



Dr. Babasaheb Ambedkar Technological University

Department of Electronics and Telecommunication Engineering

Two Week Faculty Development Program

On

Data Science (DS)

Organised by Dr. Babasaheb Ambedkar Technological University, Lonere.

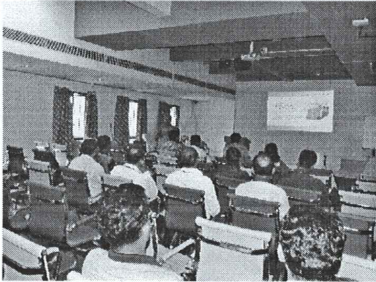
Under the sponsorship of AICTE AQIS

06th - 17th June 2022

DAY 1:

The program has been started with inauguration in presence of Chief Guest Dr. B.F.Jogi (Registrar of university) and coordinators of the program Dr. Sanjay L. Nalbalwar.

Session 2: The keynote session has been conducted by Dr. A.W. Kiwelekar. He has enlightened the learning analytics.

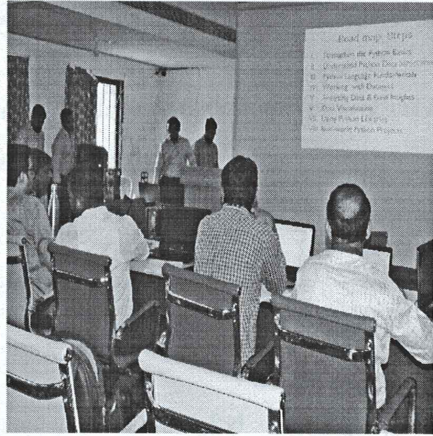


Sanjay L. Nalbalwar

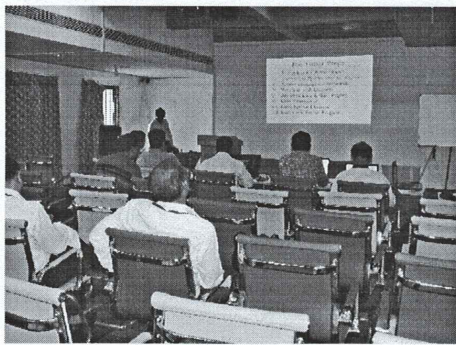
Session 3: The keynote session has been conducted by Dr. A.W. Kivlekar. He has explained the basics of machine learning.

Day2:

Session 1: The keynote session has been conducted by Dr. S.M. Jadhav. He has focused on data structures and manipulation

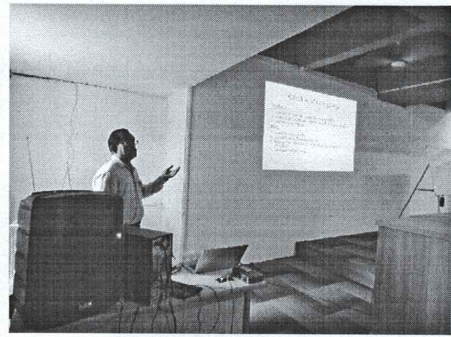
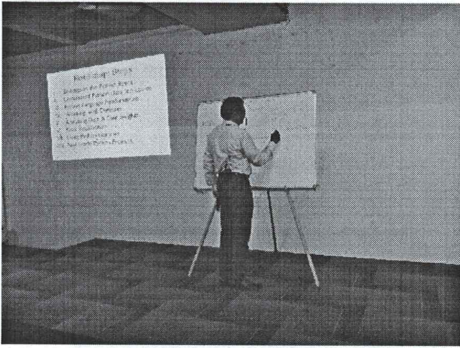
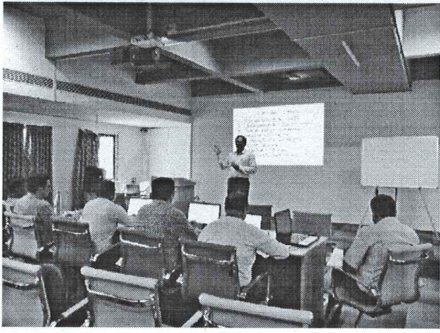


Session 2: The keynote session has been conducted by Dr. S.M. Jadhav. The session started with data visualization and different techniques.



Session 3: The keynote session has been conducted by Alipta Pawar. Carried out hands-on on machine learning.

5/11/2018



Session 3: Hands-on session II was conducted by Snehal Gaikwad. Which involves dealing with data mining

Day3:

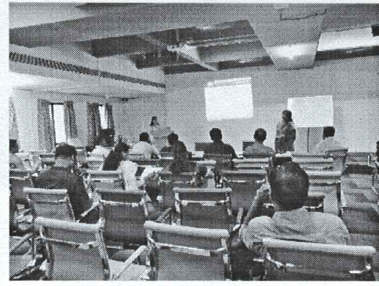
Session 1: The keynote session has been conducted by Dr. Poorna Shankar. She explained the different machine learning algorithms.



Session 2: The keynote session has been conducted by Dr. Poorna Shankar. Carried out machine learning algorithms.



Session 3: Hands-on sessions was conducted by Dr. Poorna Shankar on machine learning implementation using python.



Day 4:

Session 1: The keynote session has been conducted by Dr. Brijesh Iyer. Explained the path way to Data Science.



Session 2: The keynote session has been conducted by Dr. Brijesh Iyer. Well explained about IoT and IoE.



Session 3: The keynote session has been conducted by Dr. A. P. Shesh. Explained about the Unique Challenges in Learning the Academic Language.



Session 3: The keynote session has been conducted by Dr. N. S. Jadhav. Which highlighted on Joyful Learning.



Day 5:

Session 1: The keynote session has been conducted by Dr. Sachin Sadare. He focused on Introduction to Digital Marketing Analytics.



Session 2: The keynote session has been conducted by Dr. Sachin Sadare. He explained the depth of digital marketing.

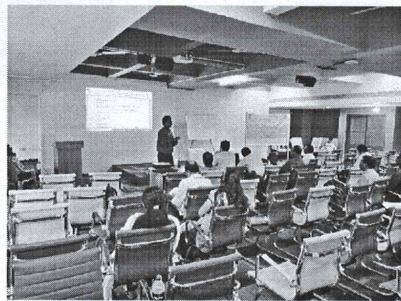
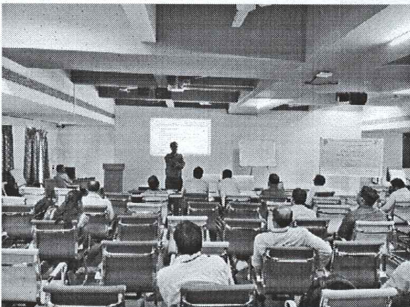


Session 3: Hands-on sessions were conducted by Dr. Sachin Sadare.



Day 6:

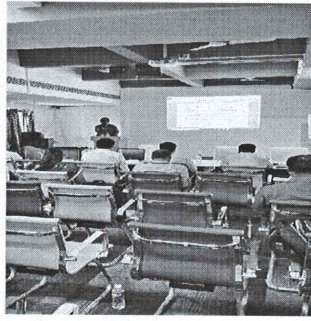
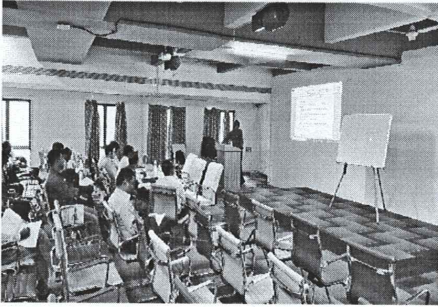
Session 1: The keynote session has been conducted by Dr. S. L. Nalbalwar. He explained the linear algebra concepts.



Session 2: The keynote session has been conducted by Dr. S. L. Nalbalwar. Carried out probability theory and statistics as essential for Data Science.



Session 3: Hands on sessions were conducted by Dr. S. L. Nalbalwar.

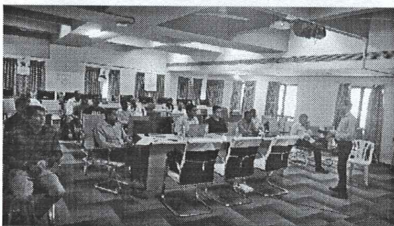


Day 7:

Session 1: The keynote session has been conducted by Dr. Deepak Kshirsagar. He has carried out the session on Machine Learning for Big data analytics.



Session 2: The keynote session has been conducted by Dr. Deepak Kshirsagar. The session was on Big Data Analytics in DDoS Detection.

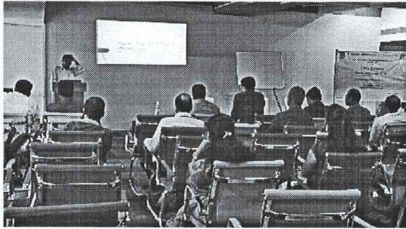


Session 3: Hands-on Sessions were conducted I for Web Application Security by by Dr. Deepak Kshirsagar.

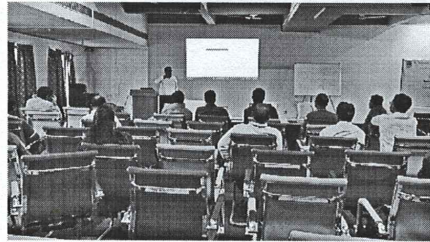


Day 8:

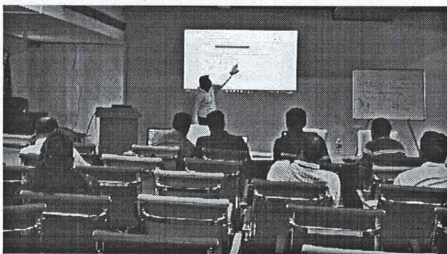
Session 1: The keynote session has been conducted by Dr. S. B. Deosarkar on National Educational Policy



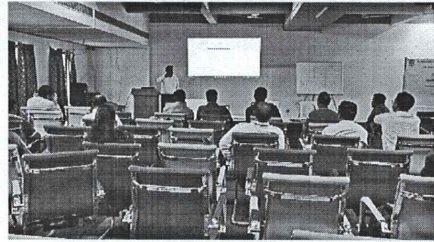
Session 2: The keynote session has been conducted by Dr. Abhishek Bhatt. He has explained about Data Driven Application Development.



Session 3: Hands-on session I was conducted by Dr. Abhishek Bhatt.

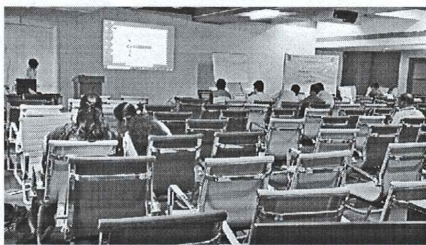


Session 3: Hands-on session II was conducted by Dr. Abhishek Bhatt.



Day 9:

Session 1: The keynote session has been conducted by Dr. S.M. Jadhav. He has explained different data visualization techniques.



Session 2: The keynote session has been conducted by Dr. S.M. Jadhav. The session was on DS case study using python.

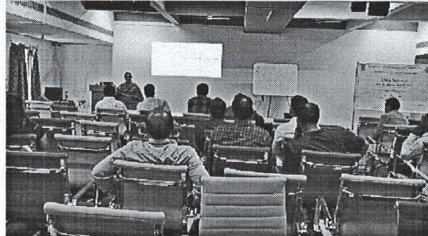


Session 3: Hands-on sessions were carried out by Prashant Mahajan.



Day 10:

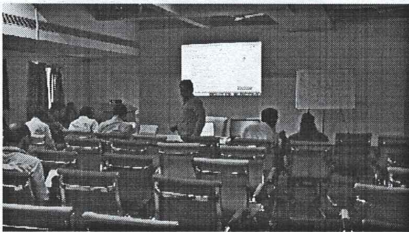
Session 1: The keynote session has been conducted by Dr. Seema Purohit. She explained about High Dimensional Spaces with lab sessions in python.



Session 2: The keynote session has been conducted by Dr. Seema Purohit. She explained massive data algorithms.

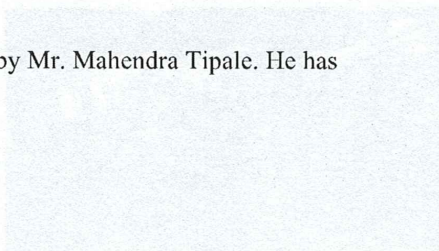


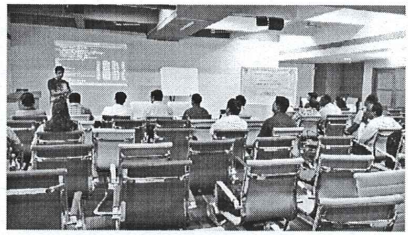
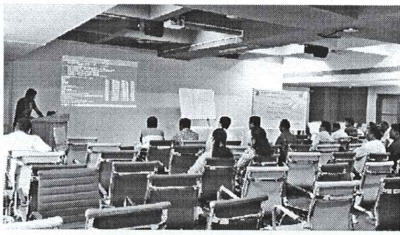
Session 3: The keynote session has been conducted by Dr. Seema Purohit. Hands-on sessions were conducted using python.



Day 11:

Session 1: The keynote session has been conducted by Mr. Mahendra Tipale. He has explained about Nosqls for Data Science





Session 2: Test

Session 3: Valedictory and Feedback session.





Dr. Babasaheb Ambedkar Technological University

Department of Electronics and Telecommunication Engineering

Institute Innovation Council

Session on Problem Solving and Ideation Workshop

Academic Year: 2022-2023

Program Driven By: IIC

Quarter: I

Program Type: Expert Talk, Seminar & Workshop

Program Theme: IPR and Technology Transfer, Innovation and Design Thinking

Duration of Activity (in min.): 5 hrs.

Start Date: 13/12/2022

End Date: 13/12//2022

No. of Student Participants: 42

No. of Faculty Participants: 5

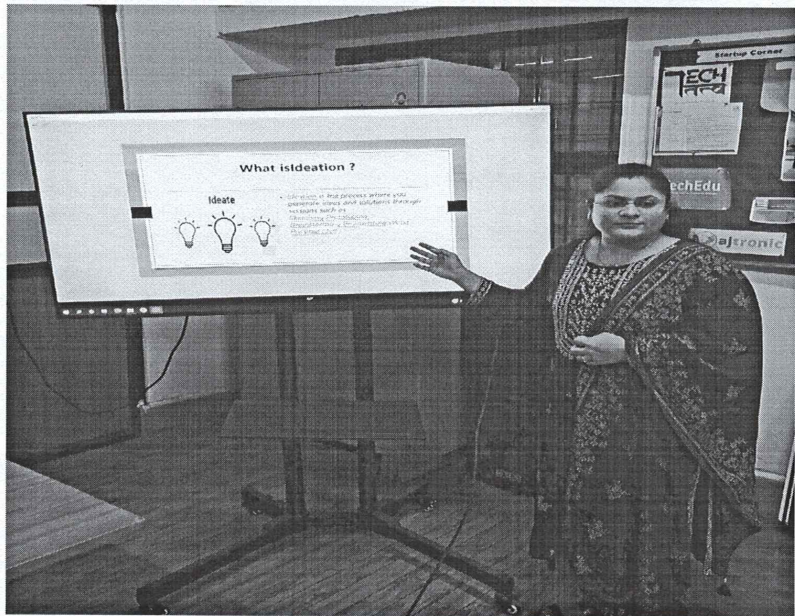
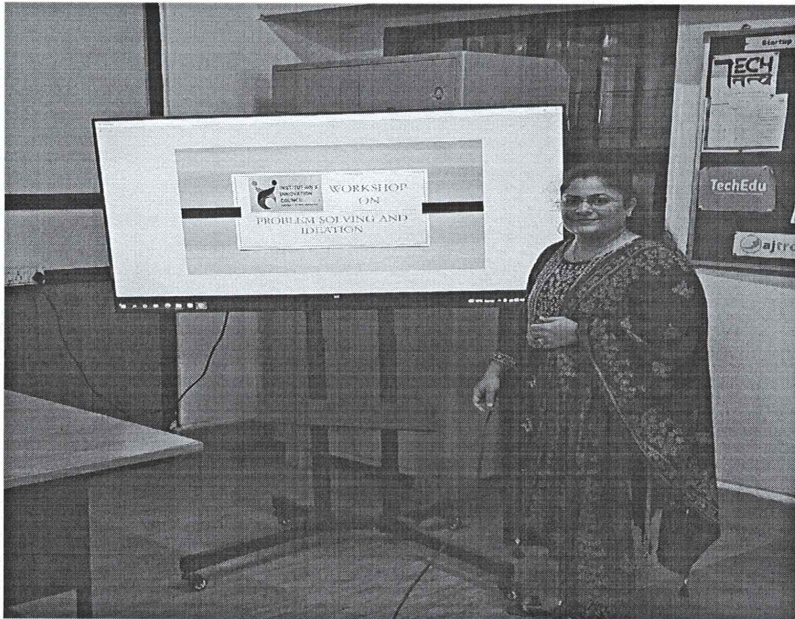
No. of External Participants: 0

Objective: To tell the students, the importance of innovation and idea generation.

2. To develop them on out of the box thinking
3. To develop problem solving skills of students
4. To develop Entrepreneurial skills
5. To make them successful future Entrepreneurs

Benefit in terms of learning/skill/Knowledge obtained: Finding answers to unusual difficulties and overcoming unforeseen obstacles, promoting growth and innovation: In addition to providing answers, inventive problem-solving can produce new concepts that promote students ideas.

Photographs:





Dr. Babasaheb Ambedkar Technological University

Department of Electronics and Telecommunication Engineering

Institute Innovation Council

One day session on

**My Story-Motivational Session by Successful Entrepreneur/Start-Up
founder**

7th October, 2022

Title: My Story-Motivational Session by Successful Entrepreneur/Start-Up founder

Programme Type: Motivation Speech

Programme Theme: Start Up

Thrust Area: Entrepreneurship/Start-Up

Mode of Conduct: Online

Duration: 60 minutes

Start date: 07/10/2022

Participants: Students - 60 Faculty - 3

Time: One day

The Motivational talk was arranged by a successful Entrepreneur and Co-founder of an EduTech StartUp parent organization "TECHEDU" which have been recognized by ministry of small and medium enterprises. This company is having tie-ups with professionals working in more than 20 well known firms like Samsung, Rovae, Aditya Birla and Infosys. More than 100 students were present for this talk.

The talk was started with his characters of the story who are currently working with him as a team. He highlighted his journey from the beginning of his start up, the problems he faced, lots of rejections for the funding and how he started to grab the opportunities from all those rejections.

He discussed about the risks taking opportunities, how the team was created, raising the capital, the bond between him and his employees, etc.

Finally, the session ended up with the interaction between students and the faculties who asked the questions related to start Up, at which stage they should start working on it, etc.

Video Link (drive):

<https://drive.google.com/file/d/11JfzVgh37ENdWXyOrOkQJlqGiFi1TWkc/view?usp=sharing>

Video Link (Youtube):

<https://youtube.com/watch?v=VnlynjOhjVM&feature=share>

The image shows a Google Meet interface with a presentation slide. The slide content is as follows:

- Logo: ANITE (Association of National Institutes of Technology Education)
- Company: TechEdu (Leading India's Future Leaders)
- Title: My Life As An Entrepreneur
- Author: By GAURAV VIJAY TOPRE, Co-Founder and Ex-CEO TechEdu

The Meet interface includes a top bar with the text "Gaurav Topre is presenting", a right-hand sidebar with participant thumbnails for "You", "Gaurav Topre", "Bhagvat Bhoosale", and "87 others", and a bottom control bar with icons for mute, video, chat, share, and end call. The system tray at the bottom shows the time as 11:06 AM, date as 01-12-2021, and weather as 22°C Haze.

Gaurav Topre is presenting

11:09 AM | ezi-vqxb-pok

Gaurav Topre is presenting

11:09 AM | ezi-vqxb-pok



Dr. Babasaheb Ambedkar Technological University

Department of Electronics and Telecommunication Engineering

Institute Innovation Council

National Science Day Celebration

28^h February, 2023

Dr. Babasaheb Ambedkar Technological University (DBATU) commemorated National Science Day on 28th February 2023 with great enthusiasm and fervor. The event was marked by a series of activities and programs that emphasized the significance of science and its role in nation-building.

Highlights of the Day:

1. **Inaugural Ceremony:** The event began with an inaugural ceremony graced by eminent scientists, academicians, and dignitaries from various fields. Professors and researchers from DBATU presented their research findings, showcasing the university's commitment to fostering scientific innovation.
2. **Interactive Sessions:** Several interactive sessions were organized where students and faculty members engaged in discussions about recent advancements in science and technology. These sessions provided a platform for knowledge sharing and collaborative learning.
3. **Exhibitions:** A science exhibition was held, featuring innovative projects and experiments developed by students. The exhibits covered a wide range of topics, including renewable energy, artificial intelligence, and biotechnology, highlighting the potential of science in addressing global challenges.
4. **Workshops and Demonstrations:** Workshops on emerging technologies and hands-on demonstrations were conducted to provide participants with practical insights into various scientific concepts. Experts from industry and academia led these sessions, sharing their expertise and experiences with the audience.
5. **Quiz and Competitions:** To foster a spirit of competition and encourage scientific thinking, quiz competitions and contests were organized for students. These events tested the participants' knowledge and understanding of scientific principles, while

also promoting teamwork and collaboration.





Dr. Babasaheb Ambedkar Technological University

Department of Electronics and Telecommunication Engineering

One day Workshop

On

THE ART OF PITCHING

(National Startup Day Workshop)

11th January, 2023

Academic Year: 2022-23

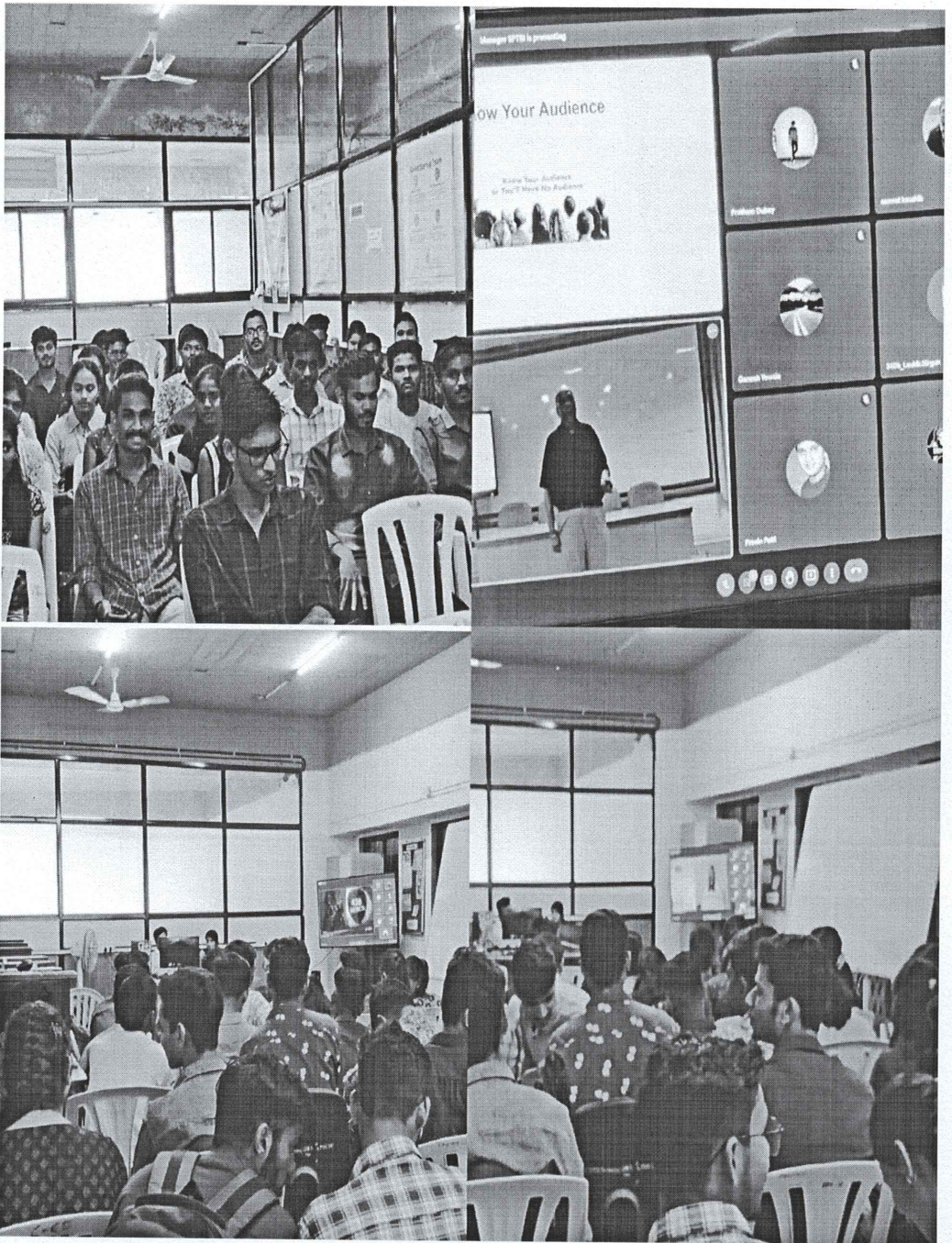
Program Driven By: IIC Celebration Activity

No. of Student Participants: 56

India has emerged as the third-biggest start-up ecosystem in the world after the US and China, with around 60,000 new start-ups. The sector is growing at a pace that doesn't show any sign of slowing down. Despite the lockdown and pandemic, the years 2020 and 2021 saw record-breaking funding, building a record number of unicorns in the sector. As per reports, Indian startups raised \$42 billion in 2021, a multi-fold increase from 2020, when the amount was \$11.5 billion. In the last few years, Indian start-ups have contributed to changing the image of our country.

The use of innovative technology in the sector has created thousands of new job opportunities, disrupted many industries, and helped in the penetration of previously untapped geographies. Most start-ups use the latest technologies such as AI, IoT, analytics, robotics, etc. As proven by the pandemic crisis, - innovation is the key driver of India's corporate and economic growth. In India, National Startup Day is celebrated on January 16th each year. The day was first observed in 2016 and is organized by the Department for Promotion of Industry and Internal Trade (DPIIT), which is part of the Ministry of Commerce and Industry.

The main goal of National Startup Day in India is to encourage and support the growth of the Startup ecosystem in the country. The government, along with various private organizations, conducts events, seminars, and workshops to promote the development of startups and to provide guidance to aspiring entrepreneurs.



Students who attended workshop online

The activities on National Startup Day in India aim to create awareness and provide support for various aspects of starting a business, such as access to funding, mentorship, and networking opportunities. Additionally, the day provides a platform for startups to showcase their innovative products and services.



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Altitude: -62.7±1 m
Accuracy: 24.0 m
Time: 01-10-2023 16:16
Note: Art of Piching

In recent years, National Startup Day in India has been observed with a series of events, including Startup competitions, investor pitches, panel discussions, and networking sessions. The day is an important opportunity for startups to connect with investors, mentors, and other entrepreneurs, and to gain exposure to potential customers and partners. Overall, National Startup Day in India is an

important initiative that highlights the potential of startups to drive economic growth and create jobs in the country.

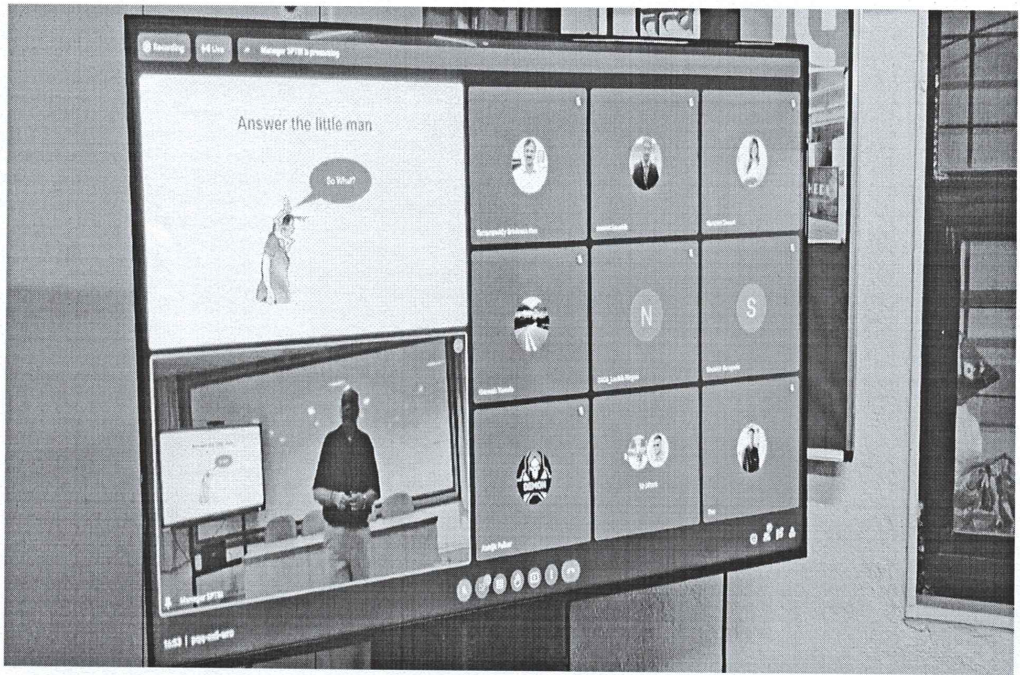
"THE ART OF PITCHING"



The "Art of Pitching" in Startup refers to the skill of presenting a concise, compelling, and persuasive story about a Startup to investors or other potential stakeholders. The goal of pitching is to generate interest and excitement in the Startup and to secure funding or partnerships.



When it comes to start-up pitches, the first step is always defining your idea. This may seem like a no-brainer, but you'd be surprised how many people try to skip this step or gloss over it. Defining your idea is essential because it forces you to think about what your business is actually going to do and how it's going to make money. If you can't explain your idea in a few sentences, then it's probably too complicated. A good rule of thumb is to keep your pitch under three minutes. That may not seem like a lot of time, but it's actually plenty if you're focused and to the point. Startup pitching is both an art and a science. Mastering it, and understanding how to get investors' attention, can make or break an entrepreneur.



A good Startup pitch typically includes the following elements:

The problem: Clearly articulate the problem that your Startup is solving.

The solution: Explain your solution to the problem and how it works.

The market: Discuss the size of the market and the opportunity for growth.

The competition: Highlight your competitive advantage and differentiate your Startup from the competition.

The team: Introduce the founding team and their qualifications and experience.

The ask: Clearly articulate what you are looking for in terms of funding, support, or partnership.

How to structure a startup pitch



The art of pitching involves delivering a compelling presentation that engages and persuades potential investors or stakeholders. A good pitch should be concise, well-structured, and tailored to the audience. It should also be delivered with enthusiasm and passion, which can help to convey the founder's vision and confidence in the Startup. In order to master the art of pitching, Startup founders often seek out feedback and advice from mentors, attend pitch competitions and accelerator programs, and practice pitching regularly to refine their presentation skills. Ultimately, the art of pitching is a critical skill for any Startup founder looking to secure funding or partnerships and build a successful business.

The art of pitching involves creating a compelling and concise story that conveys your startups value proposition, market opportunity, and competitive advantage to potential investors, customers, or partners. Some key elements of a successful pitch include:

Clarity: Your pitch should clearly communicate what problem your Startup solves and how it does it.

Differentiation: Highlight what makes your Startup unique and different from competitors.

Market opportunity: Demonstrate the size and growth potential of the market you are targeting.

Team: Showcase the experience and qualifications of your founding team.

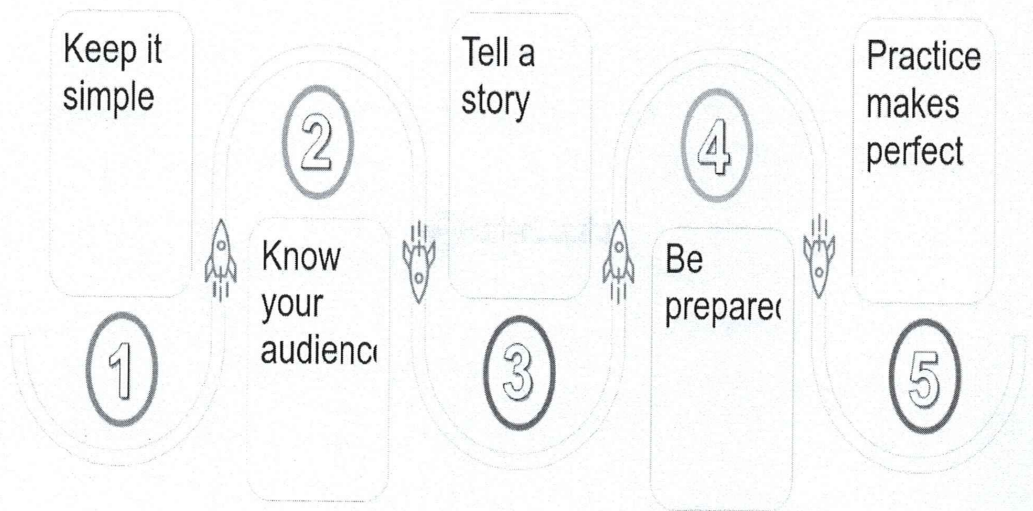
Call to action: End your pitch with a clear and actionable next step, such as scheduling a follow-up meeting or providing more information. There are many resources available for Startup founders to improve their pitching skills, including pitch coaching, mentorship, and accelerator programs. Additionally, there are often events and competitions where founders can practice their pitching and gain exposure to potential investors.





Planning, preparing, and tailoring your Startup pitch to find new investors is key to turning your idea into reality. A lot of Startup pitching, however, happens in the spaces ‘in between’ — during coffee breaks and meals. Regardless of when and where you are pitching, it’s essential to learn how to create an effective Startup pitch structure. It’s important to note, however, that there is no one winning formula for crafting an effective pitch. Startup pitching takes practice. With this in mind, we outline below some of the key characteristics of a successful Startup pitch structure that you might consider trying out.

How to deliver a winning startup pitch



Confidence, not arrogance: Ambitious, not unrealistic - founders need to strike a balance here. Usually, the emerging market entrepreneurs come across as confident, but either not ambitious enough or unrealistic. To get the returns investors are looking for, ambition is required. And to achieve the ambition, you need to show a realistic path of how you will get there.

Use WHEN, not IF: For the entrepreneurs lacking confidence, this is a tell-tale sign. If you don't have confidence in yourself, how can you expect investors to get on board?

Do your homework: You need to think of an investor as a partner and knowing something about them is the first step to that. Find out what else the investor can bring to the table other than money and be sure to discuss it with them.

Raise the challenges yourself: An investor will figure the challenges out soon enough, so you may as well surface them early on to show that you're prioritizing them. This is also a good way of getting the conversation a bit deeper.

Practice: Pitching to investors and having all the numbers and answers in mind is hard work. Before you start meeting investors, practice with teammates or mentors who can put you through an artificial grilling.



Dr. Babasaheb Ambedkar Technological University

Department of Electronics and Telecommunication Engineering

Institute Innovation Council

National Pollution Control Day

2nd December 2022

Academic Year: 2022-23

Program Driven By: IIC Celebration Activity

Quarter: II

Program Type: Mentoring session And Competition

**Program Theme: IPR and Technology Transfer/ Innovation and Design Thinking/
Entrepreneurship and Startup/ Pre incubation and incubation Management**

Duration of Activity (in min.): 4:30 hrs.

Start Date: 2nd December 2022

End Date: 2nd December 2022

No. of Student Participants: 25

No. of Faculty Participants: 5

No. of External Participants: 0

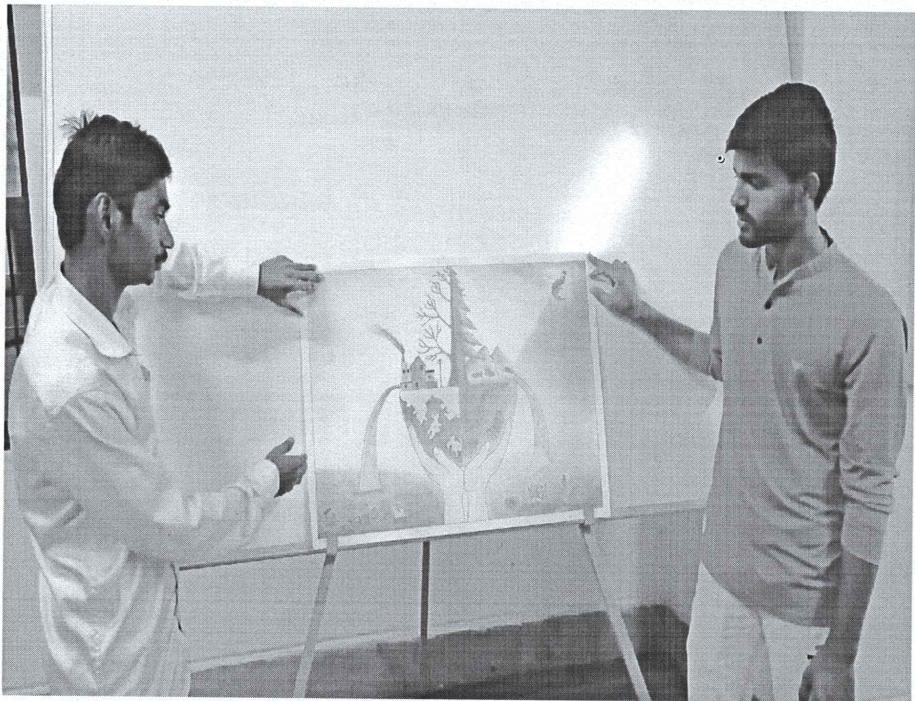
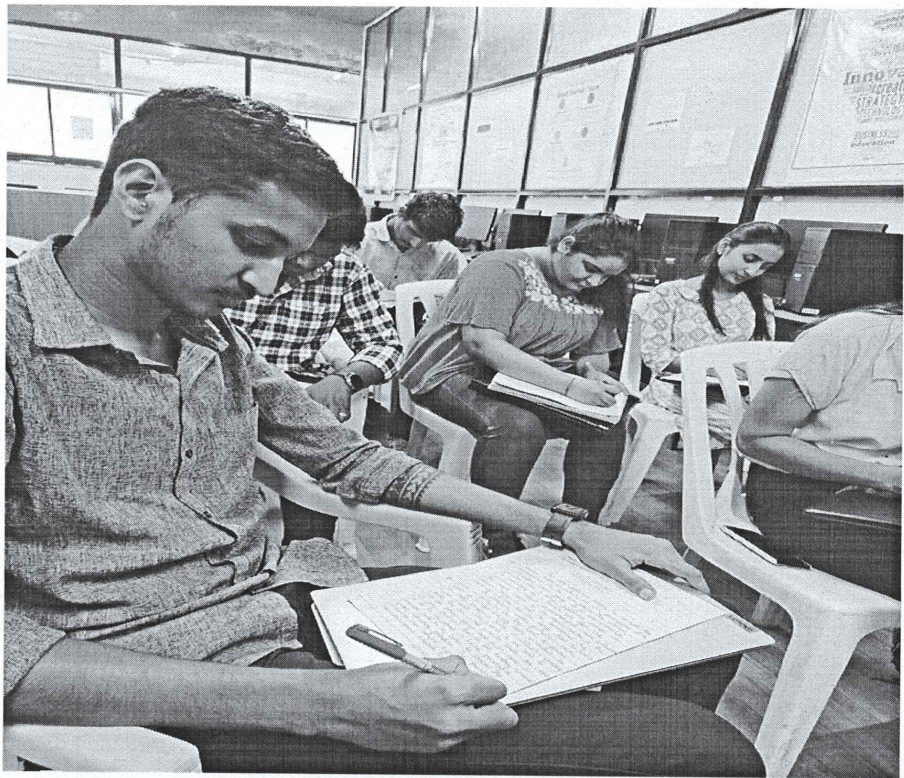
Objective: The major goal is to raise awareness and educate students about the various factors that pollute the environment and, more specifically, the environment and health.

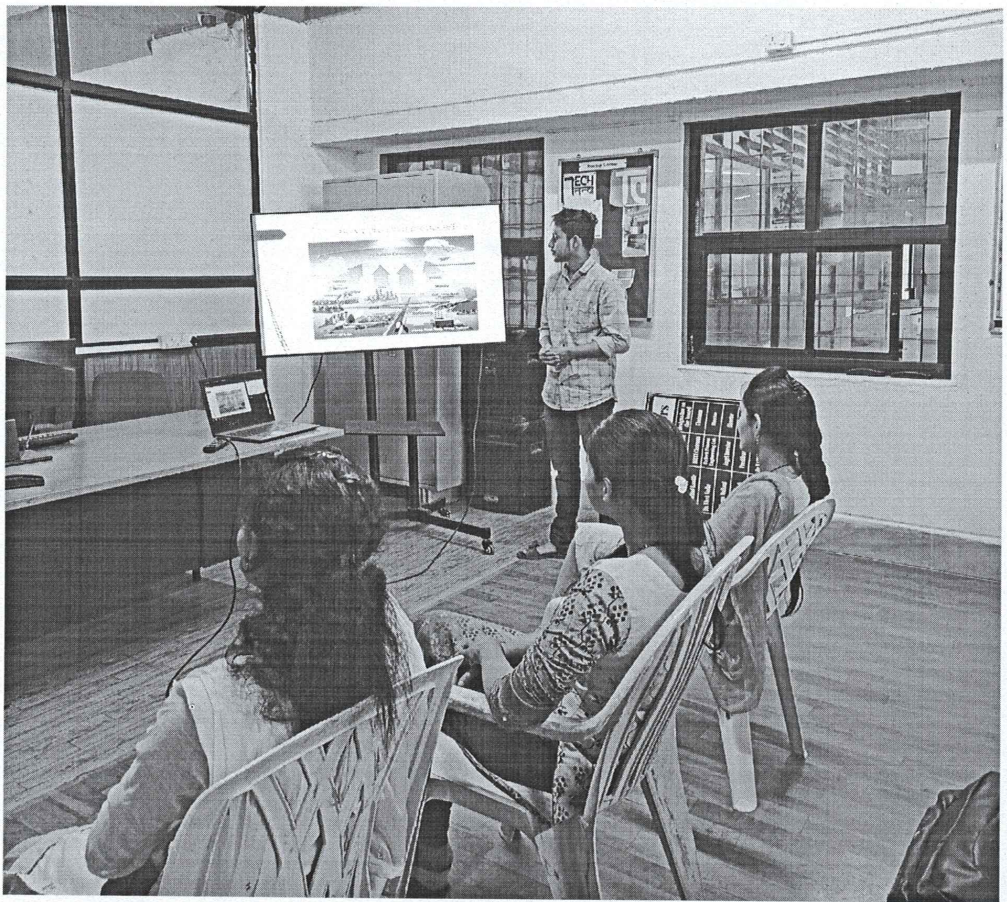
Benefit in terms of Knowledge obtained: To create a better or cleaner environment, it is also crucial to educate the students about pollution.

Video Url:

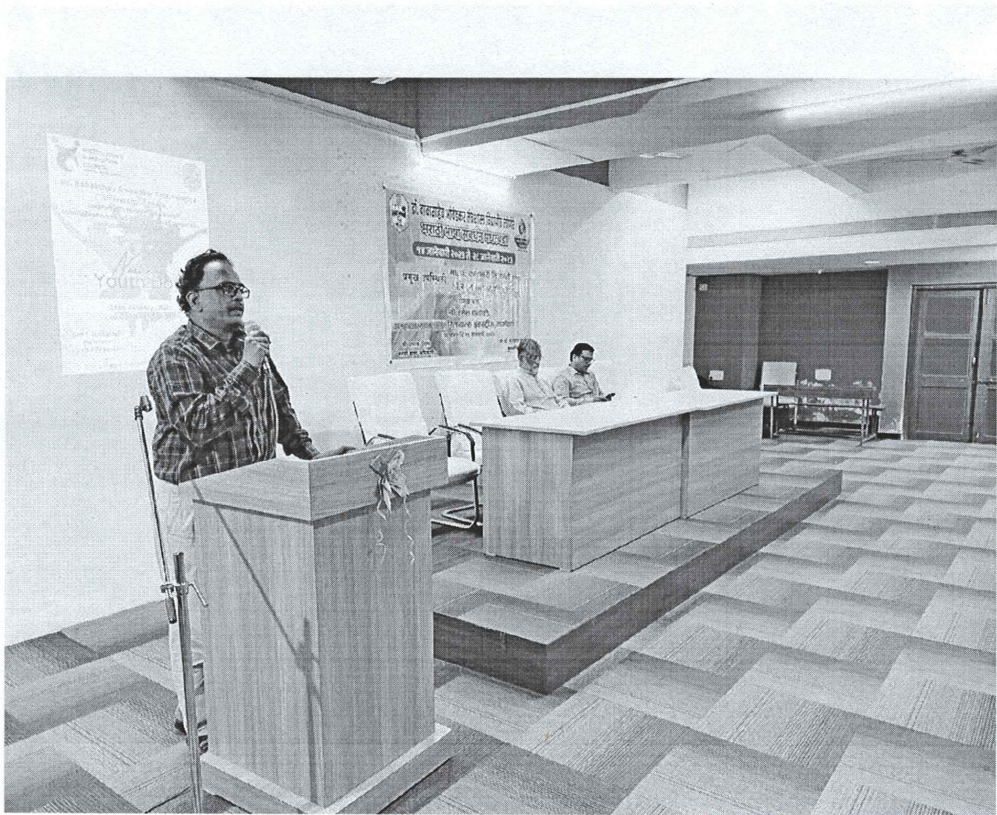
Photographs:







The aim is also to inspire the youth by sharing stories from his life so they get motivated and become more aware of their responsibility as citizens of India. It is a day to recognize the importance of youth in our society and to inspire them to take up leadership roles. The celebration of National Youth Day in colleges is a great way for students to understand the importance of this day and how it can help shape their future.



Address by Dr. S.L. Nalbalwar Sir

This year, our Dr. Babasaheb Ambedkar Technological University celebrated National Youth Day with Institution's Innovation Council In collaboration with DBATU forum of Innovation Incubation and Enterprise with great enthusiasm and dynamism. We had a series of cultural and literary events, such as debates, extempore speeches, motivational act, poster competitions, seminars, group

discussions, lectures, etc., which were enjoyed by students from different departments. This not only helps them understand the importance of youth but also helps them gain knowledge about different topics and issues related to it. Through these activities, students can gain insight into different aspects related to National Youth Day and its celebration.



The day also saw many speeches given by prominent dignitaries from the college who urged students to make use of their immense talent and energy for nation-building. The celebration concluded with an inspiring speech given by our head of department and academic dean Dr. S.L Nalbalwar sir which emphasized on the need for youth to realize their responsibilities in bringing about positive change in society through their creativity and hard work.



Dr. Babasaheb Ambedkar Technological University

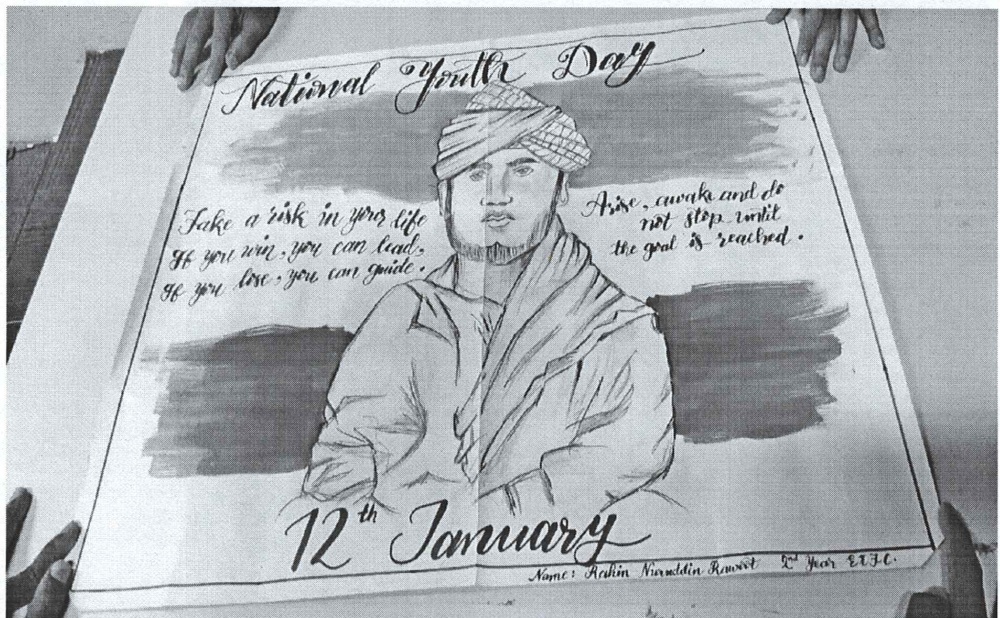
Department of Electronics and Telecommunication Engineering

Institute Innovation Council

National Youth Day Celebration

30th January 2023

National Youth Day is celebrated on January 12 every year to pay tribute to the great Indian philosopher and leader Swami Vivekananda. The purpose of celebrating National Youth Day is to provide the college students with an opportunity to gain knowledge about Swami Vivekananda's teachings which focus on providing guidance on how one can work towards achieving their goals and making positive contributions towards society.



Poster Competition



National Youth Day Celebration



Rangolity Activity



Rangoli by T.Y EXTC Students

The celebration of National Youth Day in a college can have many possible main motives, depending on the specific context and goals of the event. However, some common motives that colleges may have for celebrating National Youth Day include:



Motivational Act by Students

Promoting the ideals of Swami Vivekananda: National Youth Day is celebrated on January 12th in India to mark the birth anniversary of Swami Vivekananda, a revered spiritual leader and philosopher who was known for his teachings on self-realization, social reform, and national unity. A main motive of a college celebration of National Youth Day is to promote the values and principles that Swami Vivekananda espoused, such as the pursuit of knowledge, the practice of self-discipline, and the commitment to social justice.



Speech by Abhishek Sharma



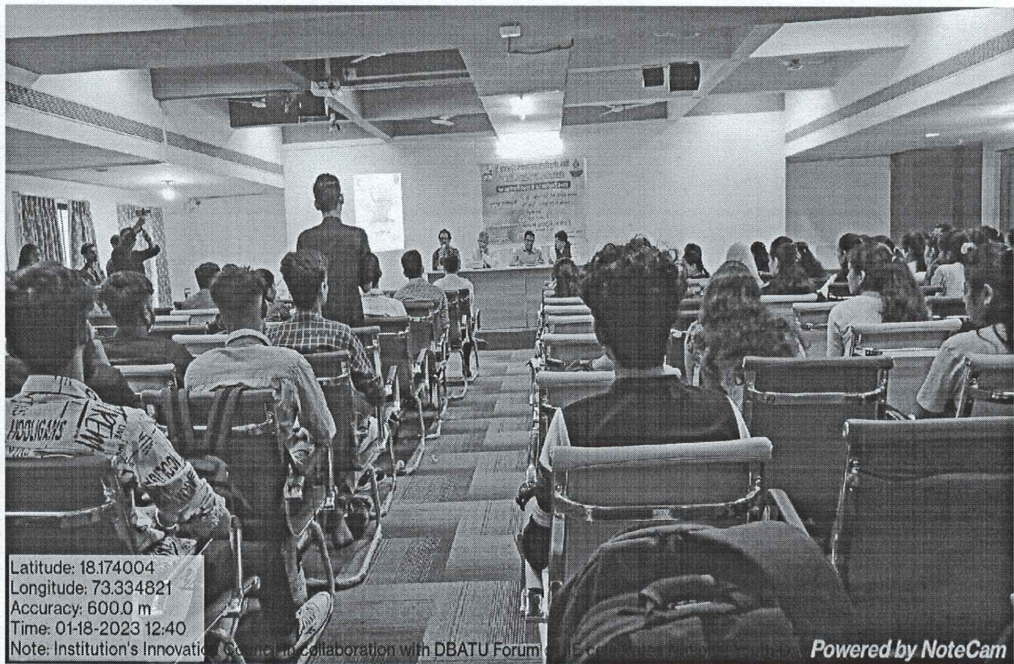
Debate Competition on online Vs offline Education

Inspiring and empowering youth: National Youth Day is an occasion to celebrate the potential and energy of young people, and to encourage them to use their talents and abilities to make a positive impact in the world. A main motive of our college celebration was to inspire and empower students to take up leadership roles, to develop their skills and talents, and to contribute to their communities and society at large.



Dignitaries Present for Event

Fostering a sense of community and solidarity: National Youth Day can also be an opportunity to bring together students, faculty, and staff from different backgrounds and disciplines, and to foster a sense of community and solidarity among them. A main motive is to encourage collaboration, dialogue, and mutual respect among members of the college community, and to create a space where everyone feels valued and supported.



Questioning Session

Highlighting important issues and challenges facing youth: National Youth Day can also be a platform to raise awareness about the issues and challenges that young people are facing, such as unemployment, mental health, social inequality, and environmental degradation. A main motive of a college celebration may be to initiate discussions and actions around these issues, and to encourage students to become advocates and change-makers in their own right.



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Department of Electronics and Telecommunication Engineering

Institute Innovation Council

National Pollution Control Day

2nd December 2022

Academic Year: 2022-23

Program Driven By: IIC Celebration Activity

Quarter: II

Program Type: Mentoring session And Competition

**Program Theme: IPR and Technology Transfer/ Innovation and Design Thinking/
Entrepreneurship and Startup/ Pre incubation and incubation Management**

Duration of Activity (in min.): 4:30 hrs.

Start Date: 2nd December 2022

End Date: 2nd December 2022

No. of Student Participants: 25

No. of Faculty Participants: 5

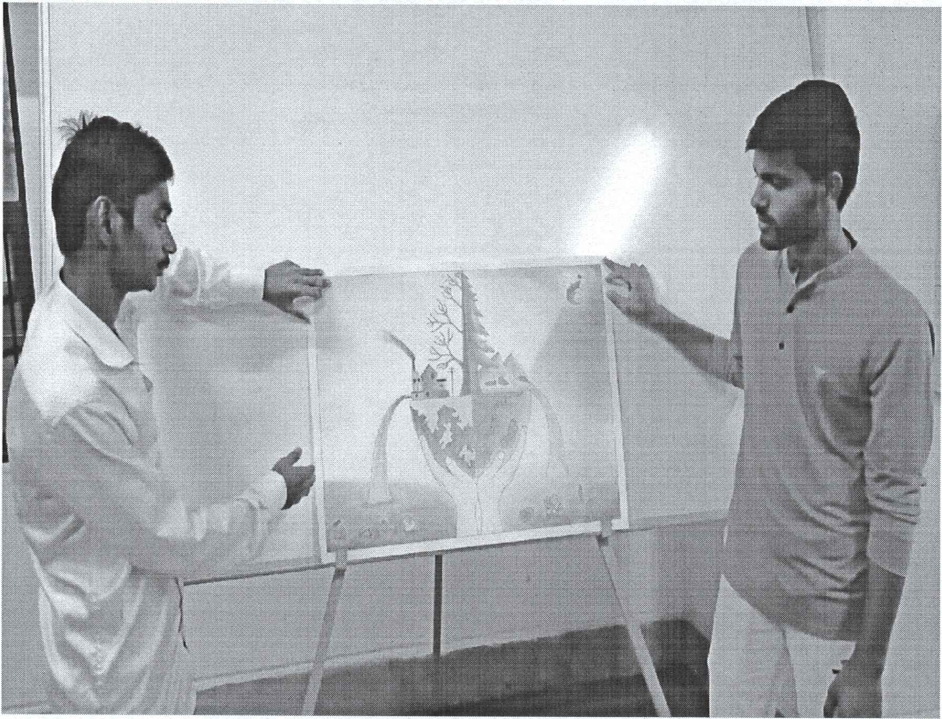
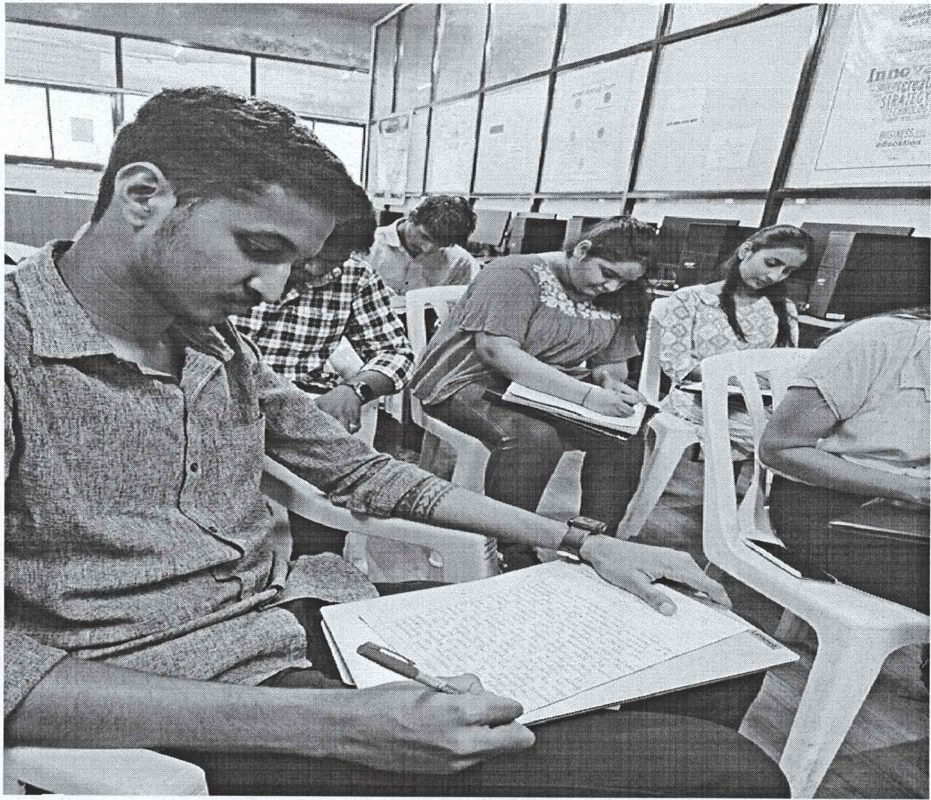
No. of External Participants: 0

Objective: The major goal is to raise awareness and educate students about the various factors that pollute the environment and, more specifically, the environment and health.

Benefit in terms of Knowledge obtained: To create a better or cleaner environment, it is also crucial to educate the students about pollution.

Video Url:

Photographs:



Amme

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:

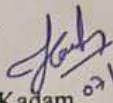
- The session began with a warm welcome from Prof (Dr) Raman Ballabh, Resource Person – IICA Ministry of Corporate Affairs (Govt of India) & CDSL.
- Participants were provided with valuable insights into the intricacies of the capital market, guided by the Investor Education & Protection Fund of India (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.'

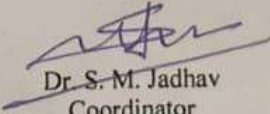
Session 2: Prof (Dr) Raman Ballabh

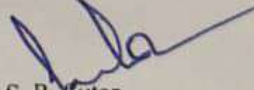
- Date and Time: October 6, 2022 02:30 PM to 05:30 PM
- Platform: Google Meet

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



**A
Report
on
“AutoCAD Design Software:Workshop”**

Organized

by



Department of Petrochemical Engineering


Dr. Babasaheb Ambedkar Technological University Lonere

Academic Year 2022-2023

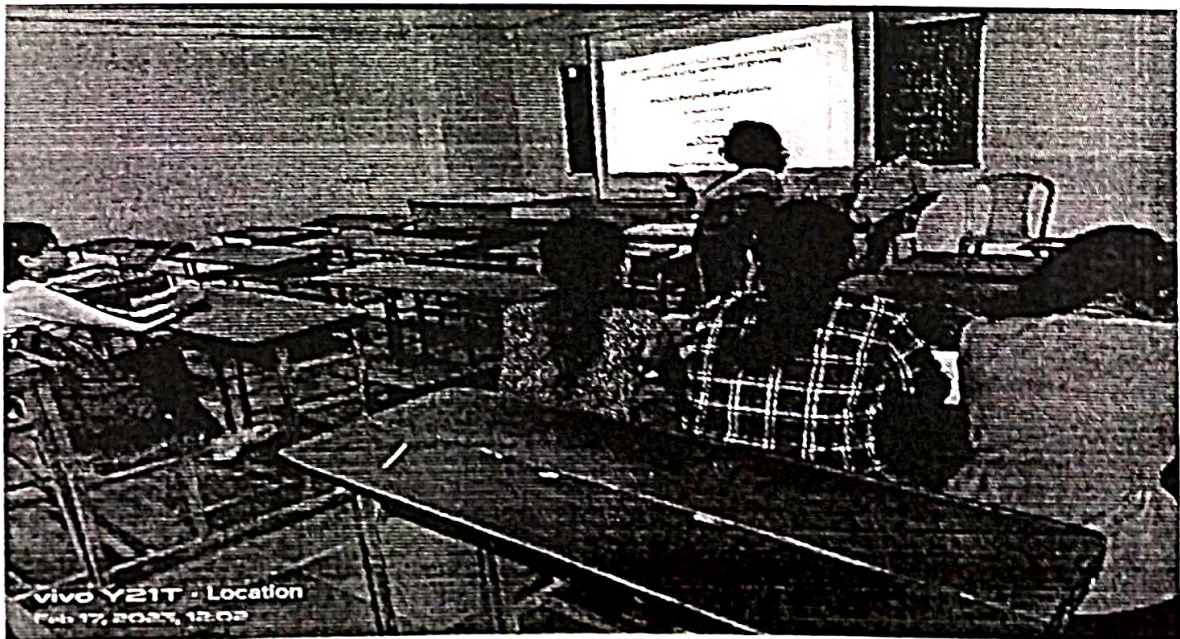
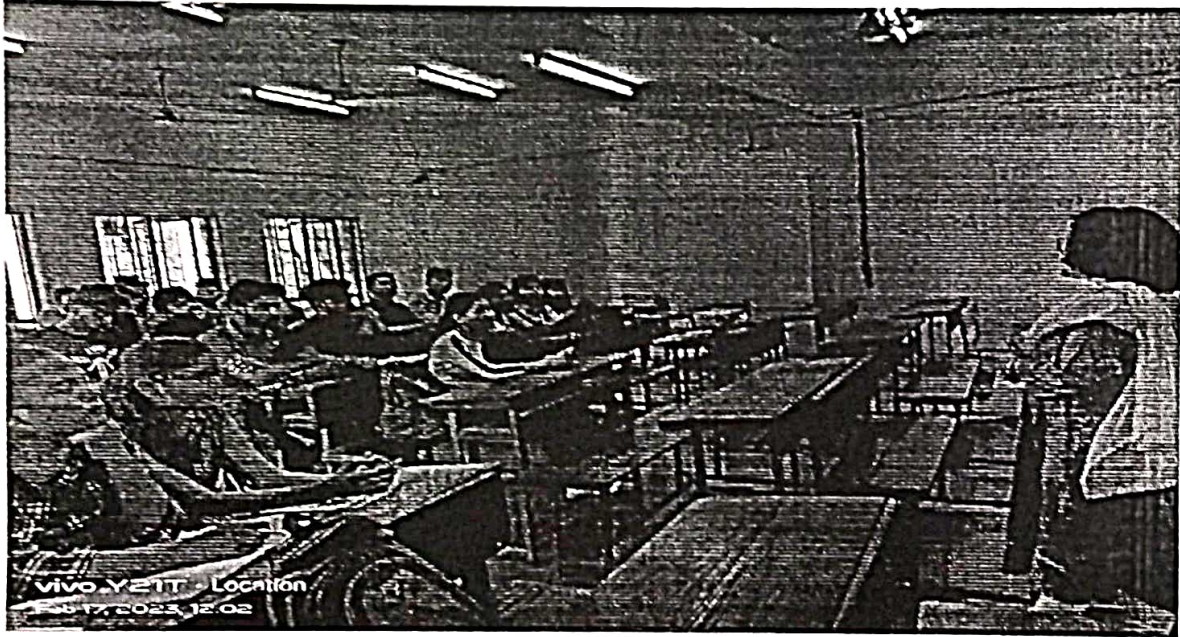
Date: 15 February 2023 to 15 March 2023

Target Audience: Final Year Petrochemical B. Tech Students.

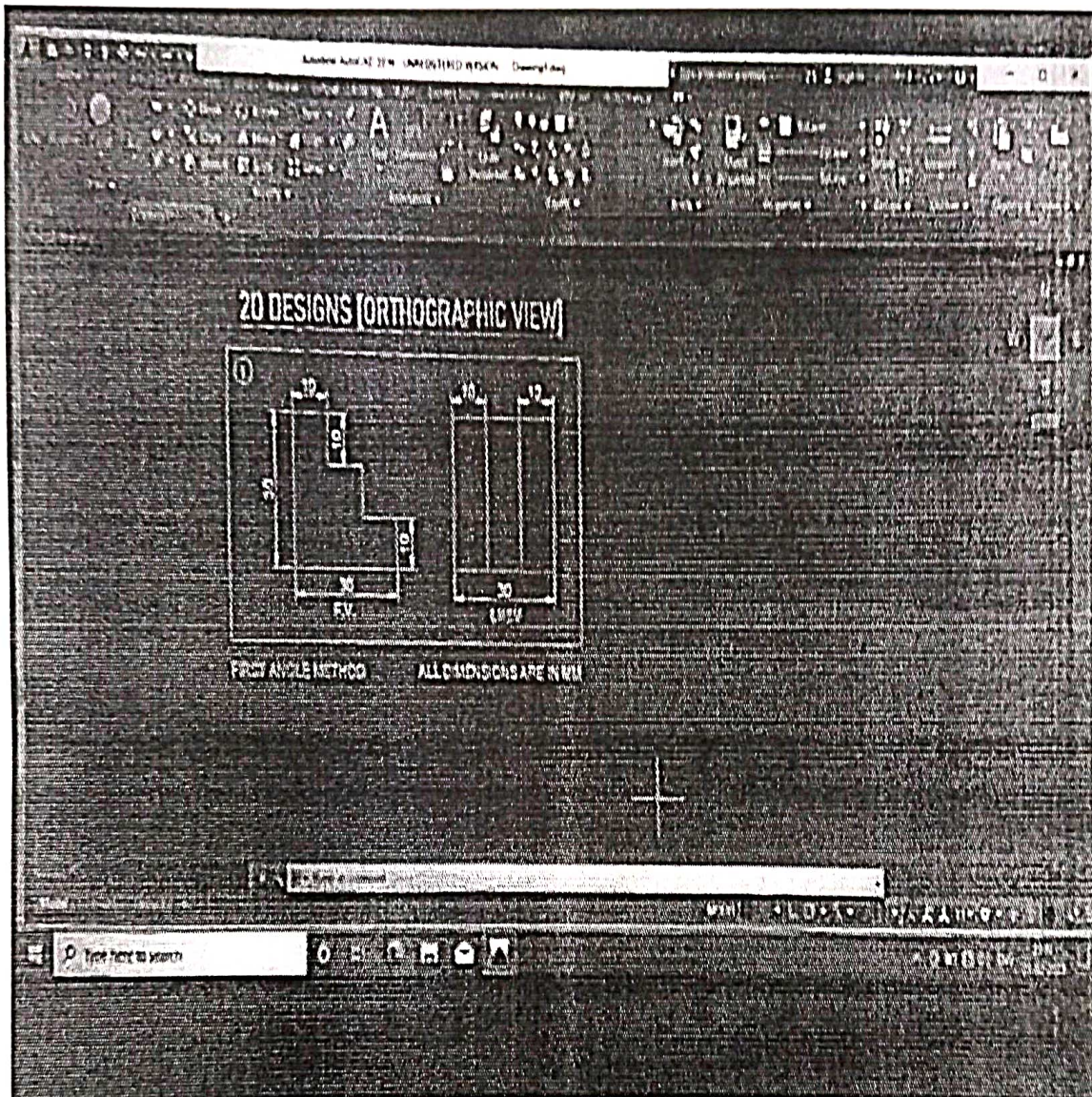
Faculty Coordinators: Dr.S.S. Metkar & Prof. K.P. Nazare.


Dr. Sangeeta Metkar
Head
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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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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


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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


 Dr. Saiganta Matkar
 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere Rajgad - 402103 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: -

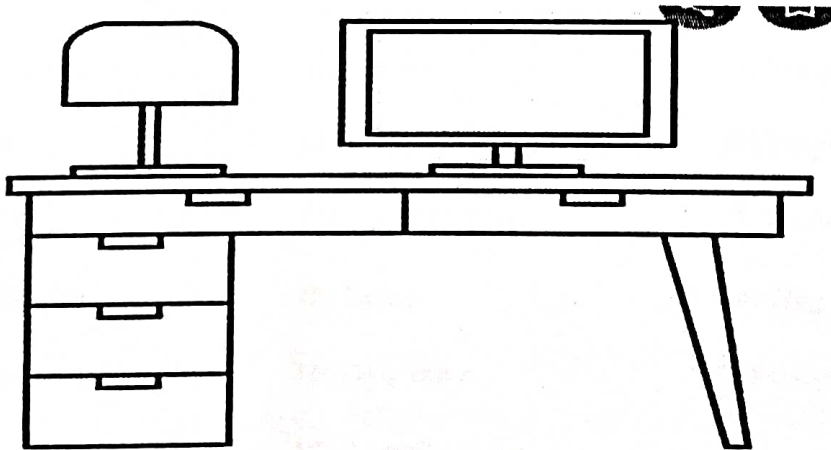
- Direct Select Method
- Left to Right
- Right to Left

3. Grips

4. Selection Command

Assignment No.02

Draw 2D diagram




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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

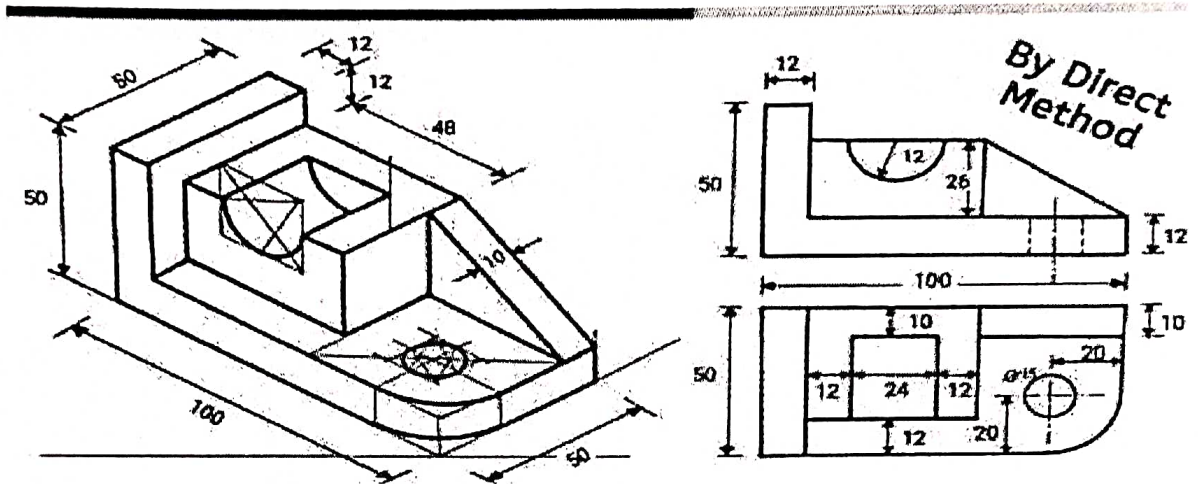
- Draw any 10 Symbols

- | | | |
|---------------------|---------------------|-----------------|
| 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 | |

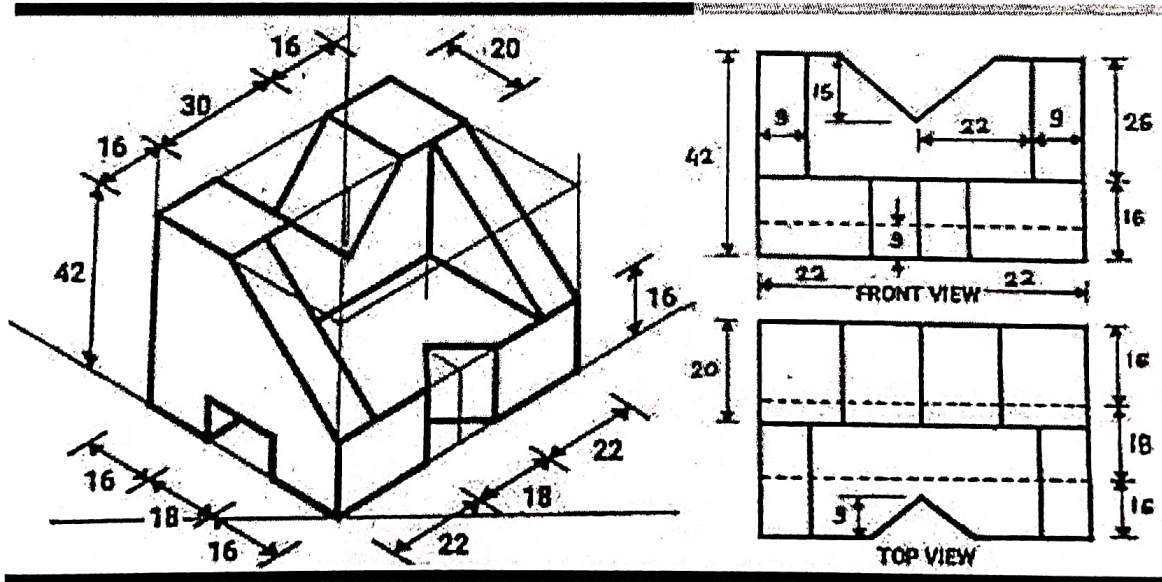

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Assignment No.05

Problem No.01 2D Designs



Problem No.02 2D Designs



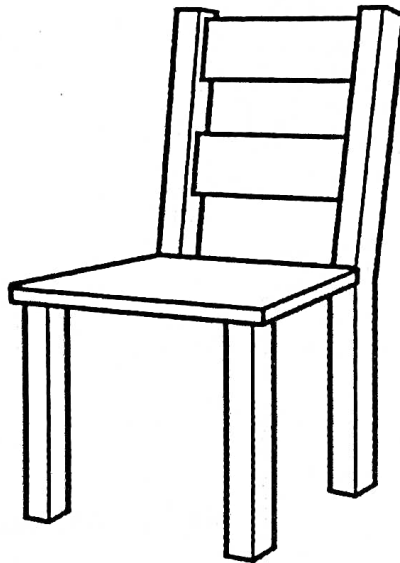

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Assignment No.05

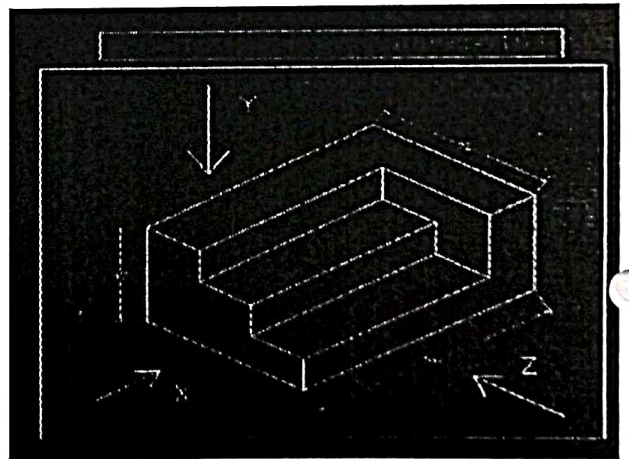
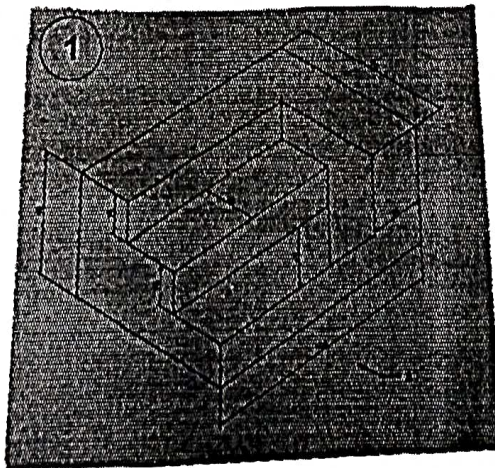
Assignment work - 3D Design

1. Draw 3D Box of 100 unit

2.



3.



4. 3D Circle----

*Ellipse - • Isometric Circle...

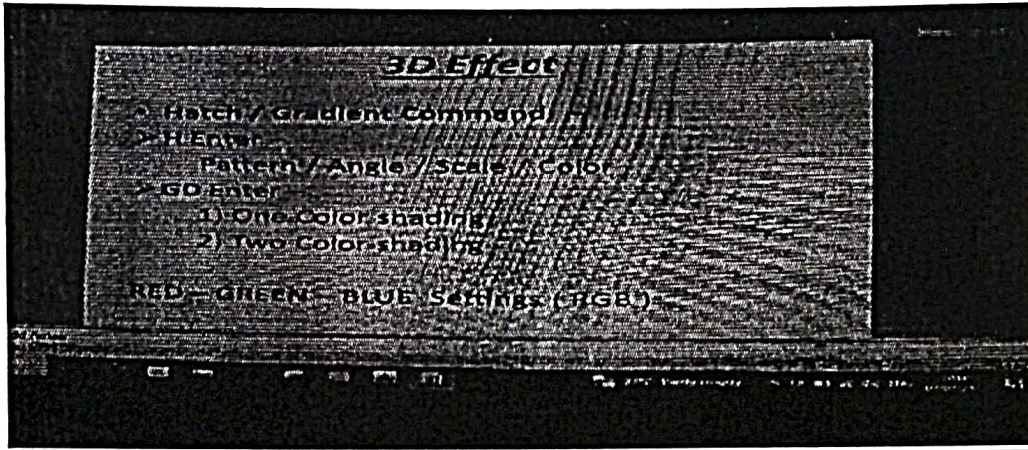
Major Axis & Minor Axis

- Draw Centre lines
- Shortcut - el enter


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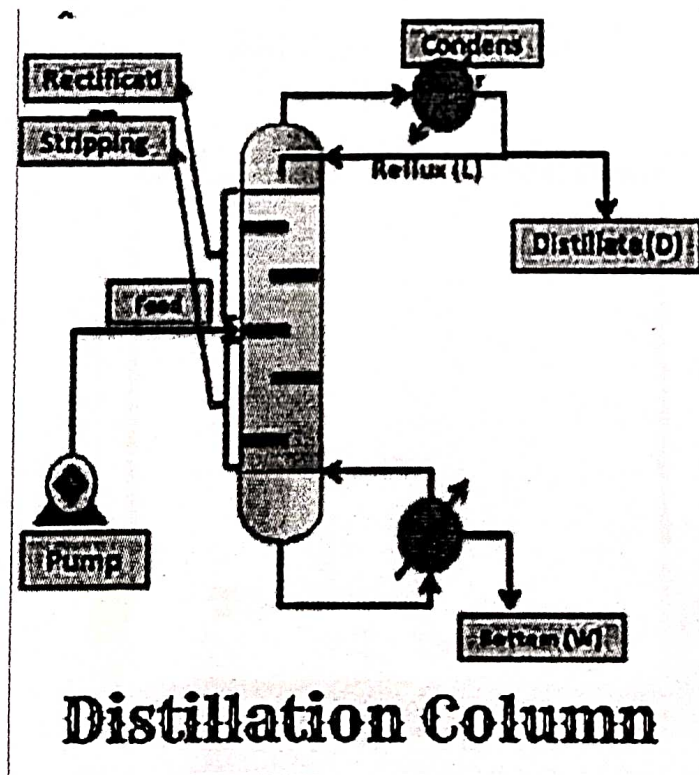
Assignment No.06


3D Drawing using following commands



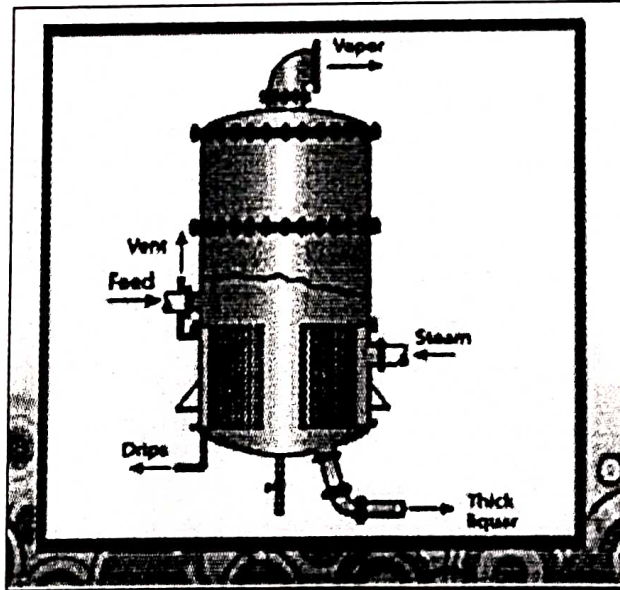
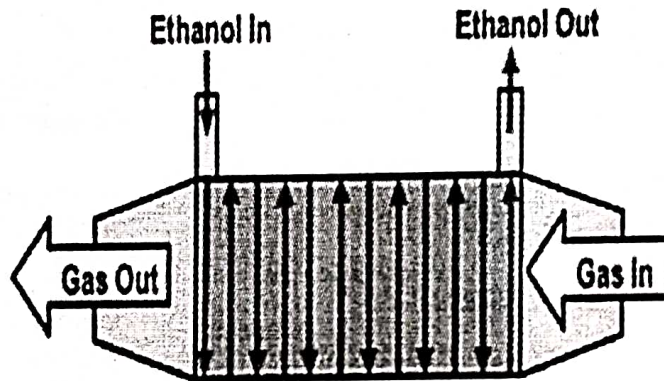
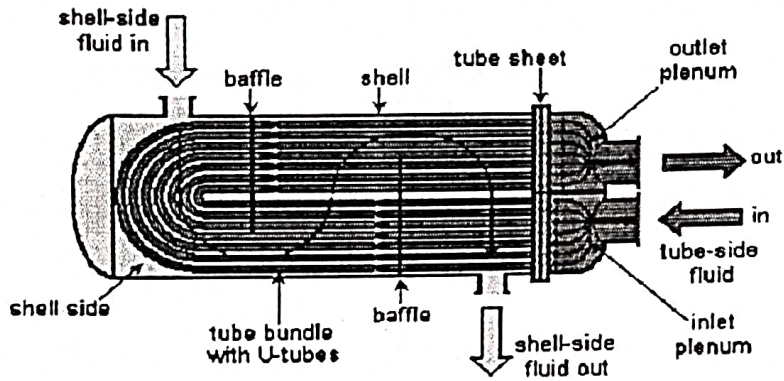
Assignment No.07

Chemical Engineering related drawing



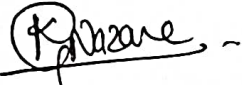

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U-tube heat exchanger




Dr. Sargada Melkar
Head
Department of Petrochemical Engineering
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It was really nice experiences for students as well as faculties to improve their knowledge base related to AutoCAD-Design Software. At the end of the workshop, faculty coordinator delivered vote of thank towards AutoCAD trainer Mr.Bhingare Sir. We would like to thank our Head of Department Dr. S. S. Metkar for doing needful to arrange the Design Software Worksop. We would like to thank the Registrar, Dean, academics and Assist. Registrar of the University for all Administrative Approvals.



Prof. Kanchan P. Nazare

Faculty Coordinator



Dr. S. S. Metkar

Head, Department of Petrochemical Engineering



Dr. Sangodh Metkar

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

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.

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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 Bhausahab 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


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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,


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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.

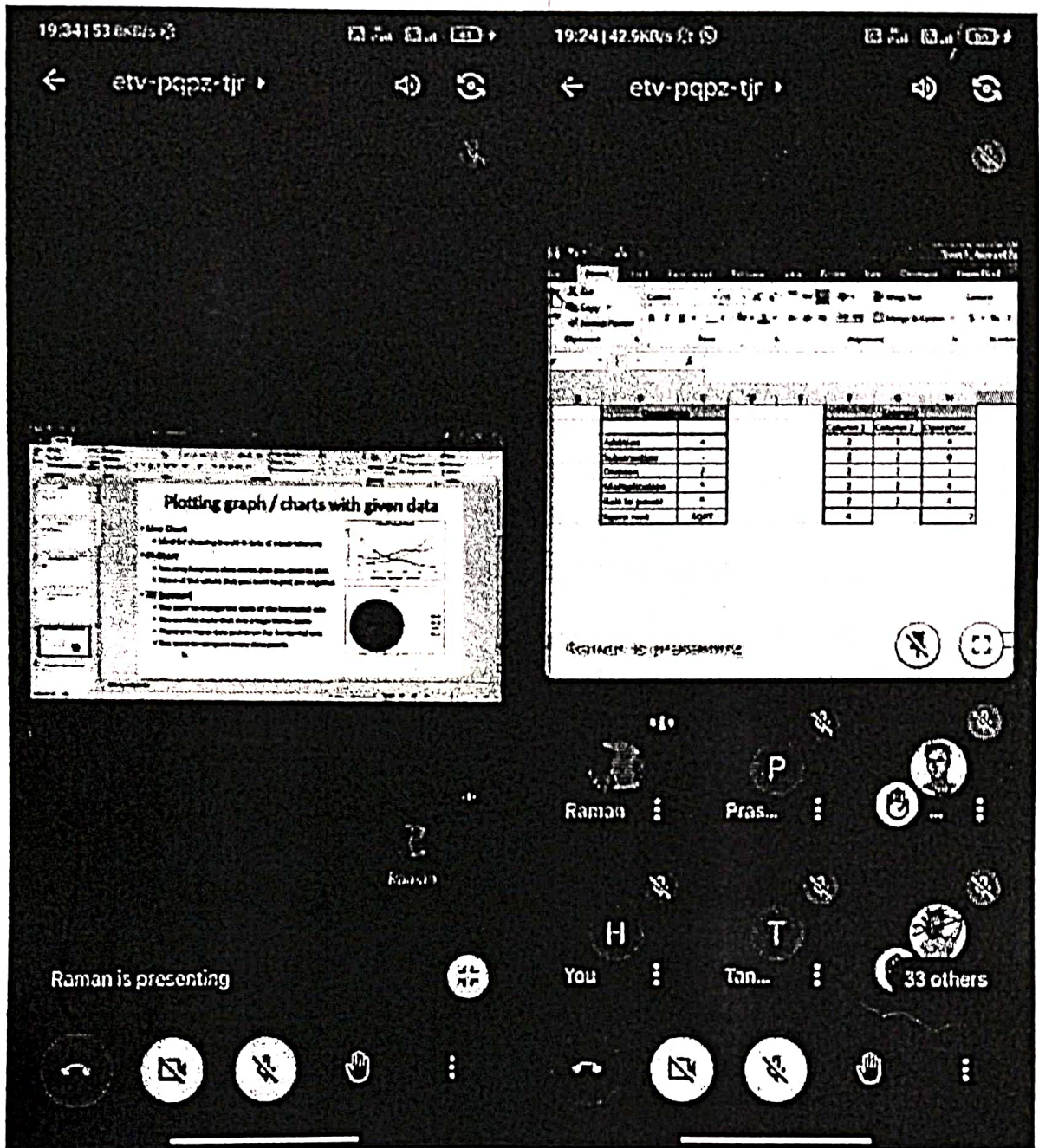
Module Nine: Chemical Reaction Equilibrium (2 hours)


Module Ten: Isothermal PFR (2 hours)

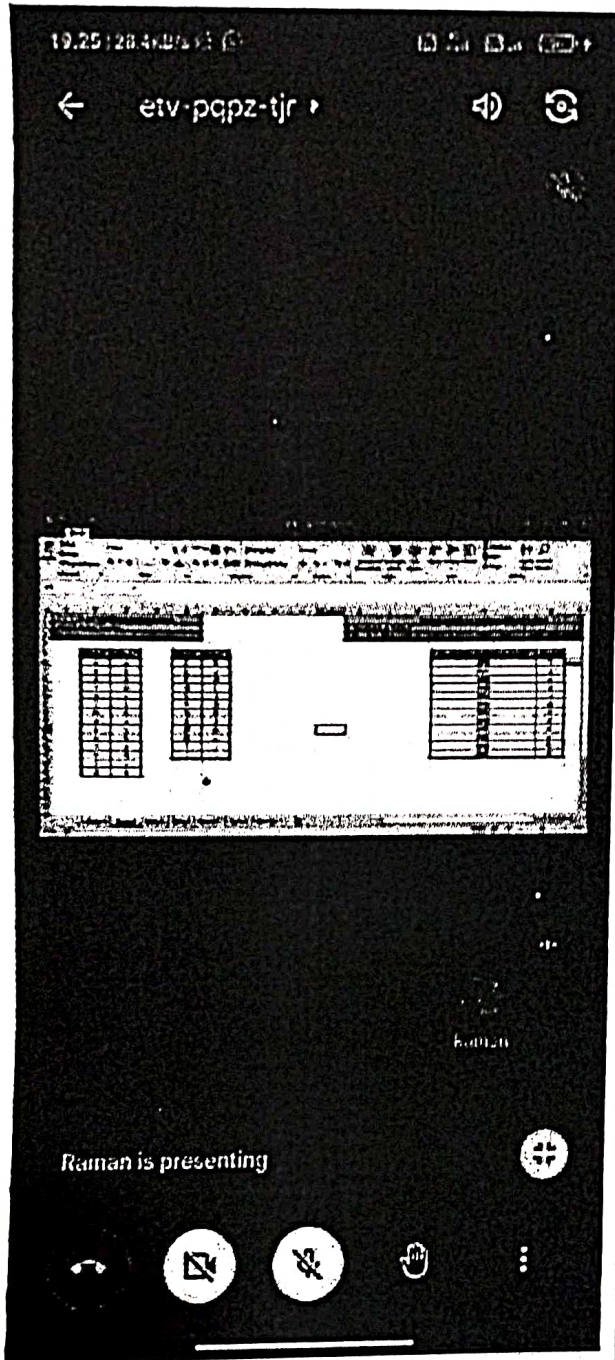
Module Eleven: Iso Thermal Flash Development of equation ((2 hours)

Module Twelve: Datouts and Problem Solving.


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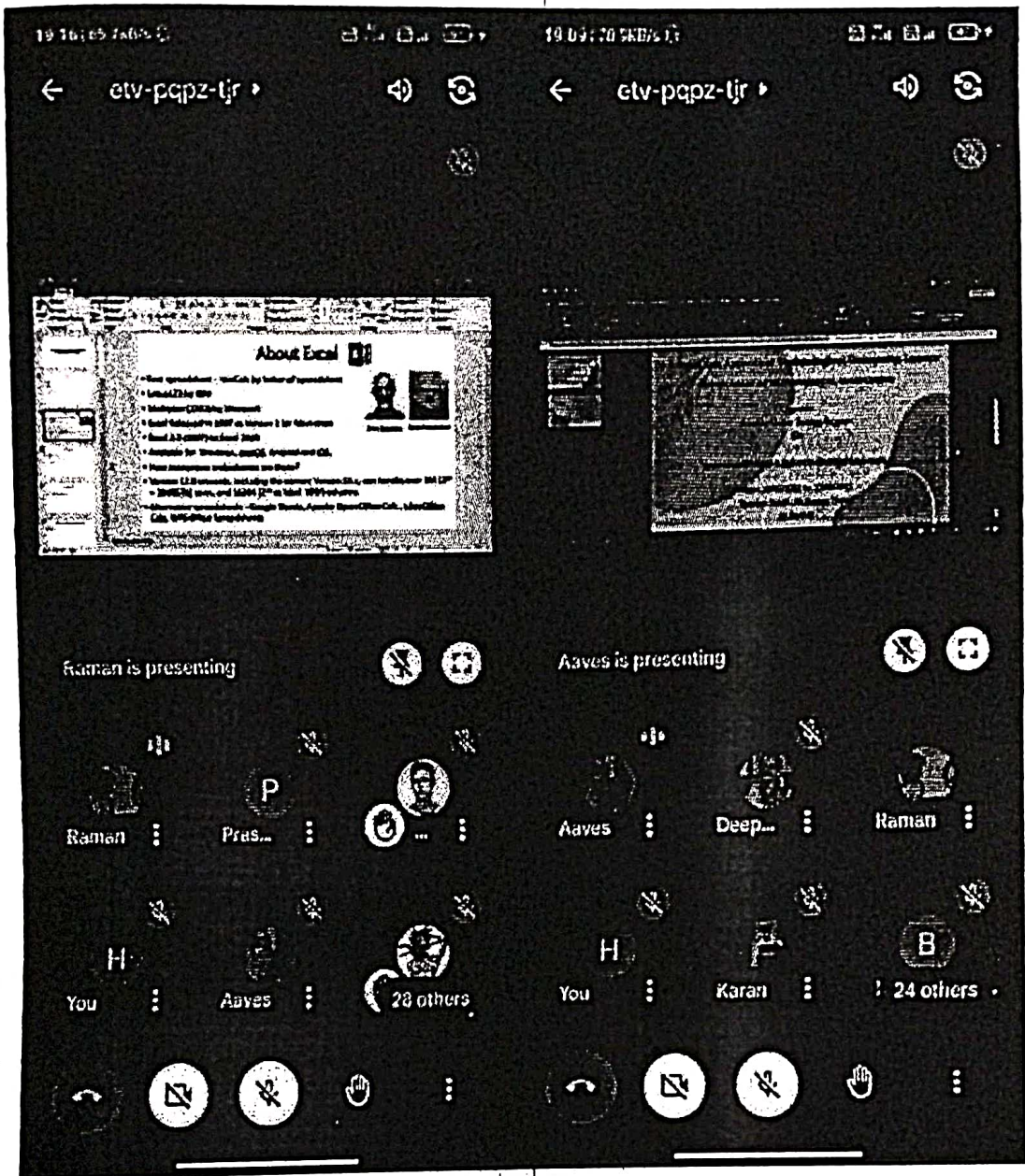


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About this call

People	Information	Activities
Raman Meeting host		
Raman (Presentatio... 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		


Dr. Sangpeta Metkar
 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
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Jadhav
Ms. Harshada Jadhav
 Faculty Coordinator

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

S. S. Metkar
Dr. Sangeeta Metkar
 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere 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>

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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 Greyeast 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 Greyeast 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.

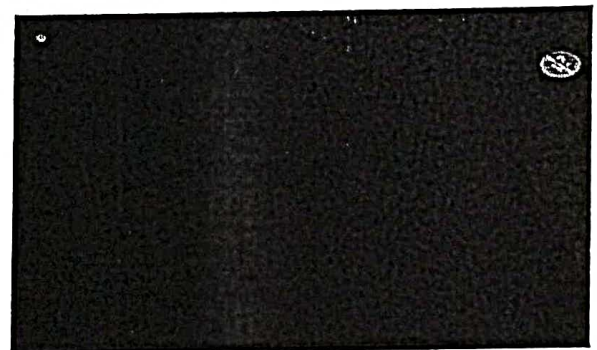
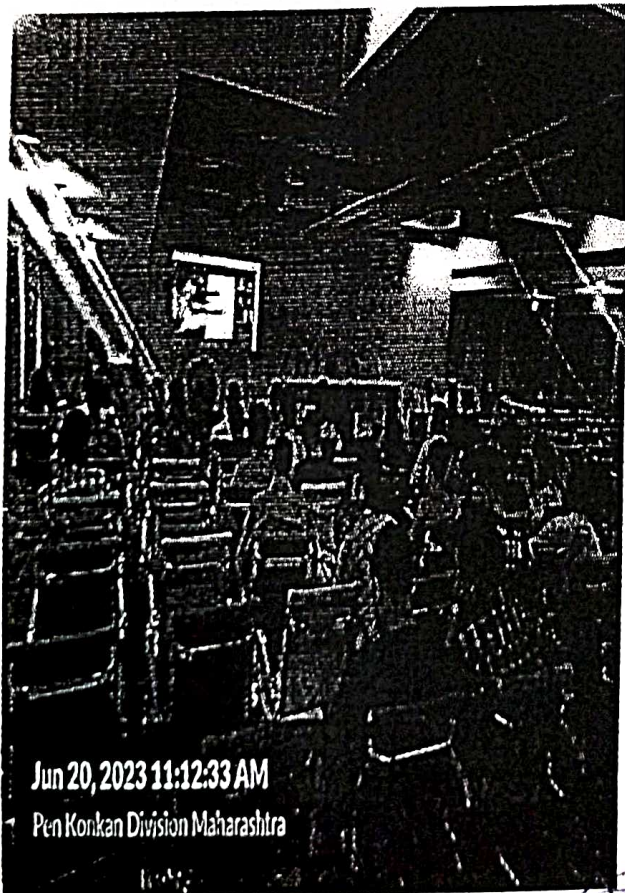
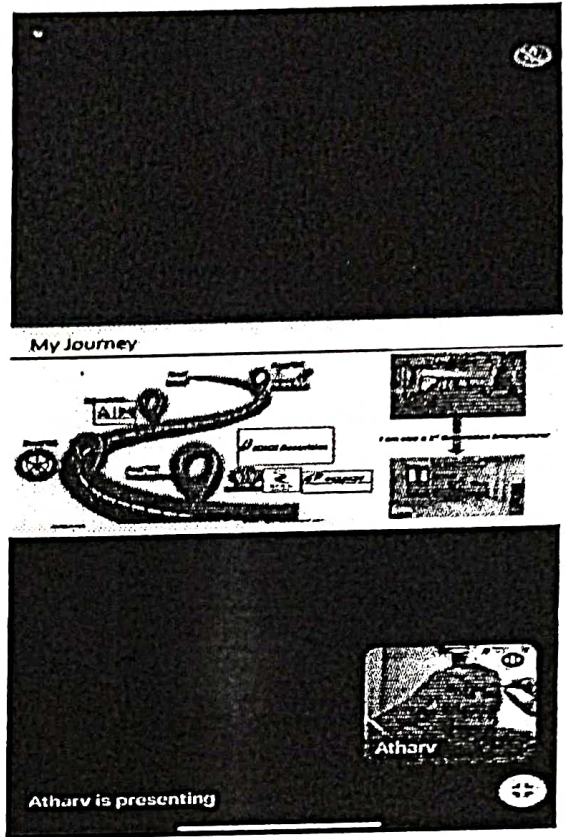
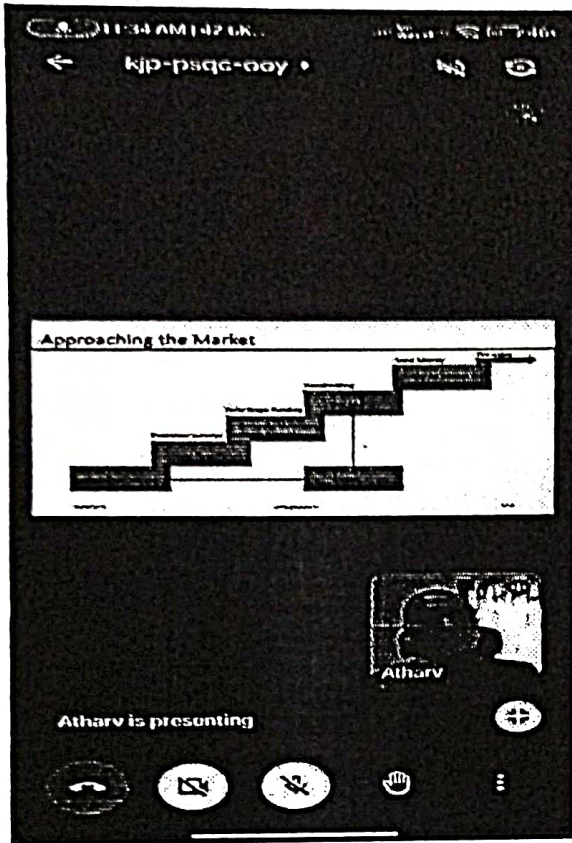
- **Point discuss during Webinar**

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.

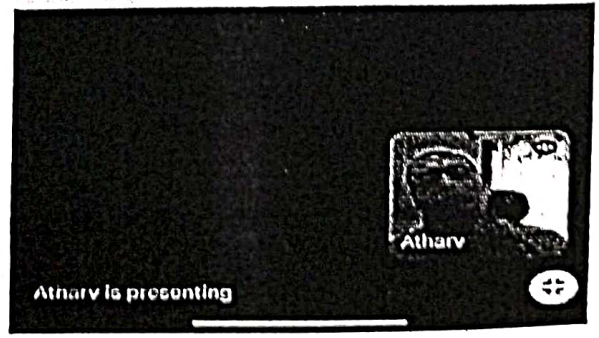
- **Participants**

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



<p>I am a graduate level student/undergraduate student looking for a project/proposal fund</p> <p>NIDHI PRAVAS</p> <p>With 10 lakh amount for project/proposal</p> <p>I am a post-graduate level student/undergraduate student looking for a project/proposal fund</p> <p>NIDHI PRAVAS</p> <p>With 20 lakh amount for project/proposal</p>	<p>I am a post-graduate level student/undergraduate student looking for a project/proposal fund</p> <p>NIDHI PRAVAS</p> <p>With 10 lakh amount for project/proposal</p> <p>I am a post-graduate level student/undergraduate student looking for a project/proposal fund</p> <p>NIDHI PRAVAS</p> <p>With 20 lakh amount for project/proposal</p>
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Dr. Sangoeta Metkar
 Head
 Department of Petrochemical Engineering
 Dr. Babasaheb Ambedkar Technological University
 Lonere Raigad - 402103 MS, India

About this call

People	Information	Activities
Ajay Katore		
Amar Nilgave 7009		
Anis Kawlekar		
Atharv patankar		
Atharv patankar (Pr...		
Ayush_Ash		
Hritik Khandagale		
Lumbinee Bansode		
Nitish Maska		
Pankhuri Kumbhare		
Patil Prajakta		
PRANIT		
prathmesh dombe		
Radha Katore		
Rohan Dhawale		

About this call

People	Information	Activities
kanchan Nazare	Meeting host	
20-7005Ritik Bhost...		
20-7023 SAHIL CH...		
AKASH AGLAVE		
Akshay Koli		
Amar Nilgave 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. S. Metkar

Dr. Sangeeta Metkar

Head

Department of Petrochemical Engineering

Dr. Babasaheb Ambedkar Technological University

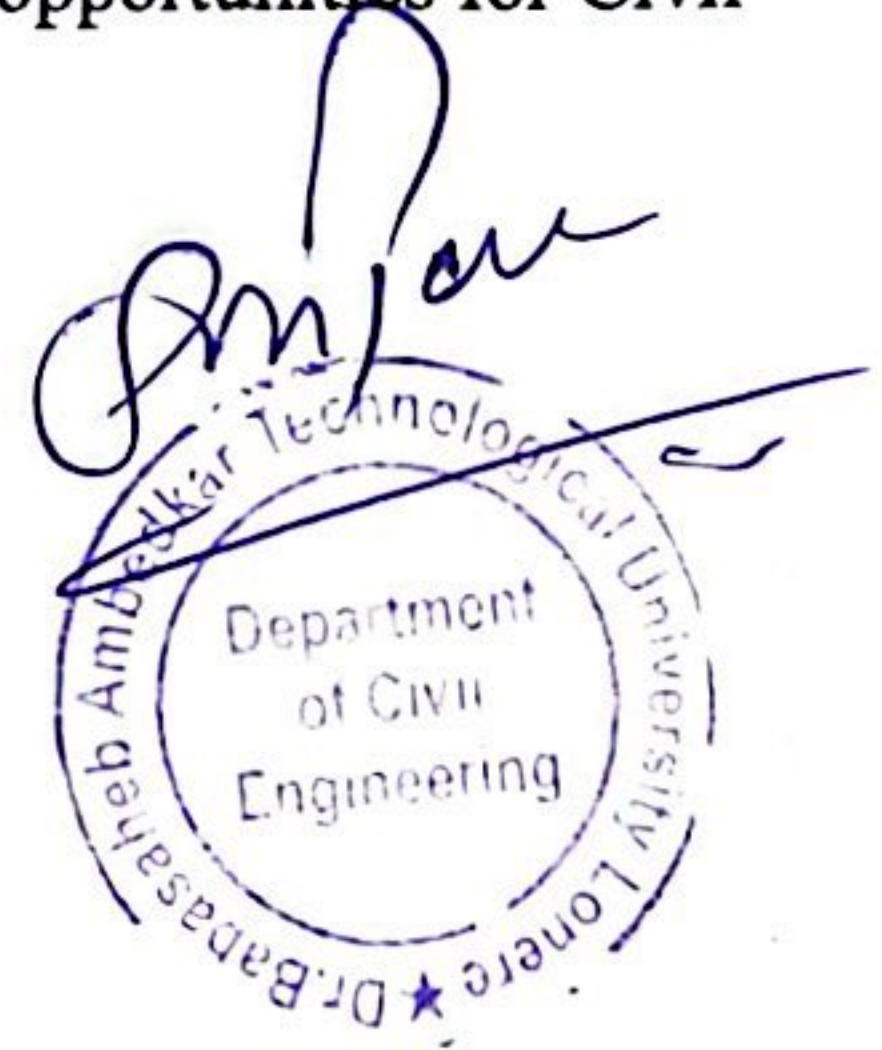
Lavasa, Raigad - 402103, India

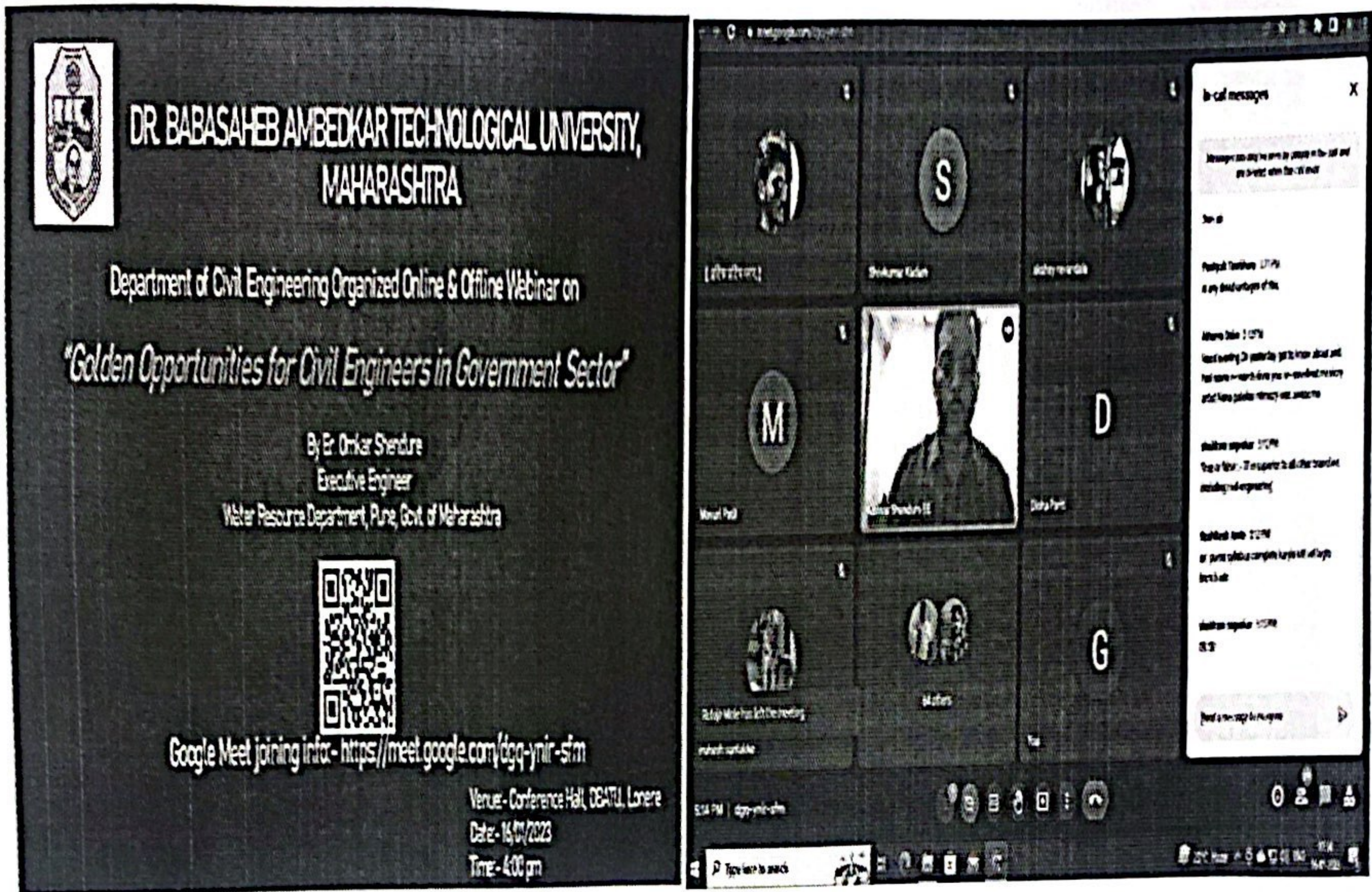
Seminar and Guest-Lecture

1. 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, Dated.29/12/2022

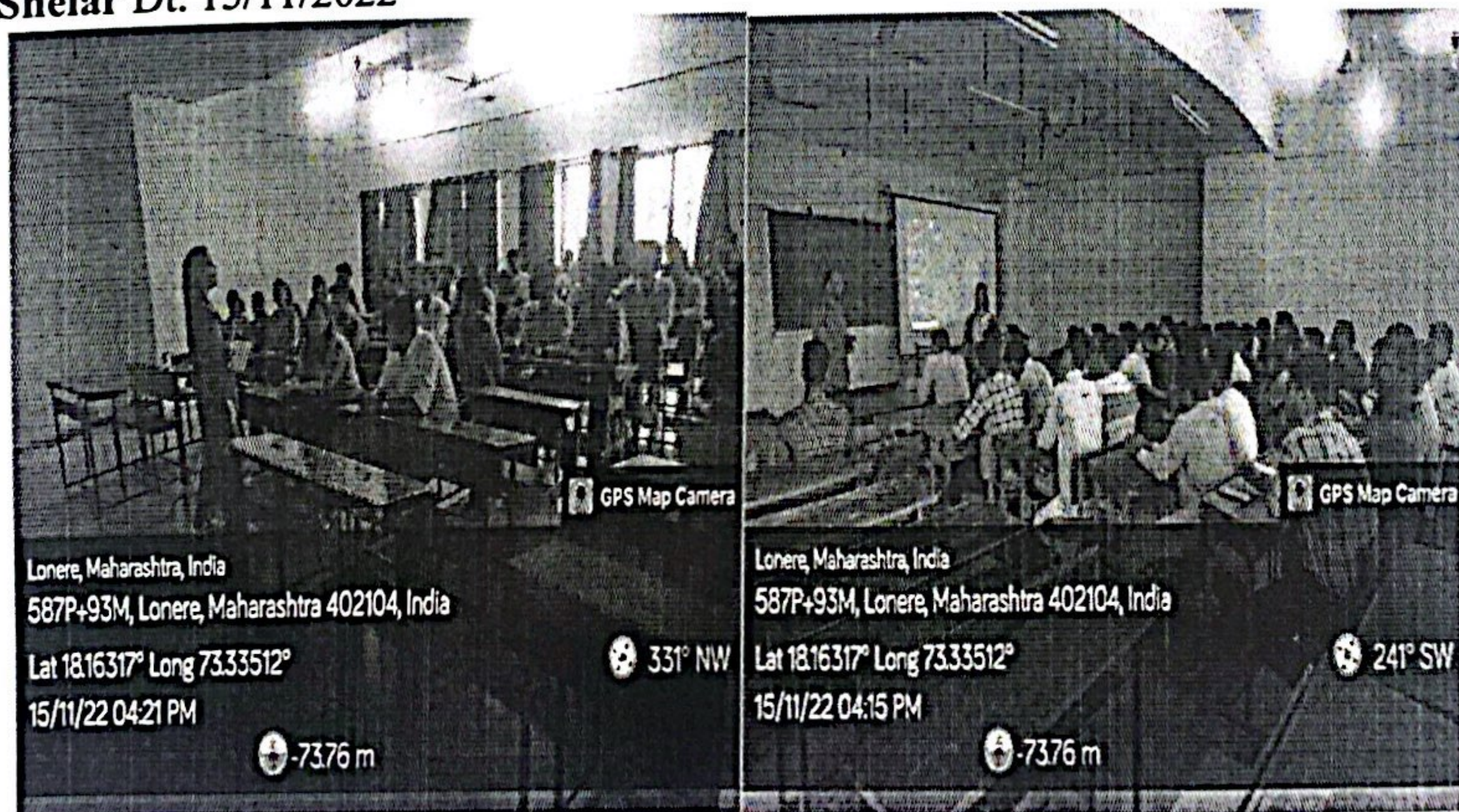


2. Department of Civil Engineering organized Webinar on Golden opportunities for Civil Engineers after B. Tech in Government sector Dt.17/01/2023

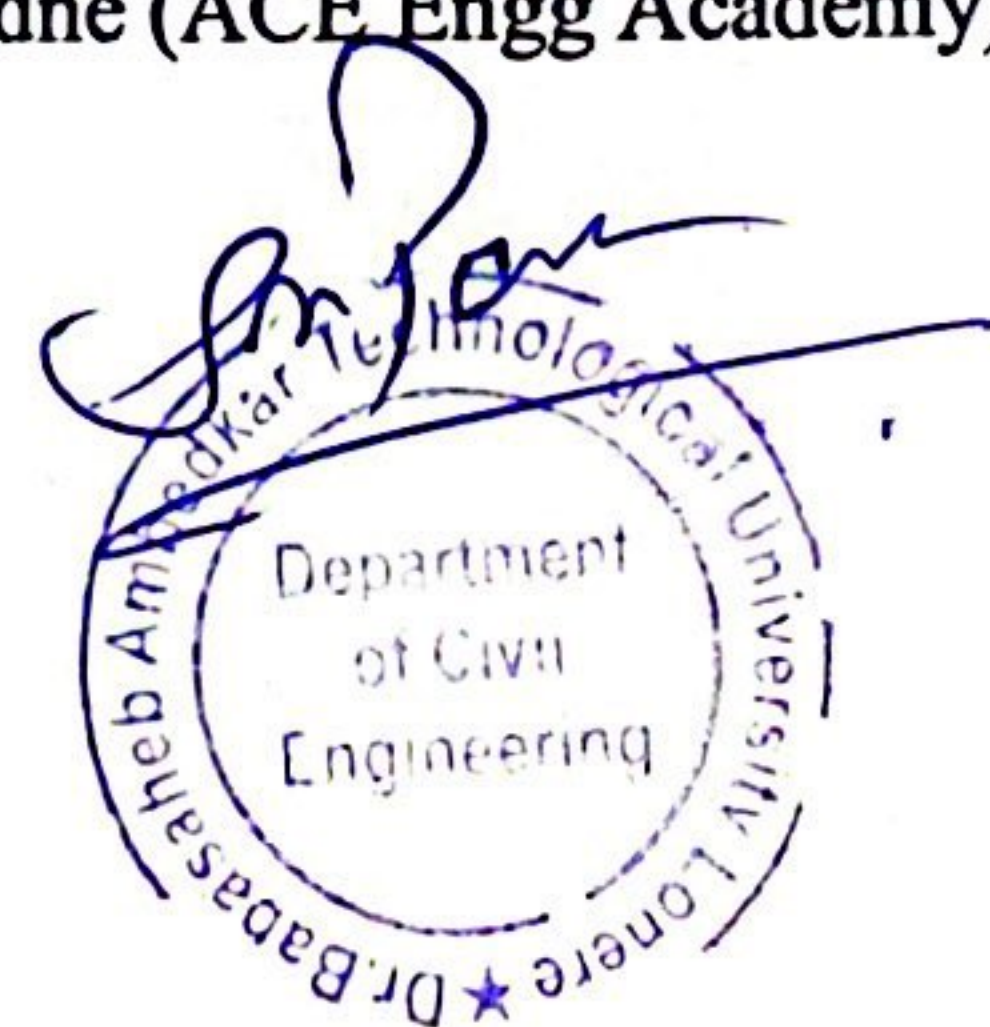




3. Department of Civil Engineering organized Guest lecture on AutoCAD by Anita Shelar Dt. 15/11/2022



4. 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. BABASAHEB AMBEDKAR
TECHNOLOGICAL UNIVERSITY
LONERE**



SEMINAR



06 DEC 2022

2:00 PM - 3:30 PM

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



*Mr. Shankar Wadga, Speaker
Faculty, ACE Engineering Academy*

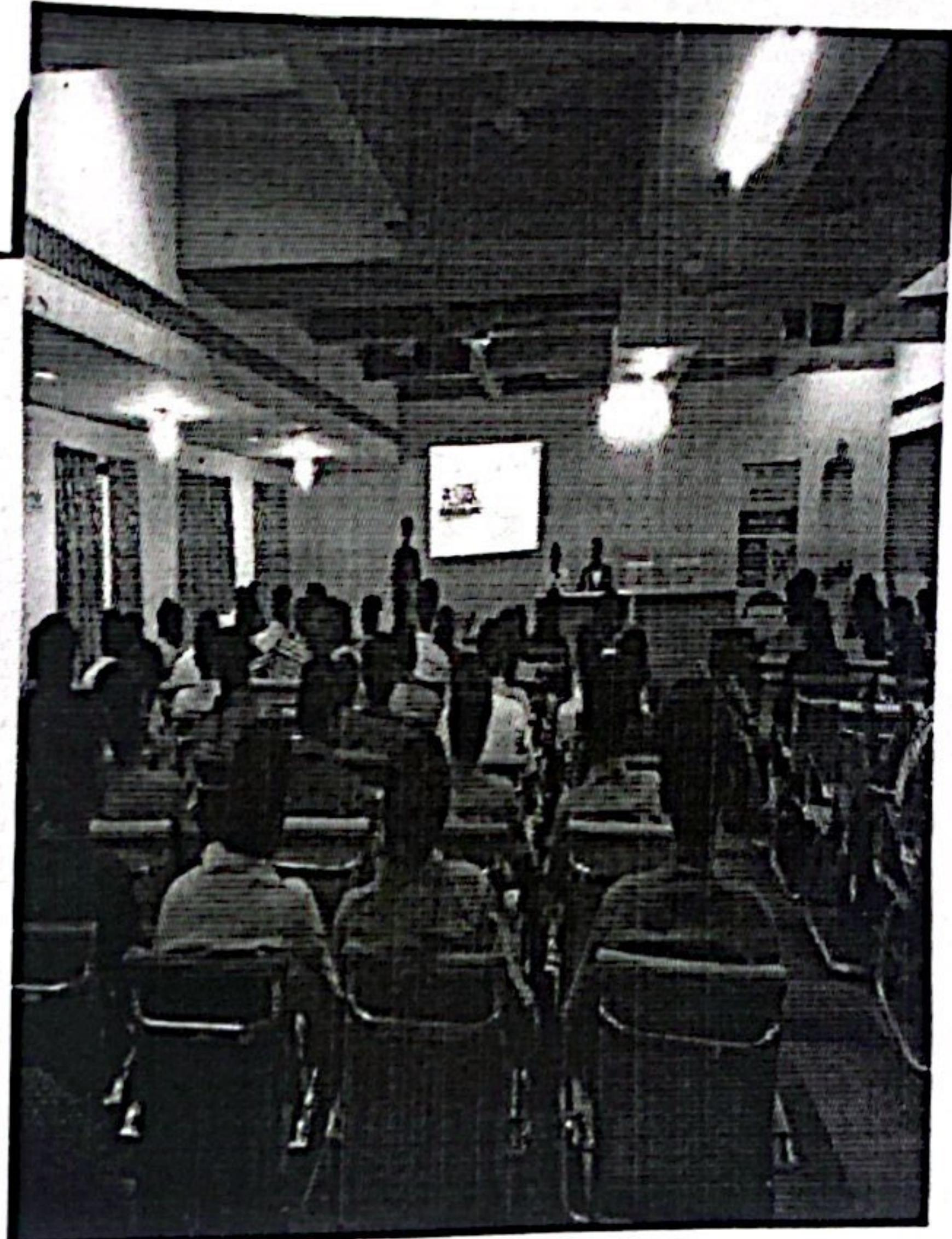
Organized for:
Civil Engineering

Organized by:
Dr. S.R. Bhagat sir
HOD, Civil Engineering Dept.
Dr. B. R. Legad Sir
Asst. Professor, Civil Engineering Dept.

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Shankar Wadga
Department of Civil Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere