

Mechanical Engineering Department

Cultural / Co-curricular/ Extra-curricular Activities

AY 2020-2021 (ODD Semester)

Departmental Activities Incharge: Mr. Dhiraj Bhandarkar

INDEX

Sr. No.	Activity Name	Activity Type (Workshop/ Conference/Webinar etc.)	Start & End DD/MM/YY	Page Number
1	Online Training Program on “Satellite Photogrammetry and its Application”	ISRO Training Program	29 th June to 03 rd July 2020	01 – 01
2	Online Training Program on “Geospatial Inputs for Enabling Master Plan Formulation”	ISRO Training Program	27 th to 31 st July 2020	02 – 02
3	One day Webinar on “Career opportunities for fresh graduates of Mechanical Engineering with GATE preparation”	Webinar	04 th Aug. 2020	03 – 04
4	One day Webinar on “Career opportunities in Piping Design engineering & Construction”	Webinar	05 th Aug. 2020	05 – 06
5	Online Training Program on “Remote Sensing Applications in Agricultural Water Management”	ISRO Training Program	03 rd to 07 th Aug. 2020	07 – 07
6	Online Training Program on “Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System”	ISRO Training Program	17 th Aug. to 20 th Nov. 2020	08 – 08
7	Expert talk on “A Roadmap To Defence Service”	Expert Talk	24 th Aug. 2020	09 – 09
8	Expert talk on “Physical and Mental wellness to survive COVID-19 wave”	Expert Talk	29 th Aug. 2020	10 – 12
9	Online Training Program on “Scientific Research Paper writing and publication” on the occasion of Teacher’s Day	Expert Talk	05 th Sept. 2020	13 – 14
10	Online Training Program on “Global Navigation Satellite System”	ISRO Training Program	14 th to 25 th Sept. 2020	15 – 15
11	Topic presentation on recent development in Mechanical engineering on the occasion of Engineer’s day	Competition	15 th Sept. 2020	16 – 17
12	Expert talk on “3D PRINTING & Its Applications”	Expert Talk	19 th Sept. 2020	17 – 20
13	Online Training Program on “Understanding of Coastal ocean processes	ISRO Training Program	21 st to 25 th Sept. 2020	21 – 21

	using Remote Sensing and Numerical Modelling”			
14	Online Training Program on “Scientific Research Paper writing and publication: Pre-research writing tools”	Expert Talk	26 th Sept. 2020	22 – 32
15	Expert talk on “GATE, MES, and PSUs preparation”	Expert Talk	17 th Oct. 2020	33 – 36
16	Expert Lecture series on “360 Degree Career Counselling for future Engineers" Session 01: Higher studies in Abroad after Engineering	Expert Talk	05 th Nov. 2020	37 – 39
17	One day Webinar on “Industry 4.0”	Webinar	06 th Nov. 2020	40 – 43
18	Expert Lecture series on “360 Degree Career Counselling for future Engineers" Session 02: Career Opportunities and Fundamental Design of Rooftop Solar Power Plant	Expert Talk	10 th Nov. 2020	44 – 45



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



COR6123732020

बहिः परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि श्री विले पार्ले केलवानी मंडल प्रौद्योगिकी संस्थान, धुले ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम "सैटेलाइट फोटोग्राममेट्री और उसका अनुप्रयोग" में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 29 जून, 2020 से 03 जुलाई, 2020 तक किया गया।

This is to certify that **Shri Vile Parle Kelvani Mandal's Institute of Technology, Dhule**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on "**Satellite Photogrammetry and its Application**". This online programme was conducted during June 29, 2020 to July 03, 2020.

दिनांक/ Date: 11-08-2020
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



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This is to certify that **Shri Vile Parle Kelvani Mandal's Institute of Technology, Dhule**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on “**Geospatial Inputs for Enabling Master Plan Formulation**”. This online programme was conducted during July 27, 2020 to July 31, 2020.

दिनांक/ Date: 16-09-2020
देहारादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
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Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

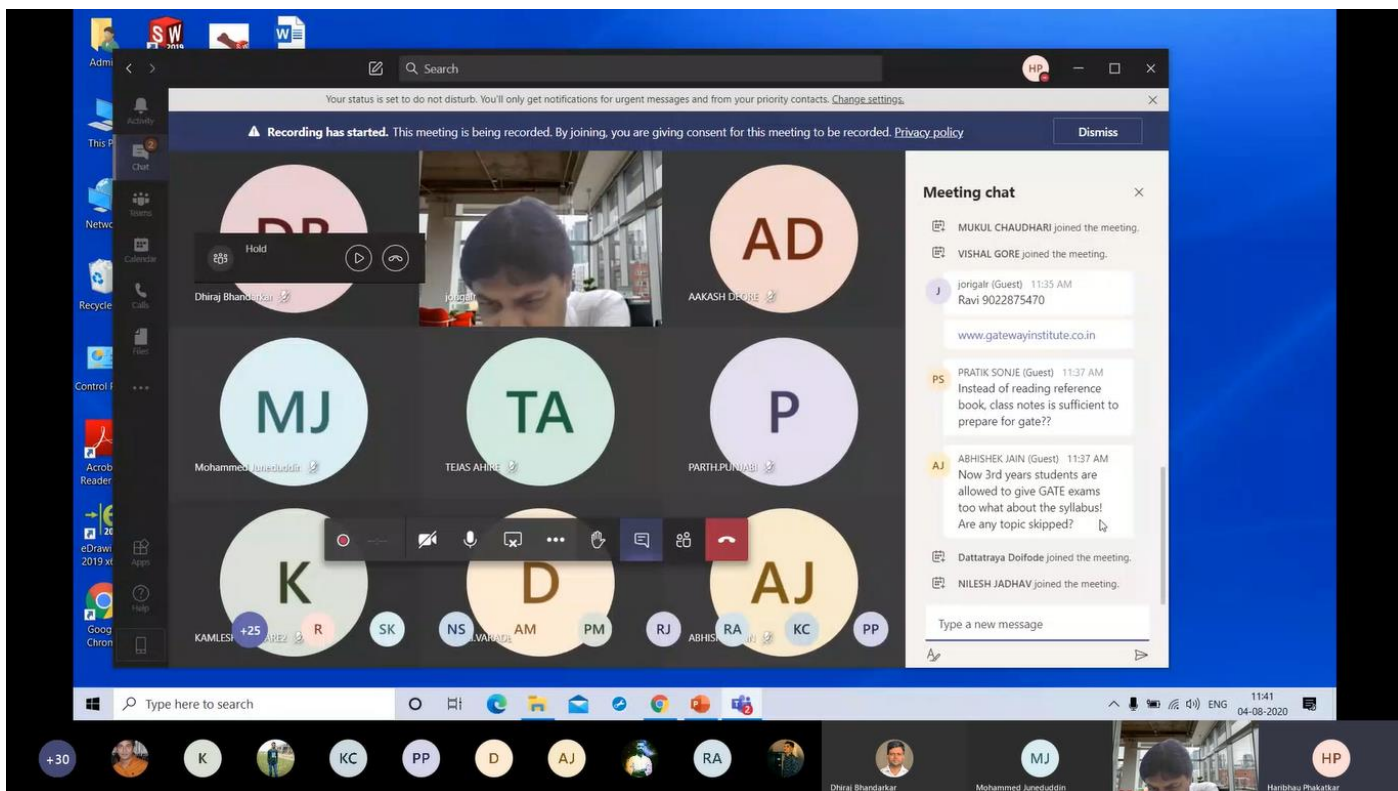
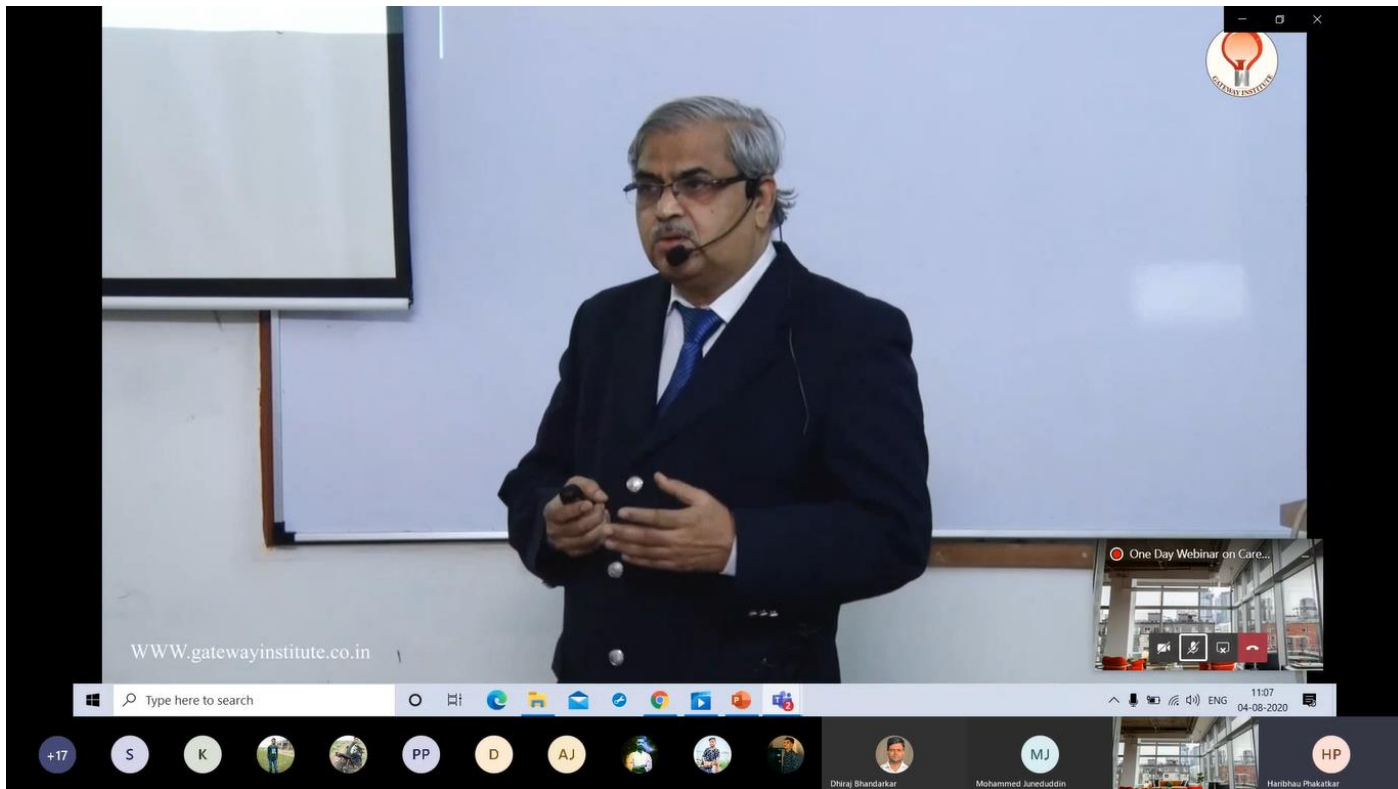
Shri Vile Parle Kelavani Mandal's
INSTITUTE OF TECHNOLOGY, DHULE
Department of Mechanical Engineering
One Day Webinar Report on
“Career opportunities for fresh graduates of Mechanical Engineering with
GATE preparation”
(via: In a virtual environment: “MS TEAM”)

The online session was organized by Mechanical Engineering Department, SVKM's IOT, Dhule in collaboration with Asian Academy on **04th August 2020** to know the career opportunities in government, private & public sectors for fresh graduate of mechanical engineer after GATE examination.

The session started with Assistant Professor of Mechanical Engineering Department Mr. Dhiraj Bhandarkar introduce & honoring to guest **Dr. H. G. Phakatkar**

The Graduate Aptitude Test in Engineering (GATE) is an examination that primarily tests the comprehensive understanding of various undergraduate subjects in engineering and science for admission into the Master's Program of institutes as well as jobs at Public Sector Companies. GATE is conducted jointly by the Indian Institute of Science and seven Indian Institutes of Technologies at Roorkee, Delhi, Guwahati, Kanpur, Kharagpur, Chennai (Madras) and Mumbai (Bombay) on behalf of the National Coordination Board – GATE, Department of Higher Education, Ministry of Human Resources Development (MHRD), Government of India. The GATE score of a candidate reflects the relative performance level of a candidate. The score is used for admissions to various post-graduate education programs (e.g. Master of Engineering, Master of Technology, Master of Architecture, Doctor of Philosophy) in Indian higher education institutes, with financial assistance provided by MHRD and other government agencies. Recently, GATE scores are also being used by several Indian public sector undertakings for recruiting graduate engineers in entry-level positions. It is one of the most competitive examinations in India. GATE is also recognized by various institutes outside India, such as Nanyang Technological University in Singapore. After the question and answer session taken and then vote of thanks were concluded by Asst. Prof. Dhiraj Bhandarkar.

Photos:



Shri Vile Parle Kelavani Mandal's
INSTITUTE OF TECHNOLOGY, DHULE

Department of Mechanical Engineering

One Day Webinar Report on

“Career opportunities in Piping Design engineering & Construction”

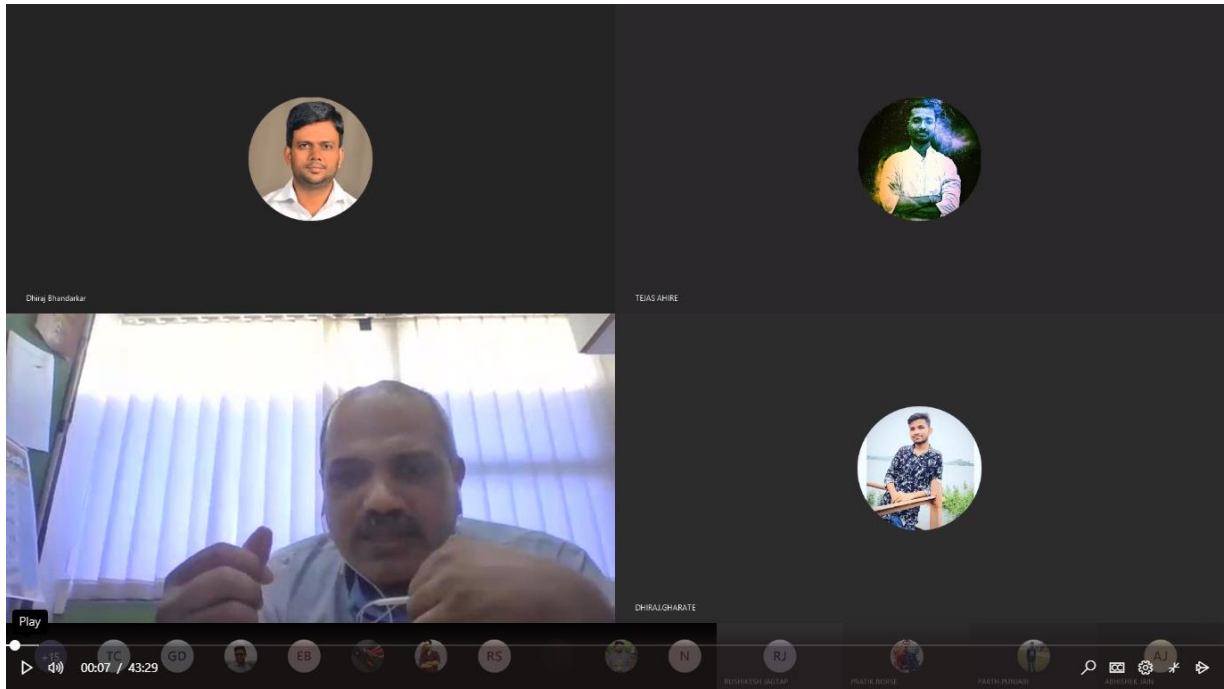
(via: In a virtual environment: “MS TEAM”)

The online session was organized by Mechanical Engineering Department, SVKM's IOT, Dhule in collaboration with Asian Academy on **05th August 2020** to know the career opportunities in government, private & public sectors for fresh graduate of mechanical engineer after GATE examination.

The session started with Assistant Professor of Mechanical Engineering Department Mr. Dhiraj Bhandarkar introduce & honoring to guest **Mr. Pramod Deshmukh**

We also conduct in-house training programs for industries as per need. We also conduct preparatory courses for API certification. We conduct large number of in-house corporate training programs for various industries in India including Reliance Industries Ltd. as well as overseas. Our associate faculties are senior professionals from industries with outstanding achievement to their credit. They had held high positions (up to level of board of directors Vice President & General Managers) with reputed industrial houses and multinational companies in India and abroad. They have conducted industrial training programs for managers and senior professionals from several countries like Malaysia, Indonesia, Singapore, Egypt, Saudi Arabia, UAE, Kuwait, Qatar, USA and also from India. They had been faculty for international certification programs like American Petroleum Institute (API) Certification, American Society for Non-Destructive Testing (ASNT) certification, American Welding Society (AWS) certification, National Association for corrosion Engineers (NACE). Besides these programs useful training courses in Heat Exchanger (TEMA), Pressure vessels (ASME), Boiler (IBR) Piping System, Plant Design and other Mechanical, Metallurgy, Chemical and Process Industries. After the question and answer session taken and then vote of thanks were concluded by Asst. Prof. Dhiraj Bhandarkar.

Photos:



PIPING ENGINEERS



- Consulting Engineers
- Refineries & Jetty
- EPC, LSTK, PMC, EPCM Organization
- Chemical Process Companies
- Pharma & Fertilizer
- 3D Modeling Firms
- Inspection & Third Party Review
- Cross Country Contractors
- Mechanical Contractor
- Packaging Contractor
- Maintenance Crew
- Food & Beverage
- Utility & Water Supply

Specialization in :

- Hydro Power, Co-Generation, Atomic Power
- Solar & Tidal Power
- Natural Resources (Crude Oil Extraction)
- Marine Engineering
- Launch Pad (Satellites & Military)



OPPORTUNITIES





भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



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This is to certify that **Shri Vile Parle Kelvani Mandal's Institute of Technology, Dhule**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on “**Remote Sensing Applications in Agricultural Water Management**”. This online programme was conducted during August 03, 2020 to August 07, 2020.

दिनांक/ Date: 24-09-2020
देहारादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
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Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

COR6423732020

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि श्री विले पार्ले केलवानी मंडल प्रौद्योगिकी संस्थान, धुले कार्यरत श्री महेश राजकुमार दलवानी, ने “रिमोट सेन्सिंग, जीआईएस और जीएनएसएस के मूलभूत सिद्धांत” विषय पर इस संस्थान द्वारा दिनांक 17 अगस्त, 2020 से 20 नवंबर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **MR. MAHESH RAJKUMAR DALWANI**, working with **Shri Vile Parle Kelvani Mandal's Institute of Technology, Dhule**, has coordinated the online training course on “**Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System**” conducted by this institute during August 17, 2020 to November 20, 2020.

दिनांक/ Date: 29-12-2020
देहरादून/ Dehradun


प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS


समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

**SVKM's Institute of Technology
Department of Mechanical Engineering**

Guest Lecture on - 'A Roadmap To Defence Service'

Mr. Lalit Adhave conducted the guest lecture on **24th August 2020**, for all the students of Mechanical Department. **Mr. Lalit Adhave** is working as the **Assistant Commandant** under the **Ministry of Home Affairs** in the **Government of India**.

Topics covered-

- Examination conducted by UPSC
- Different postings of CAPF
- Right time to start
- Army, Air-Force, Navy
- Criteria of Examination
- Standard reference books
- University Entry Scheme
- Concentration techniques

During two hours of session, students came to know about various competitive exams. Students were highly motivated by his guidance.

Guest lecture organized by: Mr. Mahesh Dalwani

Shri Vile Parle Kelavani Mandal's
INSTITUTE OF TECHNOLOGY, DHULE
Department of Mechanical Engineering

A Guest Lecture Report on
“PHYSICAL AND MENTAL WELLNESS TO SURVIVE COVID 19 WAVE”
“Fitness – The quality or state of being fit and healthy”

The online session was organised by Mechanical Engineering Students Association (MESA), SVKM's IOT, Dhule on 29th of August 2020 to know the importance of fitness and nutrition in our human life.

The session started with Coordinator of Mechanical Engineering Department Mr. Mohammed Juneduddin sir honouring to guest Mr. Vinay Suryawanshi.

Mr. Vinay guided about the physical fitness as it is the state of health and well-being and more about it is the ability to perform various activities such as sports, occupations and our daily activities. It can be properly achieved through proper nutrition, moderate vigorous physical exercise and sufficient rest. He told by doing just one hour exercise daily we can be disease free such as it will help us in controlling blood pressure, cancer prevention, immune system can be strong, weight will be controlled, mental health will be improved.

Photos –

Shri vile Parle Kelavani Mandal's
Institute of Technology, Dhule

MESA
SVKM'S
IOT

Mr. Vinay Suryawanshi
National Level cricket & basketball player
Mr Maharashtra King 2k19
Mechanical engineer (Mumbai University)
Certified Fitness Coach , Certified Nutritionist
Certified Functional & Cross trainer
Sports Injury & Rehab Specialist

JOIN WITH US!
Date
29/08/2020
Time
11.00 am

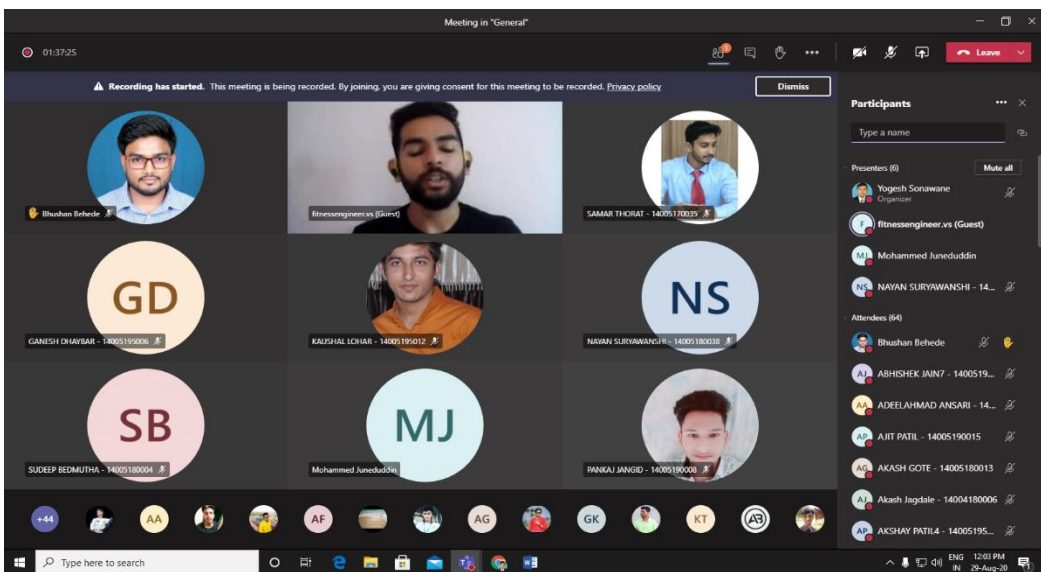
MESA
(Mechanical Engineering Student Association)
Celebrating "National Sports Day"

for further Updates Join our Whatsapp Group or Contact
8308864019

Topic
Physical & Mental wellness to survive
Covid-19 wave!



Starting of the session



Participants attending the session

01:18:47

Request control

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy

Dismiss

dos.google.com/presentation/...

Takeaways :-

- 1.) Exercise
- 2.) Nutrition
- 3.) Mental Health

Participants

Type a name

Presenters (6) Mute all

- Yogesh Sonawane Organizer
- fitnessengineer.vs (Guest)
- Mohammed Juneduddin
- NAYAN SURYAWANSHI - 14...

Attendees (79)

- ABHISHEK JAIN7 - 1400519...
- ADEELAHMAD ANSARI - 14...
- AJIT PATIL - 14005190015
- AKASH GOTE - 14005180013
- Akash Jagdale - 14004180006
- AKSHAY NEWADKAR - 1400...
- AKSHAY PATIL - 14005195...

+73

Mohammed Juneduddin

SUDEEP BEDMUTHA - 1400518

fitnessengineer.vs (Guest)

PANKAJ JANGID - 14005190001

Takeaways from session



DEPARTMENT OF MECHANICAL ENGINEERING

Date: 05/09/2020

TEACHERS DAY-2020 CELEBRATION

(via: In a virtual environment: “MS TEAM together mode”)

“Education is the manifestation of the inherent abilities of the human being and a teacher is the prime reason for the manifestation”: Mohammed.Juneduddin

TEACHERS DAY is celebrated in fond memory of Dr. Sarvapalli Radhakrishna, to honor the teachers. This time we celebrated it in unconventional way considering the COVID-19 pandemic situation. It is celebrated by way of conducting an informative Session on Scientific Research Paper writing and publication. The session was conducted during on 5th Sep-2020 during 10.00 to 12:15 pm for the entire mechanical engineering department including the students and the staffs and more than 100 students attended. The key speaker of the session was **Prof. Bhushan C. Behede**.

Some of the key contents that were covered during the session are:

- Why to read Scientific research papers?
- What is actually a scientific research paper?
- The significance and the importance of research paper?
- Where to find/download the research papers?
- How to read the research papers?
- Where to publish the research papers?
- **About Facilitator:** Mr. Bhushan C. Behede, Asst. Prof., Dept. of Mechanical Engineering, SVKM's Institute of Technology, Dhule, Maharashtra. (To view detail profile please click on the link: www.svkm-iot.ac.in/wp-content/uploads/2020/01/bhushan-behede.pdf)
- **Targeted Audience:** Everyone who is involved or planning to involve in any type of project/research work.
- **Link to view resource material used:**
- https://drive.google.com/file/d/1Jfjq_fu0G13ZoZr90imWKE5jJ59S_doE/view?usp=sharing
- **Link of the recorded session:**
- <https://web.microsoftstream.com/video/4efa3e7f-1720-4a01-be8a-90d8145ee2a5>

Find below some screen shots of the session



DEPARTMENT OF MECHANICAL ENGINEERING

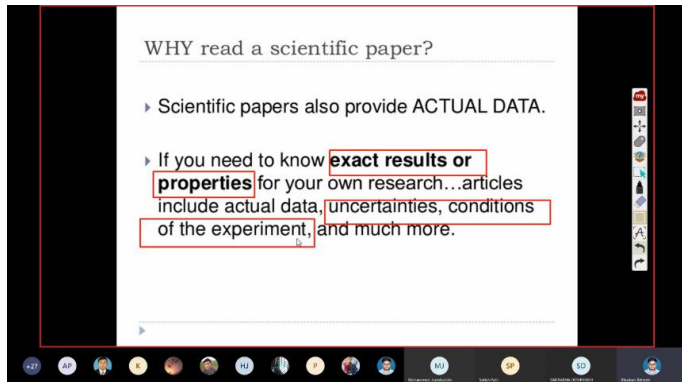


Figure 1: Presentation



Figure 2: Presentation

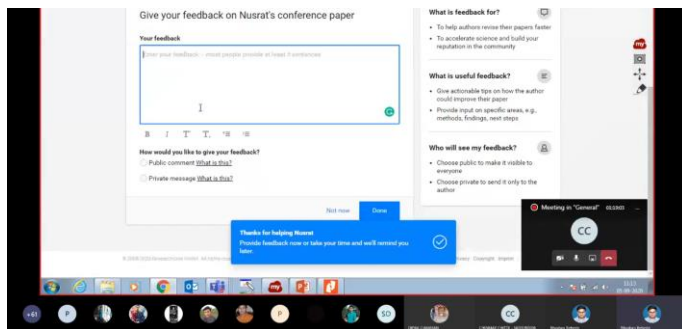


Figure 3: Useful resources

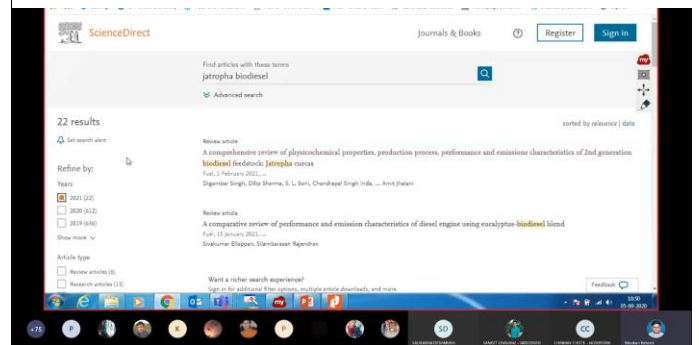


Figure 4: Useful resources

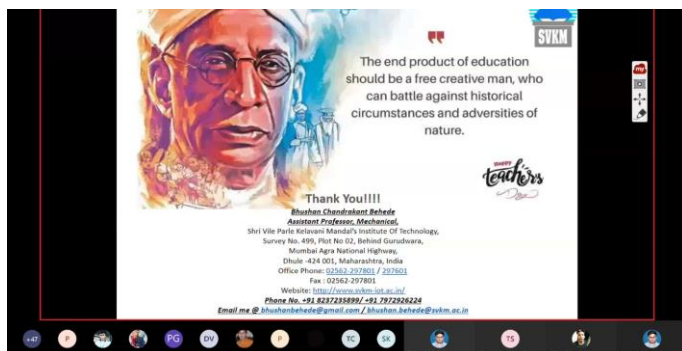


Figure 5: The Teachers day

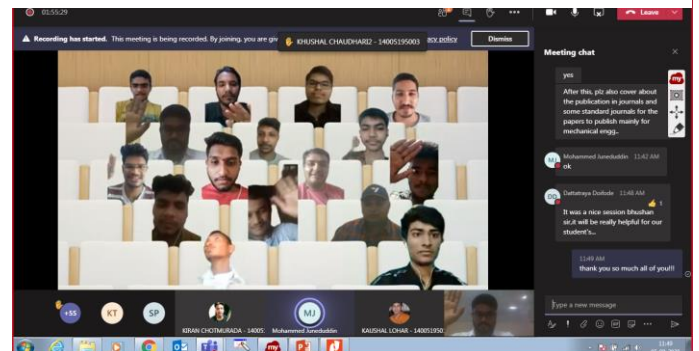


Figure 6: The attendees (few who put on their cameras on)

After the coverage of all the above points, it was concluded with brief discussion about the sessions and vote of thanks by Prof. Mohammed.Juneduddin.

Prof. Mohammed.Juneduddin,
Coordinator: Mechanical Engineering Department,
SVKM's IOT, Dhule.



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

COR6623732020

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि श्री विले पार्ले केलवानी मंडल प्रौद्योगिकी संस्थान, धुले कार्यरत श्री महेश राजकुमार दलवानी, ने “ग्लोबल नेविगेशन सैटेलाइट सिस्टम” विषय पर इस संस्थान द्वारा दिनांक 14 सितंबर, 2020 से 25 सितंबर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **MR. MAHESH RAJKUMAR DALWANI**, working with **Shri Vile Parle Kelvani Mandal's Institute of Technology, Dhule**, has coordinated the online training course on “**Global Navigation Satellite System**” conducted by this institute during September 14, 2020 to September 25, 2020.

दिनांक/ Date: 27-11-2020
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



DEPARTMENT OF MECHANICAL ENGINEERING

Date: 15/09/2020

ENGINEER'S DAY-2020 CELEBRATION

(via: In a virtual environment: "MS TEAM")

"Engineer's Day is celebrated in India on 15 September every year to commemorate the birthday of this legendary figure Sir Visvesvaraya, fondly known as Sir MV or the Builder of India.

Engineer's Day 2020 marks the 159th birth anniversary of Sir Visvesvaraya who was born on September 15, 1861". This time we celebrated it in unconventional way considering the COVID-19 pandemic situation. We celebrated by way of student's presentations regarding their B. Tech final year projects and B. Tech final Year Seminar. Total 65 students were divided into 16 groups for delivering the Project Presentation and all 65 individual students for delivering the Seminar presentation. Seven faculties from the mechanical engineering department have been assigned as the guides for all the 16 groups.

The student's presentations were scheduled on 11th, 12th, 14th & 15th Sep-2020 during 2:00 pm to 5:00 pm each day, targeting the last day of presentations to be held on the occasion of engineer's day. During this dates and time, 4 groups consisting of 4 students each delivered their presentation under the critical review of a panel of seven judges. Each judge measured the overall performances of each student during both the presentations by way of assigning the points on the scale on 10 points via shared excel sheet in an independent way. Some glimpses of this event are as follows.

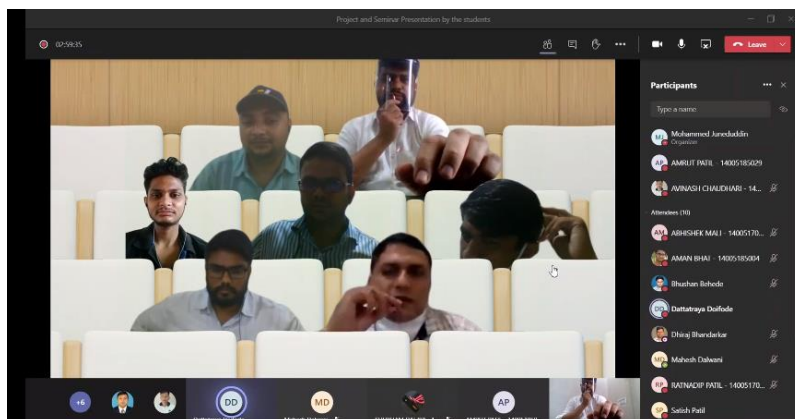


Figure: Panel of judges

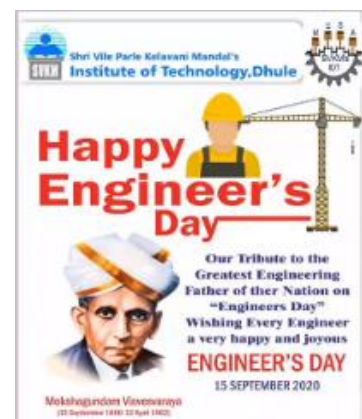


Figure: Engineer's day celebration

Kindly refer the next page for few screen shots of the student's presentations

DEPARTMENT OF MECHANICAL ENGINEERING

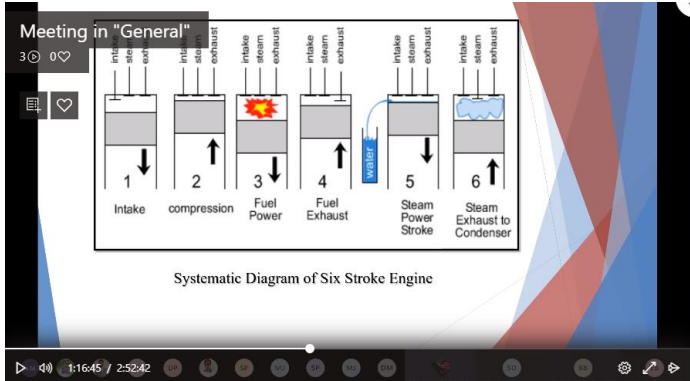


Figure 1: Student's presentation

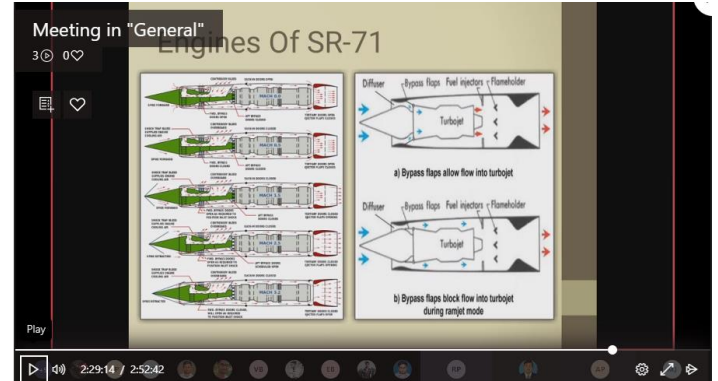


Figure 2: Students presentation



Figure 3: Students presentation

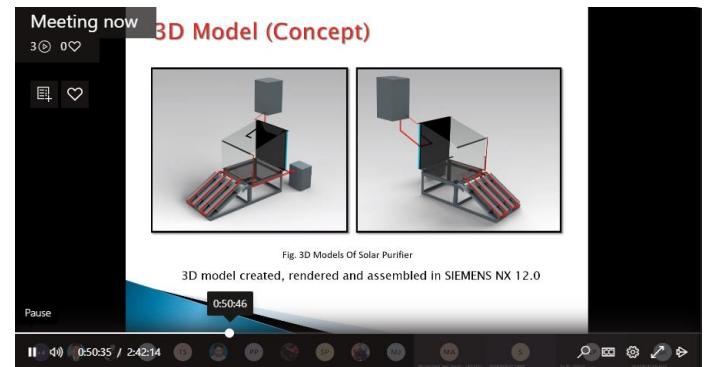


Figure 4: Students presentation

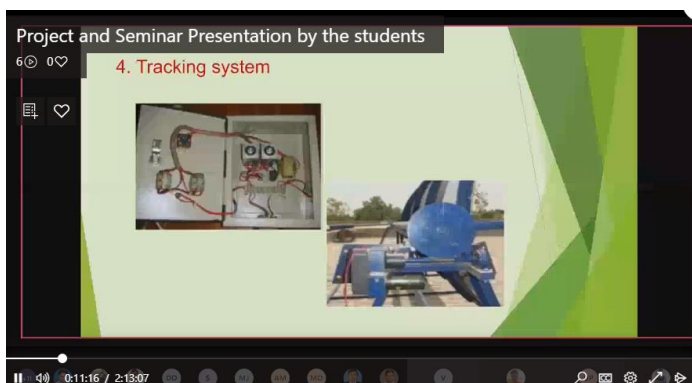


Figure 5: Students presentation

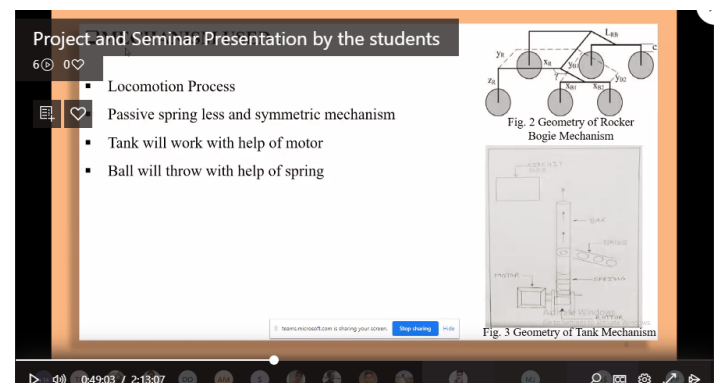


Figure 6: Students presentation

Prof. Mohammed.Juneduddin,
Coordinator: Mechanical Engineering Department,
SVKM's IOT, Dhule.

Shri Vile Parle Kelavani Mandal's
INSTITUTE OF TECHNOLOGY, DHULE

Department of Mechanical Engineering

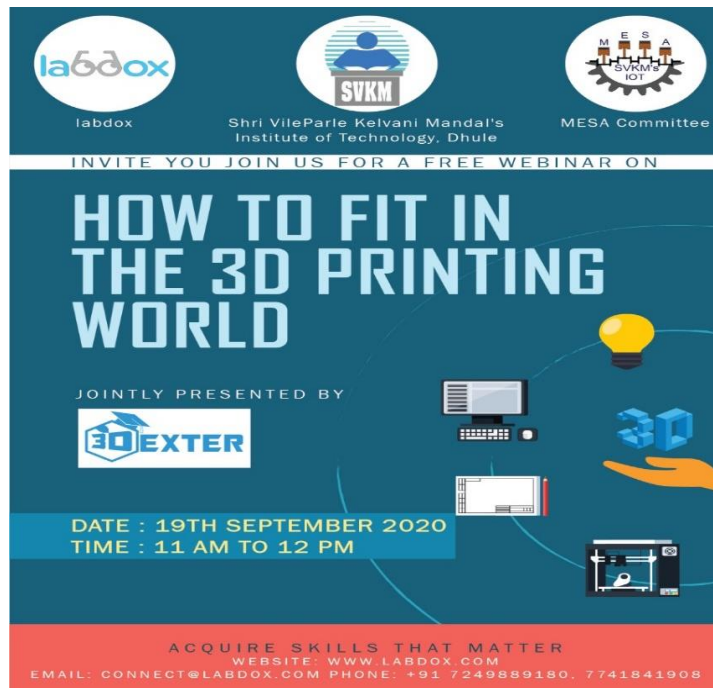
**A Guest Lecture Report on
"3D PRINTING WEBINAR"**

The online session was organised by Mechanical Engineering Department, SVKM's IOT, Dhule in collaboration with Labdox on 19th of September 2020 to know the actual working and to understand the methodology of 3D printing.

The session started with Assistant Professor of Mechanical Engineering Department Mr. Yogesh Sonawane sir honouring to guest Mr. Amit Pradhan

The term 3D printing we can call it as Additive Manufacturing also, actually it is the construction of three-dimensional object from CAD model or digital 3D model. The term 3D printing can refer to a variety of processes in which material is deposited, joined or solidified under computer to create a three-dimensional object, with material being added together (such as liquid molecules or powder grains being fused together), typically layer by layer. The live demo of making a small keychain was also given to students for better understanding of process and how the object actually looks like. After that question and answer session taken and then vote of thanks were concluded by Asst. Prof. Yogesh Sonawane.

Photos-



Fitting into a 3D Printing World - Webinar

10:36

Request control

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About the Speaker : **AMIT PRADHAN**

3D Printing Workshops: Experience in taking up over **50+** technical workshops to educators, students and corporates on FDM based 3D printers, Design Thinking to integrate designing and rapid prototyping

Conducting Online Webinars: Hosted over 20+ Batches of 3Dexter's Online 3D Printing Course

Operational Roles: Has overseen 3D Printing Curriculum Development and Execution in Educational Institutes all over India

Sr. Product Training at 3D

Participants

Type a name

Waiting in lobby (1)

In this meeting (60) **Mute all**

- Yogesh Sonawane
- AATIF PINIARI - 14005170028
- ABHISHEK JAIN7 - 140051950...
- ABHISHEK MALI - 140051700...
- AJIT PATIL - 14005190015
- AKASH GOTE - 14005180013
- Amit Kothari Organizer Outside your organization
- Amit Pradhan** Outside your organization
- ANIKET SONJE - 14005185037
- AWAISAHMAD ANSARI - 140...
- Badgujar Pooja Mahendra Guest

+51 CC CD K

PANKAJ JANGID - 140... Badgujar Pooja Mahe... Amit Kothari

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ENG 11:09 AM IN 19-Sep-20

Guest Speaker Mr. Amit Pradhan

Fitting into a 3D Printing World - Webinar

10:16

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About 3Dexter

Education and Training in 3D Printing

Leading Ed-Tech Company

Based in Delhi, India (PAN India Presence)

Manufacturer of FDM based 3D Printers

Footprint in 20+ Cities (3D Printing Lab Setups & ATL Labs)

OEM Partners & vibrant participation in FDPs

Providing every kid the power of manufacturing. Think. Design. Create.

Participants

Type a name

Waiting in lobby (2) **Admit all**

In this meeting (60) **Mute all**

- Yogesh Sonawane
- AAKASH DEORE - 1400518... On hold
- AATIF PINIARI - 14005170028
- ABHISHEK JAIN7 - 140051950...
- ABHISHEK MALI - 140051700...
- AJIT PATIL - 14005190015
- AKASH GOTE - 14005180013
- Amit Kothari Organizer Outside your organization
- Amit Pradhan** Outside your organization
- ANIKET SONJE - 14005185037
- AWAISAHMAD ANSARI - 140...

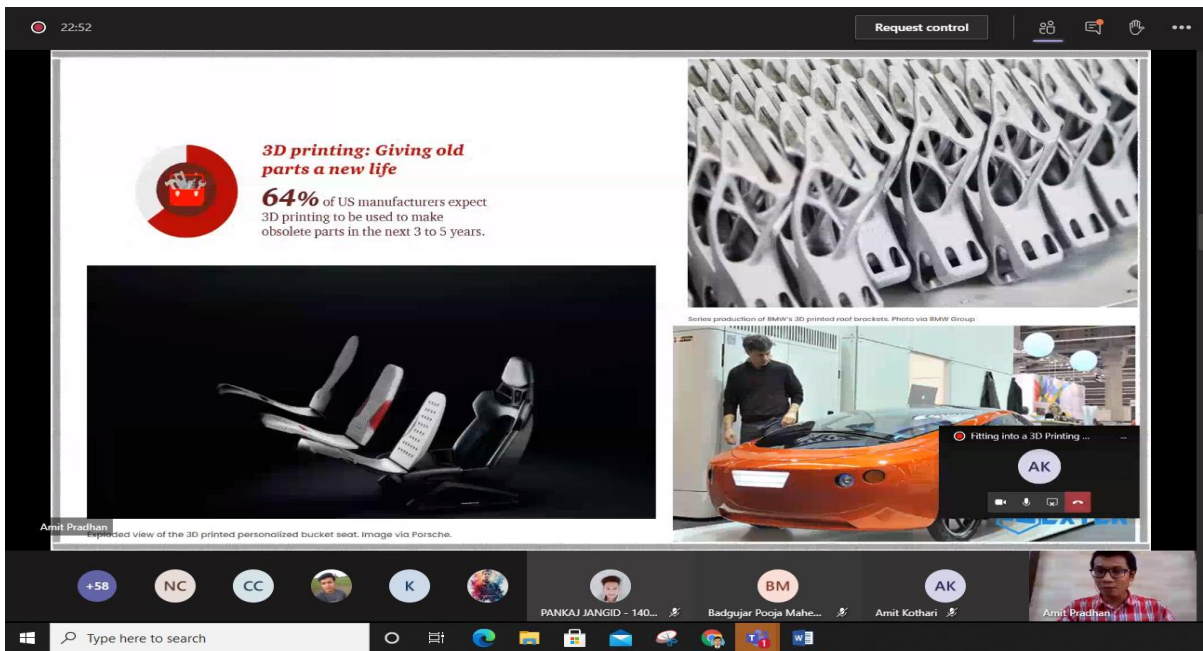
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PANKAJ JANGID - 140... Badgujar Pooja Mahe... Amit Kothari

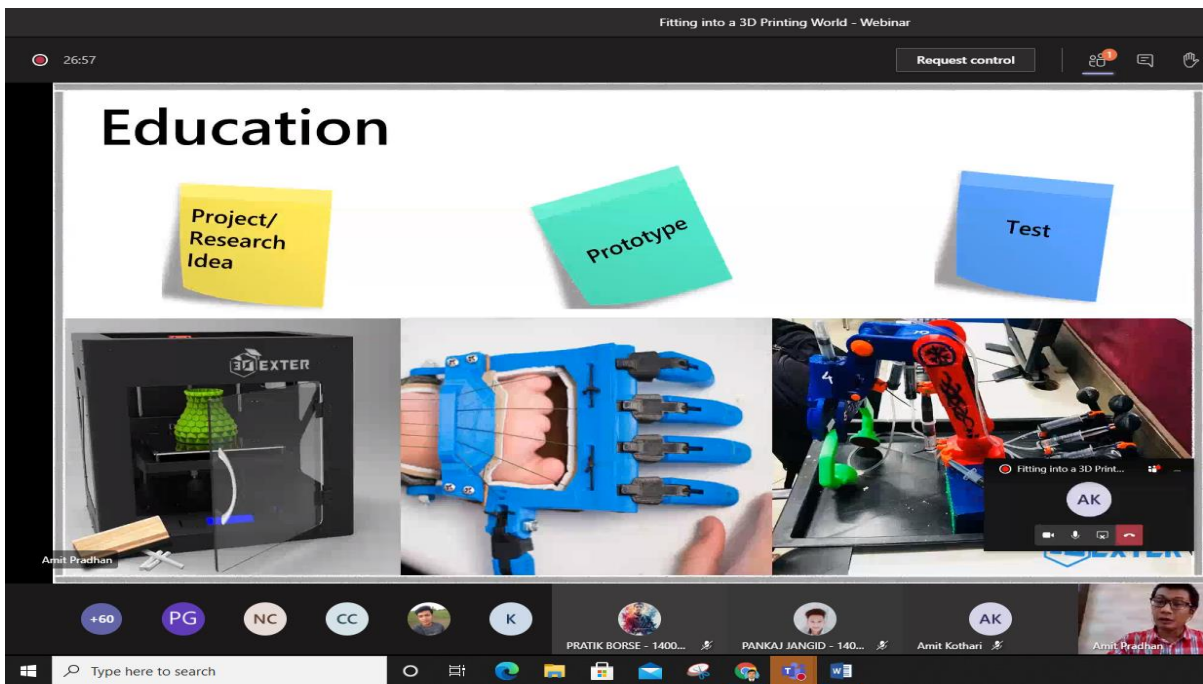
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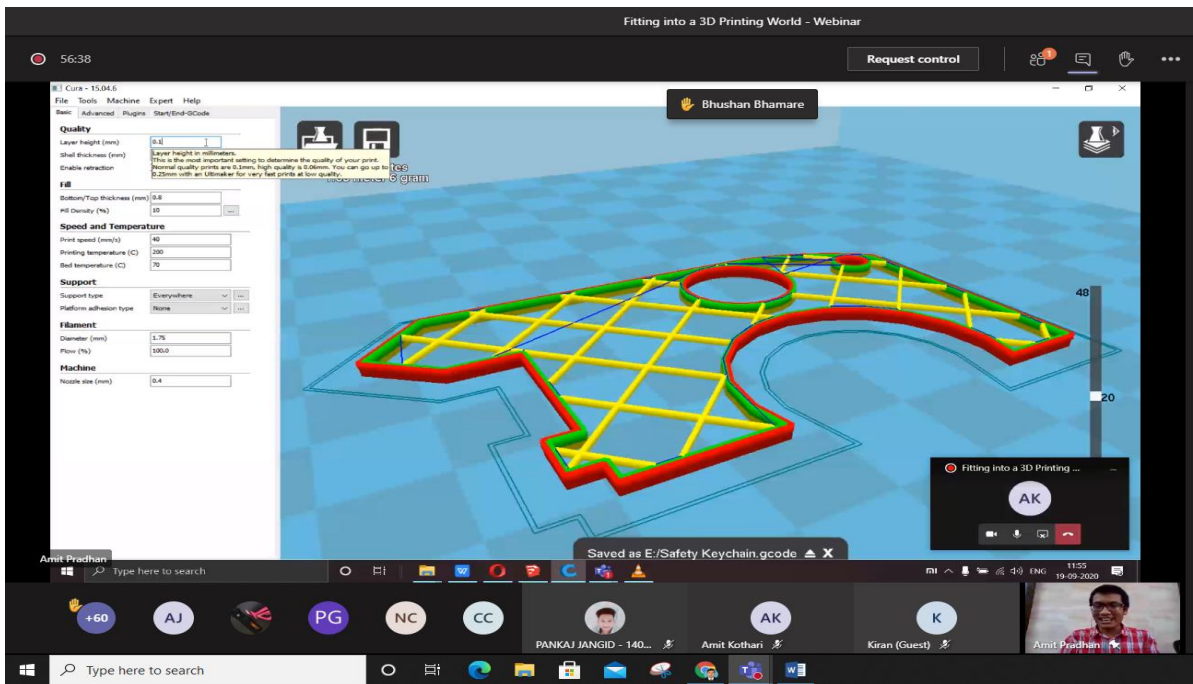
Information about 3Dexter



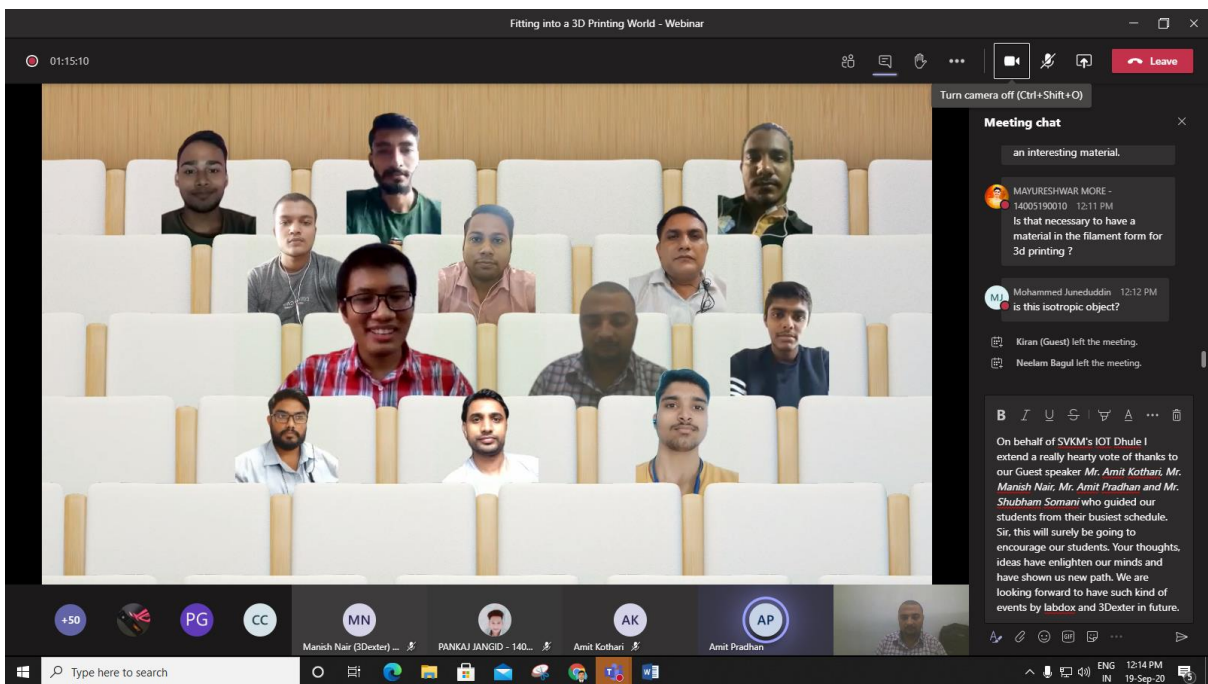
Use of 3D printing in Automobiles



Process of 3D Printing



Live demo - Making of Keychain



Participants present and question answer session



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

COR6723732020

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि श्री विले पार्ले केलवानी मंडल प्रौद्योगिकी संस्थान, धुले कार्यरत श्री महेश राजकुमार दलवानी, ने “सुदूर संवेदन और संख्यात्मक मॉडलिंग का तटीय महासागर प्रक्रियाओं की ज्ञप्ति हेतु उपयोग” विषय पर इस संस्थान द्वारा दिनांक 21 सितंबर, 2020 से 25 सितंबर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **MR. MAHESH RAJKUMAR DALWANI**, working with **Shri Vile Parle Kelvani Mandal's Institute of Technology, Dhule**, has coordinated the online training course on **“Understanding of Coastal ocean processes using Remote Sensing and Numerical Modelling”** conducted by this institute during September 21, 2020 to September 25, 2020.

दिनांक/ Date: 19-11-2020
देहरादून/ Dehradun


प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS


समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



DEPARTMENT OF MECHANICAL ENGINEERING

Date: 26/09/2020

Report on

Scientific Research Paper

(Pre-research writing tools: Mendeley and Grammarly)

Episode: 2

Date & Day	Timing & Duration	Speaker
26/09/2020, Saturday	10:30 AM to 12:00 PM	Prof. Bhushan C. Behede

Some of the key contents covered are:

- Mendeley Software and its use
- Grammarly software and its use

Targeted Audience: All Mechanical Engineering Students

Total Count: 164

Platform: MS Teams (online)

Joining Link (Now Expired):

<https://teams.microsoft.com/l/meetup-join/19%3ac0c567289a4e4abfaa1c3ad038063ba3%40thread.tacv2/1601024879363?context=%7b%22Tid%22%3a%22d1f14348-f1b5-4a09-ac99-7ebf213cbc81%22%2c%22Oid%22%3a%22f7a3c16f-db3a-4223-afbd-de3722469aa0%22%7d>

Link of Recorded Session:

<https://web.microsoftstream.com/video/2f9ac1d2-3ea3-45da-aa31-5ce4bdc699ab>



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Screenshots during Session:

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Dhule

Affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere

Department of Mechanical Engineering

Scientific Research Paper

Session No. 2: Pre-research writing tools: Mendeley and Grammarly

Session by
Prof. Bhushan C. Behede
Assistant Professor, Mechanical
Engineering

Participants

Type a name

Presenters (1)

- Bhushan Behede (Organizer)

Attendees (9)

- Yogesh Sonawane
- Dattatraya Doifode
- MAYURESHWAR MORE - 140...
- NIKHIL CHAUDHARIS - 14005...
- NISHANT MAHALE - 1400519...
- PRATIK BORSE - 14005185007
- PRİYANKA MAHAJAN1 - 1400...
- SHOAIBUDDIN KAZI - 140051...
- SUMEET PANDEY - 14005190...

Others invited (2)

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09:22

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Department of Mechanical Engineering

Scientific Research Paper

Session No. 2: Pre-research writing tools: Mendeley and Grammarly

Session by
Prof. Bhushan C. Behede
Assistant Professor, Mechanical
Engineering

Participants

Type a name

Presenters (1)

- Bhushan Behede (Organizer)

Attendees (9)

- Dattatraya Doifode
- PRATIK BORSE - 1400...
- PRİYANKA MAHAJAN... (Muted)
- PRIVANKA MAHAJAN... (Muted)
- MAYURESHWAR MOR... (Muted)
- NIKHIL CHAUDHARIS... (Muted)

Others invited (2)

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DEPARTMENT OF MECHANICAL ENGINEERING

Session on Scientific Research Paper_Episode: 2_Pre-research writing tools: Mendeley and Grammarly

13:31

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Organizer

Attendees (11)

- Yogesh Sonawane
- AP AJIT PATIL - 14005190015
- DD Dattatraya Doifode
- MAYURESHWAR MORE - 140...
- NC NIKHIL CHAUDHARIS - 14005...
- NISHANT MAHALE - 1400519...
- PRATIK BORSE - 14005185007
- PRIYANKA MAHAJAN1 - 1400...
- SK SHOABUDDIN KAZI - 140051...
- SUMEET PANDEY - 14005190...

Some of the key contents that will be covered are:

- Mendeley Software and its use
- Grammarly software and its use

Bhushan Behede

+2 SK DD

PRIYANKA MAHAJAN... MAYURESHWAR MOR... NIKHIL CHAUDHARIS... Bhushan Behede

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- DD Dattatraya Doifode
- EB ESHANT BHESANIA - 140051...
- MAYURESHWAR MORE - 140...
- NC NIKHIL CHAUDHARIS - 14005...
- NISHANT MAHALE - 1400519...
- PRATIK BORSE - 14005185007
- PRIYANKA MAHAJAN1 - 1400...
- SK SHOABUDDIN KAZI - 140051...

Bhushan Behede

NC NIKHIL CHAUDHARIS - 14005180007

PRATIK BORSE - 14005185007

NISHANT MAHALE - 14005190009

SK SHOABUDDIN KAZI - 14005185023

SUMEET PANDEY - 14005190013

PRIYANKA MAHAJAN1 - 14005170017

MAYURESHWAR MORE - 14005190010

Dattatraya Doifode

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Attendees (15)

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- AJIT PATIL - 14005190015
- Dattatraya Doifode
- ESHANT BHESANIA - 140051...
- KAMLESH THAKARE2 - 14005...
- MAYURESHWAR MORE - 140...
- NIKHIL CHAUDHARIS - 14005...
- NISHANT MAHALE - 1400519...
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- PRIVYANKA MAHAJAN1 - 1400...

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Attendees (17)

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- AJIT PATIL - 14005190015
- Dattatraya Doifode
- ESHANT BHESANIA - 140051...
- GANESH DHAYBAR - 1400519...
- KAMLESH THAKARE2 - 14005...
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Session on Scientific Research Paper_Episode: 2_Pre-research writing tools: Mendeley and Grammarly

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Attendees (18)

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- ABHISHEK MALI - 140051700...
- AJIT PATIL - 14005190015
- Dattatraya Doifode
- ESHANT BHESANIA - 140051...
- GANESH DHAYBAR - 1400519...
- KAMLESH THAKARE2 - 14005...
- MAYURESHWAR MORE - 140...
- NIKHIL CHAUDHARIS - 14005...
- NISHANT MAHALE - 1400519...

Library | Notebook

All References

AUTHORS	YEAR	TITLE	SOURCE	ADDED	FILE
Kabeel A, Abdelgaied M	2016	Performance of novel solar dryer	Process Safety an...	9/25/2020	
Hamed A, Abd-Erahman W, El-Em...	2013	Theoretical and experimental investigation on the transie...	Energy Conversion...	9/25/2020	
Comino F, Táboas F, Peci F, Ruiz de...	2020	Detailed experimental analysis of the energy performanc...	Applied Thermal E...	9/25/2020	
Sozen A, Ciftci E	2019	Determination of optimum rotational speed of the heat wh...	Gazi University Jo...	9/25/2020	
Narayanan R	2019	Solid and gas-side resistance of a silica-gel desiccant wheel	Energy Procedia	9/25/2020	
Ge T, Ziegler F, Wang R	2010	A mathematical model for predicting the performance of a...	Applied Thermal E...	9/25/2020	
Chung J, Lee D	2009	Effect of desiccant isotherm on the performance of desicc...	International Jour...	9/25/2020	
Dissa A, Bathiebo J, Kam S, Savado...	2009	Modelling and experimental validation of thin layer indre...	Renewable Energy	9/25/2020	
Elzohy A, Kabeel A, Bastoun M, A...	2014	A mathematical model for predicting the performance of a...	Energy Conversion	9/25/2020	

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Attendees (20)

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- AJIT PATIL - 14005190015
- BHANUDAS KAPADNE - 1400...
- Dattatraya Doifode
- ESHANT BHESANIA - 140051...
- GANESH DHAYBAR - 1400519...
- KAMLESH THAKARE2 - 14005...
- MAYURESHWAR MORE - 140...
- NIKHIL CHAUDHARIS - 14005...

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All Documents

Title	Year	Published In	Added
Detailed experimental analysis of the energy performance of a desiccant wheel activated at low temperature	2020	Applied Thermal Engineering	Sep 25
Adsorbent: fundamentals and Applications	2008	Physical Reviews O - Physics, Fields, Gravitat...	Sep 22
Production of desiccants from Turkish bentonites	2009	Applied Clay Science	Sep 22
Sorption kinetic of water vapour of M90 bentonite submitted to different physical-chemical and mechanical conditions	2004	Colloids and Surfaces A: Physicochemical and Eng...	Sep 22
Sepelite based adsorbents as humidity controller	2001	Applied Clay Science	Sep 22
Experimental testing on contaminant and moisture removal performance of silica gel desiccant wheel	2018	Energy and Buildings	Sep 22
Performance Test of a Silica Gel Dehumidifier	2014		Sep 22
Composite CaCl ₂ /SBA-15 for adsorptive transformation of low temperature heat: pore size effect	2011	International Journal of Refrigeration	Sep 22
Preparation and selective adsorption of core-shell desiccant for heat and moisture recovery	2012	Colloids and Surfaces A: Physicochemical and Eng...	Sep 22
Efficiency of Chemical Desiccants	1963	Analytical Chemistry	Sep 22
Fractional quantum Hall effect in C60-grown graphene	2020		Sep 22
Multiple Linear Regression Model of a Desiccant Wheel based on Experimental Data	2020		Sep 22
MULTIPLE LINEAR REGRESSION MODEL OF A DESICCANT WHEEL BASED ON EXPERI...	2020		Sep 22
MULTIPLE LINEAR REGRESSION MODEL OF A DESICCANT WHEEL BASED ON EXPERI...	2020		Sep 22
Key factors of desiccant based cooling systems: Materials	2020		Sep 22
Desiccant Dehumidification Wheel: Test Guide Desiccant Dehumidification Wheel Test Guide	2020		Sep 22
Dehumidifier			Sep 22

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26-Sep-20



DEPARTMENT OF MECHANICAL ENGINEERING

Session on Scientific Research Paper, Episode: 2, Pre-research writing tools: Mendeley and Grammarly

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Attendees (20)

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- ABHISHEK MALI - 140051700...
- AJIT PATIL - 14005190015
- AKSHAY NEWADKAR - 14005...
- Dattatraya Doifode
- ESHANT BHESANIA - 140051...
- GANESH DHAYBAR - 1400519...
- KAMLESH THAKARE2 - 14005...
- MAYURESHWAR MORE - 140...
- NIKHIL CHAUDHARIS - 14005...

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Search: Bhushan

Authors	Title	Year	Published In	Added
Yadav, Anandh; Bapoi, Y K	Optimization of Operating Parameters of Desiccant Wheel for Rotation Speed	2011	International Journal of Advanced Science and T...	23-01-19
Wagh, Himanshu D; Patankar, Vaibhav A; Behede, Bhushan C	Review of Design of Adsorber Bed Heat Exchanger for Adsorption Refrigeration System	2017		24-11-17
Thwait, Dr. Anit	Design and Fabrication of Desiccant Wheel Dehumidifier	2015	International Journal of Advanced Research in M...	23-01-19
O'Connor, Dominic; Calabrit, John Kaiser; Hughes, Ben Richard	A novel design of a desiccant rotary wheel for dehumidification applications	2016	Applied Energy	04-03-18
Narayanan, Ramadas	Investigation of Geometry Effects of Desiccant Wheel Dehumidifier	2017	Energy Procedia	03-03-18
Mishra, S.; Mali, S.; Rautan, M. H.; Sopan, K.	Review of solid/liquid desiccant in the drying applications and its regeneration methods	2012	Renewable and Sustainable Energy Reviews	23-01-19
Kubota, Mitsuhiro; Hanada, Takuya; Yabe, Hiroshi; Shahn, Ben Richard; Kuchler, Dalbor; Maruda, Hiroe	Water desorption behavior of desiccant rotor under microwave irradiation	2011	Applied Thermal Engineering	03-03-18
Jain, D. S.; Mishra, Hanraj Sahoo, P. K.	Solid desiccant air conditioning - A state of the art review	2016	Renewable and Sustainable Energy Reviews	23-01-19
Goodarzi, Ghohomreza; Thakurda, Tejeswari; Hosen, Shahn; Akbarzadeh, Alakbar	Performance evaluation of solid desiccant wheel regenerated by waste heat or renewable energy	2017	Energy Procedia	03-03-18
Ge, T. S.; Dai, Y. J.; Wang, R. Z.; Li, Y.	Feasible study of a self-cooled solid desiccant cooling system based on desiccant coated heat exchanger	2013	Applied Thermal Engineering	23-01-19
Behede, Bhushan C	Development of Adsorption Cooling System for Vehicle Air Conditioning	1987		03-03-18
Abbas, Yasser; Baniassadi, Ehsan; Arnaouk, Hossen	Comparative performance analysis of different solar desiccant dehumidification systems	2017	Energy and Buildings	23-01-19

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- AKHILESH PARKHE - 1400518...
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Authors	Title	Year	Published In	Added
D. B. Jain; H. Mishra; P. K. Sahoo	Solid desiccant air conditioning - A state of the art review	2016	Renewable and Sustainable Energy Reviews	23-01-19
Behede, Bhushan C	Development of Adsorption Cooling System for Vehicle Air Conditioning	1987		03-03-18
Abbas, Yasser; Baniassadi, Ehsan; Arnaouk, Hossen	Comparative performance analysis of different solar desiccant dehumidification systems	2017	Energy and Buildings	23-01-19
Yadav, Anandh; Bapoi, Y K	Optimization of Operating Parameters of Desiccant Wheel for Rotation Speed	2011	International Journal of Advanced Science and Technology	23-01-19
O'Connor, Dominic; Calabrit, John Kaiser; Hughes, Ben Richard	A novel design of a desiccant rotary wheel for passive ventilation applications	2016	Applied Energy	04-03-18
Thwait, Dr. Anit	Design and Fabrication of Desiccant Wheel Dehumidifier	2015	International Journal of Advanced Research in Mechanical	23-01-19
Narayanan, Ramadas	Investigation of Geometry Effects of Channels of a Self-cooled Desiccant Wheel	2017	Energy Procedia	03-03-18
T. S. Ge; T. S. Dai; Y. J. Wang; R. Z. Li; Y.	Feasible study of a self-cooled solid desiccant cooling system based on desiccant coated heat exchanger	2013	Applied Thermal Engineering	23-01-19
Wagh, Himanshu D; Patankar, Vaibhav A; Behede, Bhushan C	Review of Design of Adsorber Bed Heat Exchanger for Adsorption Refrigeration System	2017		24-11-17

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Test Room air Direct evaporative cooler Desiccant wheel

Fig. 8. Conventional solid desiccant evaporative cooling system (ventilation mode).

Heat recovery wheel Electric heater Exhaust fan

Ambient air 1 Direct evaporative cooler 2 3 4 5 6 7 8 9 10 Exhaust air

Supply fan 5

Direct evaporative cooler

Desiccant wheel

Exhaust fan

Mixing air

Return air

Fig. 9. Solid desiccant evaporative cooling system (recirculation mode).

system described here is operating in both the ventilation as well as the recirculation mode as shown in Figs. 8 and 9 was suggested by Bourdoukan et al. [10]. In ventilation mode, humidity of the fresh outside air (state 1) is adsorbed by the desiccant material of depicted in psychrometric chart as shown in Fig. 10. It is observed from the behavior that the recirculation configuration requires more energy for regenerating the dehumidifier at higher ambient humidity, since having low temperature at the inlet of desiccant

Details

Journal Article

Solid desiccant air conditioning - A state of the...

Authors: D. Janji, M. Mishra, P. Sahoo

Journal: *Renewable and Sustainable Energy Reviews*

Year: 2016

Volume: 60

Pages: 1451-1469

Abstract:

Recently, solid desiccant air conditioning system has been proposed as an alternative to the conventional vapor compression refrigeration air conditioning system for efficient control over humidity of conditioned air especially in hot and humid areas. The solid desiccant cooling and heating processes are shown in the psychrometric chart.

SK

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Founded: 2009

Headquarters: San Francisco, California, United States

Founders: Alex Shevchenko, Max Lytvyn

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In any Refrigeration systems heat energy released by the system is lost to the surroundings and it goes as a waste[1]. This heat which is lost to the atmosphere can be used at other application if certain modifications and change are made [2]. In a separate water heater electricity is consumed to heat water[3]. To address this problem, we are running on a research which will utilize the out coming heat in the system and reduces the power consumption [4]. This heat comes from the

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In any Refrigeration systems heat energy released by the system is lost to the surroundings and it goes as a waste[1] . This heat which is lost to the atmosphere can be used at other application if certain modifications and change are made [2]. In a separate water heater electricity is consumed to heat water[3]. To address this problem, we are running on a research which will utilize the out coming heat in the system and reduces the power consumption [4]. This heat recovery from the



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In any Refrigeration system heat energy released by the system is lost to the surroundings and it goes as a waste[1]. This heat which is lost to the atmosphere can be used at other application if certain modifications and change are made [2]. In a separate water heater electricity is consumed to heat water[3]. To address this problem, we are running on a research which will utilize the out coming heat in the system and reduces the power consumption [4]. This heat recovery from the household refrigerator is done by replacing air

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application → applications

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- Dattatraya Doifode
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2 Lecture on scientific research paper - PowerPoint

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Bhushan Behede

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Thank You!!!!

Bhushan Chandrakant Behede
Assistant Professor, Mechanical,
Shri Vile Parle Kelavani Mandali Institute Of Technology,
Survey No. 495, Plot No 02, Behind Gurudwara,
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Phone No. +91 8237235899/ +91 7972926224
Email me @ bhushanbehede@gmail.com / bhushan.behede@svkm.ac.in

Meeting chat

Last read

- Bhushan Behede Yesterday 2:37 PM Scheduled a meeting
- Yesterday 3:40 PM Meeting ended: 1m 22s
- Today 10:25 AM Meeting started
- Meeting Download expir...
- Dattatraya Doifode 11:39 AM It's nice and informative session sir..

Pranav Patil7 - 140... Sohailahmed Shaik... Pankaj Jangid - 140... Bhushan Behede

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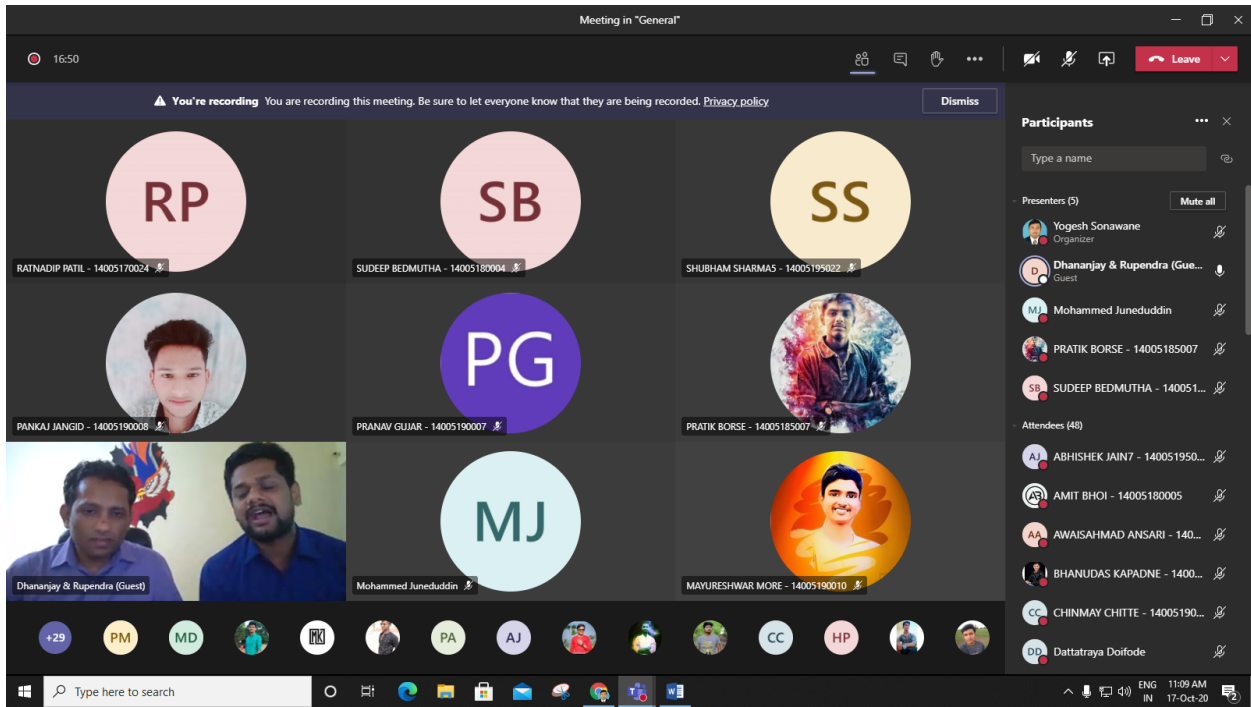
Department of Mechanical Engineering

Guest lecture on GATE, MES, and PSU's preparation

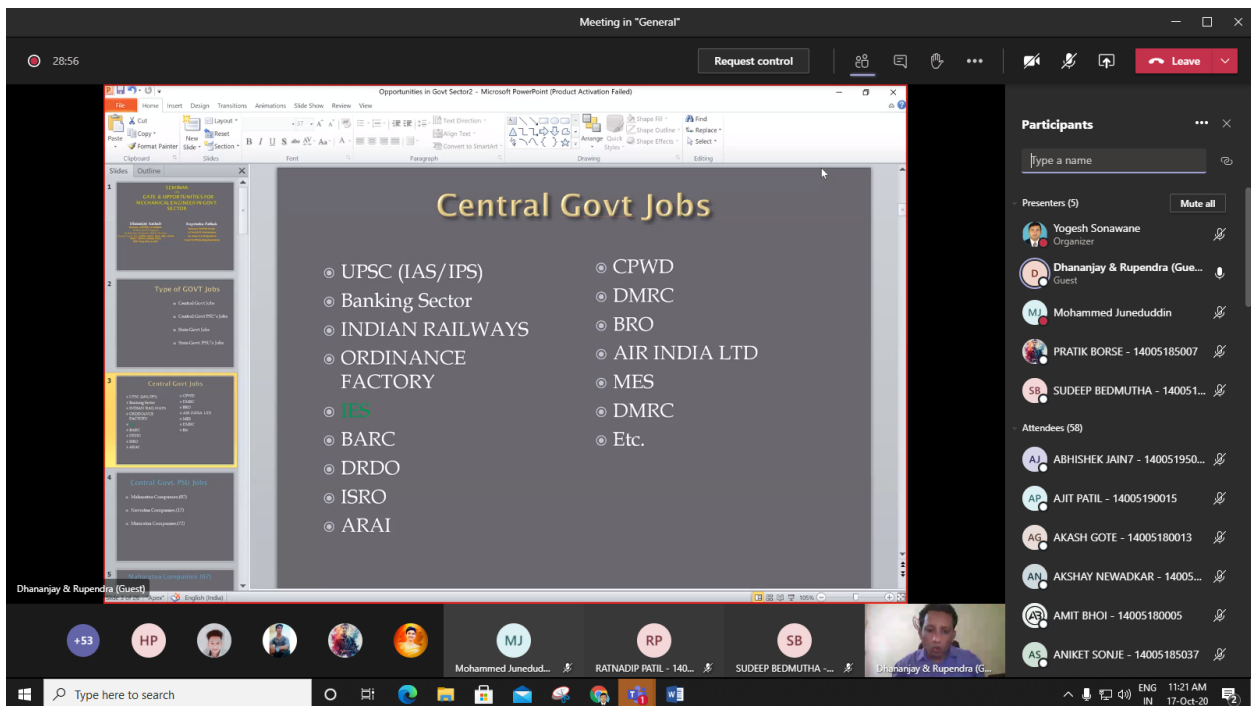
Date: 17/10/2020

The Guest Lecture on "GATE, MES and PSU's Exam awareness and preparation" by Mr. Dhananjay Kachale (Ex. Executive Engineer at ONGC Mumbai) and Mr. Rupendra Pathak, Director, IGNITE Academy, Pune was held under the banner of M.E.S.A. on 17.10.2020 through the online platform using Microsoft Teams. The purpose of this session is to make the students gain the knowledge to crack GATE, IES, DRDO, BARC, HAL, IOCL, RTO and other competitive exams.

The students from the second year, third year and final year of B.Tech Mechanical engineering participated in this interactive session. First Welcome and introduction of guests addressed by a third-year student and MESA member Mr. Sudeep Bedmutha. The session started by Mr. Dhananjay Kachale, addressed the students for preparing for the GATE exam. He highlighted the ways of preparation by giving references of Thermodynamics and Fluid Mechanics. Then followed by Rupendra Pathak gave tips to the student for the preparation of design-related subjects and described new pattern of GATE exam. He shared his methods of studying & reference for engineering subjects. Mr. Dhananjay Kachale shared some central government jobs by giving reference of Maharatna, Navaratna and Miniratna companies and their recruitment through various competitive exams. He has also shared about State government jobs like Maharashtra Engineering Services, Industries inspector, Metro corporations etc. In the end, he discussed the importance of GATE and tips to crack the exam by sharing his own experience. Also, discussed the various possibilities for cracking the GATE exam and the credits of this exam. He also explained about the facilities and packages available in IGNITE Academy for the students and shared some important study material through their official app and Telegram channel. Prof. Mohammed Juneduddin, Co-coordinator of Mechanical Engineering Department shared his view and discussed importance of GATE exam. At last, Prof. Yogesh Sonawane, Assistant professor and MESA in charge quoted a vote of thanks towards Guests, SVKM's Management and Principal.



1. Inauguration of event through MS Teams



2. Mr. Dhananjay Kachale shared his views on Central Government Jobs.

Meeting in "General"

42:56

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Organizer

Dhananjay & Rupendra (Guest)
Guest

Mohammed Juneduddin

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SUDEEP BEDMUTHA - 140051...

Attendees (64)

ABHISHEK JAIN7 - 140051950...

AJIT PATIL - 14005190015

AKASH GOTE - 14005180013

AKSHAY NEWADKAR - 14005...

AMIT BHOI - 14005180005

ANIKET SONJE - 14005185037

Opportunities in Govt Sector2 - Microsoft PowerPoint (Product Activation Failed)

Criteria's for PSUs

- 1) Academics:(15%)
 - Minimum 60% for OPEN/OBCs
 - Minimum 55% for SC/ST/PHs
- 2) Gate:(75%)
AIR<2000
- 3) Interviews:(10%)

Final selection={1}+{2}+{3}

Dhananjay & Rupendra (Guest)

HP MJ RP SB

Mohammed Juneduddin... RATNADIP PATIL - 140... SUDEEP BEDMUTHA - ...

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3. Mr. Dhananjay Kachale discussed about criteria is for PSU's.

Meeting in "General"

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Entry Procedure to these company

- 1) Academics:(15%)
 - Minimum 60% for OPEN/OBCs
 - Minimum 55% for SC/ST/PHs
- 2) Entrance Exam: (75%)
- 3) Interviews:(10%)

Final selection={1}+{2}+{3}

Dhananjay & Rupendra (Guest)

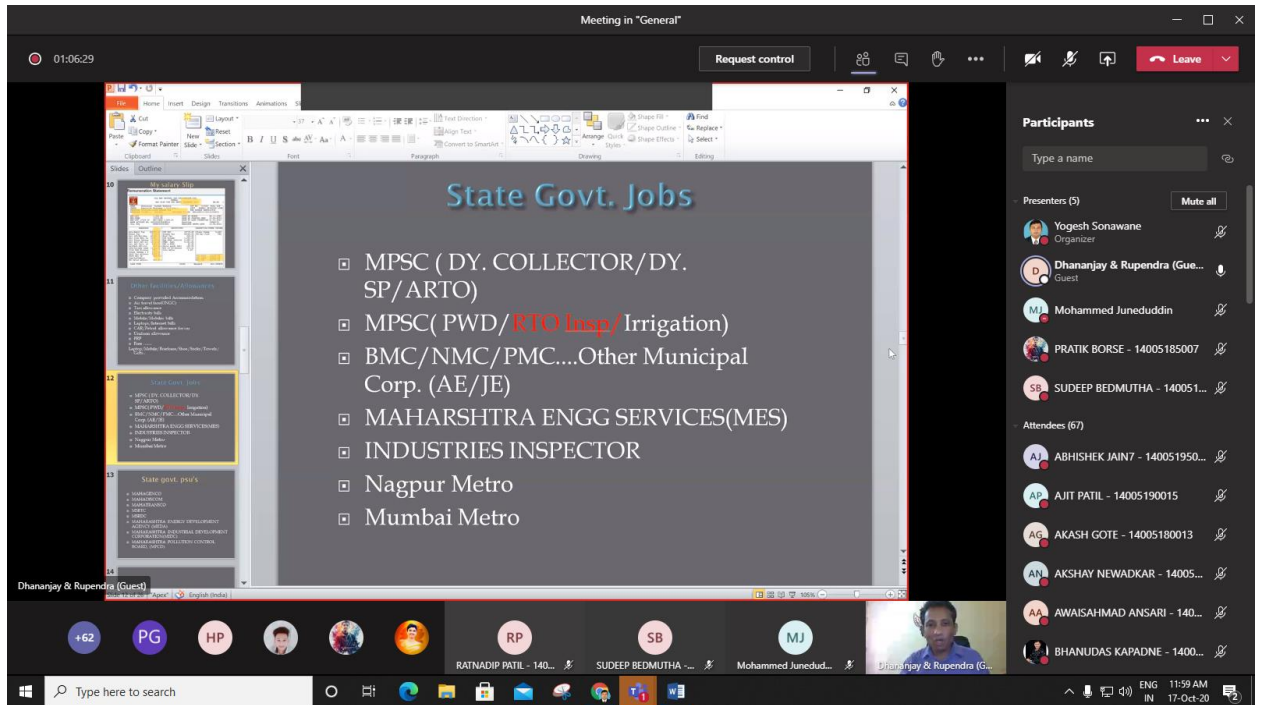
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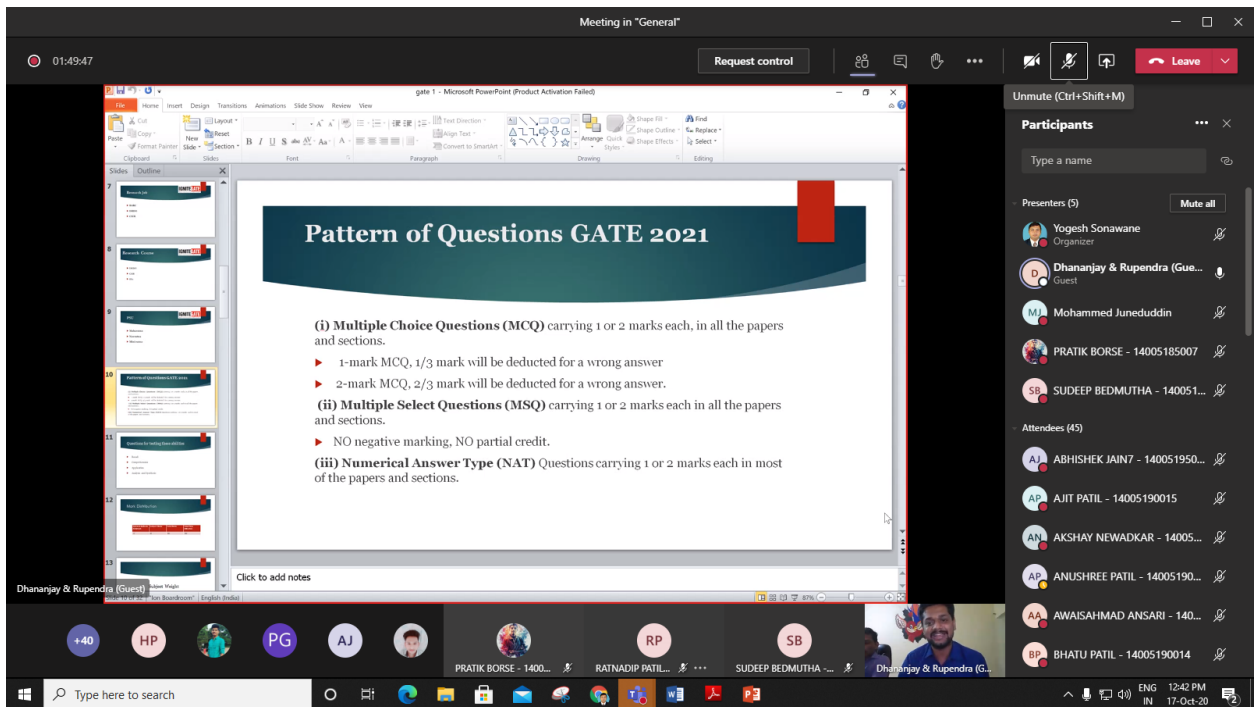
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4. Mr. Dhananjay Kachale discussed about entry procedure in PSU's



5. Mr. Dhananjay Kachale discussed about state Govt. Jobs



6. Mr. Rupendra Pathak described new pattern of GATE exam.

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INSTITUTE OF TECHNOLOGY, DHULE

Department of Mechanical Engineering

Series of Online Webinars on "360 Degree Career Counselling for future Engineers"

An Expert Lecture Report on **Session 01: Higher studies in Abroad after Engineering**


The online session was organised by the Mechanical Engineering Department, SVKM's IOT, Dhule in collaboration with **Mr. Chirag Patil** (M.S. in Swinburne University of Technology, Australia) 5th November 2020 to know more about what is the Scope Higher studies in Abroad after Engineering

The session started with Mr. Pushkar Patil honouring to expert Mr. Chirag Patil who is pursuing his Master's in Swinburne University of Technology, Melbourne, Australia. In the event, he explained all things with help of his excellent presentation. He gave all information about the Universities worldwide with detailed information on fees structure and courses available, And how they are beneficial to ourselves, after that he explained what type of opportunities are available for Mechanical Engineers. He shared his own experience and journey about how he planned and successfully got admission in the University. He focused majorly on students who are willing to do their Master's degree abroad. He covered points about demand in the mechanical industry. After Successful Round of Question and Answers, program was conclude by vote of thanks.


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Options after bachelor's




MASTERS IN
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PSU SECTOR.



MASTERS IN
BUSINESS
ADMINISTRATION.



CERTIFICATION
COURSES.



CIVIL SERVICES.

01:20:56

01:21:04

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Countries for MS after engineering

- United states – 40-60 lacs (Favorable for All fields).
- France – 35-45 lacs (Sustainable and environmental engineering).
- Germany – 20-25 lacs (Mechanical, Automobile and mechatronics, Aerospace engineering, Motorsports engineering).
- Australia – 30-45 lacs (Civil and architecture and mechanical, electrical).
- Canada – 25-40lacs (Mechanical, Industrial engineering, Aerospace engineering)
- United Kingdom – 30-40 lacs (Mechanical
- New Zealand – 20-40 lacs (Mecha MBA).

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Projects and current industry trend

Projects for Final Year.

- Analysis Type projects (Flow simulation, CFD).
- Fabrication type
- Mechatronics or robotics

Current industry trend

- Automation and modernization
- Industry 4.0
- Cyber physical Factory (CPS)
- IoT(Internet of things)
- Artificial Intelligence (AI)

<https://www.youtube.com/watch?v=b9mjrzdlFR8>
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38

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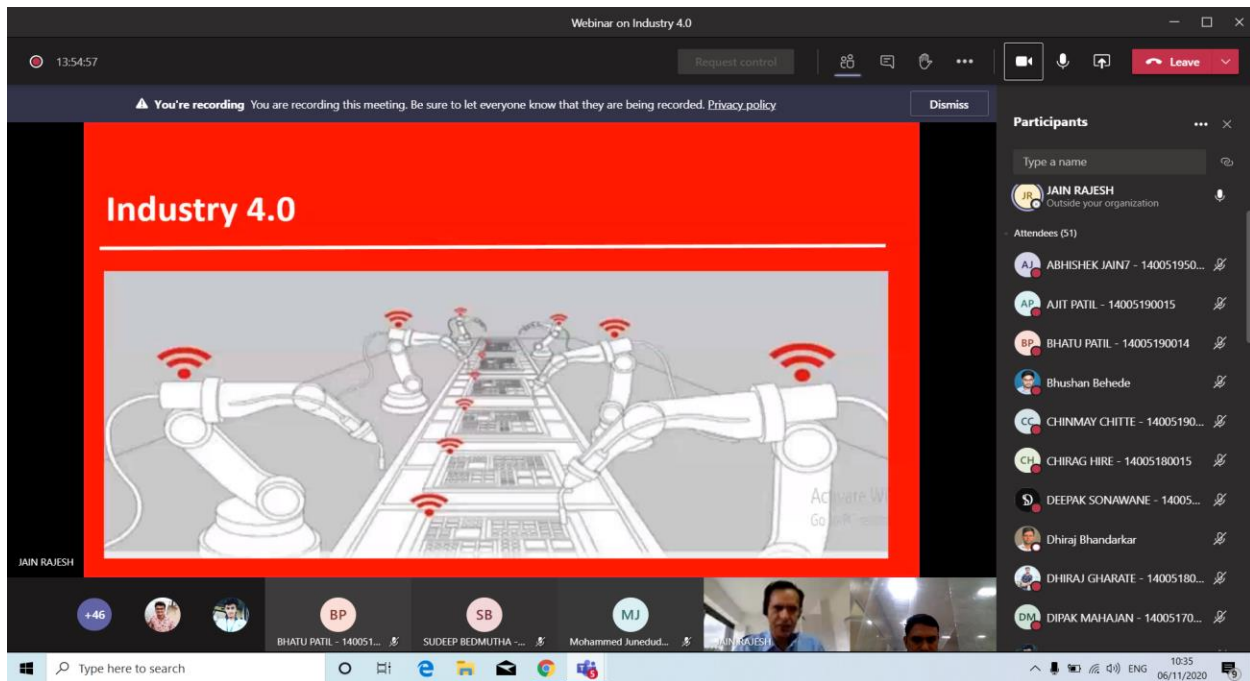
Live webinar on Industry 4.0

Date: 06/11/2020

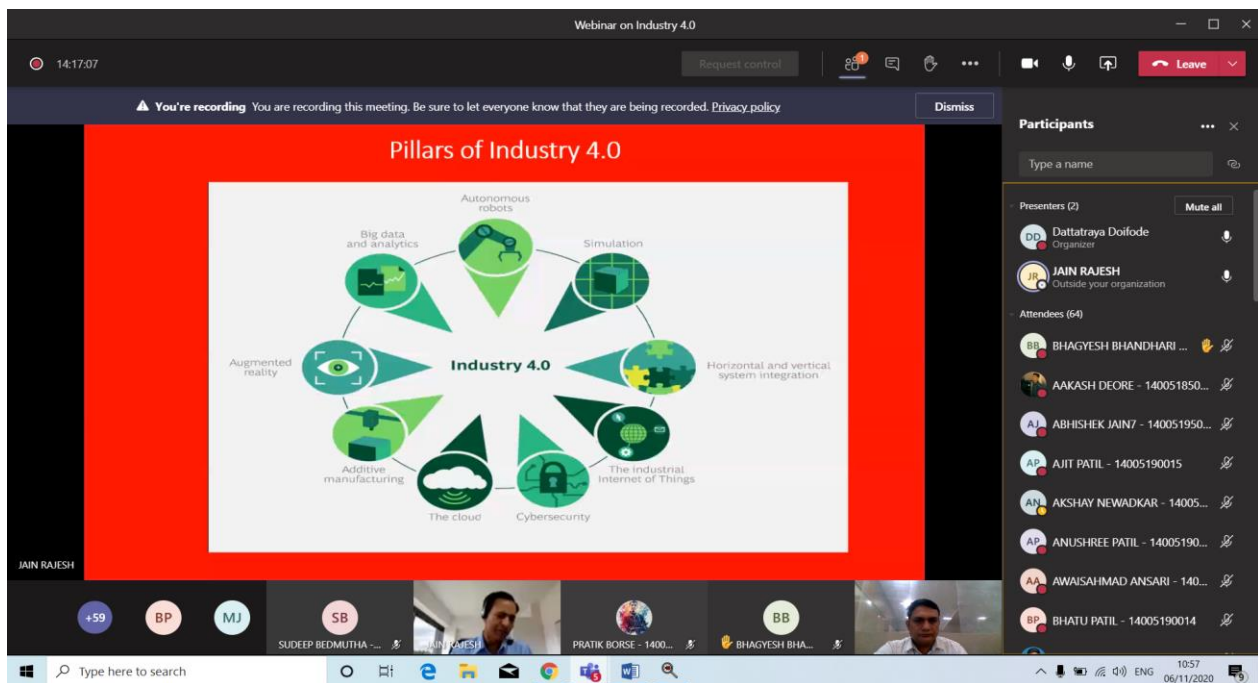
The live webinar on “**Industry 4.0**” had been arranged through the online platform using Microsoft Teams on 06/11/2020 by Prof Dattatray Doifode. Mr Rajesh Jain was the speaker of webinar who is working as a DGM in press tool shop in a reputed company i.e. Mahindra and Mahindra plant 1 at Nashik. He is having around 28 years of industrial experience. **The purpose of this webinar was to fill the gap between industry and academia.**

The students from the second year, third year and final year of B. Tech Mechanical engineering participated in this interactive session. Along with student's faculty members of mechanical engineering department also attended the webinar. First Welcome and introduction of guests addressed by a third-year student and MESA member Mr. Sudeep Bedmutha. The session started by Mr. Rajesh Jain, addressed the students about Mahindra and Mahindra, Industry 4.0, personality development. He also highlighted about PM calendar, TBM, CBM concepts used in the industry. Beside this he has highlighted many things. We sure that the information, knowledge which he has shared will be really helpful to the students in future.

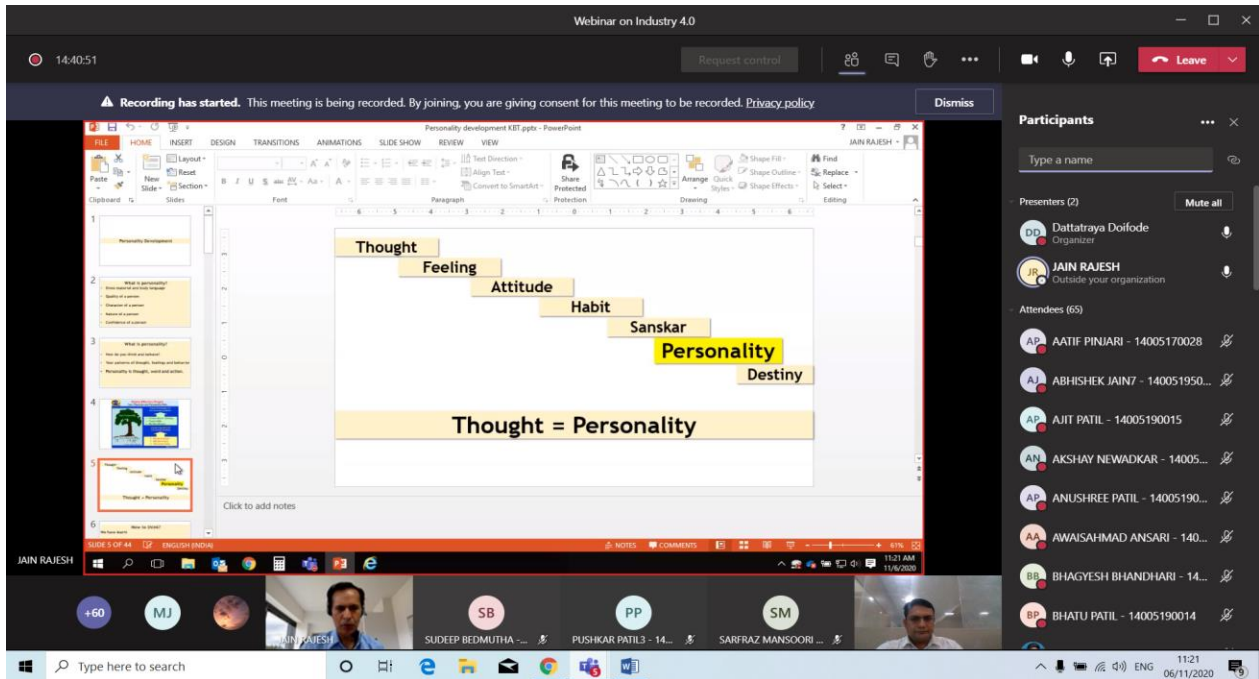
Prof. Mohammed Juneduddin, Co-coordinator of Mechanical Engineering Department shared his view and discussed importance of industry knowledge to the students. At the end of the session, Prof. Dattatray Doifode, Assistant professor of mechanical engineering department quoted a vote of thanks towards Guests and also Management, principal of SVKM'S institute of technology, Dhule.



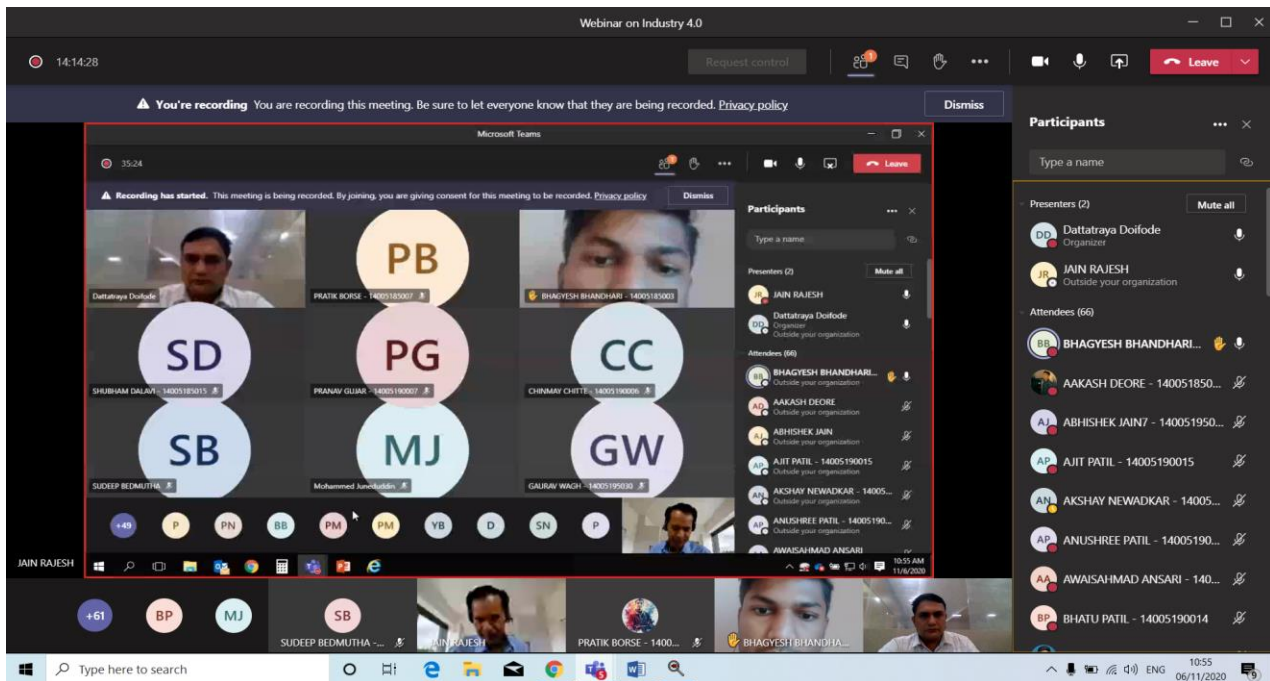
1. Inauguration of event through MS Teams



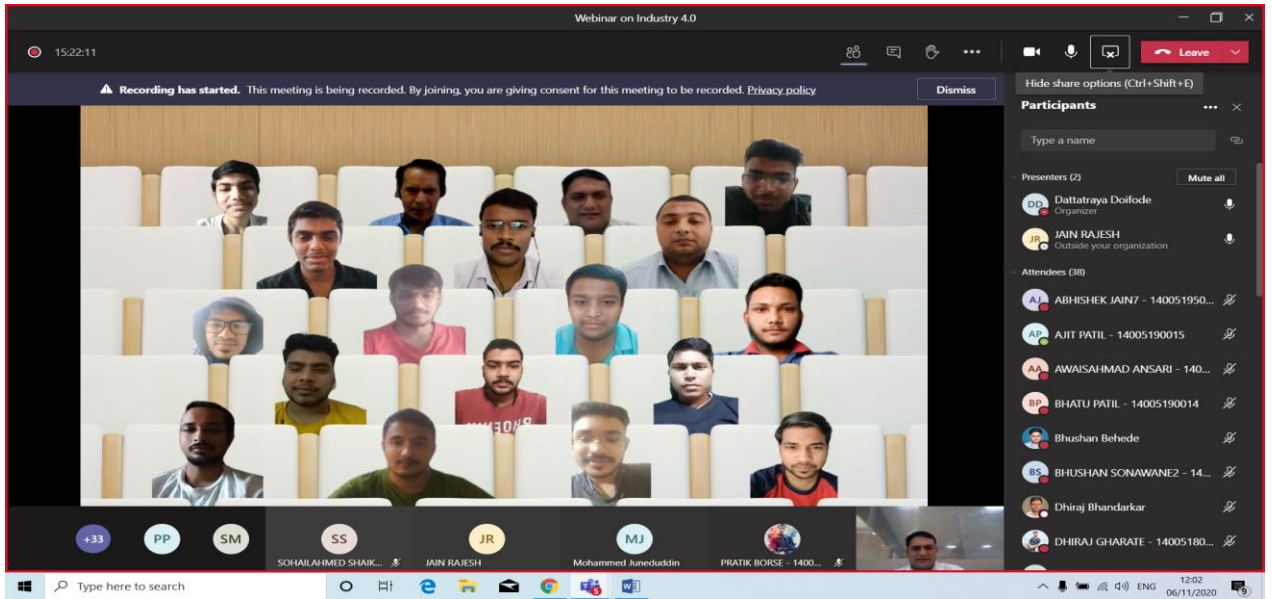
2. Mr. Rajesh Jain addressed on Industry 4.0



3. Mr. Rajesh Jain also highlighted on Personality Development.



4. Mr Rajesh Jain also interacted with students



5. Together with mode photograph of students, teachers and speaker on MS Team

Shri Vile Parle Kelavani Mandal's

INSTITUTE OF TECHNOLOGY, DHULE

Department of Mechanical Engineering

Series of Online Webinars on "360 Degree Career Counselling for future Engineers"

An Expert Lecture Report on

Session 02: Career Opportunities and Fundamental Design of Rooftop Solar Power Plant

The online session was organised by the Mechanical Engineering Department, SVKM's IOT, Dhule in collaboration with **Mr. Kiran Beldar** (Prof. of Renewable energy in UDEMY & Solar Instructor for 12 Courses based on Solar Power Plant Design, Author of book "A to Z Design of Rooftop Solar Power Plant") 10th November 2020 to know more about what is the Scope in Solar Power Plant Design.

The session started with Mr. Pushkar Patil honouring to expert Mr. Kiran Beldar who is currently working as Assistant Professor in Mumbai University. In the event, he explained all things with help of his excellent presentation. He gave all information about the Design of Rooftop Solar Power Plant, And how they are beneficial to ourselves, after that he explained what type of career opportunities are available for Mechanical Engineers. He shared his own experience and journey about how he planned and successfully design Solar Power Plant. He focused majorly on students who are willing to do their career in Solar Power Plant Design. He covered points about demand in the mechanical industry. After Successful Round of Question and Answers, program was conclude by vote of thanks.

Outcomes from the session:

1. Introduction to solar Energy and Career Opportunities
2. How to decide where to install the solar power plant
3. How to gather basic information about the site
4. How to measure the area with Google earth software
5. Calculation of Shadow free area
6. How to collect metering room details
7. Generation of Sun path diagram to calculate azimuth angle and sun's elevation angle
8. Recommendation on Final Capacity of Solar Power Plant over rooftop area

Photos:-

