spirit of rivalry was particularly intense between the first-year and second-year students.

Winner of the first price:

Priti Mohan Wadgane,
Aditi Ravindra Darokar
Sonali Vaibhav Niwate,

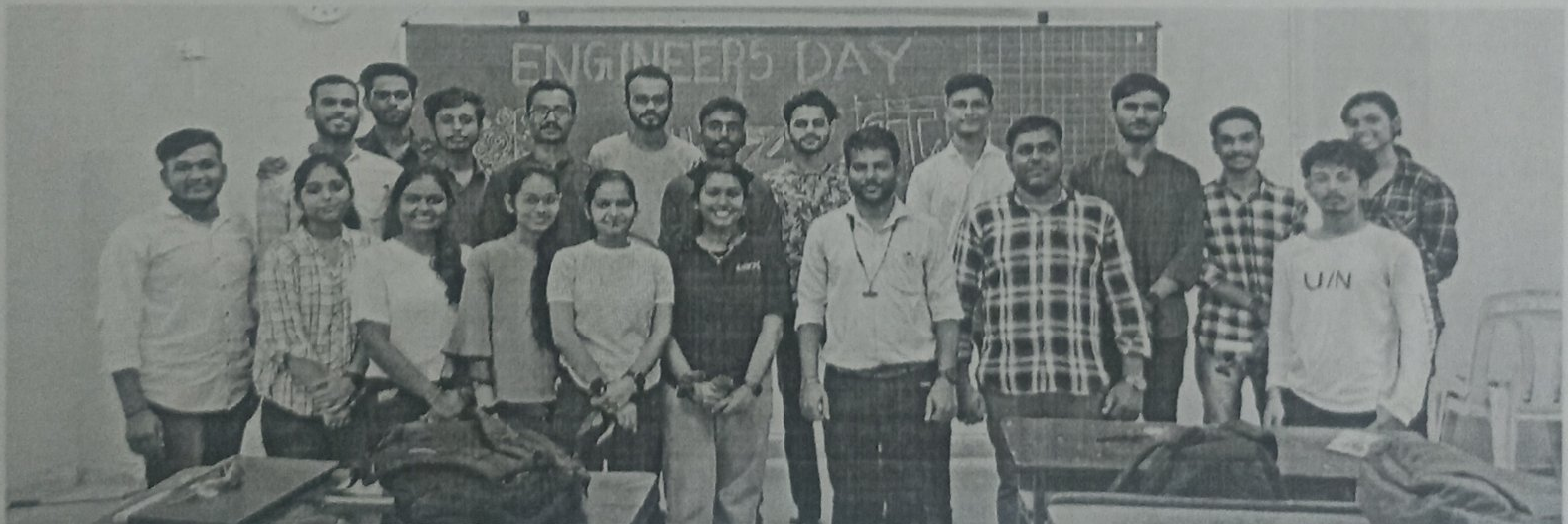
Aryan Ravindra Darokar
Tanmayee Ajay Bramhankar

Winner of the second price:

Kaustubh Manoj salunke
Sahil Uttam Akangire
Rushikesh Ramakant Bhujbal

Simran Dattatray Mhatre
Prerna Khadtar

Both winning groups were awarded certificates of achievement.



Mr. Sahil Divekar
Technical Coordinator

Laukik Nirgun,
Technical Coordinator

Mr. Pratham Dubey
President

Dr. Babasaheb Ambedkar Technological University, Lonere
DEPARTMENT OF INFORMATION TECHNOLOGY

Report on workshop

Title of the Workshop: Capital Market Awareness

Coordinators: Dr. S. M. Jadhav and Dr. V.J. Kadam

Speaker/ Expert: Prof (Dr) Raman Ballabh, RP IICA & CDSL (Ministry Of Corporate Affairs)

Session 1: Prof (Dr) Raman Ballabh

- Date and Time: October 6, 2022 | 11:30 AM to 12:45 PM
- Platform: Google Meet
- Webinar Link: meet.google.com/vve-woab-zyj

Key Highlights:

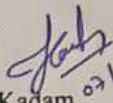
- The session began with a warm welcome from Prof (Dr) Raman Ballabh, Resource Person – IICA Ministry of Corporate Affairs (Govt of India) & CDSL.
- Participants were provided with valuable insights into the intricacies of the capital market, guided by the Investor Education & Protection Fund of India (Govt of India).
- Technical support was extended by CDSL, and the event was organized in collaboration with Dr. Babasaheb Ambedkar Technological University, Mumbai.
- The webinar aimed at spreading financial literacy, following the slogan 'An informed investor is a safe investor.'

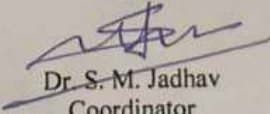
Session 2: Prof (Dr) Raman Ballabh

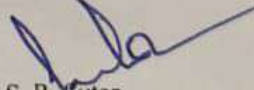
- Date and Time: October 6, 2022 02:30 PM to 05:30 PM
- Platform: Google Meet

Key Takeaways:

- The workshop, organized as part of the "World Investors Week," focused on financial planning, investment principles, and various tools available in the capital market.
- Participants gained insights into topics such as share markets, demat accounts, trading accounts, primary and secondary markets, depository, RTA, and other facets of the capital market industry.
- The event, offered free of cost as a government initiative, aimed at education empowerment and awareness.


Dr. V. J. Kadam
Coordinator


Dr. S. M. Jadhav
Coordinator


Dr. S. R. Sutar
Head, IT



6-1-3

CAT -

REPORT CDC CAT - I

DATE: - 31/3/2022

DEPARTMENT: - ALL

TOTAL NO. OF REGISTRATION: - 104

TOTAL NO. OF ATTENDES: - 28

TIME :- 5 PM TO 6 PM

TOPPER'S

- 1) Riddish Lichhade :20/30
- 2) Runal Yengantiwar:17/30
- 3) Aryan Yadav:15/30
- 4) Aditya Shitole:15/30






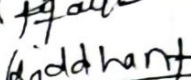

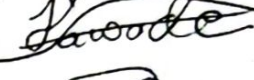

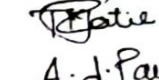
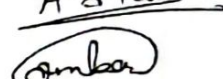
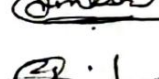
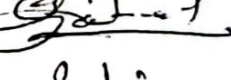
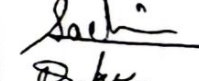
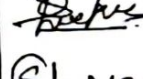
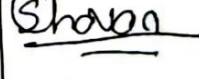

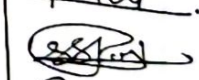
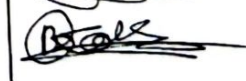


REGISTRAR

Dr. Babasaheb Ambedkar Technological University
LONE'S 402 103,
Tal (Mangron, Dist. Jalgaon, Maharashtra)

No.	Name	Year & Branch	Sign
29	Nandini Pawalekar	F.Y. EXTC	Nandini Pawalekar
30	Vansu Bhorkar	F.Y. EXTC (VLSI)	Vansu
34	Sonika Shinde	F.Y. EXTC (VLSI)	Sonika Vambekar
35	Vaishnavi Ambekar	F.Y. EXTC (VLSI)	Vaishnavi
36	Pratik Tembe	F.Y. EXTC (VLSI)	Pratik
37	Bhosle Yuvraj Deepakradd	F.Y. EXTC (VLSI)	Bhosle
38	Nimish Aniket Pahl	F.Y. EXTC (VLSI)	N.A. Pahl
39	Aditya Narayan Samsale	F.Y. EXTC	Aditya Ambekar
40	Yash Arun Tandekar	F.Y. EXTC	Yash
41	Nalabh Sonavane	F.Y. EXTC	Nalabh
42	Ayush Bhayade	F.Y. EXTC (VLSI)	Ayush
43	Deep Nilash Thak	F.Y. EXTC	Deep
44	Awaris J. Rawoot	F.Y. EXTC	Awaris Rawoot
45	Rishabh Sharma	F.Y. EXTC	Rishabh Sharma
46	vedant Khadkar	F.Y. EXTC	vedant
47	Ganesh Mule	T.Y. Petro	Ganesh
48	Prashant S. Kishore	T.Y. Petro	Prashant
49	Karan B. Rahane	T.Y. Petro	Karan Rahane
50	vishwajeet v. Shinde	T.Y. Petro	vishwajeet
51	Siddhant D. Bhawase	T.Y. Petro	Siddhant Bhawase
52	Sochin M. Kolekar	T.Y. Petro chem	Sochin
53	Rushikesh S. Gaikwad	F.Y. IT	Rushikesh
54	Soniya P. Datar	F.Y. IT	Soniya A.A. Datar
55	Atharva A. Datar	F.Y. I.T.	Atharva
56	Vaishnavi P. Keluskar	F.Y. I.T.	Vaishnavi
57	Vaishnavi v. Bokane	S.Y. I.T.	Vaishnavi
58	Pradip A. Labade	EXTC	Pradip
59	Nikhil Kumar C. Sontakke		Nikhil

Name	Year & Branch	Sign
Manasi Sonawane	I st year ENTC	Manasi
Arati Sharma	I st Year EXTC (B)	Arati
Vrishali Jadhav	II nd year (Comp)	Vrishali
Arati Zingurde	II nd year (Comp)	Zingurde
Shravani R. Borade	I st year (Comp)	Borade
Hadiya A. Chilwan	I st Year (Computers)	Hadiya
Masiba M. Ali. Harnekar	I st Year (I.T.)	Harnekar
Vaishnavi Vijay Hoide	2 nd year (EXTC)	Hoide
Shweta Lokhande	2 nd year (chem)	Lokhande
Neha Uttam Awchar	2 nd year (chemical)	Awchar
Vaishnavi K. Akhate	2 nd year (chemical)	Akhate
Mansi J. Ambaji	3 rd year (Petrochemical)	Mansi
Priyanka Yadav	I st Year EXTC (B)	Yadav
AIKA B. Sonkamble	1 st year EXTC (B)	Sonkamble
Komal T. Tidke	I st year EXTC (B)	Tidke
Sakshi S. Salunkhe	I st year EXTC (B)	Salunkhe
Pramila D. Pradhan	I st year EXTC (B)	Pradhan
Amruta V. Umap	I st yr EXTC (B)	Umap
Atheav Sukhdev Khune	I st yr EXTC (B)	Khune
Spandan H. Suryawanshi	I st year EXTC (B)	Suryawanshi
Rohit S. Godase	I st year EXTC (B)	Godase
Parth J. Lokhande	1 st year EXTC (B)	Lokhande
Vinayak Maroti Wadhwa	1 st year Exte (B)	Wadhwa
Sasthak Shrawad Rajeshwar	1 st year Exte (B)	Rajeshwar
Om Ashok Vargase	1 st year Exte (B)	Vargase
Ashvishant Rudrawad	1 st year Exte (B)	Rudrawad
Ravindra Digambar Yadav	1 st year Exte (B)	Yadav
Arushikesh Apsingekar	1 st year Exte (B)	Apsingekar
Swaraj Gaikar	1 st year Exte (B)	Gaikar
Shankar Anand Sutar	1 st year Exte (B)	Sutar
Aniket Prakash Wardhekar	1 st year Exte (B)	Wardhekar

Name	Year & Branch	Sign
Nishant Udhav Khupse DOMBE PRATHMESH YOGESH	Petro. PETROCHEMICAL 3RD	 <u>Dombe</u>
vishwajeet Vilas shinde	Petro 3 rd	
Karan Bhaurabhab Rahane	Petro 3 rd	
Rutik Vijay Halde	Petrochemical 3 rd	
Siddhant Padmpkar Bhaware	Petro 3 rd y.	
JayRaj. Arun. Gawode	I.T. first year.	
Tanmay .T. walk	FY IT	
Tanmay. M. Patil	Petro 3 rd yr	
Ajinkya Dattaraj Pawar	Petro 3 rd year	
Omkar R. Salunke	Petro 3 rd	
Rushikesh. S. Gaikwad	Petrochem 3 rd	
Sachin M. Kolekar	— — —	
Omkar .T. Karneker	— — final year	
Sohil. chavan	— — final year	
Raut Praphull	4th year petrochemical	
Shubham .S. Patil	1 st EXTC	
Bhushan S. Koise	2 nd COMP	





REGISTRAR
 Dr. Babasaheb Ambedkar Technological University
 LONERE, W-2, 103
 Tal Mangaon, Dist. Raigad, (Maharashtra)

GD

Group Discussion

12/12/2022

	Name	Branch	Lang. (OS)	COST		OT (OS)	Total (OS)
				Part (OS)	MVC (OS)		
1)	Yash Chaudhari		4	3	3	3	13
2)	Rajwal S. Tupase		5	3	5	4	17
3)	Prathamesh Shirode		4	4	3	3	14
4)	Shrawari V. Chavan		4	3	3	3	13
5)	Apoorv Vashute		5	4	4	5	18
6)	Suyash Shinde		5	3	3	3	14
7)	Riddhish Lichade		4	3	3	3	13
8)	Mihir Jenuale		3	3	2	2	10
9)	Shantanu Melkasi		4	3	2	2	11
10)	Shreya Gaudre		5	2	3	3	13
11)	Lekha V. Marathe		4	3	4	4	15
12)	Pratap Takshkade		4	4	4	4	16
13)	Rameshwari D. Badhanekar		3	2	3	3	11
14)	Jay T. Munde		4	2	3	3	12
15)	Omkar Babar		4	4	4	4	16

~~Raj~~
12/12/2022
AL Dhampalwar

Report of POSCO Event

Date :- 18/11/2022

Place :- Pune

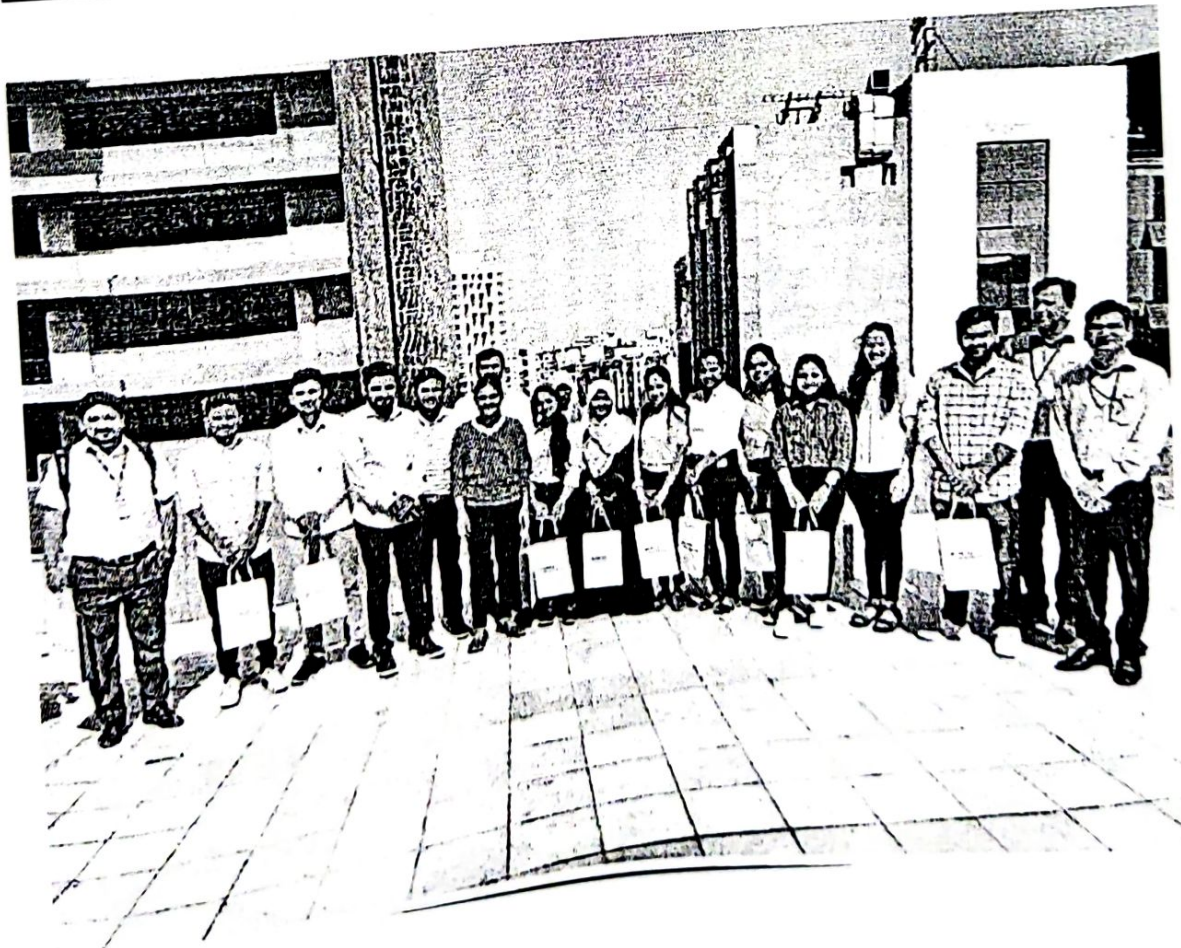
- 1) Pickup from University Campus 7.30 am
- 2) Reached to Pune 11.30 am
- 3) Welcome 11.30 am – 12.00 pm
 - Welcome address by Division Head
 - Welcome Kit Distribution by Division Head
 - Group Picture
- 4) Office Tour 12.00 pm – 12.45 pm
 - Pune Office Tour at WTC Tower 1
 - ◆ Total Overview to Management office, Procurement Office, and Head offices of POSCO Maharashtra Corporate Office.
- 5) Executive Centre 12.45 pm – 1.00 pm
 - Move to Executive Centre at WTC Tower 2
- 6) Event 1.00 pm – 2.30
 - POSCO Overview
 - Refreshment
 - Icebreaking & Engagement Activities
 - Reward Distribution
 - Group Photos
 - Exposure to Corporate life
 - Event Closing

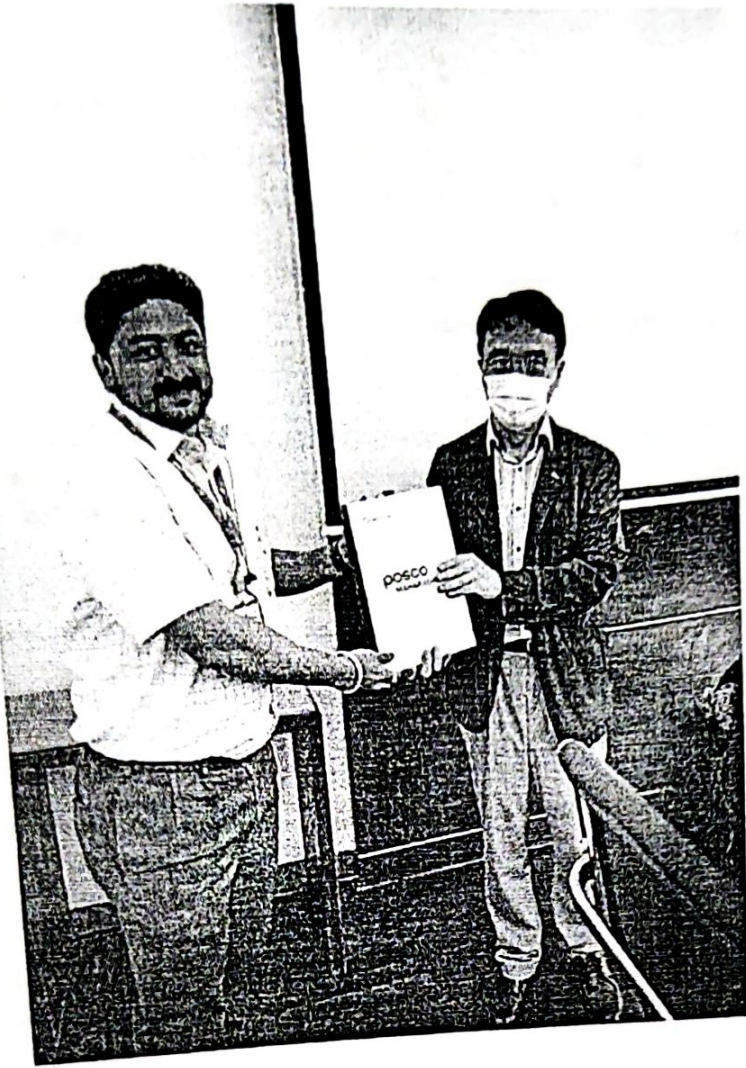

REGISTRAR

Dr. Babasaheb Ambedkar Technological University,
Loni, Dist. A. P. J. S.
Tal. Mangaon, Dist. Raigad, (Maharashtra)

- Lunch 2.30 pm – 3.30 pm
- Lunch at ROCOMama Restaurant at WTC Tower 2
-) Group picture 3.45 pm
-) Departure from Pune 4.00 pm
- 10) Reached at University Campus 8.30 pm

Pictures of the Event





DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY
CARRIER DEVELOPMENT CELL
CDC-CAT 1 (2022-23)

Date - 31/03/2023

TIME - 45 Minutes

1. If SKY is called SEA, SEA is called WATER, WATER is called AIR, AIR is called CLOUD and CLOUD is called RIVER, then what do we drink when thirsty?

- (a) SKY (b) AIR (c) WATER (d) SEA

2. Forty students watched films A, B and C over a week. Each student watched either only one film or all three. Thirteen students watched film A, six-teen students watched film B and nineteen students watched film C. How many students watched all three films?

- (a) 0 (b) 2 (c) 4 (d) 8

3. P, Q, R, S, T, U, V and W are seated around a circular table.

- i. S is seated opposite to W. ii. U is seated at the second place to the right of R.
iii. T is seated at the third place to the left of R. iv. V is a neighbour of S.

Which of the following must be true?

- (a) P is not seated opposite to Q (b) R is the left neighbour of S
(c) Q is a neighbour of R (d) P is a neighbour of R

4. Given below are two statements 1 and 2, and two conclusions I and II.

Statement 1: All entrepreneurs are wealthy.

Statement 2: All wealthy are risk seekers.

Conclusion I: All risk seekers are wealthy.

Conclusion II: Only some entrepreneurs are risk seekers.

Based on the above statements and conclusions, which one of the following options is CORRECT?

- (a) Only conclusion II is correct (b) Both conclusions I and II are correct
(c) only conclusion I is correct (d) Neither conclusion I & II is correct.

5. On Unit place in $(26591749)^{110016}$ is

- (a) 9 (b) 3 (c) 1 (d) 6

6. The ratio of the number of boys and girls who participated in an examination is 4: 3. The total percentage of candidates who passed the examination is 80 and the percentage of a girls who passed is 90. The percentage of boys who passed is.

- (a) 80.50 (b) 72.50 (c) 90.00 (d) 55.50

7. Seven machines take 7 minutes to make 7 identical toys. At the same rate, how many minutes would it take for 100 machines to make 100 toys?

- (a) 1 (b) 7 (c) 100 (d) 700

8. Out of all the integers from 1 to 100, a number is selected at random. What is the probability that the selected number is not divisible by 7?

- (a) $42/50$ (b) $41/50$ (c) $40/50$ (d) $43/50$

9. The Indian economy badly needs to.....an export oriented economic structure.

- (a) prepare (b) develop (c) achieve (d) gain

10. A and B started a business jointly. A's investment was thrice the investment of B and the period of his investment was two times the period of investment of B. If B received 4000 as profit, then their total

Profit is:

- (a) 16,000 (b) 20,000 (c) 24,000 (d) 28,000

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY
CARRIER DEVELOPMENT CELL
CDC-CAT 1 (2022-23)

Date - 31/03/2023

TIME - 45 Minutes

1. If SKY is called SEA, SEA is called WATER, WATER is called AIR, AIR is called CLOUD and CLOUD is called RIVER, then what do we drink when thirsty?
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i. S is seated opposite to W. ii. U is seated at the second place to the right of R.
iii. T is seated at the third place to the left of R. iv. V is a neighbour of S.
Which of the following must be true?
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(a) 16,000 (b) 20,000 (c) 24,000 (d) 28,000

11. It is a common criticism that most of the academicians live in their so, they are not aware of the real life challenges.
(a) big flats (b) homes (c) ivory towers (d) glass palaces

12. Choose the correct verb to fill in the below:

Let us.....

(a) introvert (b) alternate (c) atheist (d) altruist

13. If 0, 1, 2, 7, 8, 9 are coded as O, P, Q....., V, W, X, then 45 will be coded as
(a) ST (b) SU (c) SS (d) TS

14. If IMHO = JNIP; IDK = JEL; and SO = TP, then IDC =
(a) JDC (b) JCD (c) JDE (d) JED

15. Hema's age is 5 years more than twice Hari's age. Suresh's age is 13 years less than 10 times Hari's age. If Suresh is 3 times as old as Hema, how old is Hema?
(a) 14 (b) 17 (c) 18 (d) 19

16. I made arrangements had I informed earlier.
(a) could have, been (b) would have, being
(c) had, have (d) had been, been

17. A 2-digit number is reversed. The larger of the two numbers is divided by a smaller one. What is the largest possible remainder?
(a) 95 (b) 27 (c) 36 (d) 45

18. Two walls and a ceiling of a room meet at right angles at a point P. A fly is in the air 1m from one wall, 8m from the other wall and 9m from the point P. How many meters is the fly from the ceiling?
(a) 4 (b) 6 (c) 12 (d) 15

19. $P = (40\% \text{ of } A) + (65\% \text{ of } B)$ and $Q = (50\% \text{ of } A) + (50\% \text{ of } B)$, where A is greater than B. In this context, which of the following statements is correct?
(a) P is greater than Q.
(b) Q is greater than P.
(c) P is equal to Q.
(d) None of the above can be concluded with certainty.

20. There are thirteen 2-digit consecutive odd numbers. If 39 is the mean of the first five such numbers, then what is the mean of all the thirteen numbers?
(a) 47 (b) 49 (c) 51 (d) 45

21. The number 3521 is divided by 8. What is the remainder?
(a) 1 (b) 3 (c) 5 (d) 9

22. A prime number contains the digit X at unit's place. How many such digits of X are possible?
(a) 3 (b) 4 (c) 5 (d) 6

23. A field can be reaped by 12 men or 18 women in 14 days. In how many days can 8 men and 16 women reap it?
(a) 26 days (b) 24 days (c) 9 days (d) 8 days

24. Given that the polynomial $(x^2 + ax + b)$ leaves that same remainder when by $(x - 1)$ or $(x + 1)$ What are the values of a and b respectively?
(a) 4 and 0 (b) 3 and 0 (c) 0 and 3 (d) 0 and any integer

25. The average of 50 consecutive natural numbers is x. What will be the average when the next four natural numbers are also included?
(a) $x + 1$ (b) $x + 2$ (c) $x + 4$ (d) $x + (x/54)$