

### **6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during 2019-20**

#### **One Day Workshop on “Latex”**

The one day workshop was organized by the Department of Electrical Engineering and it commenced at 10:00 am on 10<sup>th</sup> Aug 2019 in the fourth floor computer lab. **Ms. Supriya Shigwan** and **Ms. Lakshmi. C. R** conducted the session for the faculty of Electrical Engineering

The workshop focused on comprehensive topic discussions on LATEX concepts. The necessary software to be installed were explained. The session included introduction to various features of LATEX with some advanced topics that will help to write the academic material as well as research papers that are suitable for publication in reputed journals.

#### **Outlines of the workshop:**

##### ❖ Session I

- Document Structure, Packages
- Text Formatting
- Lists
- Bullets and Numbering
- Sectioning and Chapters
- Mathematical Typeset
- Alignments

##### ❖ Session II

- Working with Images
- Define new environment
- Tables & Graphics
- CSV File Handling
- Header and Footer
- Bibliography and Citations
- Report / Thesis

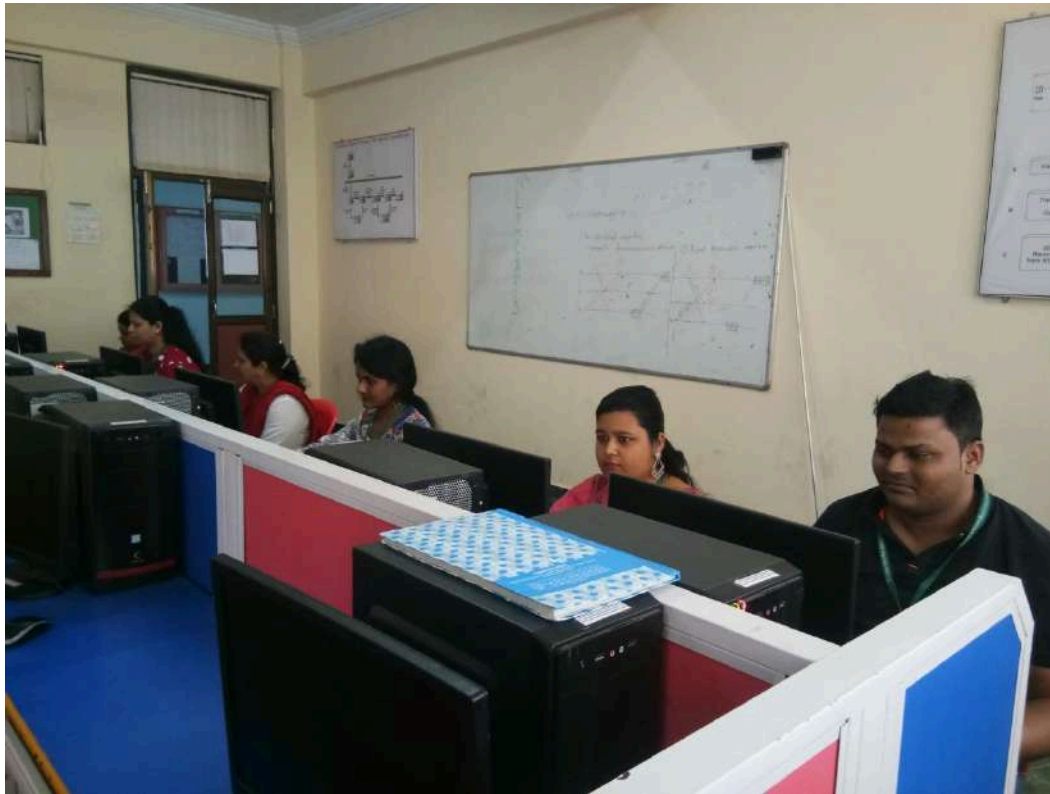


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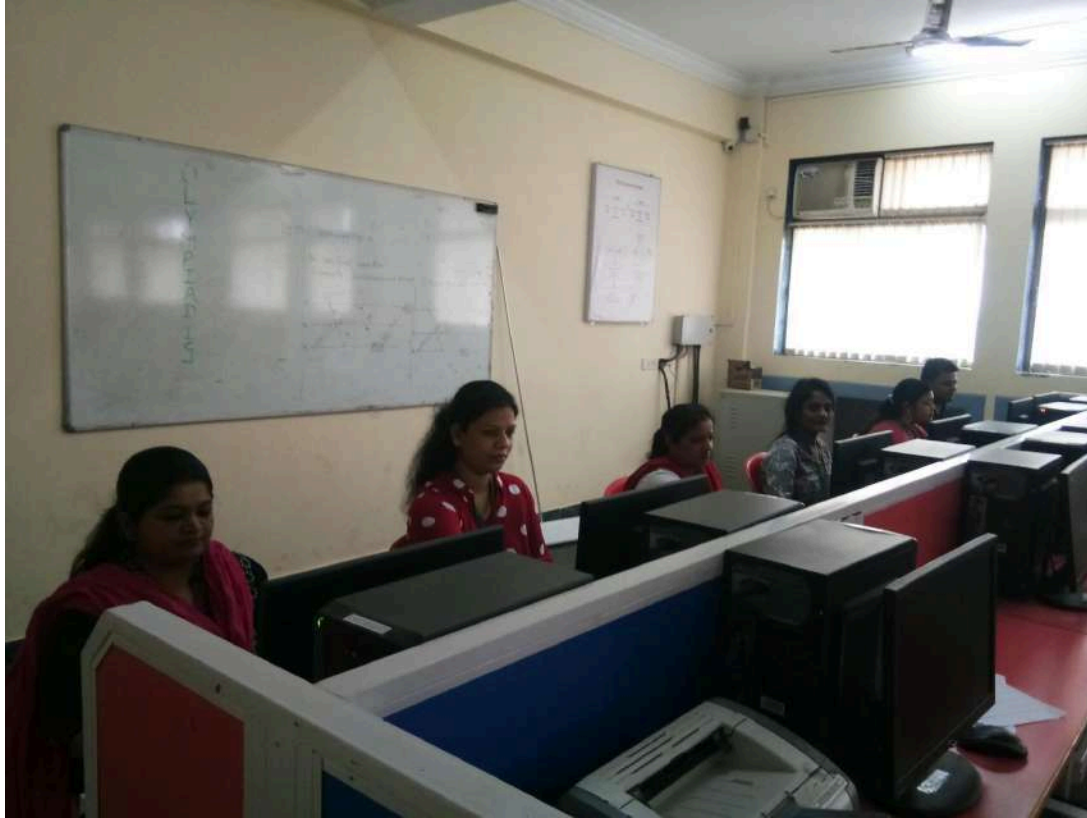
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An interactive session where the participants were asked to solve some problems was also included. The workshop received good feedback from the participants.



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### **One day training on Solar PV System at Tata Power Skill Development Institute, Shahad**

Department of Electrical Engineering organized a training programme in association with Tata Power Skill Development Institute (TPSDI) Shahad on 07th March 2020. Total 5 staff along with 4 students were present for training. The training was delivered by Mr. **Hari S. Rohra** & Mr. **Bhandari**, TPSDI, Shahad. Experts have more than 35 years of industrial experience. The training consists of both theory and hands-on skills. They gave a theory explanation at the beginning of the session.

The training session focuses on fundamentals of solar energy, wherein participants are briefed about fundamentals of solar radiation, solar geometry, solar noon, site survey and shadow analysis. The session also talked about different types of modules and cells. The participants gained initial practical experience on solar resource measurement and analysis, PV system configuration, and system designing.

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Following Contents were discussed during the Training as follows:

1. In-depth knowledge of basics, various components of a photovoltaic power plant such as photovoltaic modules, inverters, charge controllers, batteries, switchyard, and so on.
2. Photovoltaic system types, Earthing in Solar PV, design philosophy, principles, examples and calculations.
3. Installation of a solar PV system.
4. Project management, economics and finance of projects, solar policies.
5. Demonstration of Floating Solar system, Thermal Solar System and Rooftop systems.

The participants gain an overall understanding of the fundamentals, design, management and existing policies relating to solar PV technology.



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*Swahid*

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### **Webinar on Self Management**

Date: 18th June, 2020

Platform – Zoom App

Co-coordinator: Prof. Pranita Chavan

Ms. Prachi Thakur , Psychologist , Social Activist, Counsellor and Motivational Speaker possess bachelor's degree in Electrical engineering and Masters in Psychology has more than 18 years of experience in skills training, social activities, and mindfulness practitioner. Mam is a certified trainer and has given various talks on positive mindset and self management. Prof. Aamir Shaikh introduced the Speaker and Session started.

Expert Talk:

Speaker started the session with awareness of Covid-19 among One day workshop on "Non-destructive Testing of concrete: An innovative approach", organized by Department of Civil Engineering,PHCET Rasayani

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**23**

AUG

**National Workshop on “Non-Destructive Testing of Concrete: An Innovative Approach”**

CIVIL SEMINARS &amp; WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET &gt; Civil Seminars &amp; Workshops &gt; National Workshop on “Non-Destructive Testing of Concrete: An Innovative Approach”

Department of Civil Engineering conducted **One Day National Workshop on “Non-Destructive Testing of Concrete: An Innovative Approach”** on 23rd August, 2019. The workshop started with traditional lamp-lighting ceremony and a welcome address by **Mr. Raju Narwade**, Head of the Civil Engineering Department including brief introduction of the mission, vision and activities conducted in the department. This was followed by introduction of the workshop theme by **Ms. Gayatri Deshpande** (Convener of the workshop).

**Date** 23rd August, 2019

**Department** Civil Engineering

The main objective of the workshop was to explore and discuss the new techniques of Non-Destructive testing for concrete structures. Concrete Technology is very important subject of civil engineering. Its knowledge is required during planning, design and construction to ensure economical and safe designs of structures. Eminent speaker from illustrious company of Structwel Designers and Consultant Pvt. Ltd. was invited to address real-time testing done in construction work. **Mr. Kaustubh Raikar** (Executive Director) has delivered a seminar on various non-destructive testing on concrete such as Ultrasonic Pulse Velocity test, Rebound Hammer test, Cover meter test, Half Cell Potential test, Carbonation test, Core test, Infrared Thermography test, Endoscope test with the examples of practical case studies. Hands on training on this above mentioned instruments were also given to students which helped a lot for



Dr. Madhumita Chatterjee (Principal) felicitating Mr. Kaustubh Raikar (Executive Director)

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Mr. Kaustubh Raikar (Executive Director, Structwel) delivering lecture



Hands on training to students on non-destructive testing of concrete

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Hands on training to students on non-destructive testing of concrete



Mr. Kaustubh Raikar sir along with Faculty of Civil Engineering

*Kaustubh Raikar*

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## One day workshop on "Exploring Ferrocement", organized by Department of Civil Engineering, PHCET Rasayani

27

SEP

### Workshop on "Exploring Ferrocement"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > [Workshop on "Exploring Ferrocement"](#)

Department of Civil Engineering conducted One Day Workshop on "Exploring Ferrocement" on Friday, 27th September, 2019 from 9.30 a.m. to 4.30 p.m. Total 137 participants from Gharda Institute of Technology, Lavel, Ratnagiri, Vidyavardhini's College of Engineering and Technology, Vasai, Viswamk Om Gurudev College of Engineering, Shahapur, Vishwaniketan Institute of Management Entrepreneurship and Engineering Technology, Khalapur, Terna Engineering College, Nerul, Pillai HOC College Of Engineering & Technology, Rasayni, Pillai HOC Polytechnic Rasayni, Pillai HOC College of Architecture, Rasayni participated in this workshop.

<b>Date</b>	27th September, 2019
<b>Department</b>	Civil Engineering
<b>Venue</b>	Conclave-II, PHCET
<b>Co-ordinator</b>	Dr. Shilpa Pankaj Kewate

The objective of the workshop was to provide an insight into ideas of designs and techniques of ferrocement in construction. Mr. Pushyamitra Balkrishna Divekar (Managing Committee Member, Ferrocement Society, Head Office, Pune), Mr. P. P. Lele (Hon. Secretary, Ferrocement Society, Head Office, Pune), Mr. Milind Kulkarni (Hon. Secretary, Ferrocement Society, Head Office, Mumbai), Mr. Girish Sangle (Project Co-ordinator, Ferrocement Society, Head Office, Pune) were invited as resource persons. The event -was graced by the presence of Dr. Madhumita Chatterjee, (Principal, PHCET).



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Workshop Organizing Committee along with dignitaries

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Workshop Participants along with Dignitaries

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Hands-on Session

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Dr. Madhumita Chatterjee (Principal PHCET) welcomed all the participants for the workshop

**International workshop on "Application of Remote Sensing and GIS for sustainable development in Engineering", organized by Department of Civil Engineering, PHCET Rasayani**

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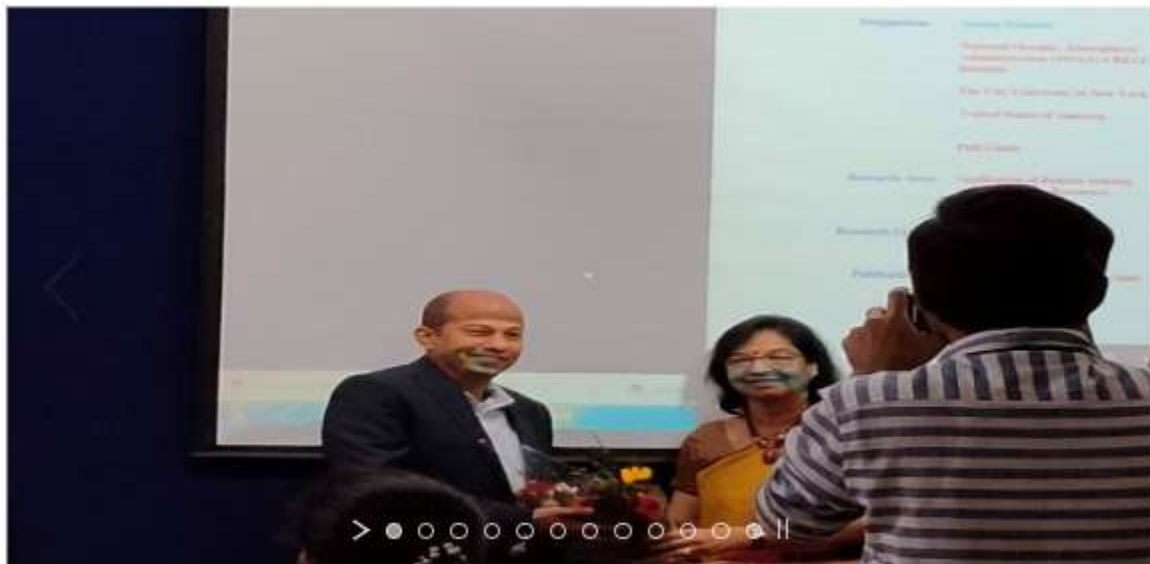
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**Department of Civil Engineering conducted an International Workshop on "Application of Remote Sensing and GIS for Sustainable Development in Engineering" on 13th and 14th January, 2020.** The workshop started with traditional lamp-lighting ceremony and a welcome address by Mr. Raju Narwade, Head of the Civil Engineering Department.

<b>Date</b>	13th and 14th January, 2020
<b>Venue</b>	Conclave-I, PHCET
<b>Convener</b>	Mr. Raju Narwade
<b>Department</b>	Civil Engineering

The main objective of the workshop was to explore and discuss the techniques of remote sensing and GIS which has many applications for sustainable development in rural and urban areas in the field of surveying (topographic / cadastral / natural resources etc.), construction (urban / rural / municipal / infra-structure / materials etc.), transportation (roads / bridges / traffic etc.), water resources (water supply / treatment / canals / dams / storm / sewers etc.), environment (chemical and biological waste / pollution impact / remedy / resource-management / public-health etc.), geological (rock soil mechanics / earthquake engineering etc.) and coastal (erosion / flood / defence / hydro-dynamics etc.) GIS greatly enhances the optimum use of land, the functional efficiency of a proposed design, its marketability etc. GIS is a powerful tool in the management of spatial information. The primary advantage of using GIS as a database for transportation data is the fact that GIS can integrate the spatial data and display the attribute data in a user-chosen format.



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Mr. Deepak Choksi, Associate Director: Bhugol GIS Pvt Ltd., Former Project Engineer (IIT Bombay). He delivered a Seminar on "Principles and Applications of GIS and Remote Sensing using GRAM ++ GIS".



Mr. Karthik Nagarajan, Associate Professor, Civil Engineering Department, PHCET, Rasayani. He delivered a Seminar on "Outreach Centre and ISRS Activities: Awareness towards RS and GIS".

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Dr. Tarendra Lakhankar delivering a seminar



Dr. Priam Pillai, (Ph.D. - MIT United States of America), Professor in Mechanical Engineering Department, Pillai College of Engineering, New Panvel. He delivered a Seminar on "Studying Urban Growth using GIS and Remote Sensing"

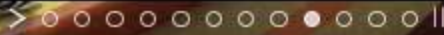
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## One day webinar on Effective Teaching Methodology conducted by Department of Civil Engineering,PHCET (Lockdown activity)

05

MAY

### Webinar on "Effective Teaching Methodology"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Effective Teaching Methodology"

Department of Civil Engineering conducted an Expert Lecture (Webinar) on "Effective Teaching Methodology" on 5th May, 2020 at 11:00 a.m. The keynote speaker Dr. M. N. Shesha Prakash (Ph.D. from IISc, Bengaluru), presently working as Vice-Principal, Professor and Head of Civil Engineering Department in VVIET, Mysore, Karnataka. About 995 registrations were received by professors from IIT's, NIT's and reputed institutions across the nation. E-Certificates were issued to all the participants.

<b>Date</b>	5th May, 2020
<b>Platform</b>	CISCO Webex Meetings
<b>Co-coordinator Convener</b>	Mr. Sandeep G. V. and Mr. Raju Narwade
<b>Department</b>	Civil Engineering



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Reaccredited by NBA for Computer and Mechanical Engineering 2020  
Winner of the First Position for Workplace Safety Awards 2019  
Winner of Indian Merchant Chamber's Ramakrishna Bajaj National Quality Performance Excellence Trophy - 2019

Organized by Department of Civil Engineering

AN EXPERT LECTURE  
ON

## Effective Teaching Methodology



Keynote Speaker

**Dr. M.N. Shesha Prakash**

PhD (IISC, Bangalore)

Vice-Principal, VVIET, Mysore, Karnataka

Teaching and Research Experience : 33 Years

Date: 5<sup>th</sup> May 2020

Time : 11:00 AM

### HOW TO ATTEND :

1. Install Webex meeting application
2. Click on the link given below at 11:00 AM on 5<sup>th</sup> May 2020

<https://meetingsapac11.webex.com/meet/dr.mysore.prakash>

### For any query please contact OR WhatsApp

1. Mr. Raju Narwade (8108202122)

(HOD, Dept. of Civil Engineering)

2. Mr. Sandeep. V. Gujjar (8793169868)

(Asst. Professor, Dept. of Civil Engineering)

**NOTE:** E-Certificate will be issued to all the participants.

In Association with



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**EFFECTIVE TEACHING**

**Dr. M.N. Shesha Prakash**  
Ph.D, MSc (Info-Tech), MBA (HRM)

Vice Principal, Professor and Head  
Department of Civil Engineering,  
Vidya Vikas Institute of Engineering & Technology  
Mysore-570 028  
Email: vp.vviet@gmail.com

Dr. M.N. Shesha Prakash, Vice Principal, VVIET

**EFFECTIVE TEACHING**

**What do Industries want?**

1. Good attitude
2. Ability to learn
3. Willingness to learn
4. Teamwork & discipline
5. Risk taking mentality
6. Knowledge on problem solving methods
7. Creativity (ability to see alternate solutions)

Dr. M.N. Shesha Prakash, Vice Principal, VVIET



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**One day webinar on Futuristic Engineering conducted by Department of Civil Engineering, PHCET (Lockdown activity)**

**13 MAY** | **Webinar on "Futuristic Engineering"**  
 CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Futuristic Engineering"

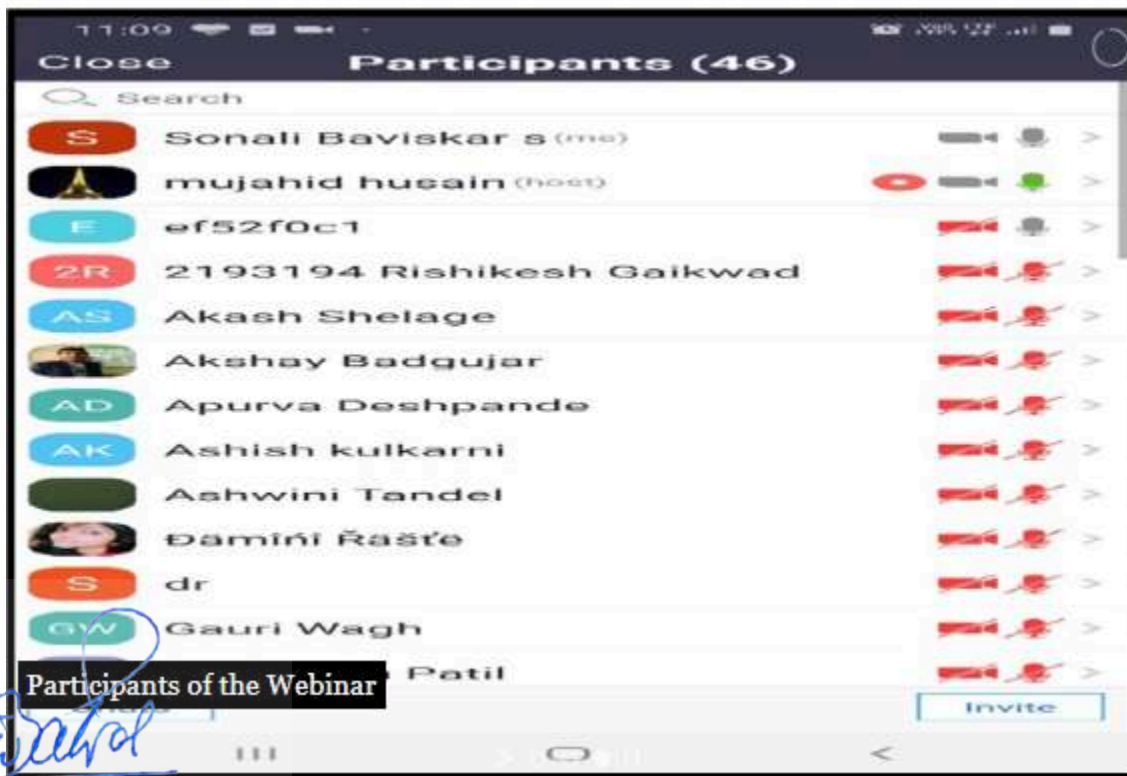
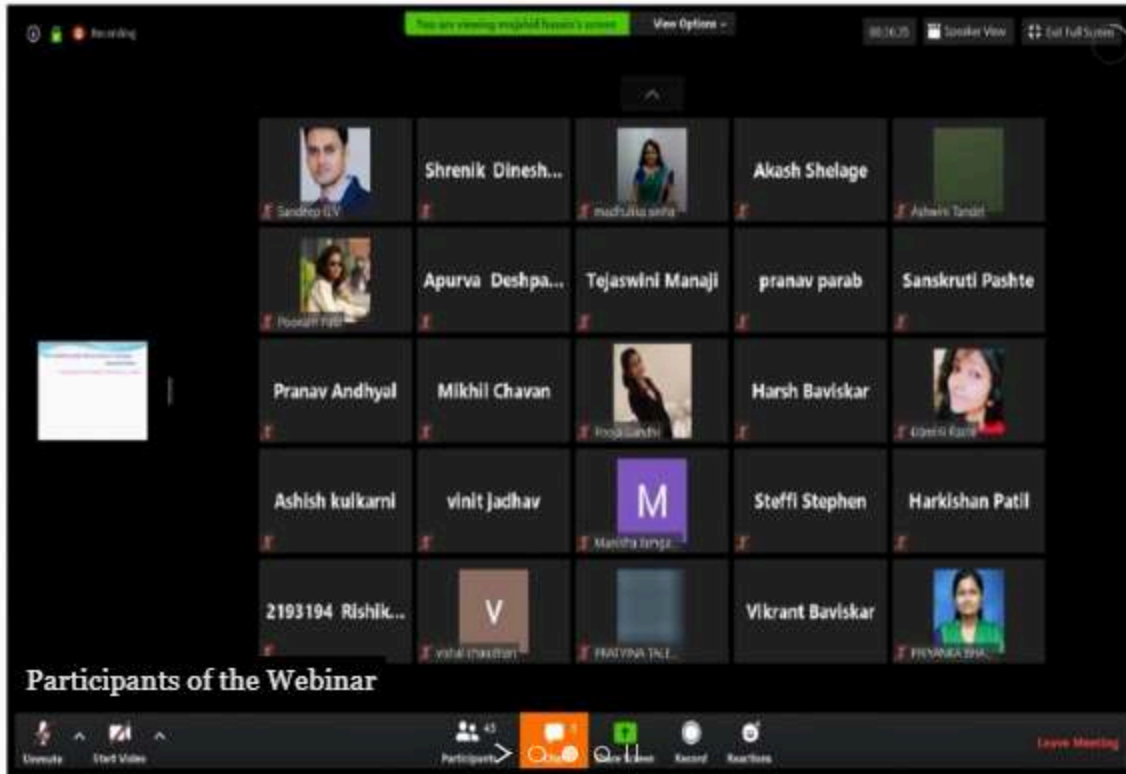
Department of Civil Engineering, Pillai HOC College of Engineering & Technology, Rasayani, conducted a webinar on "Futuristic Engineering" on Wednesday, 13th May, 2020 at 11:30 a.m. Dr. Mujahid Husain, Professor and Head, Department of Civil Engineering at SSBT's College of Engineering & Technology, Bambhori, Jalgaon, Maharashtra was an invited as a resource person for the same.

**Date** 13th May, 2020  
**Platform** Zoom Cloud Meeting App  
**Department** Civil Engineering  
**Co-ordinator** Ms. Sonali Baviskar

The main objective of the webinar was to focus on the advances in engineering, its impact on the society and the environment and to know about directives for sustainable development.

Total 46 participants from various institute of Mumbai university attended the webinar. The webinar was highly informative for faculty, students and research scholars. The webinar was fruitful as the participants gained the knowledge about futuristic engineering. All the participants were issued E-certificate

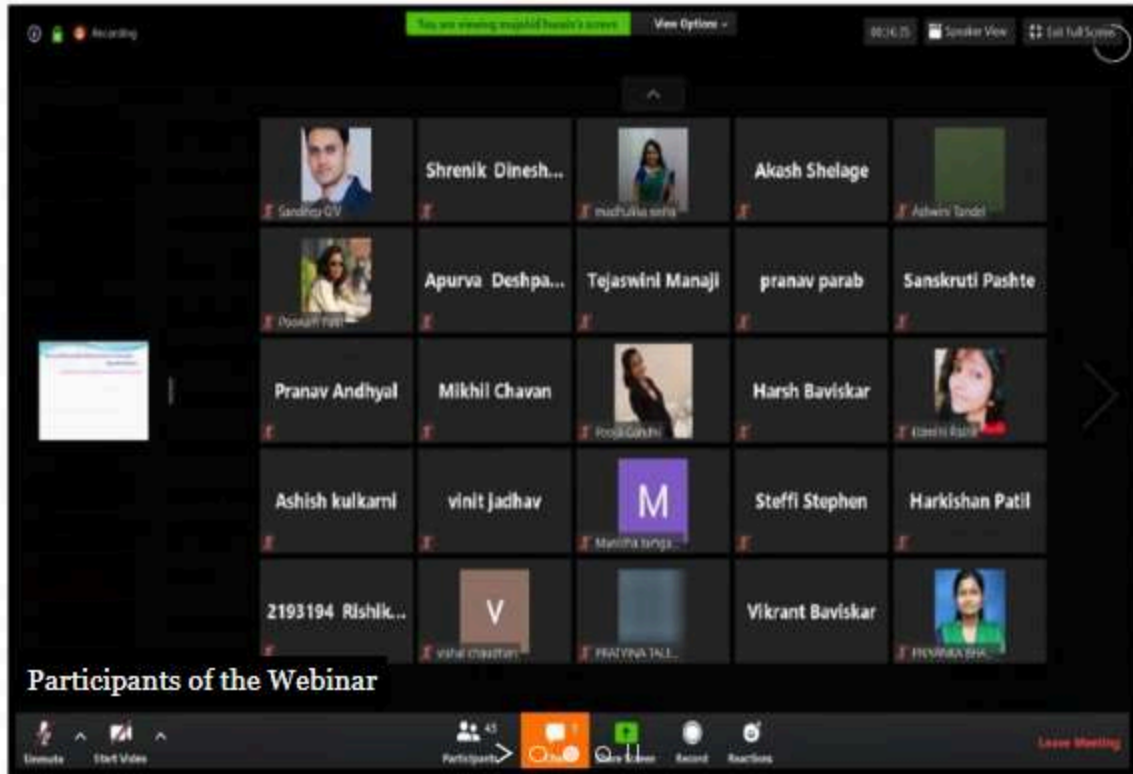
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*Sarav*

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One day webinar on Green Building and Sustainability conducted by Department of Civil Engineering, PHCET (Lockdown activity)

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14

MAY

## Webinar on "Green Building and Sustainability"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Green Building and Sustainability"

Department of Civil Engineering conducted webinar on "Green Building and Sustainability" on Thursday, 14th May, 2020 at 4 p.m. Total 100 participants from Melbourne (Australia), Chhattisgarh, Karnataka, Chhattisgarh, Chennai, Ahmedabad, Bengaluru, Amravati, Pune, Nashik, Akola, Bhandara, Chandrapur, Nagpur, Thane Navi Mumbai and Mumbai participated in this webinar.

**Date** 14th May, 2020  
**Platform** Zoom Cloud Meeting App  
**Co-ordinator** Dr. Shilpa Pankaj Kewate  
**Department** Civil Engineering

The objective of the webinar was to provide an insight into revolutionary ideas of green building and sustainability. Mr. Bhavesh Mehta, (Deputy General Manager, Engineering Design at Reliance Industries Limited, Navi Mumbai) is Core committee member of Confederation of Indian Industries, Indian Green Building Council, Mumbai chapter was invited as a resource person. Mr. Bhavesh Mehta delivered a seminar on green building and sustainability and also explained about availability of huge potential for the green building industry for the fresh engineers after their graduation for becoming entrepreneurs. At the end question-answer session was conducted on green building and sustainability. The webinar was fruitful as the participants gained new innovative ideas of designs and techniques of green buildings.

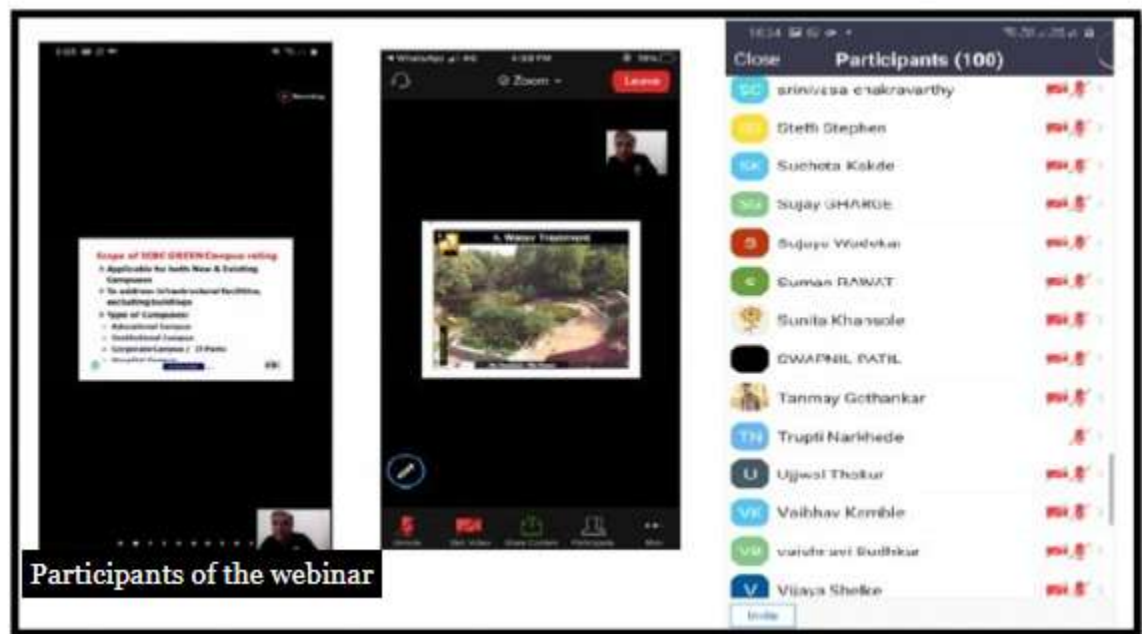
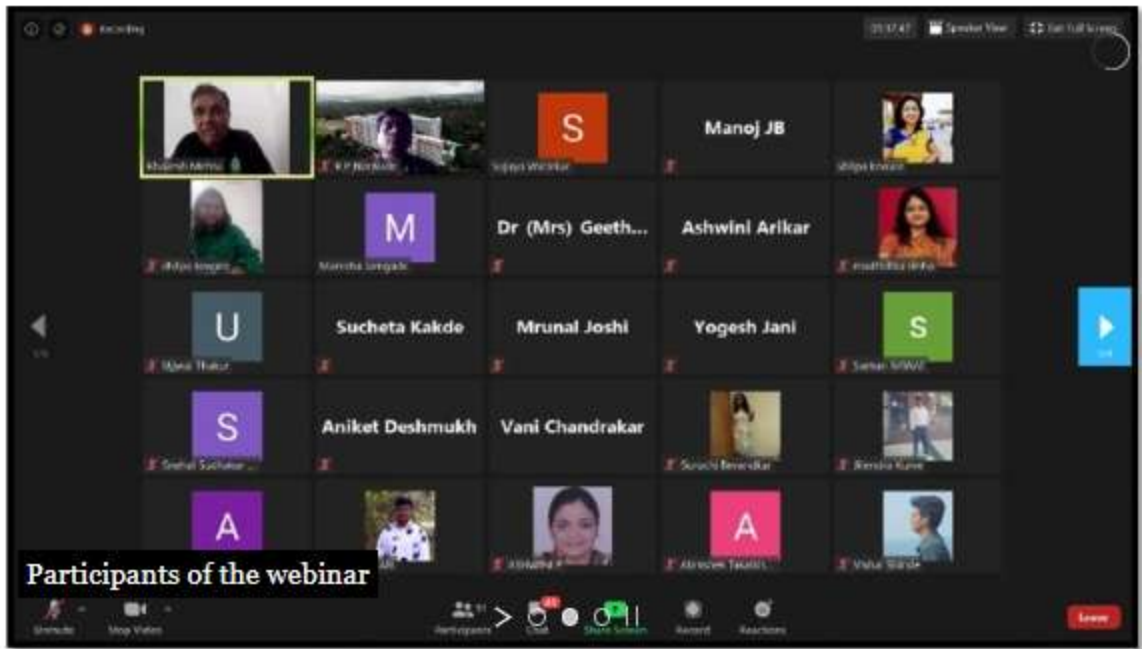


*Shilpa Kewate*

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## One day webinar on Role of Supplementary Cementitious Materials on Concrete Durability organized by Department of civil engineering, PHCET (Lockdown activity)

PHCET > Civil Seminars & Workshops > Webinar on "Role of Supplementary Cementitious Materials on Concrete Durability"

Department of Civil Engineering conducted webinar on "Role of Supplementary Cementitious Materials on Concrete Durability" on 19th May, 2020 at 11.30 a.m. Total 100 participants from Chhattisgarh, Bihar, Tamil Nadu, Lucknow, Ahmedabad, Bengaluru, Amravati, Pune, Nashik, Akola, Chandrapur, Nagpur, Thane, Navi Mumbai and Mumbai have participated in this webinar. The participants from industries such as UltraTech Cement, Zigma Global Environ Solutions Private Limited, Avighnaa Contractors Private Limited have also participated in this webinar.

<b>Date</b>	19th May, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Co-ordinator Convener</b>	Ms. Madhulika Sinha, Mr. Raju Narwade
<b>Department</b>	Civil Engineering

The expert, Mr. Sadanand Govilkar is working as a Managing Director at Avant-Tech Lab and Research Centre Private Limited, Turbhe, MIDC, Navi Mumbai. He is a life member of Institute of Concrete Technology, London, UK (MICT) and also Life member of Indian Concrete Institute (MICI).

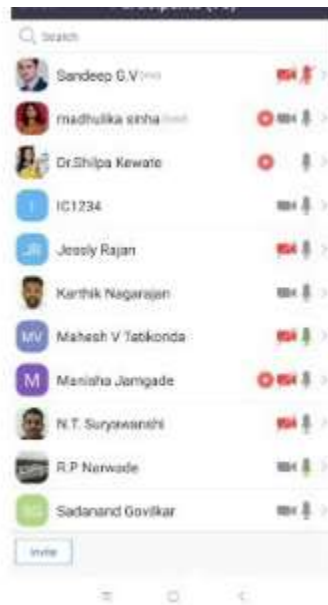
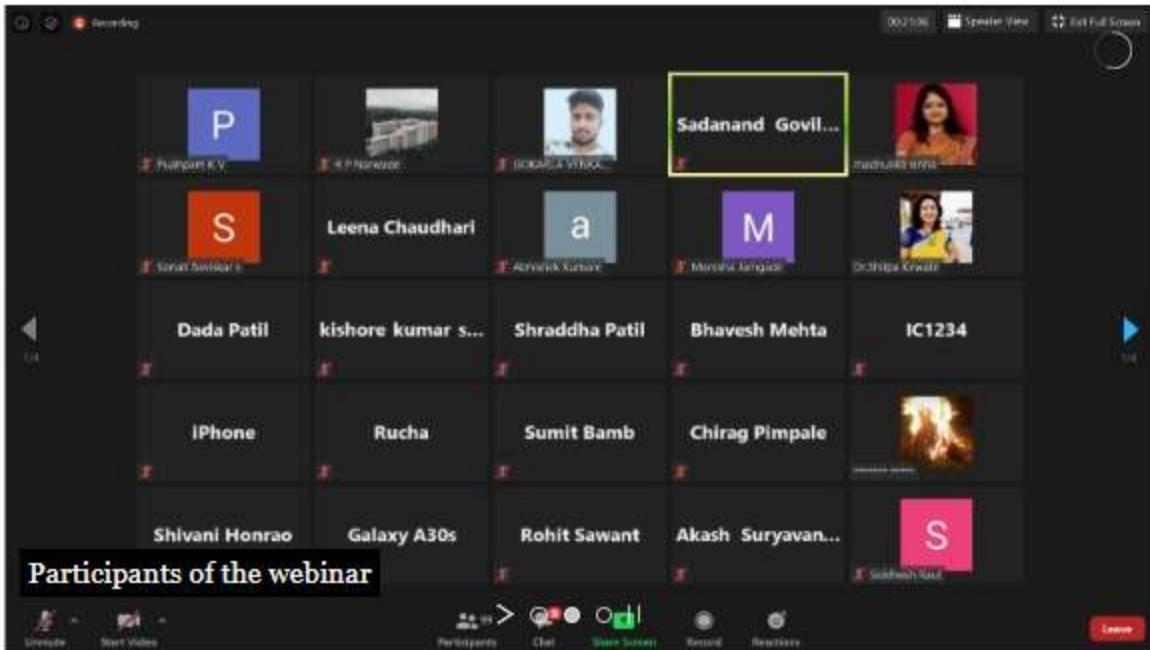


*S. J. Patil*

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Participants of the webinar

*Sadanand*

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**One day webinar on conservation of water by Intensive afforestation and Rain water harvesting organized by Department of Civil Engineering ,PHCET (Lockdown activity)**

**25**

MAY

**Webinar on "Conservation of Water by Intensive Afforestation and Rainwater Harvesting"**

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Conservation of Water by Intensive Afforestation and Rainwater Harvesting"

Department of Civil Engineering conducted a Webinar on "Conservation of Water by Intensive Afforestation and Rainwater Harvesting" on Monday, 25th May, 2020 at 4 p.m. Total 68 participants from Delhi, Jammu and Kashmir, Hyderabad, Kanpur (Uttar Pradesh), Bengaluru, Belgam, Laxmeshwar (Karnataka), Chhattisgarh, Madhya Pradesh, Gujarat, Akola, Wardha, Dhule, Beed, Aurangabad, Lucknow, Chennai, Ahmedabad, Amravati, Pune, Kolhapur, Nashik, Bhandara, Chandrapur, Nagpur, Thane, Navi Mumbai and Mumbai, participated in this webinar. Participants were from different sectors viz several faculties of various engineering colleges and other streams like MBA (NICMAR), Architecture, M.Tech. and Ph.D. students from all over India, government sectors (Irrigation Department, Kokan Bhavan), practising engineers and architects (Artefact Projects Private Limited), Contractors (Geocon International Private Limited Mumbai), Consultancies (Rectangle Civil Consultant, Nagpur) and Becquerel Industries Private Limited, Nagpur, TUV SUD South Asia, New Delhi, Zigma Global Environ Solutions Private Limited, Nagpur.

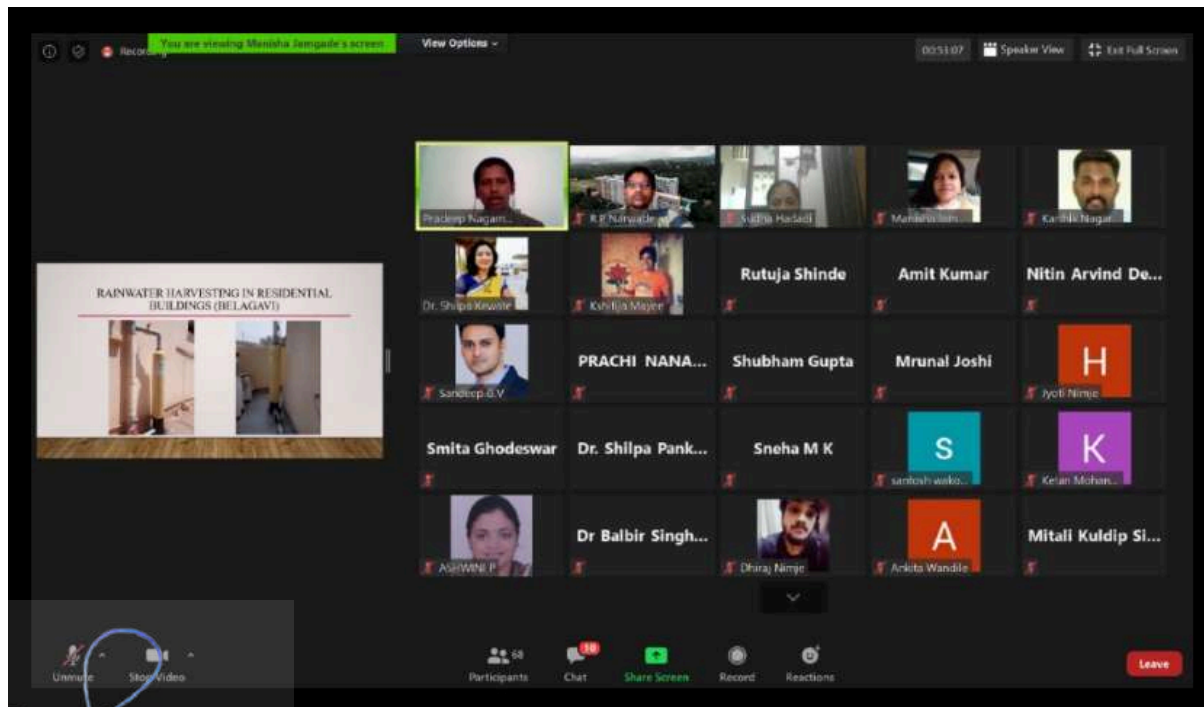
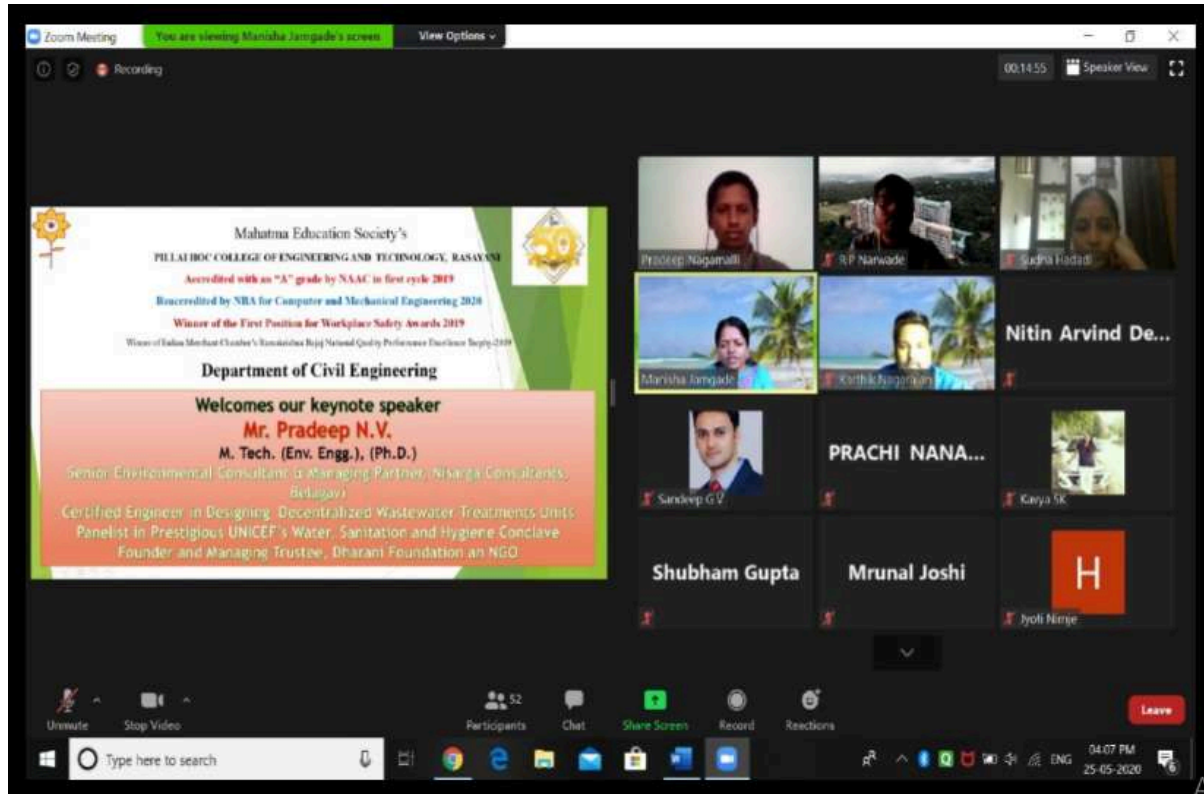
<b>Date</b>	25th May, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Co-ordinator Convener</b>	Ms. Manisha Jamgade, Mr. Raju Narwade
<b>Department</b>	Civil Engineering



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*Pradeep*

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# RAINWATER HARVESTING

- Rainwater harvesting means capturing the rain where it falls or capturing the runoff and taking measures to store that water and keep it clean for further use.
- One of the world's most important ancient water supply techniques.
- Rainwater is an important water source in many areas.



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## RAINWATER HARVESTING AT KLE'S CET, LADIES HOSTEL CAMPUS, BELAGAVI



00:47:59

00:22:40

The theme was explained by Ms. Manisha Jamgade, webinar coordinator followed by review of webinar and introduction of our institute and its mission and vision by Mr. Raju Narwade, Head of Civil Engineering Department.

Mr. Pradeep N. V. (Senior Environmental Consultant & Managing Partner, Nisarga Consultants, Belagavi) is a Certified Engineer in Designing Decentralized Wastewater Treatments Units, Panellist in Prestigious UNICEF's Water, Sanitation and Hygiene Conclave and Founder and Managing Trustee of Dharani Foundation an NGO, was invited as a resource person. He is members many organizations, few are International Society of Environmental Informatics, Society for Sugar Research and Promotion and World Environmental Organization.

Mr. Pradeep N. V. explained how uncontrolled exploitation of water resources are responsible for water crisis in India as well as all over the world in spite of abundant rainfall. He also enlightened the rich traditional and advanced Afforestation techniques and Rain water harvesting practices existing, their applicability and suitability in various soil types as well. He explained how taking a holistic approach to water conservation is significant in conservation of water. The session was followed by question-answers where the speaker cleared the doubts of the participants. The webinar concluded with vote of thanks given by Mr. Karthik Nagarajan. The webinar was productive as the participants expanded new innovative ideas for the design and installation of rain water harvesting techniques.



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## One day webinar on Geotechnical Aspects for Nuclear Facility organized by Department of Civil Engineering, PHCET (Lockdown activity)

30

MAY

### Webinar on "Geotechnical Aspects for Design and Construction of Nuclear Facility"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Geotechnical Aspects for Design and Construction of Nuclear Facility"

Department of Civil Engineering conducted Webinar on "Geotechnical Aspects for Design and Construction of Nuclear Facility" on Saturday, 30th May, 2020 at 11.30 a.m. Total 100 participants from Karnataka, Nagpur, Thane, Navi Mumbai and Mumbai participated in this webinar. Faculty from several Engineering Institute, MTech and PhD students from attended the webinar.

<b>Date</b>	30th May, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Department</b>	Civil Engineering
<b>Co-ordinator</b>	Ms. Ashwini P

Geotechnical engineering forms an important part in design and construction of buildings as to ensure safe and stable founding of the building, for distribution of loads without settlement or failure of founding strata. In case of nuclear power plant (NPP)/ nuclear facility (NF) the importance is well enhanced considering the degree of safety associated with it.

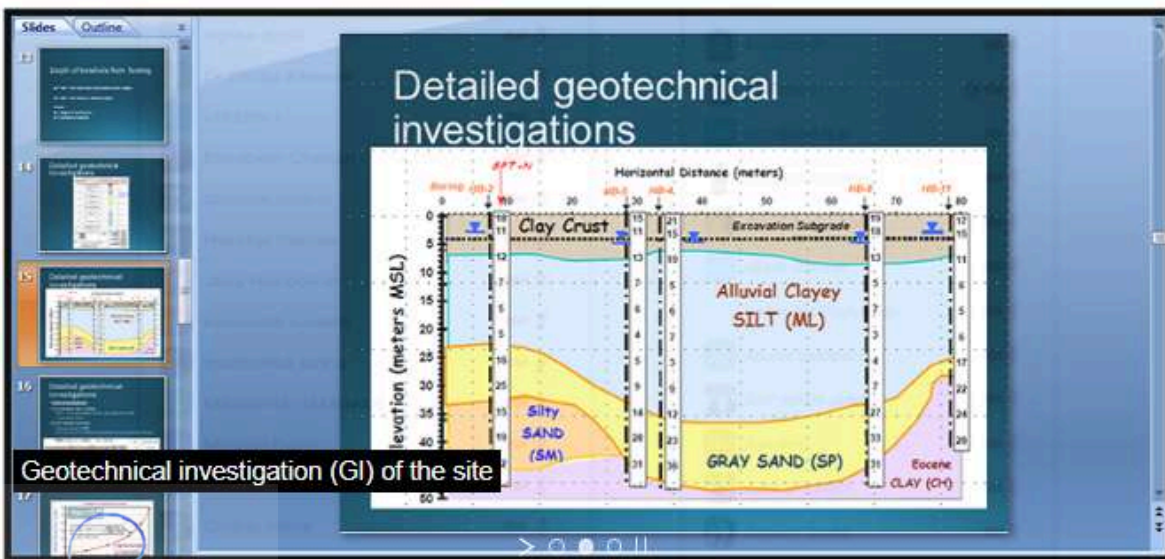
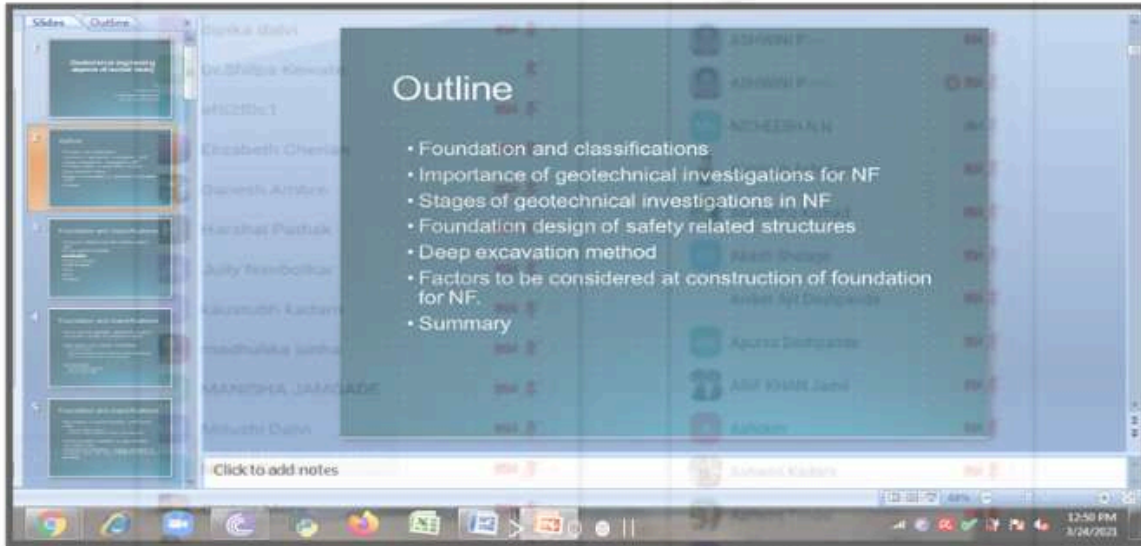


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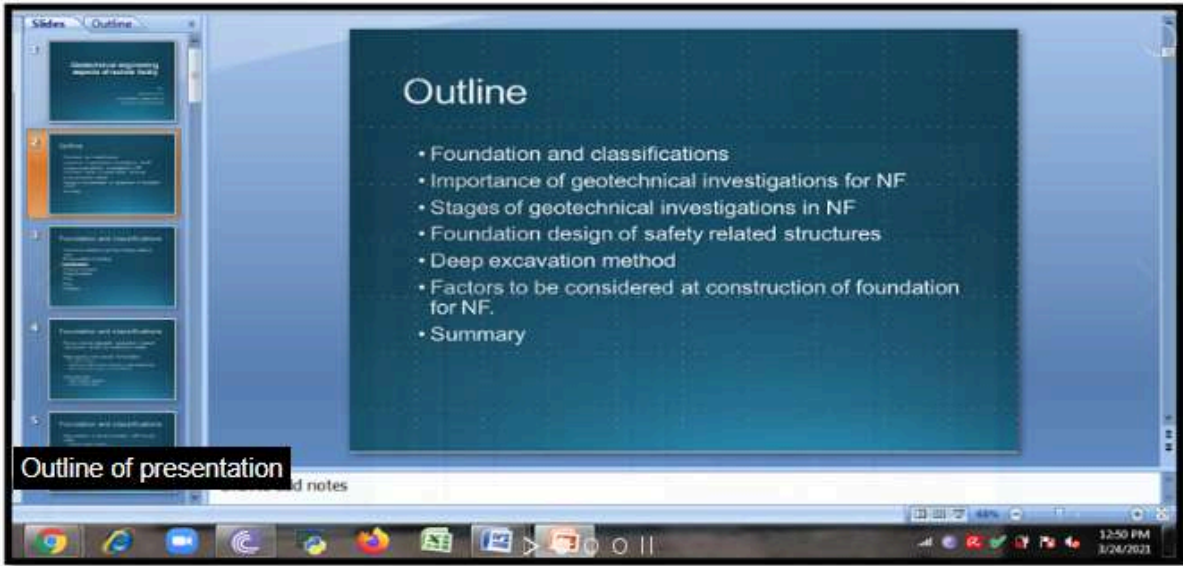
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**STTP on Post Covid Challenges in Infrastructure and Environmental Engineering  
organized by Civil Dept,PHCET (Lockdown activity)**

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PHCET > Civil STTP > STTP on "Post Covid Challenges in Infrastructural and Environmental Engineering"

In commemoration of Golden Jubilee year of Mahatma Education Society, Department of Civil Engineering in association with Indian Society of Remote Sensing, Mumbai Chapter, Association of Structural Rehabilitation, Mumbai Chapter and Institution of Engineers, India, Belapur local chapter conducted a Short-Term Training Program on Post Covid Challenges in Infrastructural and Environmental Engineering from 8th to 11th June, 2020. Eminent speakers from academic, various field of civil and construction industry delivered their lecture. Effect of Covid-19 pandemic on construction industry were discussed. More than 500 participants from all over India registered.

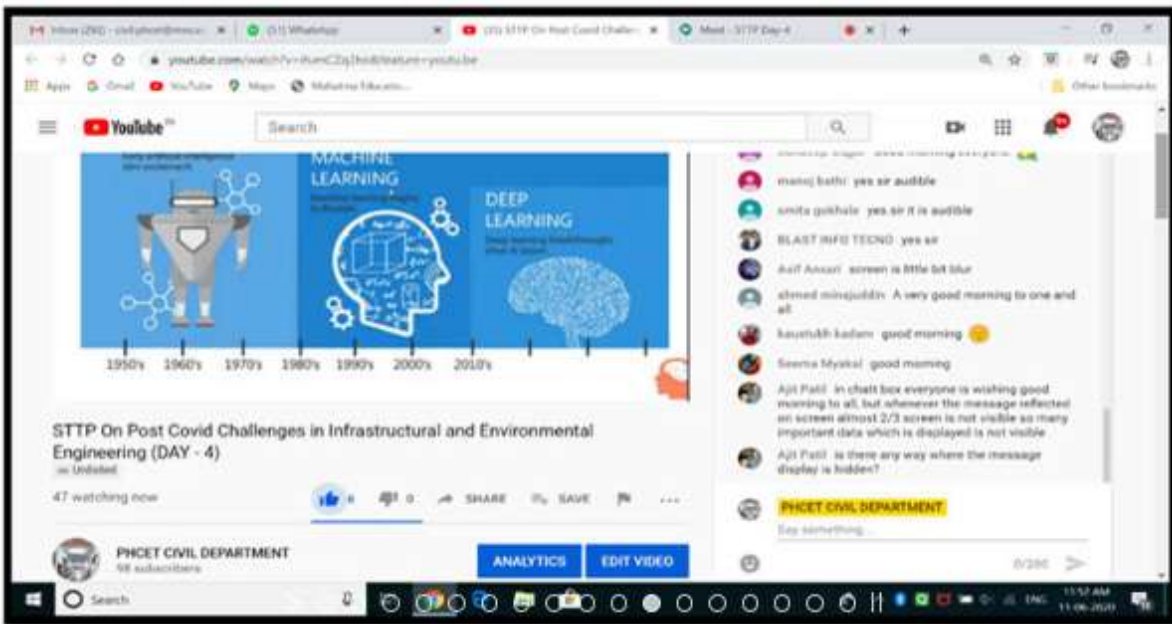
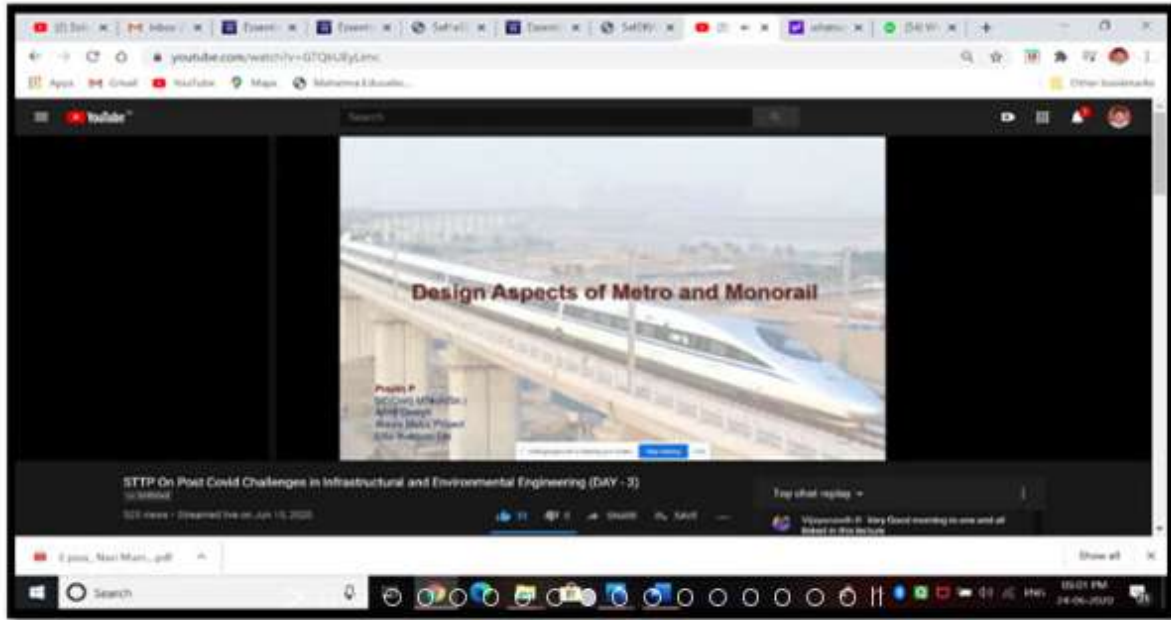


*Sunil Kulkarni*

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*T. J. S. Prasad*

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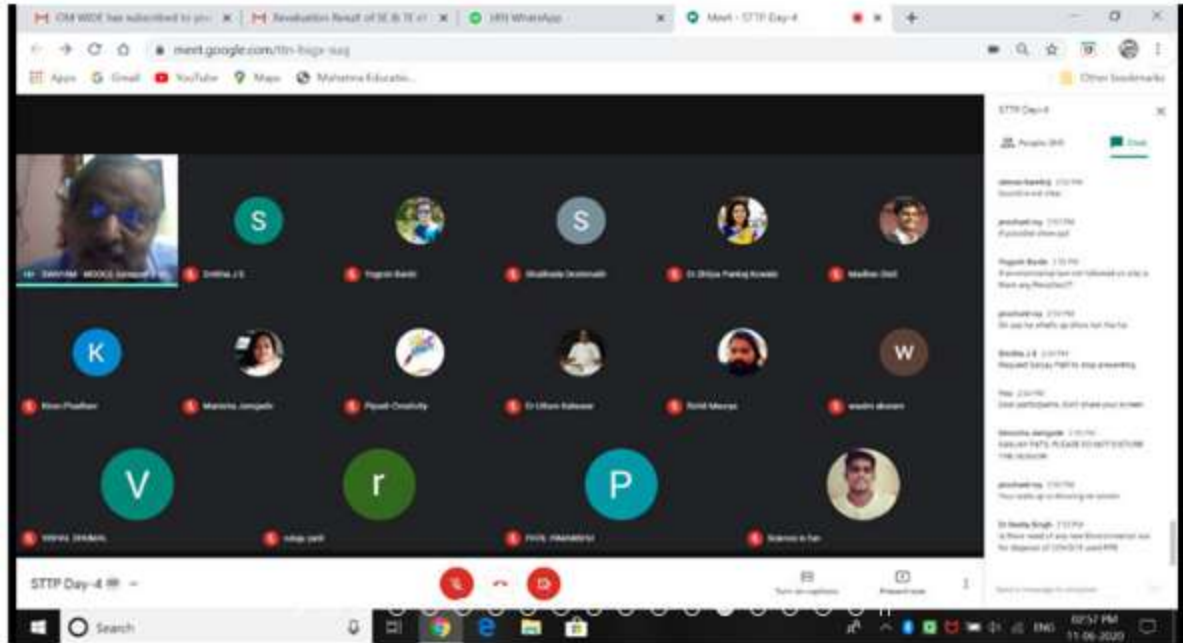
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## Yoga - Affirmation to Train Your Subconscious Mind organized by Department of Civil Engineering,PHCET (Lockdown activity)

27

JUN

### Webinar on "Yoga – Affirmations to Train Your Subconscious Mind"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Yoga – Affirmations to Train Your Subconscious Mind"

Department of Civil Engineering conducted Webinar "Yoga – Affirmations to Train Your Subconscious Mind" on 27th June, 2020 at 4:00 p.m. Total 100 participants from Arunachal Pradesh, Telangana, Delhi, Jharkhand, Karnataka, Maharashtra, Tamil Nadu, Gujrat participated in this webinar.

<b>Date</b>	27th June, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Coordinator</b>	Dr. Shilpa Pankaj Kewate
<b>Department</b>	Civil Engineering

The objective of the webinar was to bring out the importance of yoga for emotional balance by giving information about training the subconscious mind. Dr. Rashmi Manjunath Nookala, M.D. (Ayurveda), PGDYTD (Yoga), M.A. in Child Mental Health, Ayurveda and Yoga Consultant, Parivartan Ayuryoga Wellness centre was invited as a resource person. Dr. Rashmi explained the importance of Yoga and its impact on the mind, body and spirit of a human being. She has also explained remedies for personal health problems to the participants. The session concluded with an interactive session between the Dr. Rashmi and the participants in which the queries of the participants were addressed satisfactorily. The session was very refreshing, reviving and relaxing.

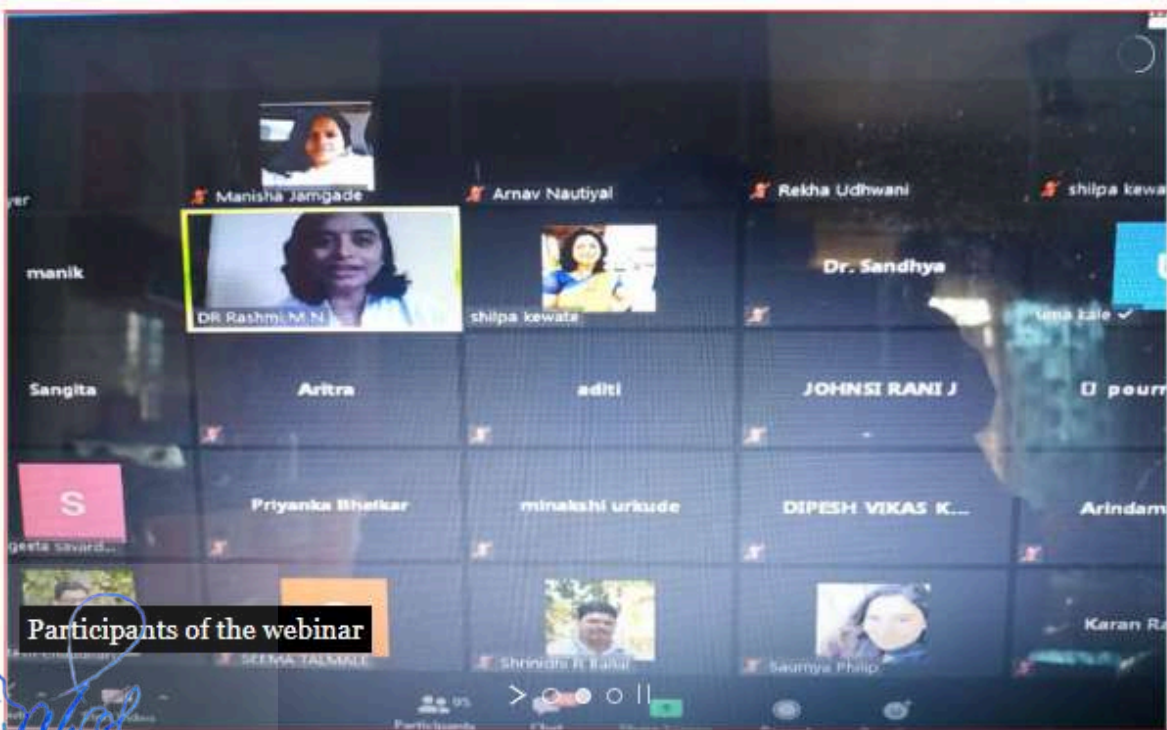
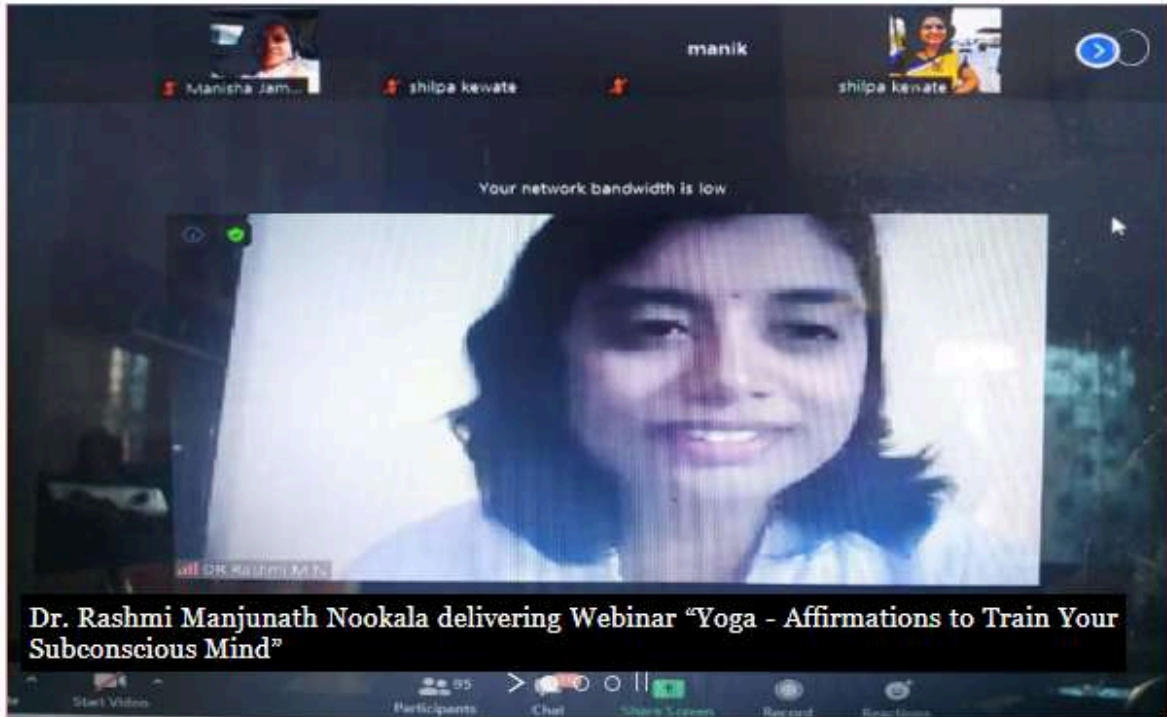


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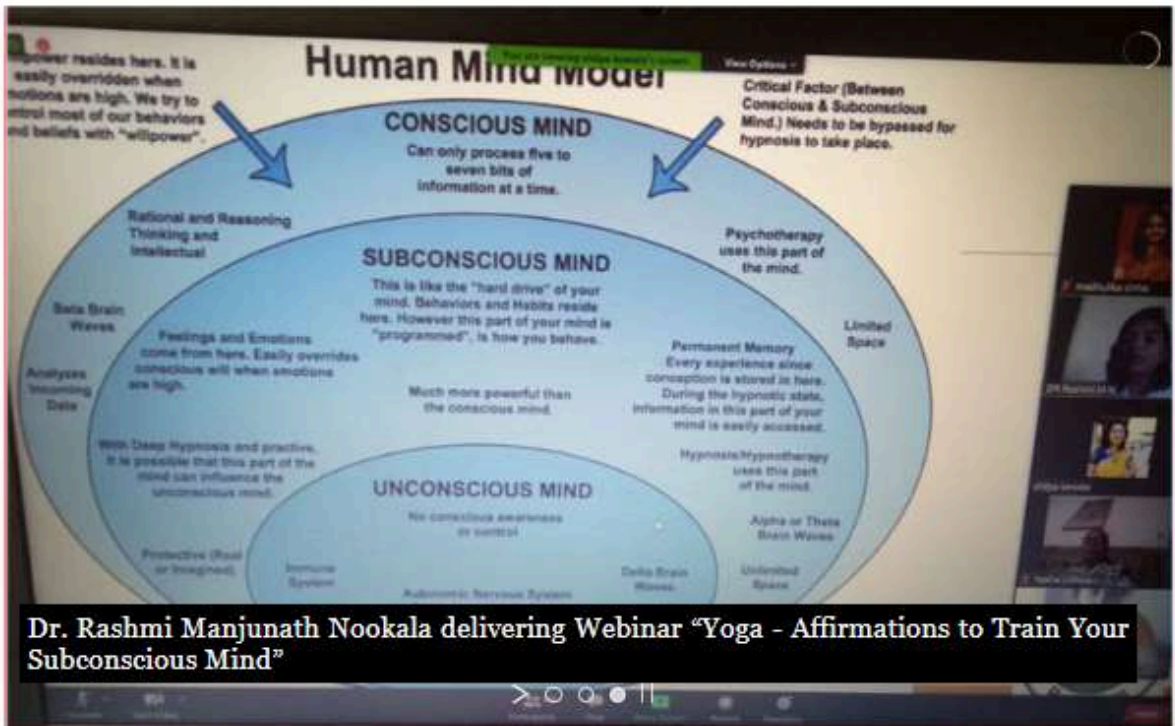




*S. Talwar*

Participants of the webinar

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Dr. Rashmi Manjunath Nookala delivering Webinar "Yoga - Affirmations to Train Your Subconscious Mind"

with the precautionary measures to be taken and consequences of Corona was highlighted Mam explained how to be mentally strong in such situation by meditation, deep breath and yoga where participants interacted positively. In such situation what should be the prime responsibility of citizen was addressed

Participants were motivated to utilize time and work with NGO for making masks , distribution of sanitizer and work in all possible ways to fight against Corona. Participants were shown presentations on an online platform and asked to discuss doubts without hesitation. Bhavesh Kalyankar student from BE Electrical asked question about positive thinking and he was happy by the support of college

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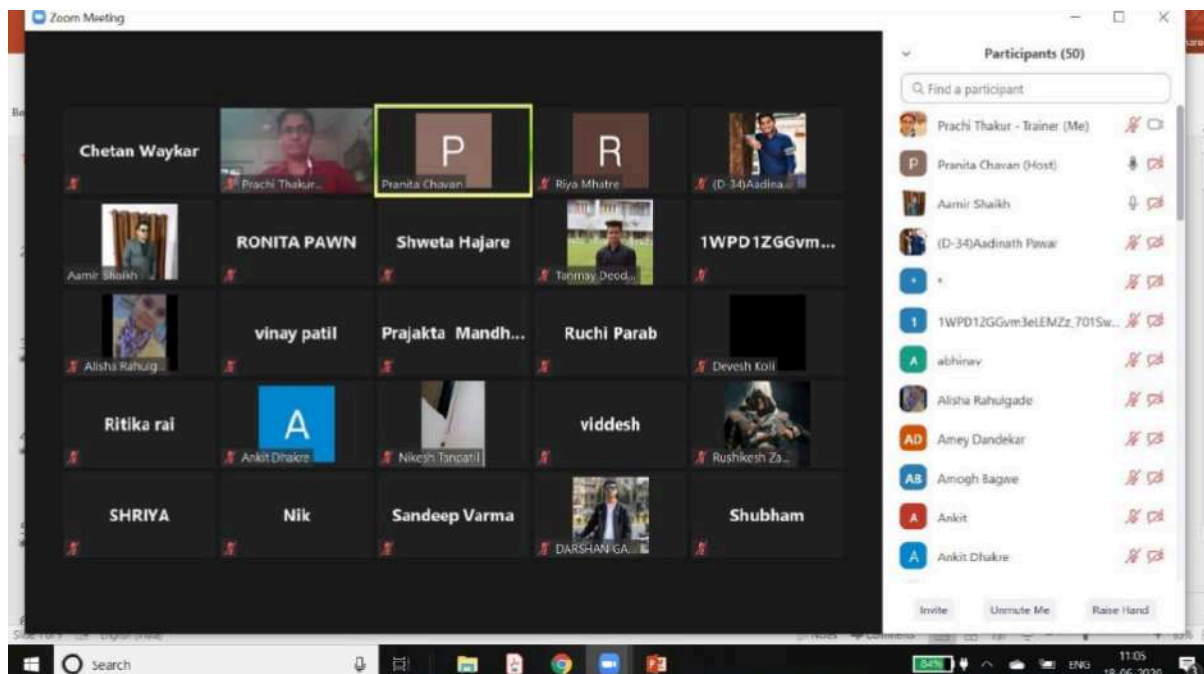
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Mam explained the scenario of current situation with examples and we as responsible citizen should contribute to state government and central government and together as a nation we will win against Corona. Various projects like Mask with face image can be made to provide needy and projects related to sanitization, safety, cleanliness should be done and as an engineer projects done will be boon to society. Mental stress management is key in such lockdown conditions because we have to cope up with daily stress. With positive thinking we as a nation will overcome this pandemic and post pandemic planning of education and finance should be done.

This expert session has great impact on participants as well as faculties for awareness of Covid-19 and how to deal with it as well as planning for the future.

Total 72 participants have attended the session and all have given positive feedback and requested to conduct such sessions in future also.

Explanation by Expert



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## **Expert Lecture On “From an Arduino Prototype to a commercial product”**

Date: 20th June, 2020.

Platform: Google meet App

Speaker: Porf. Ruchira Patole.

Co-coordinator: Prof. Sanobar S.

Schedule:

Time Program

11:00 a.m to 11:10 am Inauguration

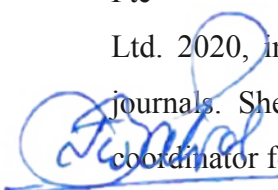
11:15 am to 12:45 pm Lecture

12:45 pm to 01:00 pm Vote of Thanks

Speaker Profile

Ms. Ruchira Patole, currently working as an Assistant Professor in Electronics Engineering Department of Pillai College of Engineering, new Panvel, possesses a Master’s and Bachelor’s degree in Electronics Engineering from Mumbai University with distinction. She has more than 7 years of experience in teaching. She has published a book chapter in Springer Nature Singapore Pte

Ltd. 2020, indexed by SCOPUS. She has also published papers in national and international journals. She has also conducted many workshops for faculties and students. She is also a coordinator for conducting workshops in college held by IIT Bombay.



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Prof. Sanobar S. introduced the Speaker and Session started.

Expert Talk:

Speaker started the session with the introduction of the Arduino. She explains the types of Arduinos available in the market and how participants can reform them into a commercial product. She has also

showed them the working model and parts of the drone using Arduino. She also highlighted the costing analysis for final year projects using Arduino kit. She has also given brief overview of useful soft

wares used for the resultant product. Participants were motivated to utilize their time in studying and hands on training for Arduino Workshops.

Siddhartha Nag and Bhavesh Kalyankar, students from BE Electrical, asked questions about costings and soft wares and the speaker gave satisfactory answers to all the queries.

This expert session has a great impact on students as well as faculties.

Total 60 participants attended the session and all gave positive feedback. They have also requested to conduct such hearings and hands on sessions in future.

We also have recordings of the whole session for those who were unable to join us due to network issues or some other unavoidable circumstances.



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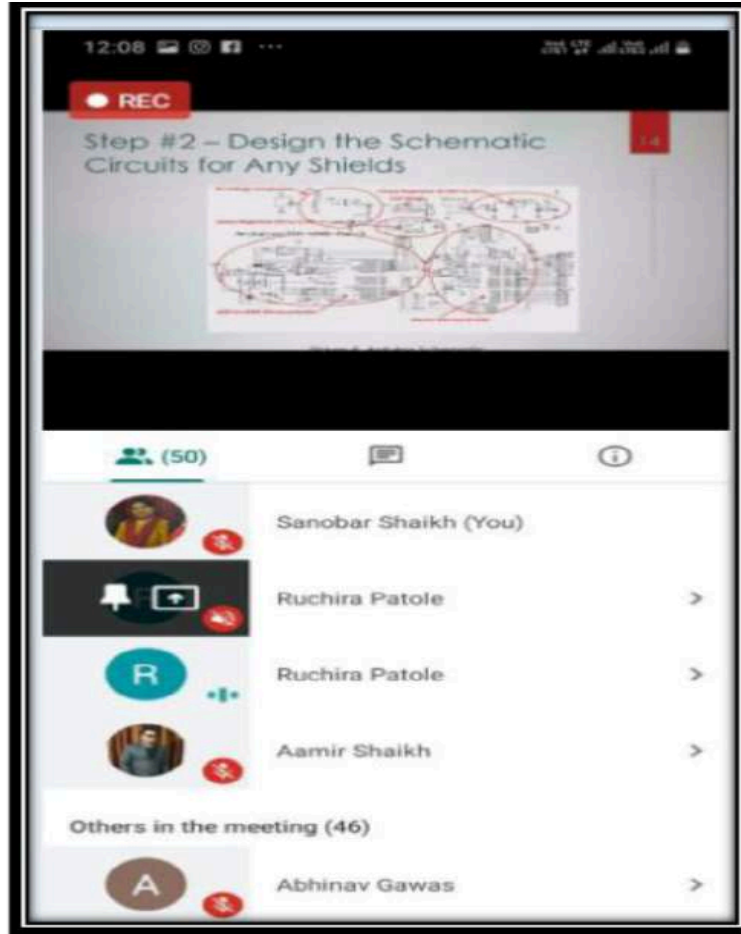
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**Explanation by Expert on Design analysis of Arduino product**

### **Webinar On “Iterative Learning Control”**

A webinar on “Iterative Learning Control” was organized through Google meet by Department of

Electrical Engineering and it was held on 22th May, 2020 at 11:00 a.m. Dr.Vinodh Kumar. E,

Associate Professor, School of Electrical Engineering, Vellore Institute of Technology, Vellore

was

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invited as the resource person. He has a vast experience in the area of control system and has published many papers in international journals. He has more than 10 years of experience in academic and research areas. Further, he is handling central government research projects in collaboration with IIT Madras. Webinar was organized by taking online registration through google

forms. 213 participants had registered for the session.

Screenshot of the webinar

The Speaker commenced the session with an introduction to feedback control system and its limitation, and also introduced the advantages and disadvantages of the feedforward control system.

He mainly focused on Iterative learning control and its importance. Further, he explained the Iterative learning control with an example of magnetic levitation. He simulated an experiment with

MATLAB to explain the application of Iterative learning control. In this webinar problems arising

During modelling the Iterative learning control was also discussed.

The session concluded with a question answer session at 12:30 p.m. An online feedback form was

sent to participants, positive feedback was received for the webinar and they suggested to organize

more sessions like the same in the future. All the participants were provided with an E certificate.



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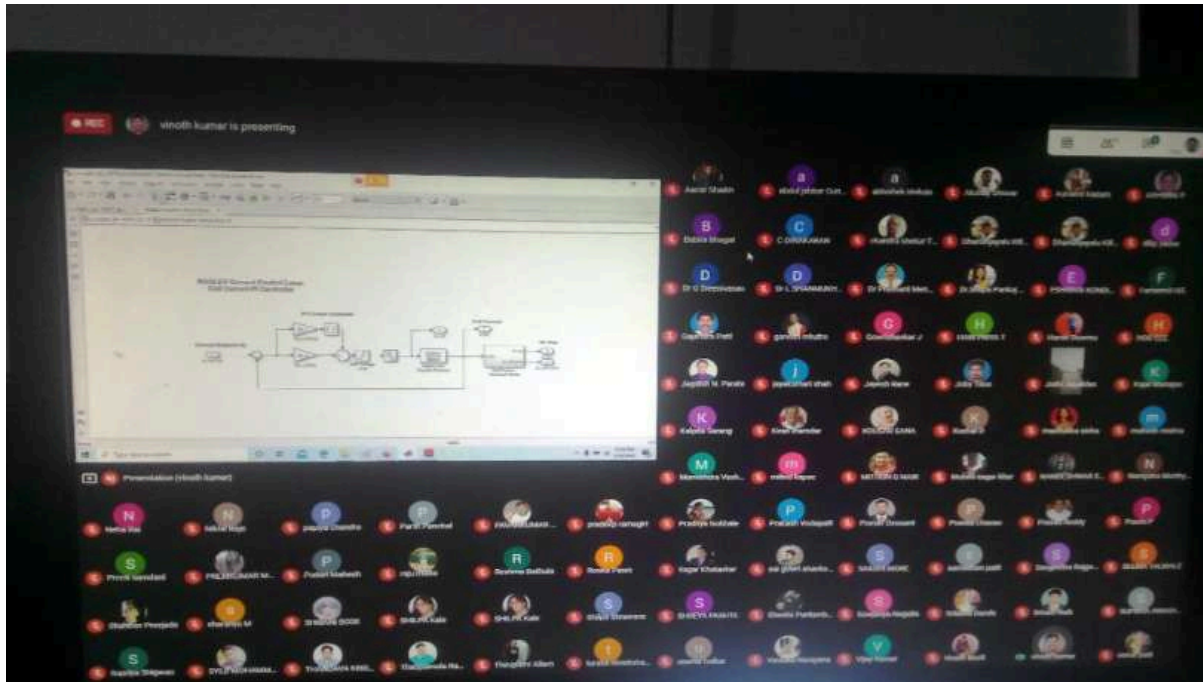
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## One Week Faculty Development Program on “Data Science”

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Department of Computer Engineering and Information Technology of Pillai HOC College of Engineering and Technology organized One Week Faculty Development Program on “Data

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Science” under the Pandit Madan Mohan Malviya National Mission for Teachers and Teaching (PMMMNMTT), Government of India in association with Shivaji University, Kolhapur. It was scheduled from 1st to 7th July, 2019. This course provides comprehensive Data Science (Rubrics) training for those who prefer to come up to speed on building Data Science capabilities. The prerequisite is the rapid pace of this class favors those who learn new concepts quickly, or have previous experience with Data Analysis along with basic knowledge of Statistics. Data Science is a blend of various tools, algorithms, and machine learning principles with the goal to discover hidden patterns from the raw data. Data Science is an interdisciplinary field, data science deals with processes and systems that are used to extract knowledge or insights from large amounts of data. Data extracted can be either structured or unstructured. Data science is a continuation of data analysis fields like data mining, statistics, predictive analysis.

### **Date & Department**

1st to 7th July, 2019 Computer Engineering and Information Technology



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**Course outcomes of FDP on Data Science are:**

- Participants will develop relevant programming abilities.
- Participants will demonstrate proficiency with statistical analysis of data.
- Participants will develop the ability to build and assess data-based models.
- Participants will execute statistical analyses with professional statistical software.
- Participants will demonstrate skill in various tools used for data science.
- Participants will apply data science concepts and methods to solve problems in real-world contexts and will communicate these solutions effectively.

The Faculty Development Program on “Data Science” started with the lighting of the lamp by dignitaries Mr. Swapnil Jawahire, Dr. Madhumita Chatterjee, Dr. Mathew Joseph, Dr. Ashok Kanthe, Dr. J. Nalavade and HODs of other departments in Conclave. Dr. Madhumita Chatterjee (Principal, PHCET) welcomed all the participants for the FDP and gave the bouquet to the Swapnil Jawahire (Consultant Trainer, Inteliment Technologies Pvt. Ltd., Pune). Dr. Mathew Joseph made familiar to the participants the Need for Data Science as companies need to use data to run and grow their everyday business thus the fundamental goal of data science helps companies make quicker and better decisions, which can take them to the top of their market. Dr.

Ashok Kanthe gave a brief description of the PMMMNMTT, Government of India initiative in association with Shivaji University, Kolhapur. Dr. J. Nalavade gave the introduction about Data

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science is a multidisciplinary field that uses scientific methods, processes, algorithms and systems to extract insights from structured and unstructured data.

**Various topics were unfolded by the eminent speakers during this FDP. Following topics were covered with the hands-on sessions:**

1. Introduction to Python
2. Machine learning using Python
3. Data Analytics using Python
4. Hands-on session on Python
5. Hands-on session on Machine Learning,
6. Data Analytics

Online examination was conducted on the last day of FDP. After that, the certificate distribution ceremony was conducted. The top three scorers of the exam Ms. Smita Dange, Mr. Saurabh Sirsikar and Ms. Pooja Shukre felicitated and appreciated by dignitaries. Dr. Ashok Kanthe, Head, Computer Engineering department gave the vote of thanks and the event was concluded.

## **GOOGLE CROWDSOURCE AND TALK ON AUTO ML**

<b>Date</b>	September 27, 2019
<b>Resource Person</b>	Mr. Vaibhav Malpani, a software developer at Xoriant, Ms. Priyanka Shahsane, Google Crowdsorce community organizer
<b>Coordinator</b>	Ms. Rajashree Gadhve
<b>Department</b>	Computer Engineering

The Pillai HOC College of Engineering and Technology held a workshop on “**GOOGLE CROWDSOURCE AND TALK ON AUTO ML**” for participants on Friday, 27 September 2019 under ACM Student Chapter.

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The workshop was formally inaugurated by Dr. Ashok Kanthe (Head of Department) of the Computer Engineering Department, principal ma'am Madhumita Chatterjee and Mathew Sir along with other faculty members. The event was started with the talk on Auto Machine Learning on Google Cloud, which was given by Mr. Vaibhav Malpani, a software developer at Xoriant. He told us about the importance and ease of auto ML along with some knowledge of Artificial intelligence.

There was a good response from the TE students; around more than 100 participants attended the workshop of different branches.

The workshop was divided into 2 sessions, in the first session after the talk on ML Ms. Priyanka Shaksane who is a Google Crowdsorce community organizer, shared and informed participants about Crowdsorce and developed an interest in participants about the Google crowdsorce community.

In the second half, Ms.Mekhala, program manager, joined us on a video call from Google head office in Bangalore and shared her experience working with Crowdsorce. This event was followed up by a 5-level quiz based on ML and AI. After the quiz competition, the top contributors of Crowdsorce and the winners of the quiz were felicitated with many Google goodies. The event was concluded by felicitating Mr. Vaibhav Malpani, Ms. Priyanka Shaksane and Crowdsorce student experts by the HOD and Rajashree Ma'am. The event was very interactive and interesting and the participants enjoyed themselves a lot at this event.

The event finally came to an end at 4:30 pm and participants were sent back with a small gift from the google crowdsorce community which included google goodies.



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*Tawad*

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## **Webinar on “Predictive Analytics Few Case Study”**

In this Pandemic situation, Pillai’s HOC College of Engineering, Department of Computer Engineering has organized various webinars for aspirants assembling with various interests in the field with a very high competitive spirit to participants and with the strong determination to include their achievements & accomplishments to their resumes. For the preceding academic year 2019-2020, Ms. Babita Bhagat & Ms. Srijita Bhattacharjee have organized a Webinar on “Predictive Analytics few case study” on 26th June, 2020. Webinar was conducted by Mr. Rajesh Kulkarni. Ms. Neetu Pillai has introduced the speaker that he has 26 years of experience in the areas of Machine Learning, Development, Data Management. He worked as Director at IGCOE Navi Mumbai. 153 students & faculty have attended this event.



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## Webinar on “E-waste Management”

**Date** June 17, 2020

**Platform** Google Meet

**Resource Person** Ms. Dhanashree Patil, Sub Regional Officer, Maharashtra Control Board, Sion

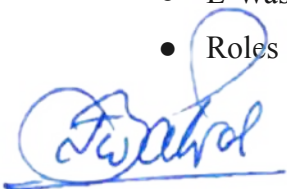
**Coordinator** Ms. Rohini Bhosale

**Department** Computer Engineering

To make the best use of the lockdown period due to the COVID 19 pandemic, Pillai HOC College of Engineering and Technology, Department of Computer Engineering organized a webinar on “**E-waste Management**” for students and faculty of PHCET on 17 June 2020. Participants were enlightened with the knowledge of resource person on e-waste management. Ms. Dhanashree Patil Education, Sub Regional Officer, Maharashtra Control Board, Sion was invited as the resource person for the webinar. She has 4 years industry experience. Currently she is working as Sub Regional Officer in Maharashtra Pollution Control Board. She works with the Electronic Waste Management division of the MPC Board. Total 55 students and faculty participated in the session.

Various topics were unfolded by the eminent speaker during the webinar. The following are some of the topics discussed in the session by the speaker:

- What is e-waste
- Sources of e-waste
- Effects of e-waste on the environment
- E-Waste Management Rules, 2016
- Roles and responsibilities of shareholders



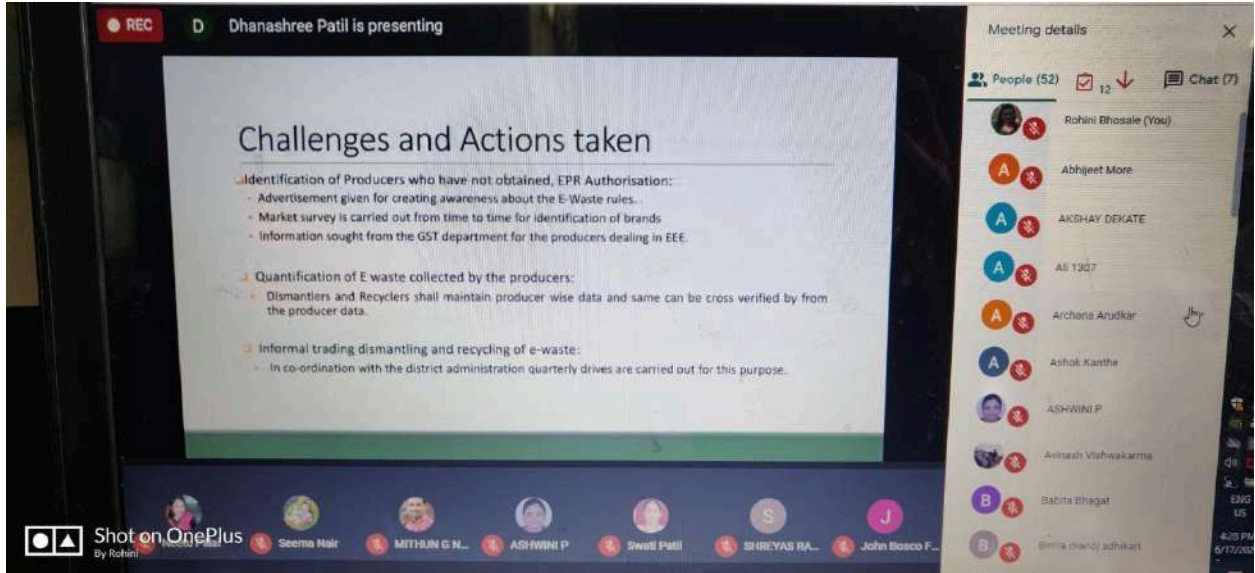
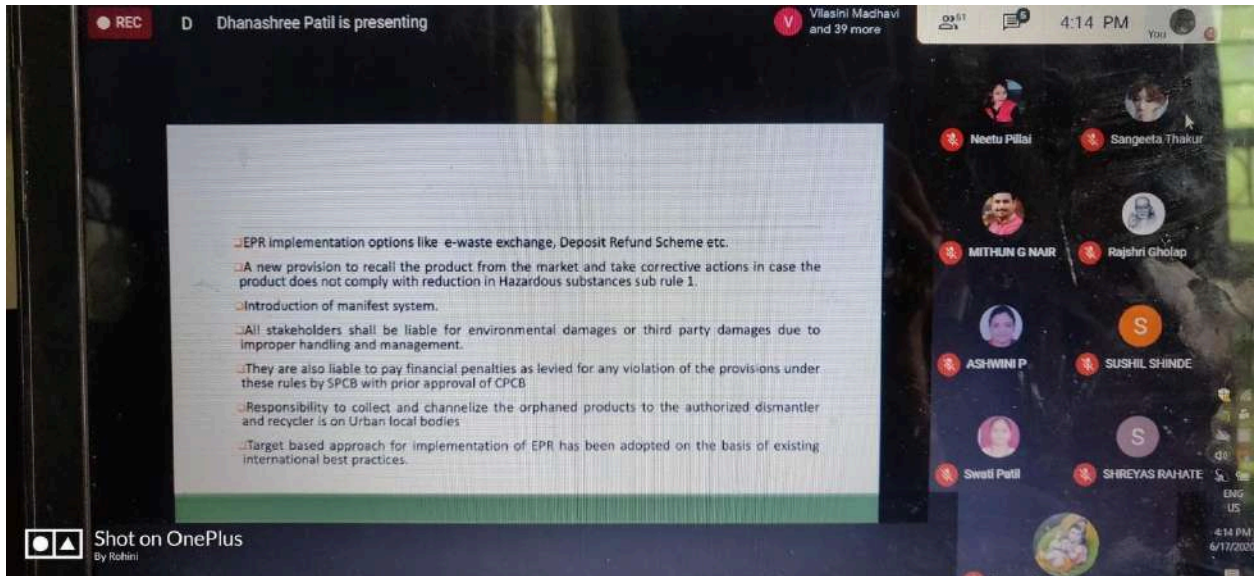
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The session ended with a vote of thanks by Dr. Ashok Kanthe, Head of Computer Engineering Department. Feedback link was sent to the participants and E-Certificate was mailed to their registered mail ids. Positive feedback was received from participants.



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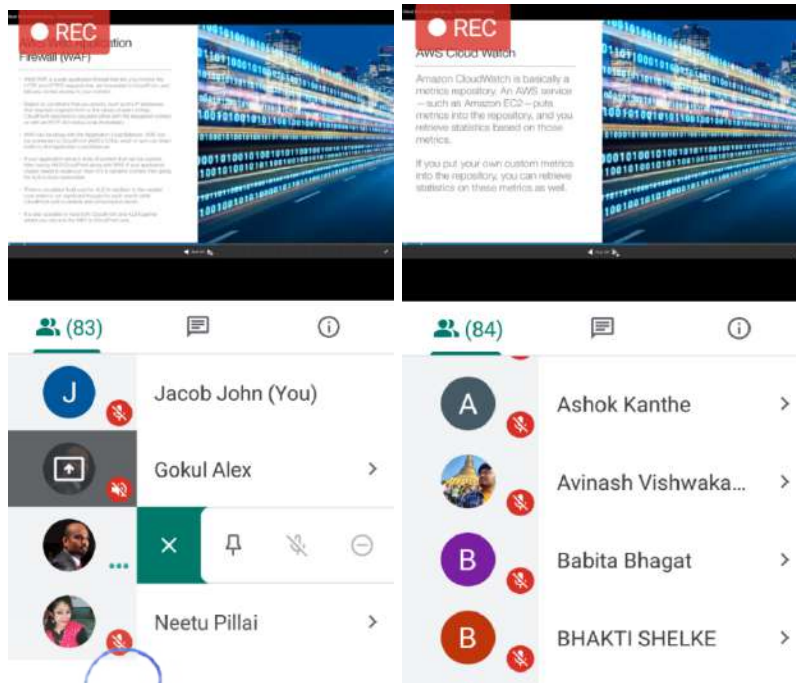
## Report of Webinar on Understanding Cloud Security and Its Importance ESSAY 2019-20

**Date** 29 June 2020 11.00-13.00

**Department** Computer Engineering

An online webinar on Understanding Cloud Security and Its Importance was conducted on 29 June 2020 11 am to 1 pm. The faculty coordinators were Mr. Jacob John and Ms. Rohini Bhosale. The event was organized by Cyber security club of Department of Computer Engineering, Pillai HOC College of Engineering and Technology in association with RedTeam Hacker Academy, Thiruvananthapuram, Kerala. RedTeam Hacker Academy is a well known cyber security training academy in Kerala. The expert speaker of the lecture was Mr. Gokul Alex. Mr Gokul Alex is an engineer, economist and keynote speaker for various technology conferences. The security aspects of the cloud infrastructure were presented well in the lecture.

There were a total of 114 participants registered for the webinar and 87 candidates attended. There was a good response from participants and good feedback received from participants.



*Jacob John*

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## One Week Faculty Development Program on “Networking –Routing and Switching Essentials”

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<b>Date</b>	May 4- May 6, 2020
<b>Department</b>	Computer Engineering
<b>Resource Person</b>	Dr. Madhumita Chatterjee Principal, PHCET
<b>Coordinator</b>	Ms. Neetu Pillai and Ms. Rohini Bhosale

Department of Computer Engineering of Pillai HOC College of Engineering and Technology organized One Week Faculty Development Program on”

Networking –Routing and Switching Essentials” FDP was organized from May 4- May 6, 2020. Total 57 faculty members from various institutions participated in the FDP. Participants were enlightened with the knowledge of resource person for the FDP Dr. Madhumita Chatterjee Principal, PHCET about the networking field. She is M.Tech and Ph.D. in Computer Science and engineering from IIT Mumbai. Her specialization is the Networking and Security and has more than 27 years of teaching experience. She has delivered several talks on Networking, Cyber Security and Digital Forensics in several colleges of Mumbai and Pune and has more than 65 papers published in this domain in reputed journals and conferences.

### FDP objectives:

- Provide the foundation of IP addressing
- Enhance knowledge of Routing and Switching
- Hand-on training on router and switch configuration
- Enhance knowledge of security in networking

### FDP outcomes:

Understand IP addressing and subnetting

Understand static and dynamic routing

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- Use routing protocol such as RIP for dynamic routing
- Build and configure a small network using Cisco packet tracer.
- Understand and apply security concepts in routing and switching

Various topics were unfolded by the eminent speaker during this FDP. The following topics were covered with the hands-on sessions using Cisco Packet Tracer as a tool.

1. IP addressing-IPV4 addressing and subnetting
2. Introduction to Packet Tracer
3. Configuring Routers and Switches
4. Building a network topology and configuring the entire network
5. Static and dynamic routing
6. Setting up a static IPv4 route
7. Setting up dynamic RIP v2 routes
8. Tracing the network connectivity after setting up routing protocols

On the last day of FDP vote on thanks was given by Dr. Ashok Kanthe Head of Computer Engineering and certificate of completion was awarded to all the participants.



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Accredited with an 'W' grade by NAAC in the First Cycle, 2019  
Reaccredited by NBA for Computer and Mechanical Engineering, 2020  
Winner of the First Position for Workplace Safety Awards, 2019  
Winner of Indian Merchant Chamber's Pankajrao Bajaj National Quality Performance  
Excellence Trophy - 2019



**Faculty Development Program  
on  
"Networking -Routing and  
Switching Essentials"**

4<sup>th</sup> May - 6<sup>th</sup> May 2020



Organized by

**Department of Computer  
Engineering**

Mahatma Education Society's  
Pillai HOC College of Engineering  
& Technology,  
Rasayani Dist: Raigad

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Dr. Madhumita Chatterjee, Principal, PHCET

**RESOURCE PERSON**

Dr. Madhumita Chatterjee  
Principal, PHCET

**CONVENER**

Dr. Ashok Kanthe  
Head of Computer Engineering Dept.  
PHCET  
ashokkanthe@mes.ac.in

**COORDINATORS**

1. Neetu Pillai (neetuvengopal@mes.ac.in)  
2. Rohini Bhosale (rbhosale@mes.ac.in)

**REGISTRATION DETAILS**

1. Registration and participation is Free of cost.
2. Participants must register online through the following link before 2<sup>nd</sup> May.  
<https://forms.gle/ps1mVahUoAvsK66J6>

**SESSION TIMING**

2.00 pm -5:00 pm

**ABOUT FDP**

The FDP will give a hands on coverage of switching and routing essentials using Cisco Packet Tracer as a tool. Learner is expected to be familiar with the basics of networking.

The FDP will consist of following topics:

1. Recap of IPV4 addressing and subnetting
2. Introduction to Packet Tracer
3. Configuring Routers and Switches
4. Building a network topology and configuring the entire network
5. Static and dynamic routing
6. Setting up a static IPV4 route
7. Setting up dynamic RIP v2 routes
8. Tracing the network connectivity after setting up routing protocols
9. Configuring VLANs

**Prerequisite:** All participant must install Cisco Packet Tracer software in their system.

**ABOUT PHCET**

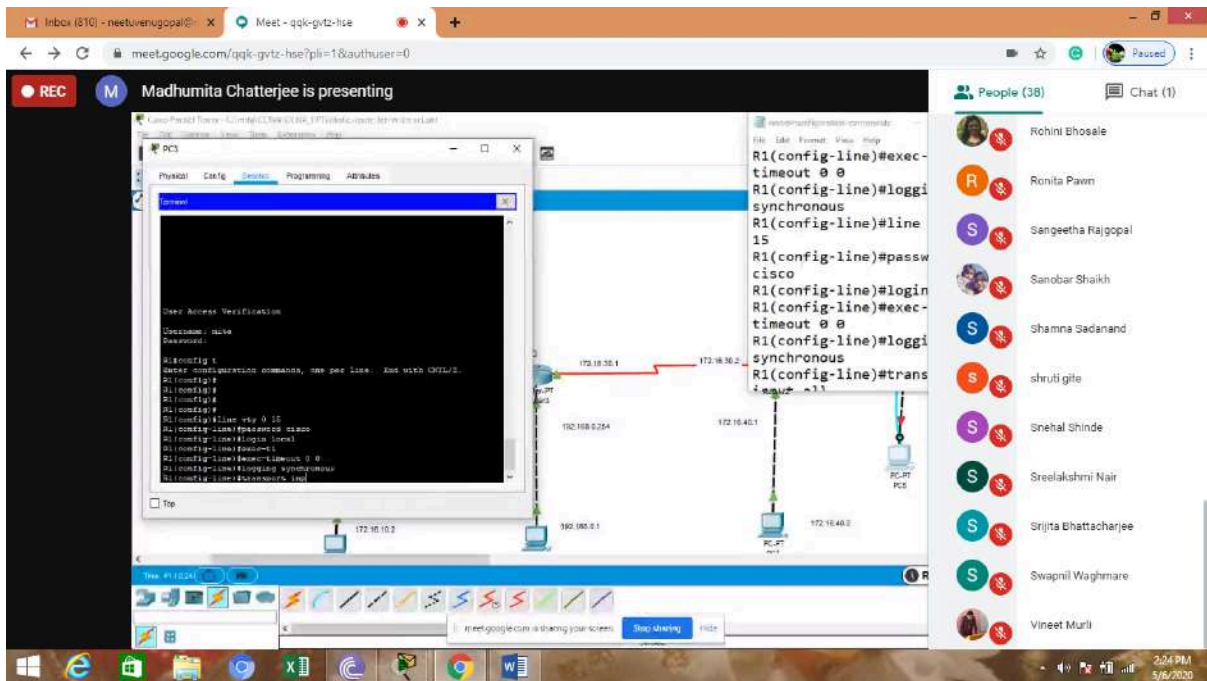
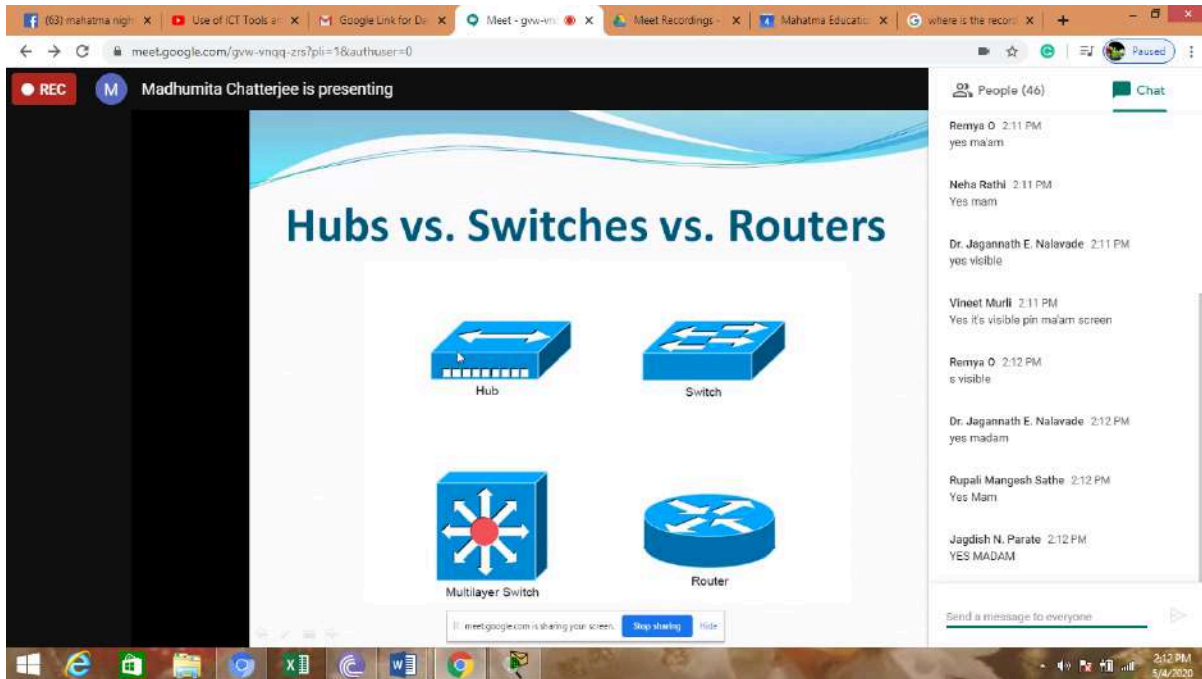
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- Automobile Engineering (UG)
- Civil Engineering (UG , PG )
- Computer Engineering (UG , PG )
- Electronics & Telecommunication (UG , PG )
- Electrical Engineering (UG)
- Information Technology (UG)
- Mechanical Engineering (UG &PG)
- Ph.D. in Civil & Computer Engineering

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 Dist. Raigad, Pin-410 207

Meeting ID: qkq-gvzt-hse

Madhumita Chatterjee is presenting

Configuration window details:

- Interface: FastEthernet
- IP Configuration:
  - Dynamic: DHCP
  - Static:
    - IP Address: 10.0.0.1
    - Subnet Mask: 255.255.0.0
    - Default Gateway: 10.0.0.0
    - DNS Server: 8.8.8.8
- Pv6 Configuration:
  - Dynamic: DHCP
  - Static:
    - Pv6 Address: [Empty]
    - Link Local Address: FE80::BFF:FE00:5000
    - Pv6 Gateway: [Empty]
    - Pv6 DNS Server: [Empty]
- IPv6:
  - IPv6 TX: [Checked]
  - IPv6 TX Security: [Unchecked]
  - Traffic: [Unchecked]

3:05 PM 5/6/2020

Meeting ID: uhi-ybxo-npn

Madhumita Chatterjee is presenting

Network Topology:

- Router 1 (Left): IP 10.0.0.0/24
- Router 2 (Right): IP 192.168.0.0/24
- Switch 1 (Left): IP 172.16.1.0/24
- Switch 2 (Right): IP 172.16.1.0/24
- PCs: Four PCs are connected to the switches.

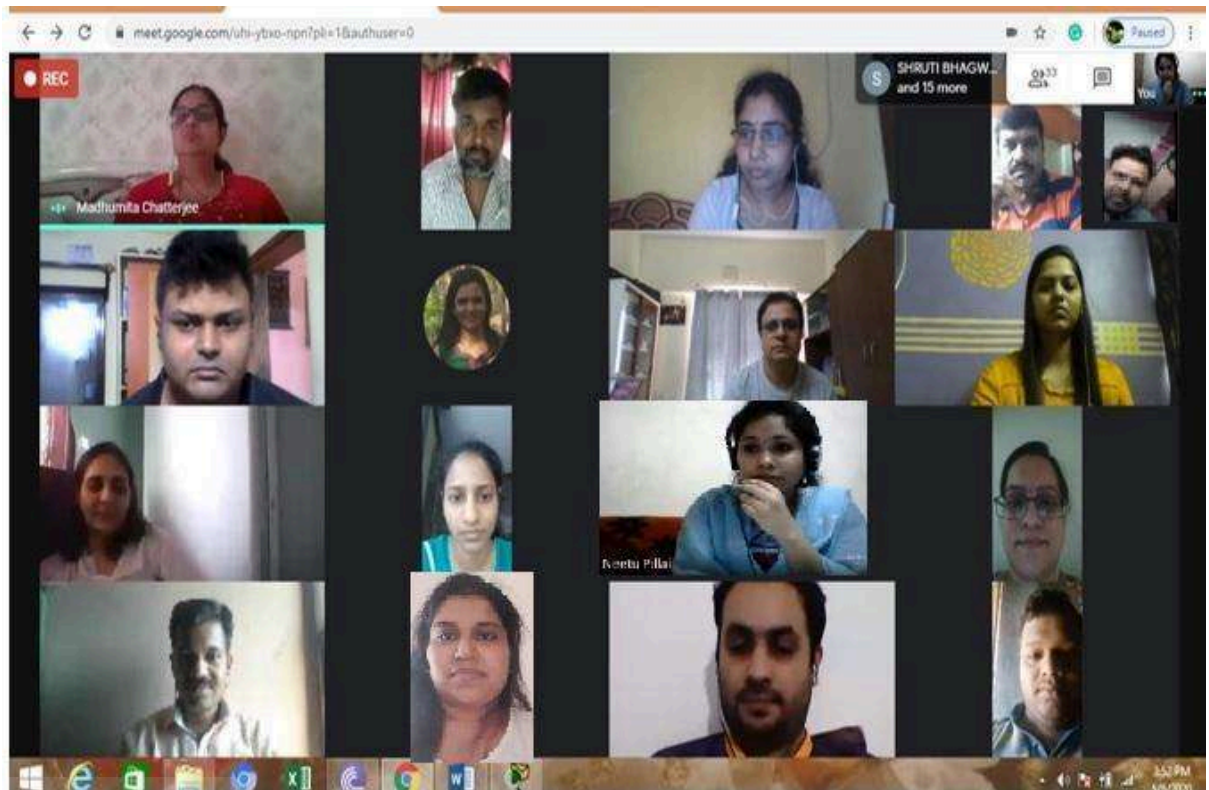
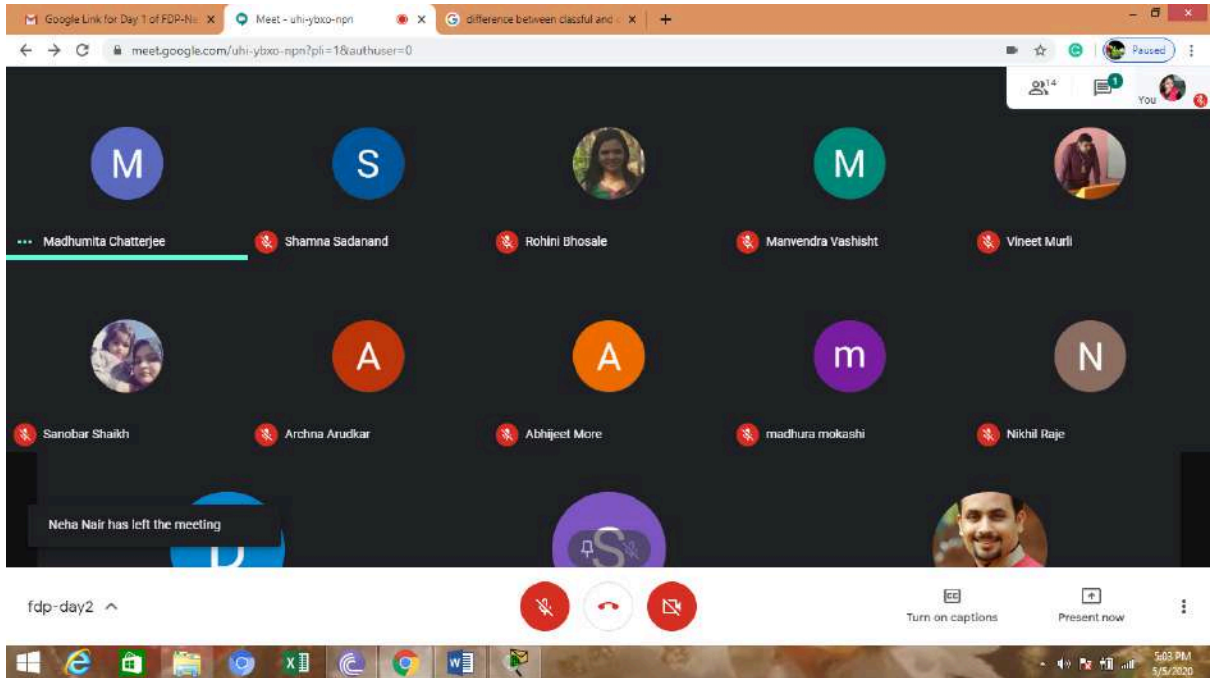
15:14 05-03-2020

*Signature*

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*Swarna*

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## **One Week Faculty Development Program on “ Python”**

Department of Computer Engineering of Pillai HOC College of Engineering and Technology organized a One Week Faculty Development Program on” Python “in association with IIT Spoken Tutorial. IIT Spoken Tutorial is a multi-award-winning educational content portal. Spoken tutorial is an initiative of National Mission on Education through ICT, MHRD. FDP was organized from April 21st to April 25th, 2020. Total 97 faculty members from various institutions participated in the FDP. This course provided comprehensive Python training for those who prefer to come up to speed on building Python capabilities. Python is a general-purpose and high-level programming language. You can use Python for developing desktop GUI applications, websites and web applications. Also, Python, as a high-level programming language, allows you to focus on core functionality of the application by taking care of common programming tasks.

<b>Date</b>	21st to 25th April, 2020
<b>Department</b>	Computer Engineering
<b>Coordinator</b>	Ms. Pooja Pemare,IIT Spoken tutorial



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**About Mahatma Education Society**

Mahatma Education Society was established in the year 1970 by a group of teachers with the aim of spreading education for all. The society today has 48 institutions from pre primary to post-graduation to research with over 35,000 students and over 2,500 teachers. The society manages several schools imparting instruction in S.S.C., C.B.S. E., I.G.C.S.E. and I.B. programs, Junior Colleges, Degree Colleges, Etoragengineering Colleges, Management Institutions, Polytechnics and Teacher education programs at different locations in Mumbai, Navi Mumbai and Raasayani (Raigad District). Most of the colleges are reaccredited 'A' Grade by NAAC and also accredited by NBA and other Government bodies.

**About PHCET**

Mahatma Education Society's Pillai HOC College of Engineering & Technology, Raasayani was established in 2009 and is affiliated to University of Mumbai and recognized by AICTE & DTE. In less than 4 years of span PHCET is recognized as one of the premier institutions delivering professional courses in Engineering & Technology at Undergraduate as well as at Post Graduate level. Currently PHCET offers following courses-

- ☑ Automobile Engineering (UG)
- ☑ Civil Engineering (UG & PG)
- ☑ Computer Engineering (UG & PG)
- ☑ Electronics & Telecommunication (UG & PG)
- ☑ Electrical Engineering (UG)
- ☑ Information Technology (UG)
- ☑ Mechanical Engineering (UG & PG)
- ☑ Ph.D. in Civil & Computer Engineering

**About Computer Department**

Computer Engineering provides the opportunity to work in the continuously changing technology sector. With the development of faster hardware components, new communication systems and software there is a demand for computer Engineers. Computer Engineering students study the design of digital hardware and software systems. Computer Engineering encompasses a wide range of topics including operating systems, computer architecture, computer networks, robotics, artificial intelligence and computer-aided design. An important area within computing engineering is the development of embedded system devices such as cell phones, digital audio players, digital video recorders, alarm systems, x-ray machines and laser surgical tools, all require integration of hardware and embedded software and are all the result of computer engineering. Software engineering companies, telecommunications firms, designers of digital hardware and many other business enterprises hire Computer Engineers right out of college and pay them well.

**About IIT Spoken Tutorial**

Spoken Tutorial is a multi-award winning educational content portal. Spoken Tutorial is an initiative of National Mission on Education through ICT, MHRD, Govt. of India to promote literacy through open source software.

**About Faculty Development Program**

Faculty Development programs strengthen the professional development of the faculty members and administrators who deal directly with students. Our goal is to help these educators increase the effectiveness of their teaching, especially in undergraduate programs, so that they are better able to guide students on journeys of inquiry and discovery.

**Eligibility**

1. Faculties from any University, Faculty of engineering, management institutions at Degree /Diploma levels, are eligible to participate. All the Participants are required to fill up online registration form before the deadlines.
2. Registration is FREE for all participants

**Important Note:**

The Spoken Tutorial Project team conducts workshop on Python using spoken tutorials and gives certificate to those who pass the online test. (Passing criteria 40% and above)

*" In learning you will teach, and in teaching you will learn."*

### Course objectives of FDP on Python:

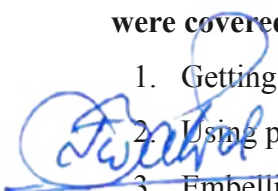
- To acquire programming skills in core Python.
- To acquire Object Oriented Skills in Python.
- To develop the skill of designing Graphical user Interfaces in Python.
- To develop the ability to write database applications in Python.

### Course outcomes of FDP on Python:

- Design real life situational problems and think creatively about solutions to them.
- Apply a solution clearly and accurately in a program using Python.
- Apply the best features of mathematics, engineering and natural sciences to program real life problems

**Various topics were unfolded by the eminent speakers during this FDP. Following topics were covered with the hands-on sessions:**

1. Getting started with IPython
2. Using plot command interactively
3. Embellishing a plot

  
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4. Saving plots
5. Multiple plots
6. Subplots
7. Additional features of IPython
8. Loading Data from Files
9. Plotting Data
10. Other Types of Plots
11. Plotting Charts

Online examination was conducted from April 27 to April 29, 2020. Successful participants were awarded with certificates from the IIT spoken tutorial.



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Challenges, Opportunities and Possible effects caused due to COVID- 19 in Process equipment Industries, 4/05/2020 - 5/05/2020



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Pillai HOC College of Engineering, Rasayani



**Two Days Program on Challenges, Opportunity & Possible effects caused due to covid-19 in process equipment industry**

Event Date: 4<sup>th</sup> & 5<sup>th</sup> May 2020

Department: Mechanical Department

Type: Webinar

Theme: Industry Interaction

Organizers: Dr. G.V.Patil & Mr. K.S.Anish

Speakers:

- 1) Mr. Manish Gulalkari, Director, Valor Systems & President ISHRAE Thane Chapter
- 2) Mr.Rajan Gaonkar, Director and Co-founder, Global – The Skill education app, President elect ISHRAE
- 3) Dr. Kalyana Sundaram Professor, Mechanical Engineering Department, PHCET, Rasayni
- 4) Dr. M.D. Nadar, Professor, Mechanical Engineering Department, PHCET, Rasayni
- 5) Dr. Gajendra Patil, Professor and Head, Mechanical Engineering Department, PHCET, Rasayni

No of Faculty Participated: 113

Expenditure: Nil

Description: The webinar speakers elaborated their experience in a process industry and also elaborated the effect caused by Covid-19 on process Industries. Their study on various types of process industries was also elaborated. Both positive and negative impacts were discussed. It mainly covered following topics:

1. Challenges in process industries due to Covid-19.
2. Opportunities in process industries due to Covid-19.
3. Other effects caused in process industries due to Covid-19.

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Pictures with proper caption:



Fig 1. Mr. Manish Gulalkari addressing the webinar

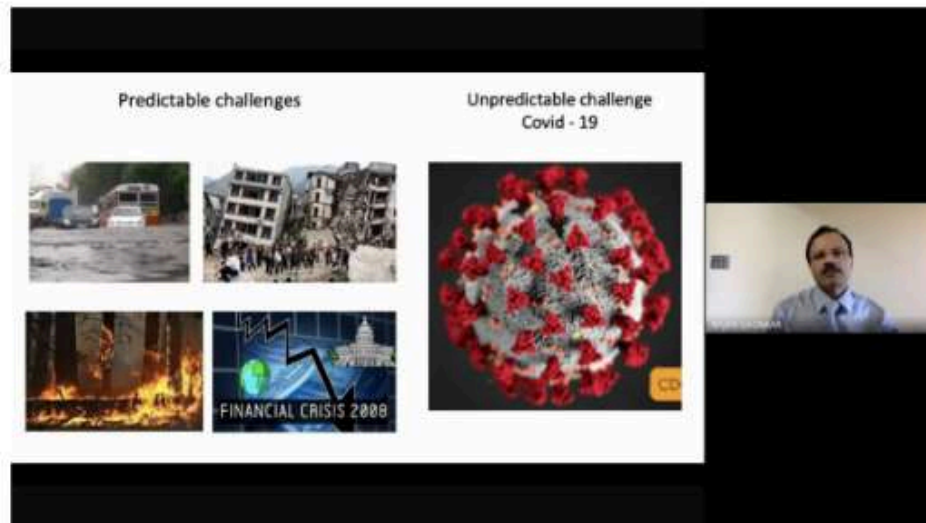


Fig 2. Mr. Rajan Gaonkar addressing the webinar

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Fig 3. Dr.M.D.Nadar addressing the webinar

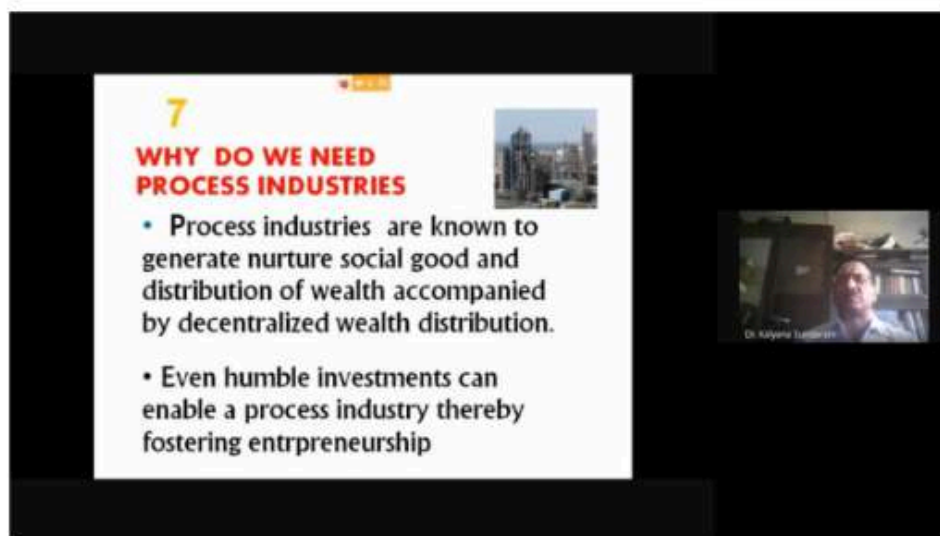


Fig 4. Dr.Kalyana Sundaram addressing the webinar

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Fig 5. Dr.Gajendra Patil addressing the webinar

Event Brochure/Flyer:

<b>Advisory Committee</b> <ul style="list-style-type: none"><li>Dr. Prasad Pillai Chief Operating Officer, MES &amp; Member Management Board</li><li>Dr. Lata Menon Deputy Chief Executive Officer, PHCET, Rasayani</li><li>Dr. Madhura Chatterjee Principal, PHCET, Rasayani</li><li>Dr. T. J. Mathew Professor, Dept. of Computer Engg., PHCET, Rasayani</li><li>Dr. R. C. Prasad Professor, Dept. of Mechanical Engg., PHCET, Rasayani</li></ul>	<b>About</b> <p>PHCET: Pillai HOC College of Engineering and Technology (PHCET) is affiliated to University of Mumbai, approved by AICTE, DTE and Reaccredited by National Board of Accreditation (NBA) for Computer and Mechanical Engineering also accredited with 'A' Grade by the National Assessment &amp; Accreditation Council (NAAC) of India. PHCET is winner of the first position for Work Safety Award and Indian Merchandise Chamber's Ramkrishna Bajaj National Quality Performance Trophy-2019.</p>	<b>2 Day Online FDP On</b> <b>"Challenges, Opportunities and Possible effects caused due to COVID- 19 in Process equipment Industries"</b> on <b>4<sup>th</sup> and 5<sup>th</sup> May 2020</b> <b>Organised by</b> Department of Mechanical Engineering Pillai HOC College of Engineering and Technology (PHCET), Khalapur, HOC Colony Rd, Taluka, Rasayani, Maharashtra 410207
<b>Workshop Content</b> <ul style="list-style-type: none"><li>Understanding the possible effects on the business due to the current economic crisis caused by Covid19</li><li>Reassessing on likely scenarios post Covid19 &amp; exploring solutions.</li><li>World class manufacturing and Automation in HOC industry</li><li>Damage assessment of process equipment tubes</li><li>Opportunities in Process equipment and review of trends</li></ul>	<b>Experts</b> <ul style="list-style-type: none"><li>Mr. Manish Gadhikari Director, Value vision, Thane President, ISHRAE, Thane Chapter</li><li>Mr. Rajan Gaonkar Director and Co-founder, Global - The Skill education app</li><li>Dr. Gajendra Patil Professor and Head, Mechanical Engg. Dept., PHCET, Rasayani</li><li>Dr. M.D. Nadar Professor, Mechanical Engg. Dept., PHCET, Rasayani</li><li>Dr. Kalyana Sundar am, Professor, Mechanical Engg. Dept., PHCET, Rasayani</li></ul>	 <b>No Course Fee</b> Contact: Dr. Gajendra Patil Professor and Head, Mechanical Engg. Dept., PHCET, Rasayani 9224281153 <a href="https://forms.gle/1u9BwWz91t1110D77">https://forms.gle/1u9BwWz91t1110D77</a> <b>Get yourself registered using the link given above.</b>

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FDP Schedule:

Online FDP Schedule			
"Challenges, Opportunities and Possible effects caused due to COVID- 19 in Process equipment Industries"			
Day 1 : 4 th May 2020			
Sr. No.	Time	Details	Expert
1	10.00 AM to 10.15 AM	Welcome & Formal Inauguration	Welcome address by Principal, PHCET
2	10.15 AM to 12.15 PM	World class manufacturing and Automation in HVAC industry including Question and Answer	Mr. Manish Gulalkari, Director Valor Systems, President, ISHRAE Thane chapter
Lunch Break			
3	1.00 PM to 3.00 PM	Understanding the possible effects on the business due to the current economic crisis caused by Covid-19	Mr. Rajan Gaonkar Director and Co-founder, Globalskill - The Skill education app, President elect ISHRAE Thane chapter
Day 2: 5th May 2020			
Sr. no.	Time	Details	Expert
1	10.00 AM to 11.00 AM	Opportunities in Process equipment and review of trends	Dr. Kalyana Sundaram Professor, Mechanical Engg. Dept. , PHCET, Rasayni
2	11.00 AM to 12.00 NOON	Project Implementation in HVAC industry	Dr. M.D. Nadar Professor, Mechanical Engg. Dept. , PHCET, Rasayni
Lunch Break			
3	1.00 PM to 2.45 PM	Damage assessment of process equipment tubes	Dr. Gajendra Patil Professor and Head, Mechanical Engg. Dept. PHCET, Rasayni
4	2.45 PM to 3.00 PM	Concluding Session	Vote of Thanks by Mr. Anish, Asst. Professor, PHCET, Rasayni

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## Meditation for peaceful life, 3/06/2020

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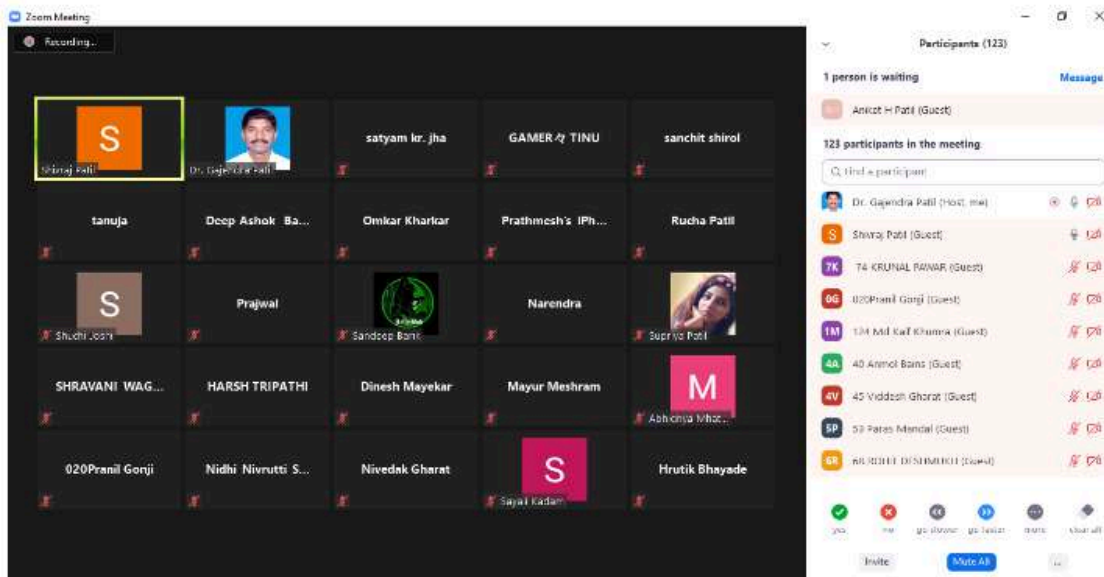
Topic : Meditation for peaceful life

Date: 3rd June, 2020 at 11:00 am

Number of Participants : 123

Speaker :

1. Dr. Lalitha Dhareshwar, Retd. BARC Scientist and Heartfulness meditation trainer
2. Dr. Jayant Dhareshwar, Heartfulness meditation trainer
3. Dr. Gajendra V. Patil, Profesor, Pillai HOC college of Engineering and Technology



Application Programming Interface (API) using Autodesk fusion 360 Software

226-08-2019 - 27-08-2019

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## Application Programming Interface (API) using Autodesk Fusion 360 Software

Event Date : 26<sup>th</sup> and 27<sup>th</sup> 2019

Organising Institutes : PCE & PHCET

Venue : PCE, Panvel

Theme : to cover various aspects of CAD/CAM/CAE and its application

Course Co-Ordinators : Dr. G. V. Patil of PHCET

&

Dr. Richa Agrawal of PCE

Speakers:

- 1) Dr. Ramesh Pudale - MFG Account Manager - Autodesk India Pvt. Ltd.
- 2) Mr. Rishikesh Sawant - Team Leader - Milestone Institute of Technology
- 3) Mr. Amit Gunjal - Director - Milestone Institute of Technology

Description: With reference to the new syllabus of CAD/CAM/CAE for SEM VII under the CBCGS scheme, the workshop will help the participants to understand the basic concepts of API. API is new area and a concept which needs to be explored by the faculty for better understanding of the subject. The hands on training session planned will guide the participants for conducting practicals for the course.

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**Course Content:**

- Future of Making Things
- Application Programming Interface
- 3D Part Design
- CAM (Digital Manufacturing)
- Assemblies & Joints
- Render, animation and drawing
- Simulation
- Design optimization
- Shape optimization
- Hands-on Training
- Live Demo

Flyer for the event :

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About the Course	About	<p>Two Days Workshop on</p> <p><b>Application Programming Interface (API) using Autodesk Fusion 360 Software</b></p>  <p>at</p> <p><b>Pillai College of engineering, New Panvel</b></p> <p>on</p> <p><b>26<sup>th</sup> and 27<sup>th</sup> August 2019</b></p>
<p>The workshop is intended to cover various aspects of CAD/CAM/CAE and its application. With reference to the new syllabus of CAD/CAM/CAE for SEM VII under the CBCGS scheme, the workshop will help the participants to understand the basic concepts of API. API is new area and a concept which needs to be explored by the faculty for better understanding of the subject. The hands on training session planned will guide the participants for conducting practicals for the course.</p> <p><b>Course Content:</b></p> <ul style="list-style-type: none"> <li>❑ Future of Making Things</li> <li>❑ Application Programming Interface</li> <li>❑ 3D Part Design</li> <li>❑ CAM (Digital Manufacturing)</li> <li>❑ Assemblies &amp; Joints</li> <li>❑ Render, animation and drawing</li> <li>❑ Simulation</li> <li>❑ Design optimization</li> <li>❑ Shape optimization</li> <li>❑ Hands-on Training</li> <li>❑ Live Demo</li> </ul> 	<p>Pillai College of Engineering established in 1999 is a flagship institute of Mahatma Education Society (MES), under the patronage of Dr. K. M. Vasudevan Pillai, which began its endeavor of Education for all with the Chembur English School in 1970.</p> <p>PCE has always sought to develop in its students a sound technical foundation while encouraging their natural talent &amp; believes that true success of engineering is in completing theory with practice. PCE is affiliated to University of Mumbai, approved by All India Council for Technical Education (AICTE) and accredited by National Board of Accreditation (NBA). It offers 5 postgraduate programs and has received a research center status from the University of Mumbai for the department of Mechanical Engineering, Computer Engineering and Information technology. PCE is also a member of Indo US Collaborative for Engineering Education (IUCEE) consortium.</p> <p>Pillai HOC College of Engineering and Technology (PHCET) established in 2009 at Rasayani, on a 14 acre of lush green campus with more than 3,00,000 sq. ft of built up area comprising of spacious classrooms, well-equipped laboratories and workshops, new age computer facilities and a well-stocked library which provide a stimulating educational environment within the college.</p> <p>PHCET is affiliated to University of Mumbai, approved by All India Council for Technical Education (AICTE). PHCET is accredited with an 'A' grade by NAAC in First Cycle and accredited by National Board of Accreditation (NBA).</p> <p><b>Website</b> PCE: <a href="https://www.pce.ac.in/">https://www.pce.ac.in/</a> PHCET: <a href="http://www.phcet.ac.in/">http://www.phcet.ac.in/</a></p>	



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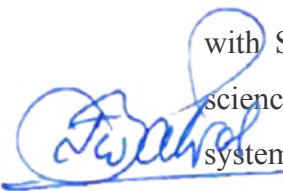
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## Report on One Week Faculty Development program on Data Science

Pillai HOC College of Engineering and Technology, Rasayani organized One Week Faculty Development program on Data Science by the department of Computer Engineering and Information Technology, under the Pandit Madan Mohan Malviya National Mission for Teachers and Teaching (PMMMNTT), Government of India in association with Shivaji University, Kolhapur. This course provides comprehensive Data Science (Rubrics) training for those who prefer to come up to speed on building Data Science capabilities. The prerequisite is the rapid pace of this class favors those who learn new concepts quickly, or have previous experience with Data Analysis along with basic knowledge of Statistics. Data Science is a blend of various tools, algorithms, and machine learning principles with the goal to discover hidden patterns from the raw data. Data Science is an interdisciplinary field, data science deals with processes and systems that are used to extract knowledge or insights from large amounts of data. Data extracted can be either structured or unstructured. Data science is a continuation of data analysis fields like data mining, statistics, predictive analysis.

The faculty development program on Data Science started with the lighting of lamp by dignitaries Mr. Swapnil Jawahire, Dr. Madhumita Chatterjee, Dr. Mathew Joseph, Dr. Ashok Kanthe, Dr. J. Nalavade and HODs of other departments in Conclave 1. Dr. Madhumita Chatterjee (Principal, PHCET) welcomed all the participants for the FDP and gave the bouquet to the Swapnil Jawahire (Consultant Trainer, Inteliment technologies Pvt. Ltd., Pune). Dr. Mathew Joseph made familiar to the participants the need of Data Science as companies need to use data to run and grow their everyday business thus the fundamental goal of data science help companies make quicker and better decisions, which can take them to the top of their market. Dr. Ashok Kanthe gave a brief description about the PMMMNTT, Government of India initiative in association with Shivaji University, Kolhapur. Dr. J. Nalavade gave the introduction about Data science is a multidisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data. A vast



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field, data science uses a lot of theories and techniques that are a part of other fields like information science, mathematics, statistics and computer science. Some of the methods used in data science include probability models, machine learning, signal processing, data mining, statistical learning, database, data engineering, visualization, pattern recognition and learning, uncertainty modeling, computer programming among others. FDP covered fundamental and intermediate Data Science (Rubrics) topics. This course provides comprehensive Data Science (Rubrics) training for those who prefer to come up to speed on building Data Science capabilities. The prerequisite was the rapid pace of this class favors those who learn new concepts quickly, or have previous experience with Data Analysis along with basic knowledge of Statistics.



**FDP on Data Science started with the lighting of lamp by dignitaries**

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**Dr. Madhumita Chatterjee gave the bouquet to the trainer**



*Dr. Madhumita Chatterjee*

**Dr. Madhumita Chatterjee welcomed all the participants for the FDP**

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**Dr. Mathew Joseph addressing the participants about need of Data Science**



**Dr. Ashok Kanthe introducing the audience about PMMMNMTT**

*Ashok Kanthe*

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Dr. J. Nalavade introducing the audience about Data science



*J. Nalavade*

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## FDP Organizing Committee along with Trainer and dignitaries



## FDP Participants along with Dignitaries

Course outcomes of FDP in Data Science are:

- Participants will develop relevant programming abilities.
- Participants will demonstrate proficiency with statistical analysis of data.
- Participants will develop the ability to build and assess data-based models.
- Participants will execute statistical analyses with professional statistical software.
- Participants will demonstrate skill in various tools used for data science.
- Participants will apply data science concepts and methods to solve problems in real-world contexts and will communicate these solutions effectively.

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The detailed day wise coverage of FDP contents are as follows:

- **Day 1**

Introduction to Data Science, Statistical Concepts and Analysis, Introduction to Machine Learning, Introduction to Business Analytics (BI) unites data, technology, analytics, and human knowledge to optimize business decisions and ultimately drive an enterprise's success, Components of BI-Database, Data Warehouse, Data Mart, Report, Dashboard, Transactional and Analytical Processing, Application Areas, Market Basket Analysis, Future of BI, Data Overtime, Data Storage, Data Science Pipeline, Use Cases and Examples, Data Mining, Data Science Parts of Data Science, Application of Data Science, Roles of Data Science, Steps of Data Science, Machine Learning Techniques, Statistical Concepts and Analysis, Application of Statistics, What is Statistics, Types of Statistics, Level of Measurement, Data Types, Graphical Representation and Analysis, Example, Measure of Central Tendency, Measure of Dispersion of Variation, Measure of Position Covariance and Correlation Population and Sample Hypothesis, Steps of Hypothesis.



Mr. Swapnil Jawahire introduction the participants about Business Analytics

*Swapnil*

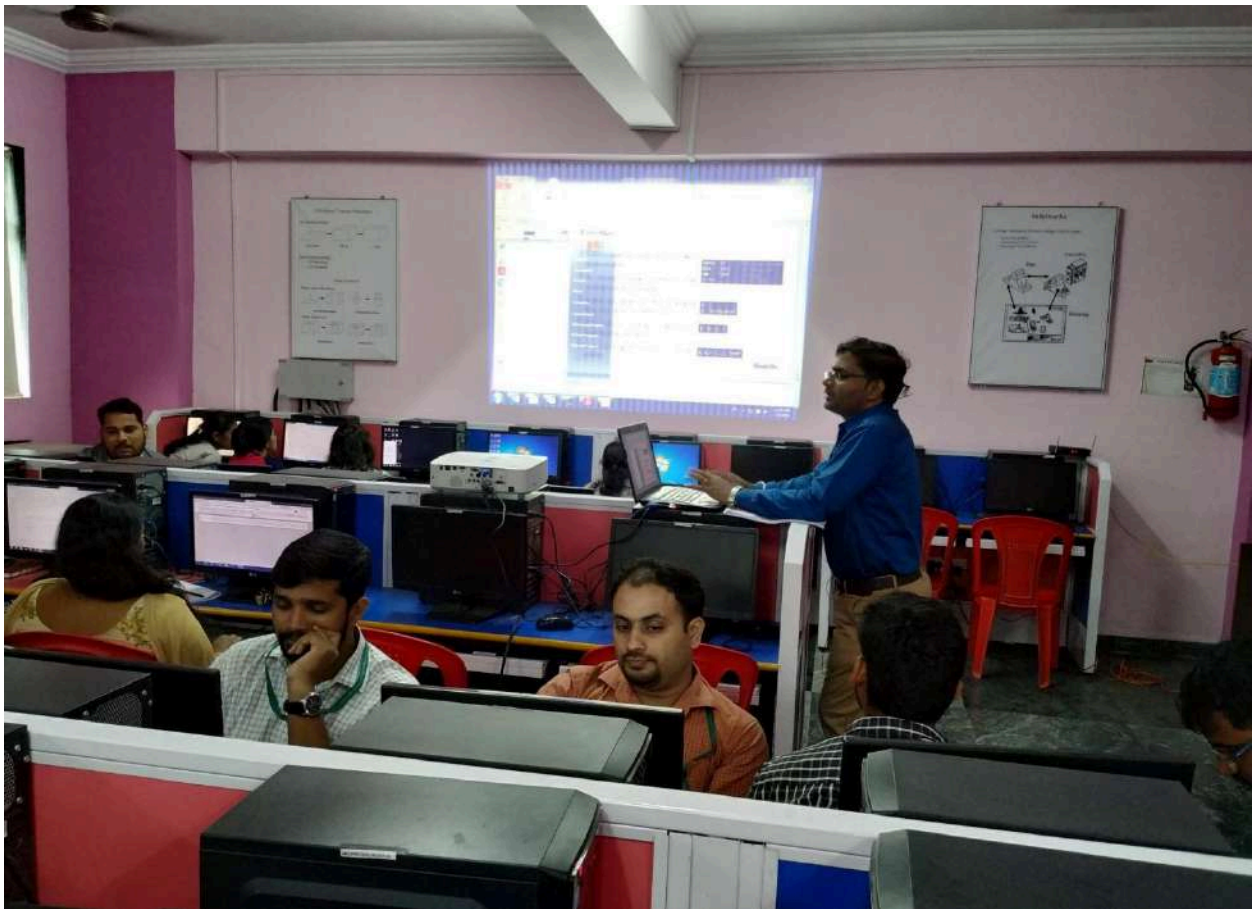
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- **Day 2**

Introduction to Python, Hands on Session using Python-Exploring data sets for analysis, working with loops, metrics, data submission etc. Python is a high-level programming language, History of Python, Python & its feature ie. portable, extendable, scalable, interactive mode of testing and debugging, library cross-platform, Python Setup and execution, Python data types, Python Control Structures, Python functions, Python File Handling, Python Exception Handling, Python Modules, Python Examples.



**Mr. Swapnil Jawahire taking hands on Session using Python**

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- **Day 3**

Machine Learning using Python, Hands on Session for Machine Learning using Python, Building Data-Frames, merging data-frames and visualization with data-frames, recap of Machine Learning and hands on Classification Algorithms, overview of exploratory data analysis, Data Preprocessing, Reasons for Doing Exploratory Data Analysis (EDA), Features Identification, Data Munging, Normal Distribution, Skewness and Kurtosis, Histogram, Box Plot, Scatter Plot, Python Libraries, Classification, Regression, Clustering, Hands on: Numpy with Jupyter, Pandas DataFrame, Overview of Python Libraries for Data Scientists, What is Data frame, Reading Data, Selecting and Filtering the Data, Data manipulation, sorting, grouping, rearranging, Plotting the data, Descriptive statistics.



**Mr. Swapnil Jawahire taking hands on Session on Plotting**

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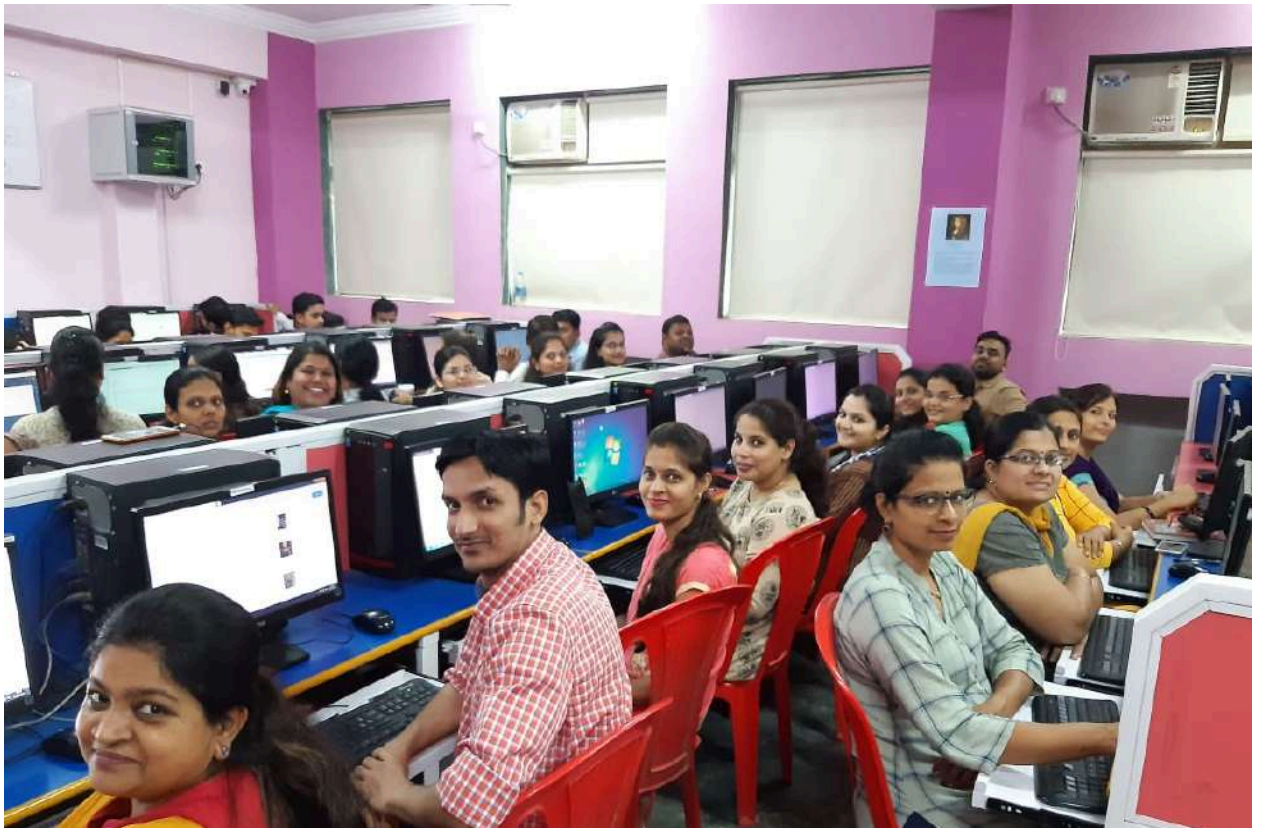
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- **Day 4**

Regression Analysis, K-Means Clustering, Concept of Overfitting and Underfitting, Performance Metrics, Dimensionality Reduction, Introduction of Clustering, Examples of Clustering, Types of Clustering, K-means Clustering, Steps of K-means Clustering, Statistics behind K-means Clustering, Hands on K-means Clustering Using Jupyter.



**Participants performing Hands on K-means Clustering Using Jupyter**

The new speakers came for the last two days to take a Hands on session on Rubics. The speakers Sumedh Khodke, Software Developer in Product and Proyas Bose, Business Analyst, Inteliment Technologies, Pune were welcomed with a bouquet by Dr. Madhumita Chatterjee. Dr. Lata Menon (Dy. CEO, Rasayani Campus) also visited the

FDP.

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**Dr. Madhumita Chatterjee welcoming the speakers (Proyas Bose & Sumedh Khodke) with the bouquet**



**Dr. Lata Menon, Dr. Madhumita Chatterjee & HODs with the Speaker**

*Lata Menon*

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- **Day 5**

Introduction to Rubrics: In Rubrics, workspace is an entity which is used to manage your datasets and projects separately. All the created entities are stored in workspace. Users can create a new workspace, choose from the ones allocated, and edit. It acts as a container for all the assets you will create and save while operating Rubrics, Hands on Session for Rubrics, Projects, Datasets, Workbooks, Workflows, Building and Publishing Models.



**Sumedh Khodke training the participants about Workbooks**



*Sumedh Khodke*

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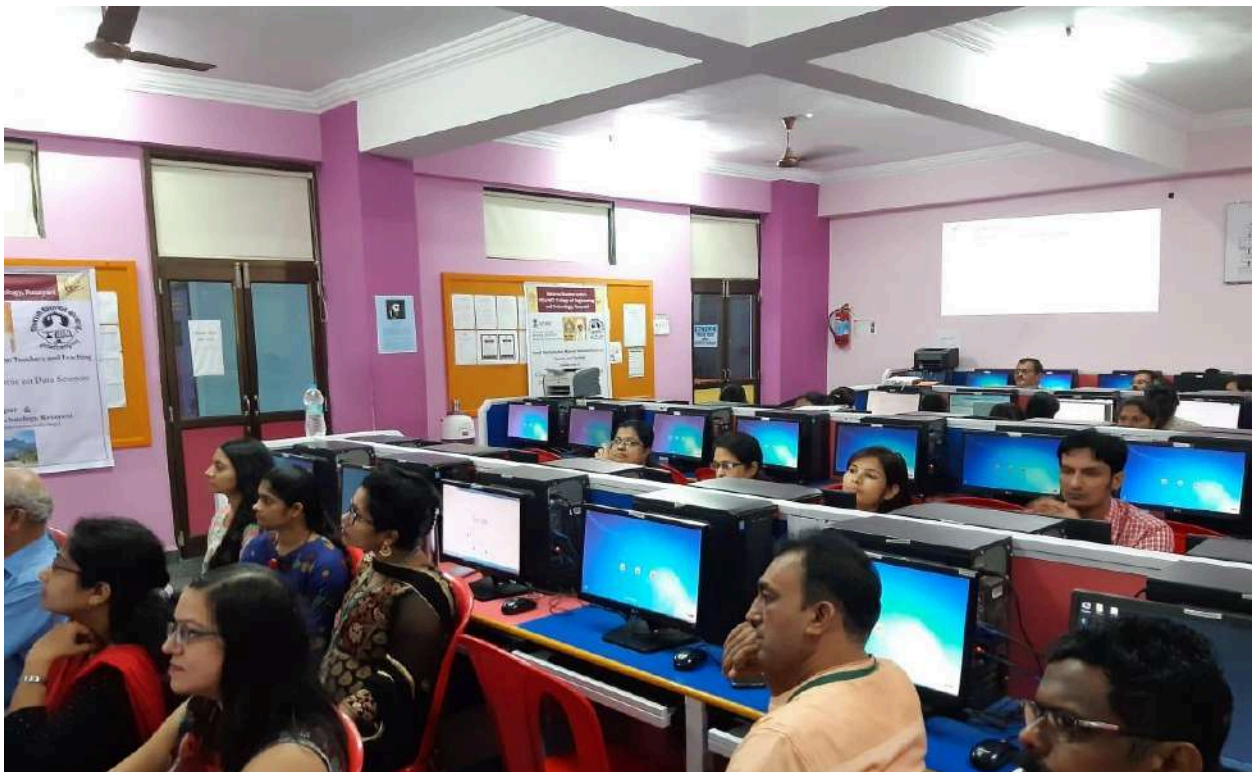


## Participants performing Hands on Session in Rubrics

- **Day 6**

Visualizations using Rubrics, Hands on Session for Visualizations using Rubrics, Importing dataset, Configuring charts, Creating dashboards, Login, Workspace, Datasets, Social Media, File, RDBMS, Google News API, Projects, Workbook, Workflow, Models, Dashboards, Administration, Creating User, Managing Rights, Autoscaling in Rubrics;

Demo of Key Features: Create workbook-Configure and create-Run-Check results and Data-Publish Model, Create Workflow -Configure and Create-Run-Check results, Custom Component, Python Custom Component-How to Run Python Code in Rubrics.



## Participants performing Hands on Session for Visualizations using Rubrics

- **Day 7**

Sentiment Detection Use Cases; Regression Use-Case in Rubrics; Car vendors Use Case; Online examination in Kahoot which consisted of 25 questions was taken, in which each

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question was to be answered within 20 seconds otherwise the question remains unanswered. For practicing they have given a practice test of 5 questions after which the evaluation exam of 25 questions was taken.

The certificate distribution ceremony was the last phase of the FDP. The top three toppers of the exam: Ms. Smita Dange, Mr. Saurabh Sirsikar, Ms. Pooja Shukre was given certificates by Dr. Madhumita Chatterjee. The remaining certificates for participants and organizing committee were distributed by Dr. Mathew Joseph and HODs. Dr. Ashok Kanthe gave vote of thanks to all the dignitaries, HODs, participants, organizing committee members, teaching and non-teaching staff for their continuous support.



**Participants and higher officials assembled for certificate distribution ceremony**

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## **Two Days Workshop on How to make your own operating System**

The Department of Information Technology has organized a Workshop on “How to make your own operating System.

**Date: 2<sup>nd</sup> and 3<sup>rd</sup> August 2019**

**Speaker: Mr Yogesh Babar**

This course provides comprehensive Operating Systems training for those who prefer to come up to speed on making a new operating system. The prerequisites are that the rapid pace of this class favors those who learn new concepts quickly, or have previous knowledge of Unix system administration in order to resolve problems and correctly execute the commands listed.

In particular, as an absolute minimum, participants should already have the ability to use the command line (shell) to copy or move files and directories, list directory and file contents, and change the current directory. It is also expected that participants have a reasonable knowledge of using and installing the Linux operating system and software. If participant have already attended

‘Booting’ workshop will be an advantage as trainers will be skipping the Linux bootloader configuration part.



Course outcomes of workshop on How to make your own operating System are:

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- Participants will study operating system concepts.
- Participants will demonstrate proficiency with Compiler construction and the way they work.
- Participants will study Linker/ Loader.
- Participants will study Linux kernel construction.
- Participants will demonstrate skill in Kernel Debugging.
- Participants will apply Porting Linux on an ARM processor.



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## **Webinar on “IPR and Patenting”**

Date: 11th May 2020

Department of Information Technology, Pillai HOC College of Engineering and Technology, Rasayani had organized Webinar on “**IPR and Patenting**” .The main objective of the webinar is to develop interest for faculties in patenting their original work.

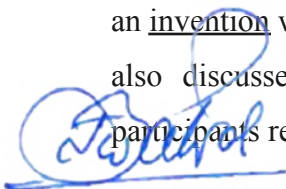
**200 faculties all over India** registered for the session and 151 participants all over India attended the online session conducted on the platform of Google Meet.

Link: <https://youtu.be/YkNURcAA2ik>

**Details of Resource Person: Dr. Rajesh H Kulkarni** is Director of Smt Indira Gandhi College of Engineering. Prior to SIGCE he played various roles such as Asst. Director, Vice Principal, Accreditation coordinator, HOD of Computer Engineering and ME Coordinator in his previous organizations. In a career spanning more than 23 years he authored four books, published research papers in SCOPUS/SCI indexed Journals and published six Patents. He has research interest in HCI, Software Engineering, Data Sciences, Machine

**Event Coordinator: Dr. Divya Chirayil**

The webinar gave insights of Patenting and various procedures for granting patents, requirements placed on the patentee, and the extent of the exclusive rights of Intellectual property claim according to National laws and International Agreements .The significance of having IPR for the owner and the legal rights to exclude others from making, using, selling and importing an invention was focussed. Various patenting forms and various methods to apply patents were also discussed. Session was an interactive session and solved all the queries from the participants regarding patenting issues. Vote of Thanks was delivered by IT Department HOD



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Dr. J. Nalavade. He expressed gratitude to all for making a successful event.

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Accredited with an 'A' grade by NAAC in the First Cycle 2019  
Recognized by NHA for Computer and Mechanical Engineering 2020  
Winner of the First Position for Workplace Safety Awards 2019  
Winner of Indian Merchant Chamber's Ramakrishna Bajaj National Quality Performance Excellence Trophy - 2019

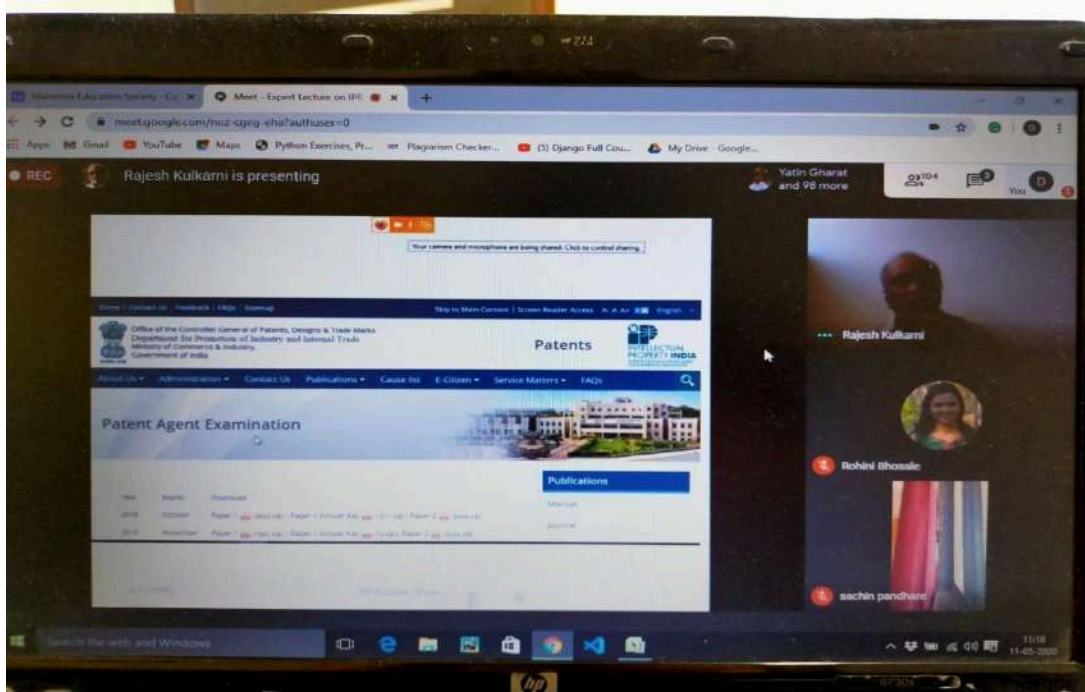
Department of Information & Technology  
Organizes an  
**Expert Lecture**  
On  
**IPR and Patenting**  
On Monday, 11<sup>th</sup> May 2020, from 10.30 am onwards

Keynote Speaker  
Dr. R. H. Kulkarni  
Prof and Director  
Smt Indira Gandhi College of Engineering  
Gharasoli, Navi Mumbai  
Teaching and Research Experience :26 Years

Participants must register online through the given link :  
<https://forms.gle/PsREYUJWn53wjTJA>  
For further queries contact Dr WhatsApp  
Dr. J.E. Nalavade ( 9405073464 )  
(HOD, Department of Information Technology)  
Dr. D.Y. Chirayil (9820940007)  
Coordinator

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**Counseling Workshop conducted in association with Art of Living Foundation on  
“Stress Management Workshop ”**

Date 18 th June 2020

No. Of Students and Faculty Attended: 174

Expert Speaker Details:

**1. Dr Uday Salunkhe** is currently working as COVID Doctor in BMC Hospital .He is craniosacral and spine therapist .Faculty in Art of Living for the last 14 years .

**2. Ms Bhawana Soni** is Psychologist and Philanthropist. Expertise in conducting more than 25 diverse courses and till date conducted 250 courses and Faculty in Art of Living.

Coordinator: Dr. Divya Y. Chirayil

Link:

<https://drive.google.com/file/d/1qEPPvtq4X9yTad5FrthMwh6Cq5-LD4bU/view?usp=sharing>

The Art of Living Foundation is a volunteer-based, humanitarian and Educational Non-Governmental organization (NGO). Programs for Youth Leadership are suggested by AICTE. An Educational and Humanitarian organization in the U.S. since 1989 accredited as a United Nations non-governmental organization.

Counseling and Motivational sessions for students and faculty from Pillai HOC College of Engineering and Technology as well as nearby Engineering colleges participated in the session .

Total 174 students and faculty members attended the interactive session. Students interacted with the counselor and expressed their problems of not being able to concentrate in studies, depression and other various mood swing issues were discussed. Various Yogic practices of Relaxation and meditation Techniques were also practiced by all the participants. Counselors also counseled to remove negative emotions, depression, anxiety and to focus on happy living.



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# Stress Management Workshop

Pillai HOC College Of Engineering & Technology , Rasayani

In Association With  
"Art Of Living"

Learn How To  
Be Happy Always



- Remove -  
Negative Emotions | Anxiety | Depression  
+ Add -  
Happiness | Energy | Focus Concentration

With



Bhawna Soni ji

&



Dr. Uday ji

On

June 18, Thursday

@

4:30 pm To 6 pm

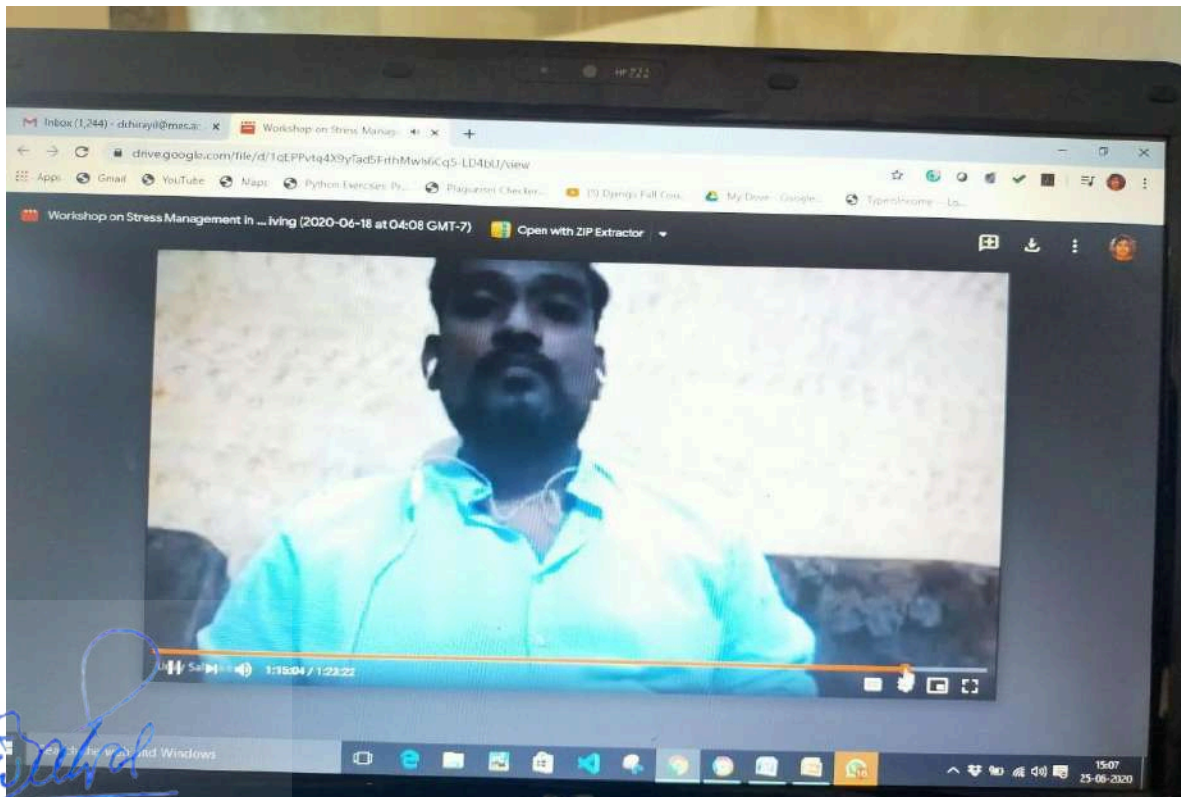
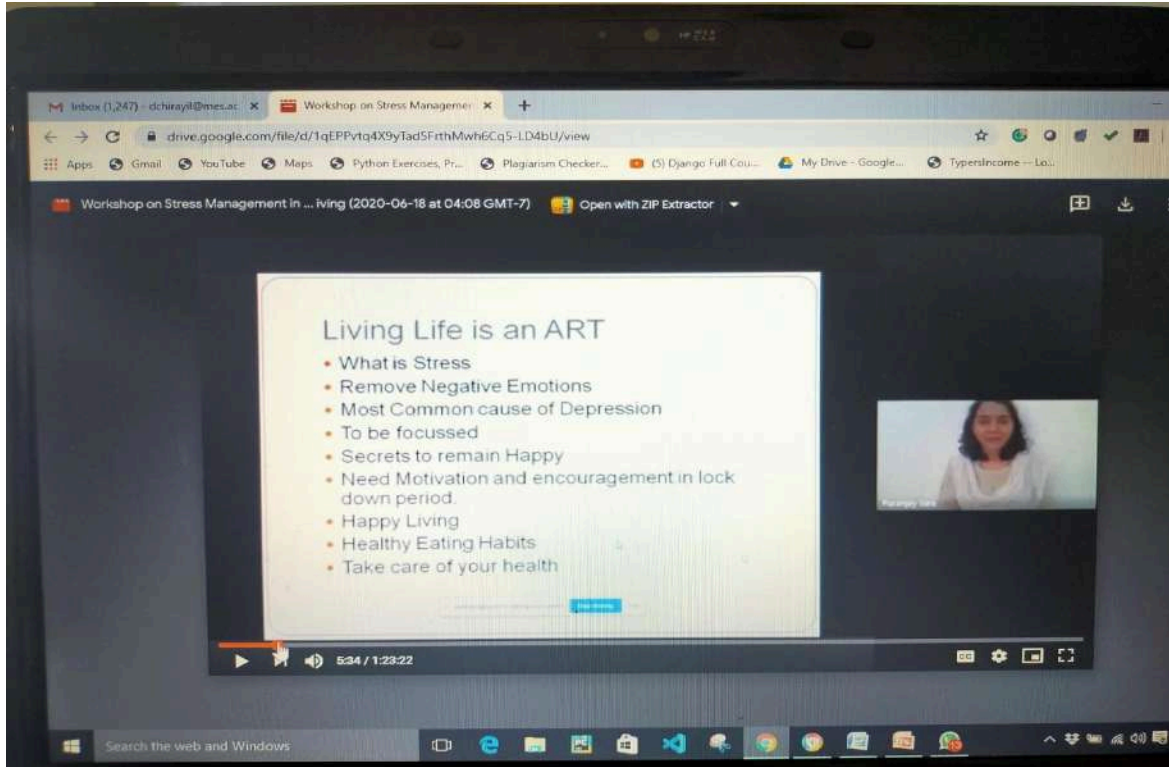
Registration Link

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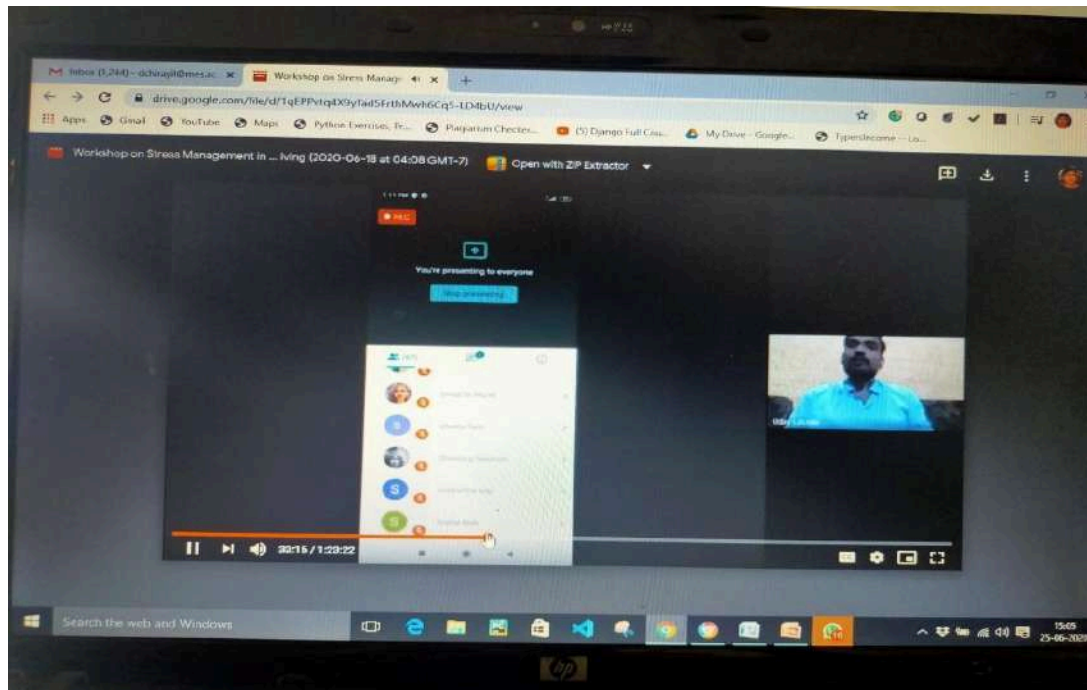
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A handwritten signature in blue ink, appearing to read "S. S. S. S.", written in a cursive style.

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## Webinar on “E-waste Management”

To make the best use of the lockdown period due to the COVID 19 pandemic, Pillai HOC College of Engineering and Technology, Department of Computer Engineering organized a webinar on “E-waste Management” for students and faculty of PHCET on 17th June, 2020. Participants were enlightened with the knowledge of resource personnel on e-waste management. Ms. Dhanashree Patil Education, Sub Regional Officer, Maharashtra Control Board, Sion was invited as the resource person for the webinar. She has 4 years industry experience. Currently she is working as Sub Regional Officer in Maharashtra Pollution Control Board. She works with the Electronic Waste Management division of the MPC Board. Total 55 students and faculty participated in the session.

<b>Date</b>	17th June, 2020
<b>Platform</b>	Google Meet
<b>Resource Person</b>	Ms. Dhanashree Patil, Sub Regional Officer, Maharashtra Control Board, Sion
<b>Coordinator</b>	Ms. Rohini Bhosale
<b>Department</b>	Computer Engineering

Various topics were unfolded by the eminent speaker during the webinar. The following are some of the topics discussed in the session by the speaker:

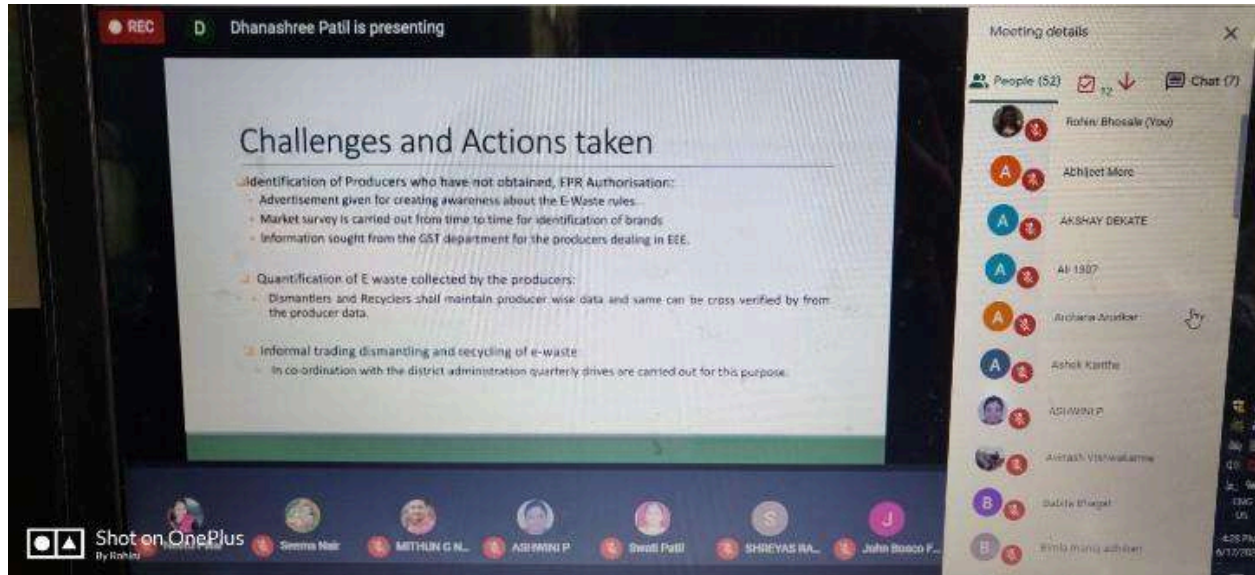
- What is e-waste
- Sources of e-waste
- Effects of e-waste on the environment
- E-Waste Management Rules, 2016
- Roles and responsibilities of shareholders



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The session ended with a vote of thanks by Dr. Ashok Kanthe, Head of Computer Engineering Department. Feedback link was sent to the participants and E-Certificate was mailed to their registered mail ids. Positive feedback was received from participants.

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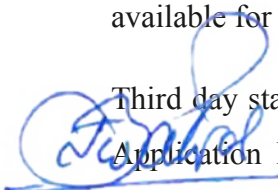
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## **Report on Faculty Development Program on Electronic System Design, Modeling & Simulation**

Department of Electronics & Telecommunication Engineering, PHCET, Rasayani organized a 3 days Faculty Development Program on "Electronic System Design, Modeling & Simulation " from 8th June – 10th June 2020. The FDP was organized in Association with Entuple Technologies Pvt. Ltd. , Pune and IETE , Navi Mumbai. 135 faculty members from various engineering colleges across Maharashtra registered for the program. FDP mainly aimed at electronic design and software tools used for the same. FDP started with opening remarks of Dr. Mansi Subhedar , Hod, PHCET , Rasayani followed by introduction of the session speaker Dr. Sudhakar Mande , by Ms. Rekha Dhawan , FDP coordinator. Dr. Sudhakar Mande is currently working as Professor and IQAC coordinator at Don Bosco Institute of Technology, Mumbai. His areas are Embedded system design, VLSI technology, Nanoscale device and system design. He delivered a session on Overview of VLSI technology. He started with the basics of VLSI and also explained the design process. The session was very informative and everyone gained knowledge from it. The vote of thanks was given by Mr. Pratik Mhatre, FDP, coordinator. The second session was conducted by Mr. Zarrar Khan, Assistant Professor at Kalsekar College of Engineering, Panvel. His area of interest includes VLSI design and different softwares. He demonstrated Microwind software used for VLSI design. He explained it with a few examples by implementing it on the Microwind platform. All participants appreciated his session.

Second day started with the introduction of the speaker Mr. Avinash Keshav who is working as Sr. Application Engineer at Entuple Technologies Pvt. Ltd Pune. Entuple Technologies provides solutions to different sectors such as Aerospace and Defence, Academia, Automotive, Industrial Equipment and rotating measurement. At Entuple Mr. Avinash Keshav supports Cadence tool which is EDA tool in industries. He explained Cadence based Semi-custom Design flow and Cadence based Full-custom Design flow used in VLSI design. He showed various options available for design in Cadence.

Third day started with the introduction of the speaker Mr. Kamlesh Kumar who is working as Sr. Application Engineer at Entuple Technologies Pvt. Ltd Pune. Entuple Technologies provides



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solutions to different sectors such as Aerospace and Defence, Academia, Automotive , Industrial Equipment and rotating measurement. At Entuple Mr. Kamlesh Kumar is also involved in technical support for OrCAD P-Spice, PCB and MITS Prototyping solutions for R & D, Corporate, Commercial and Academic market. He explained Electronic Devices and Circuit Simulation using OrCAD tools and PCB design using OrCAD PCB flow. He showed various options available for design in OrCAD and also how it is useful in academic institutions.

The FDP was concluded with vote of thanks to all the participants, Session speakers and Management, Mahatma Education Society.



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A Report on FACULTY SEMINAR SERIES -2020

### Department of Applied Sciences and Humanities

Applied Sciences and Humanities Department organized the Faculty Seminar Series from 15 June to\_23 June 2020. The Faculty Seminar Series enabled Collaborative learning and developed Research interest among faculty members. The faculty members enthusiastically discussed topics of their research area. The Seminar was conducted using online platform through Google meet app. The details of the research seminar can be found below.

#### **Dr.Manvendra Vashistha**

*Topic: Energy Scenario and Prospects of Hydrogen as a Clean Future Fuel*

In this seminar, the speaker discussed current energy scenario across the globe. The speaker further elaborated the revolutionary changes in resources, renewable energy, production, transportation and state storage of hydrogen as a clean future fuel.

#### **Ms.Sunita Khansole**

*Topic: A Review on new roles of teacher during and post COVID-19 Blackboard to Broadband*

The Lecture presented by Ms.Sunita Khansole surveyed the history of education system from the Gurukul system to the 21<sup>st</sup> century. The Speaker explained challenges involved in online learning and compared the role of a teacher in traditional and modern learning. The seminar also emphasized the importance of 'Blend Learning' along with the usage of modern tool in teaching and research.

#### **Mr.Nilesh Raut**

*Topic: Basics of Solar Photovoltaics*

The speaker explained Photovoltaic Effect in brief. The seminar highlighted the important components of solar panel with types of connections and functions of various parts of solar PV system.

#### **Ms. Sarita Devi**

*Topic: Analytical and Numerical methods to solve partial differential equations*

The speaker illustrated several examples and types of Analytical and Numerical methods to solve differential equations. The seminar focused on advantages & disadvantages, applications and future scope of Analytical and numerical method.

#### **Mr.Sanjay Ghorpade**

*Topic: Metal ceramics preparation and its application*

The seminar focused on synthesis of metal ceramic and elaborated its application in rubber like material, effect of organic and inorganic ceramic on lubricating /processing oil & plasticizer.



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### **Mr.Jagdish Parate**

*Topic: AI and Mathematics*

The speaker discussed Artificial Intelligence (AI) in -depth. AI and its type was explained with some fine examples for precise understanding. The speaker defined neuron and neural network in detail and explained various branches of mathematics involved in AI.

### **Ms.Harshada Pratham**

*Topic: Matrix and its Application*

The Speaker defined matrix and concept of eigen values and vector with its application.

### **Mr.Vikram Pawar**

*Topic: Language and Literature/Religion Philosophy New Trend*

In the lecture, the speaker compared two ways impact of religion on literature and its reflection on social life. The seminar presented recent trends in English language teaching, Buddhist philosophy, Research ethics and plagiarism control.

### **Ms.Poonam Patil**

*Topic: Modernism in T.S.Eliot- The Wasteland*

The seminar revolved around the absurdity of the modern era. The speaker explained how the poet depicts the suffering and vagueness of life in the face of modernity throughout the poem 'The Wasteland'.

### **Ms.Suma Lalit**

*Topic: Robert Frost : An American Poet*

Biography of the eminent poet , Robert Frost was presented by the speaker. The speaker also explained importance of poetry in literature and discussed 10 other renowned poet in English literature.

### **Dr. Avinash Kamble**

*Topic : Set, Multiset & Fuzzy sets*

The broad objective of multiset and fuzzy set through the concept of classical set was explained by the speaker. Numerous practical application of fuzzy set was presented with several examples. The seminar showcased how fuzzy set is effective in decision making, where data is imprecise and vague.

### **Ms. Vishakha Gajghate**

*Topic: An Introduction to the Liquid Crystal*

A brief introduction to the liquid crystal, its application and different phrases using optical polarization microscope was explained in-depth.

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**Mr. Satish U.**

*Topic: Topology and its application*

In the seminar, definition of topology, its properties and applications was illustrated with several basic examples.

**Ms. Shital Rithe**

*Topic: Number Theory and its application*

The seminar surveyed the history of Number theory and explained related concepts like division algorithm, prime numbers, fermat little theorem along with its application in day –to-day life.

**Ms. Vijaya Shelke**

*Topic: Introduction to Probability*

Meaning and application of Probability with related basic terms such as Experiment , trial of experiment ,sample space were explained with some interesting examples.



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A Workshop on "PCB Design" was conducted by Prof. Pratik Mhatre on 28th April, 2020 for the target members of first year students. This online workshop was organised by Department of Applied Science and Humanities, Pillai HOC College of Engineering and Technology.

PCB Designing is one of most emerging field in Electronics in today's era. For the students of Electrical, Electronics & Electronics & Communication engineering (EC) students, this is a good field to start their career. PCB designers are key persons in research and development (R&D), electronics production units as well as in the PCB industry.



Event was started by the informative and motivational talk to have a healthy "PCB Designing Workshop". PCB Design Software "Dip trace" is taught to the Students. Following content are covered in workshop :(1) Schematic Design (2) Component Footprint Design (3) Integrated Library Design (4) PCB Design & Routing (5) Guidance on Itching of PCB. Prof. Pratik Mhatre have coordinated & executed 1-day of PCB Design workshop appreciably to make it a successful workshop to enhance student's skill level. Total 250 students had participated in this event using online Zoom Meeting.

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One day workshop on "Non-destructive Testing of concrete: An innovative approach", organized by Department of Civil Engineering,PHCET Rasayani

23

AUG

## National Workshop on "Non-Destructive Testing of Concrete: An Innovative Approach"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > National Workshop on "Non-Destructive Testing of Concrete: An Innovative Approach"

Department of Civil Engineering conducted **One Day National Workshop on "Non-Destructive Testing of Concrete: An Innovative Approach"** on 23rd August, 2019. The workshop started with traditional lamp-lighting ceremony and a welcome address by **Mr. Raju Narwade**, Head of the Civil Engineering Department including brief introduction of the mission, vision and activities conducted in the department. This was followed by introduction of the workshop theme by **Ms. Gayatri Deshpande** (Convener of the workshop).

**Date** 23rd August, 2019

**Department** Civil Engineering

The main objective of the workshop was to explore and discuss the new techniques of Non-Destructive testing for concrete structures. Concrete Technology is very important subject of civil engineering. Its knowledge is required during planning, design and construction to ensure economical and safe designs of structures. Eminent speaker from illustrious company of Structwel Designers and Consultant Pvt. Ltd. was invited to address real-time testing done in construction work. **Mr. Kaustubh Raikar** (Executive Director) has delivered a seminar on various non-destructive testing on concrete such as Ultrasonic Pulse Velocity test, Rebound Hammer test, Cover meter test, Half Cell Potential test, Carbonation test, Core test, Infrared Thermography test, Endoscope test with the examples of practical case studies. Hands on training on this above mentioned instruments were also given to students which helped a lot for



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Hands on training to students on non-destructive testing of concrete



Hands on training to students on non-destructive testing of concrete

*J. S. J.*

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Mr. Kaustubh Raikar sir along with Faculty of Civil Engineering

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## One day workshop on "Exploring Ferrocement", organized by Department of Civil Engineering, PHCET Rasayani

27

SEP

### Workshop on "Exploring Ferrocement"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > [Workshop on "Exploring Ferrocement"](#)

Department of Civil Engineering conducted One Day Workshop on "Exploring Ferrocement" on Friday, 27th September, 2019 from 9.30 a.m. to 4.30 p.m. Total 137 participants from Gharda Institute of Technology, Lavel, Ratnagiri, Vidyavardhini's College of Engineering and Technology, Vasai, Viswatomak Om Gurudev College of Engineering, Shahapur, Vishwaniketan Institute of Management Entrepreneurship and Engineering Technology, Khalapur, Terna Engineering College, Nerul, Pillai HOC College Of Engineering & Technology, Rasayni, Pillai HOC Polytechnic Rasayni, Pillai HOC College of Architecture, Rasayni participated in this workshop.

<b>Date</b>	27th September, 2019
<b>Department</b>	Civil Engineering
<b>Venue</b>	Conclave-II, PHCET
<b>Co-ordinator</b>	Dr. Shilpa Pankaj Kewate

The objective of the workshop was to provide an insight into ideas of designs and techniques of ferrocement in construction. Mr. Pushyamitra Balkrishna Divekar (Managing Committee Member, Ferrocement Society, Head Office, Pune), Mr. P. P. Lele (Hon. Secretary, Ferrocement Society, Head Office, Pune), Mr. Milind Kulkarni (Hon. Secretary, Ferrocement Society, Head Office, Mumbai), Mr. Girish Sangle (Project Co-ordinator, Ferrocement Society, Head Office, Pune) were invited as resource persons. The event -was graced by the presence of Dr. Madhumita Chatterjee, (Principal, PHCET).



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Workshop Organizing Committee along with dignitaries

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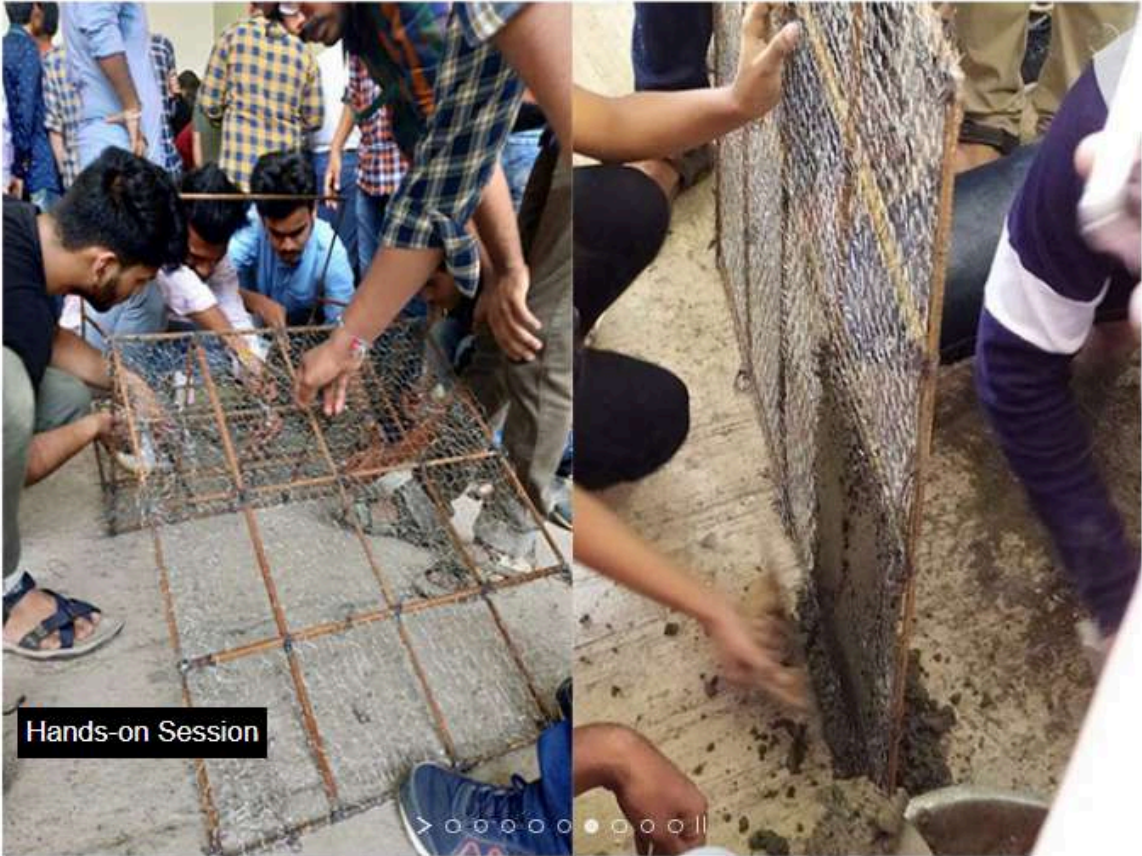


Workshop Participants along with Dignitaries

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Hands-on Session

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Dr. Madhumita Chatterjee (Principal PHCET) welcomed all the participants for the workshop

**International workshop on "Application of Remote Sensing and GIS for sustainable development in Engineering", organized by Department of Civil Engineering,PHCET Rasayani**

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**Department of Civil Engineering conducted an International Workshop on "Application of Remote Sensing and GIS for Sustainable Development in Engineering" on 13th and 14th January, 2020.** The workshop started with traditional lamp-lighting ceremony and a welcome address by Mr. Raju Narwade, Head of the Civil Engineering Department.

<b>Date</b>	13th and 14th January, 2020
<b>Venue</b>	Conclave-I, PHCET
<b>Convener</b>	Mr. Raju Narwade
<b>Department</b>	Civil Engineering

The main objective of the workshop was to explore and discuss the techniques of remote sensing and GIS which has many applications for sustainable development in rural and urban areas in the field of surveying (topographic / cadastral / natural resources etc.), construction (urban / rural / municipal / infra-structure / materials etc.), transportation (roads / bridges / traffic etc.), water resources (water supply / treatment / canals / dams / storm / sewers etc.), environment (chemical and biological waste / pollution impact / remedy / resource-management / public-health etc.), geological (rock soil mechanics / earthquake engineering etc.) and coastal (erosion / flood / defence / hydro-dynamics etc.) GIS greatly enhances the optimum use of land, the functional efficiency of a proposed design, its marketability etc. GIS is a powerful tool in the management of spatial information. The primary advantage of using GIS as a database for transportation data is the fact that GIS can integrate the spatial data and display the attribute data in a user-chosen format.



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Dr. Priam Pillai, (Ph.D. - MIT United States of America), Professor in Mechanical Engineering Department, Pillai College of Engineering, New Panvel. He delivered a Seminar on "Studying Urban Growth using GIS and Remote Sensing"



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Dr. Tarendra Lakhankar delivering a seminar



Dr. Priam Pillai, (Ph.D. - MIT United States of America), Professor in Mechanical Engineering Department, Pillai College of Engineering, New Panvel. He delivered a Seminar on "Studying Urban Growth using GIS and Remote Sensing"

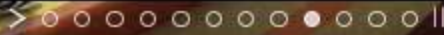
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## One day webinar on Effective Teaching Methodology conducted by Department of Civil Engineering,PHCET (Lockdown activity)

05

MAY

### Webinar on "Effective Teaching Methodology"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Effective Teaching Methodology"

Department of Civil Engineering conducted an Expert Lecture (Webinar) on "Effective Teaching Methodology" on 5th May, 2020 at 11:00 a.m. The keynote speaker Dr. M. N. Shesha Prakash (Ph.D. from IISc, Bengaluru), presently working as Vice-Principal, Professor and Head of Civil Engineering Department in VVIET, Mysore, Karnataka. About 995 registrations were received by professors from IIT's, NIT's and reputed institutions across the nation. E-Certificates were issued to all the participants.

<b>Date</b>	5th May, 2020
<b>Platform</b>	CISCO Webex Meetings
<b>Co-coordinator Convener</b>	Mr. Sandeep G. V. and Mr. Raju Narwade
<b>Department</b>	Civil Engineering



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Reaccredited by NBA for Computer and Mechanical Engineering 2020  
Winner of the First Position for Workplace Safety Awards 2019  
Winner of Indian Merchant Chamber's Ramakrishna Bajaj National Quality Performance Excellence Trophy - 2018

Organized by Department of Civil Engineering

AN EXPERT LECTURE  
ON

## Effective Teaching Methodology



Keynote Speaker

**Dr. M.N. Shesha Prakash**

PhD (IISC, Bangalore)

Vice-Principal, VVIET, Mysore, Karnataka

Teaching and Research Experience : 33 Years

Date: 5<sup>th</sup> May 2020

Time : 11:00 AM

### HOW TO ATTEND :

1. Install Webex meeting application
2. Click on the link given below at 11:00 AM on 5<sup>th</sup> May 2020

<https://meetingsapac11.webex.com/meet/dr.mysore.prakash>

### For any query please contact OR WhatsApp

1. Mr. Raju Narwade (8108202122)  
(HOD, Dept. of Civil Engineering)
2. Mr. Sandeep. V. Gujjar (8793169868)  
(Asst. Professor, Dept. of Civil Engineering)

**NOTE:** E-Certificate will be issued to all the participants.

In Association with



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**EFFECTIVE TEACHING**

**Dr. M.N. Shesha Prakash**  
 Ph.D, MSc (Info-Tech), MBA (HRM)

Vice Principal, Professor and Head  
 Department of Civil Engineering,  
 Vidya Vikas Institute of Engineering & Technology  
 Mysore-570 028  
 Email: vp.vviet@gmail.com

Dr. M.N. Shesha Prakash, Vice Principal, VVIET

**EFFECTIVE TEACHING**

**What do Industries want?**

1. Good attitude
2. Ability to learn
3. Willingness to learn
4. Punctuality & discipline
5. Risk taking mentality
6. Knowledge on problem solving methods
7. Creativity (ability to see alternate solutions)

Dr. M.N. Shesha Prakash, Vice Principal, VVIET

One day webinar on Futuristic Engineering conducted by Department of Civil Engineering, PHCET (Lockdown activity)

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13

MAY

# Webinar on "Futuristic Engineering"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Institute Organization > Webinar on "Futuristic Engineering"

Department of Civil Engineering, Pillai HOC College of Engineering & Technology, Rasayani, conducted a webinar on "Futuristic Engineering" on Wednesday, 13th May, 2020 at 11:30 a.m. Dr. Mujahid Husain, Professor and Head, Department of Civil Engineering at SSBT's College of Engineering & Technology, Bambhori, Jalgaon, Maharashtra was an invited as a resource person for the same.

**Date** 13th May, 2020

**Platform** Zoom Cloud Meeting App

**Department** Civil Engineering

**Co-ordinator** Ms. Sonali Baviskar

The main objective of the webinar was to focus on the advances in engineering, its impact on the society and the environment and to know about directives for sustainable development.

Total 46 participants from various institute of Mumbai university attended the webinar. The webinar was highly informative for faculty, students and research scholars. The webinar was fruitful as the participants gained the knowledge about futuristic engineering. All the participants were issued E-certificate.

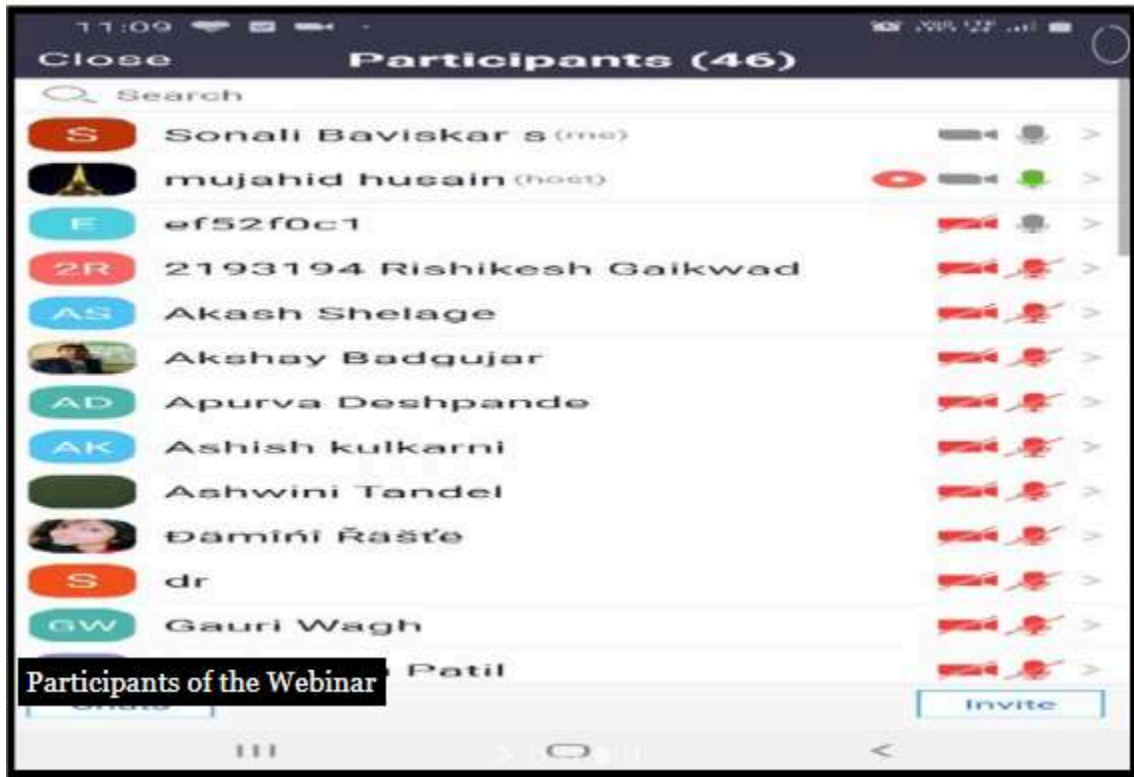


Participants of the Webinar

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Recording


























You are viewing **Pranav's** screen

View Options

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Speaker View

Full Screen

 Sandeep Giv	 Shrenik Dinesh...	 madhulika sarda	 Akash Shelage	 Ashwini Tandel
 Pranav Parab	 Apurva Deshpande...	 Tejaswini Manaji	 pranav parab	 Sanskriti Pashte
 Pranav Andhyal	 Mikhil Chavan	 Pooja Garkh	 Harsh Baviskar	 Eshani Rane
 Ashish kulkarni	 vinit jadhav	 Manisha bungs...	 Steffi Stephen	 Harkishan Patil
 2193194 Rishk...	 vishal chavhan	 PRATYUSHA TAL	 Vikrant Baviskar	 PRERNA SHK

Participants of the Webinar

Unmute

Start Video

Participants 45

Chat

Raise Hand

Record

Reactions

Leave Meeting



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## One day webinar on Green Building and Sustainability conducted by Department of Civil Engineering, PHCET (Lockdown activity)

14

MAY

### Webinar on "Green Building and Sustainability"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Green Building and Sustainability"

Department of Civil Engineering conducted webinar on "Green Building and Sustainability" on Thursday, 14th May, 2020 at 4 p.m. Total 100 participants from Melbourne (Australia), Chhattisgarh, Karnataka, Chhattisgarh, Chennai, Ahmedabad, Bengaluru, Amravati, Pune, Nashik, Akola, Bhandara, Chandrapur, Nagpur, Thane Navi Mumbai and Mumbai participated in this webinar.

<b>Date</b>	14th May, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Co-ordinator</b>	Dr. Shilpa Pankaj Kewate
<b>Department</b>	Civil Engineering

The objective of the webinar was to provide an insight into revolutionary ideas of green building and sustainability. Mr. Bhavesh Mehta, (Deputy General Manager, Engineering Design at Reliance Industries Limited, Navi Mumbai) is Core committee member of Confederation of Indian Industries, Indian Green Building Council, Mumbai chapter was invited as a resource person. Mr. Bhavesh Mehta delivered a seminar on green building and sustainability and also explained about availability of huge potential for the green building industry for the fresh engineers after their graduation for becoming entrepreneurs. At the end question-answer session was conducted on green building and sustainability. The webinar was fruitful as the participants gained new innovative ideas of designs and techniques of green buildings.



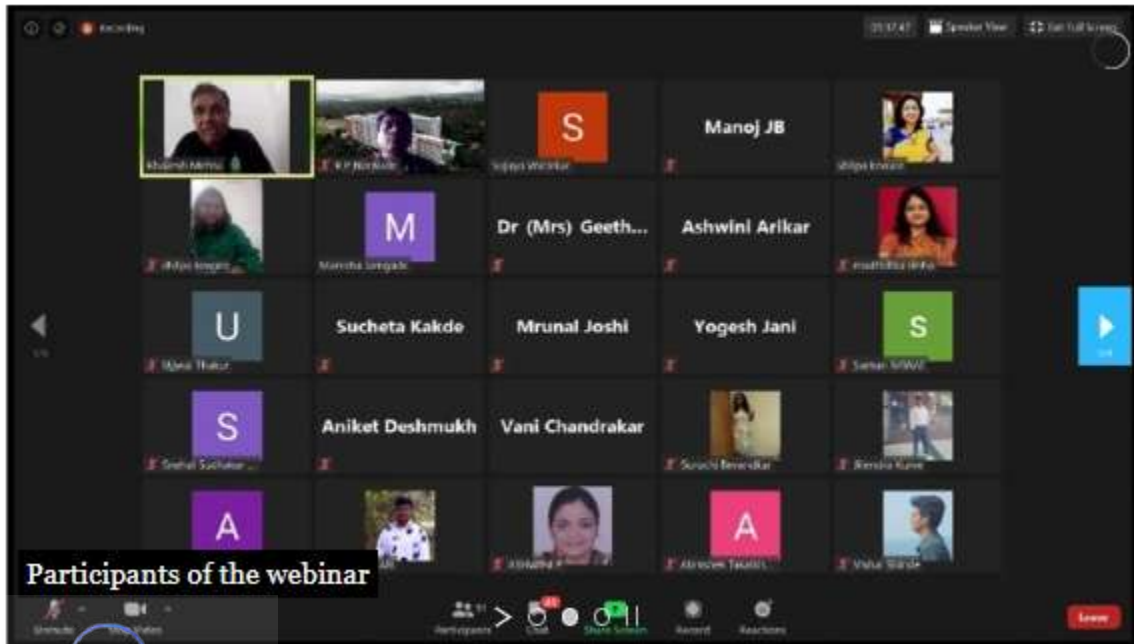
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Mr. Bhavesh Mehta delivering Lecture on Green Building and Sustainability

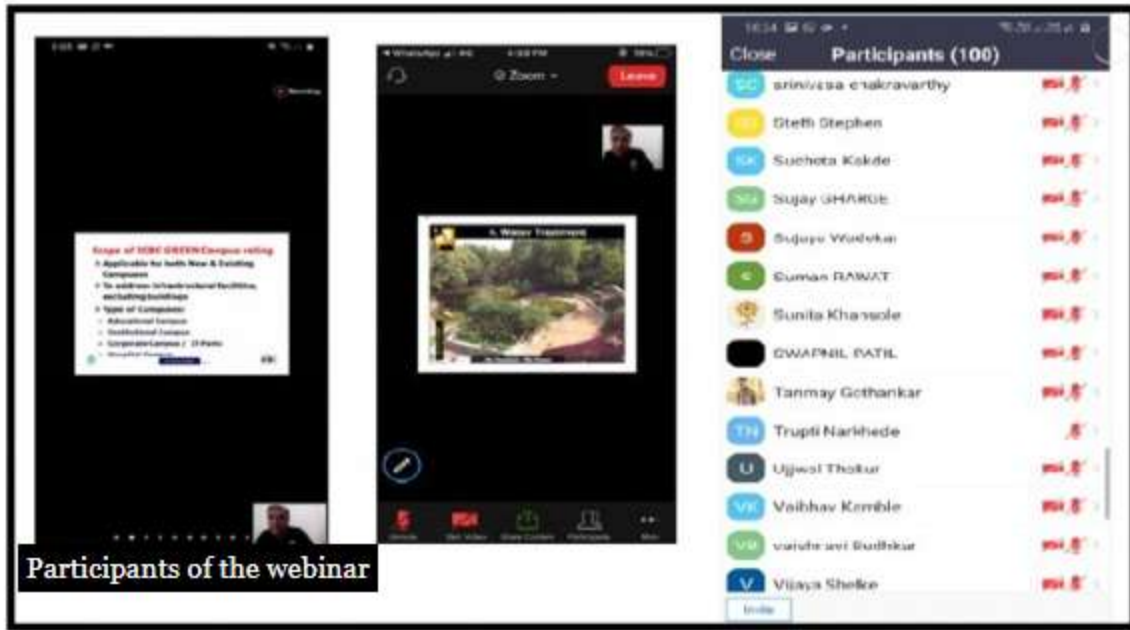


Participants of the webinar

*Swahar*

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Rassyan, Tal. Khelapur  
Dist. Raigad, Pin-410 207



Participants of the webinar

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 Pillai's HOC Educational Campus  
 Rassyani, Tal. Khelapur  
 Dist. Raigad, Pin-410 207

## One day webinar on Role of Supplementary Cementitious Materials on Concrete Durability organized by Department of civil engineering, PHCET (Lockdown activity)

PHCET > Civil Seminars & Workshops > Webinar on "Role of Supplementary Cementitious Materials on Concrete Durability"

Department of Civil Engineering conducted webinar on "Role of Supplementary Cementitious Materials on Concrete Durability" on 19th May, 2020 at 11.30 a.m. Total 100 participants from Chhattisgarh, Bihar, Tamil Nadu, Lucknow, Ahmedabad, Bengaluru, Amravati, Pune, Nashik, Akola, Chandrapur, Nagpur, Thane, Navi Mumbai and Mumbai have participated in this webinar. The participants from industries such as UltraTech Cement, Zigma Global Environ Solutions Private Limited, Avighnaa Contractors Private Limited have also participated in this webinar.

<b>Date</b>	19th May, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Co-ordinator Convener</b>	Ms. Madhulika Sinha, Mr. Raju Narwade
<b>Department</b>	Civil Engineering

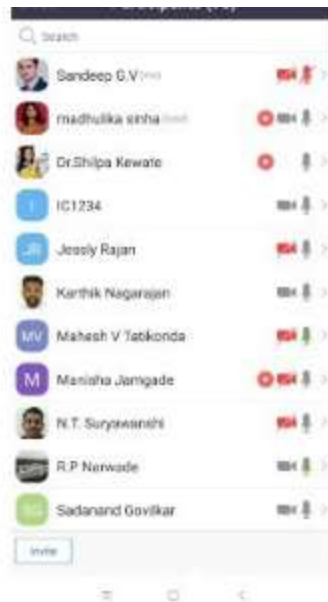
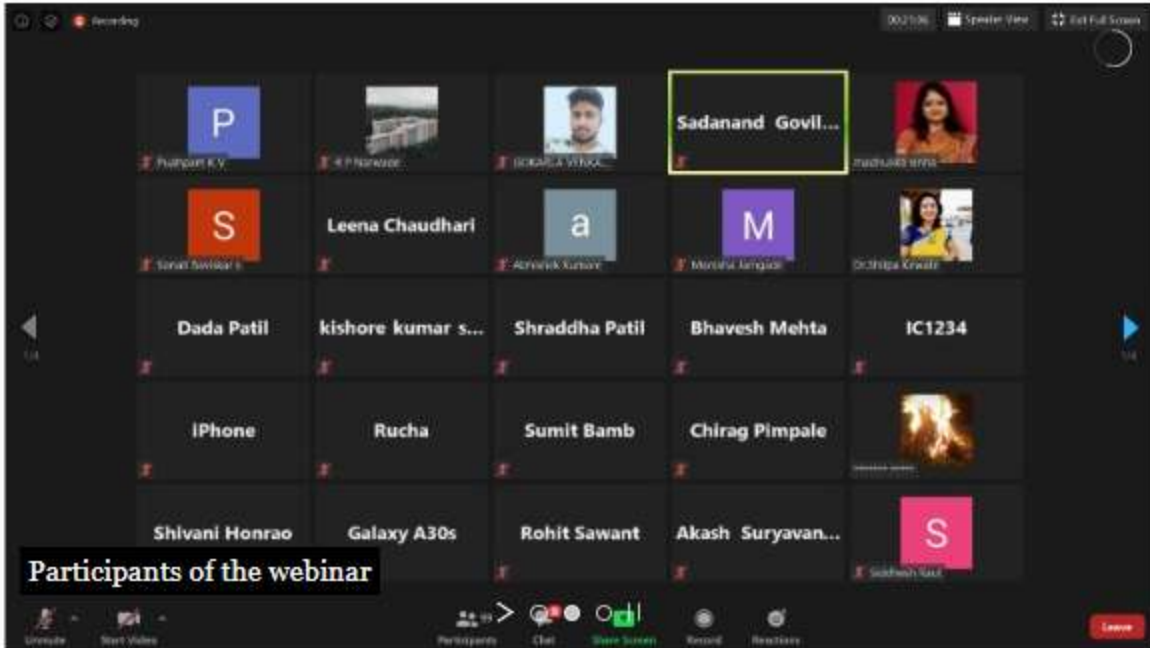
The expert, Mr. Sadanand Govilkar is working as a Managing Director at Avant-Tech Lab and Research Centre Private Limited, Turbhe, MIDC, Navi Mumbai. He is a life member of Institute of Concrete Technology, London, UK (MICT) and also Life member of Indian Concrete Institute (MICI).



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Participants of the webinar

*Sadanand Govilkar*

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**One day webinar on conservation of water by Intensive afforestation and Rain water harvesting organized by Department of Civil Engineering ,PHCET (Lockdown activity)**

**25**

MAY

**Webinar on "Conservation of Water by Intensive Afforestation and Rainwater Harvesting"**

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Conservation of Water by Intensive Afforestation and Rainwater Harvesting"

Department of Civil Engineering conducted a Webinar on "Conservation of Water by Intensive Afforestation and Rainwater Harvesting" on Monday, 25th May, 2020 at 4 p.m. Total 68 participants from Delhi, Jammu and Kashmir, Hyderabad, Kanpur (Uttar Pradesh), Bengaluru, Belgam, Laxmeshwar (Karnataka), Chhattisgarh, Madhya Pradesh, Gujarat, Akola, Wardha, Dhule, Beed, Aurangabad, Lucknow, Chennai, Ahmedabad, Amravati, Pune, Kolhapur, Nashik, Bhandara, Chandrapur, Nagpur, Thane, Navi Mumbai and Mumbai, participated in this webinar. Participants were from different sectors viz several faculties of various engineering colleges and other streams like MBA (NICMAR), Architecture, M.Tech. and Ph.D. students from all over India, government sectors (Irrigation Department, Kokan Bhavan), practising engineers and architects (Artefact Projects Private Limited), Contractors (Geocon International Private Limited Mumbai), Consultancies (Rectangle Civil Consultant, Nagpur) and Becquerel Industries Private Limited, Nagpur, TUV SUD South Asia, New Delhi, Zigma Global Environ Solutions Private Limited, Nagpur.

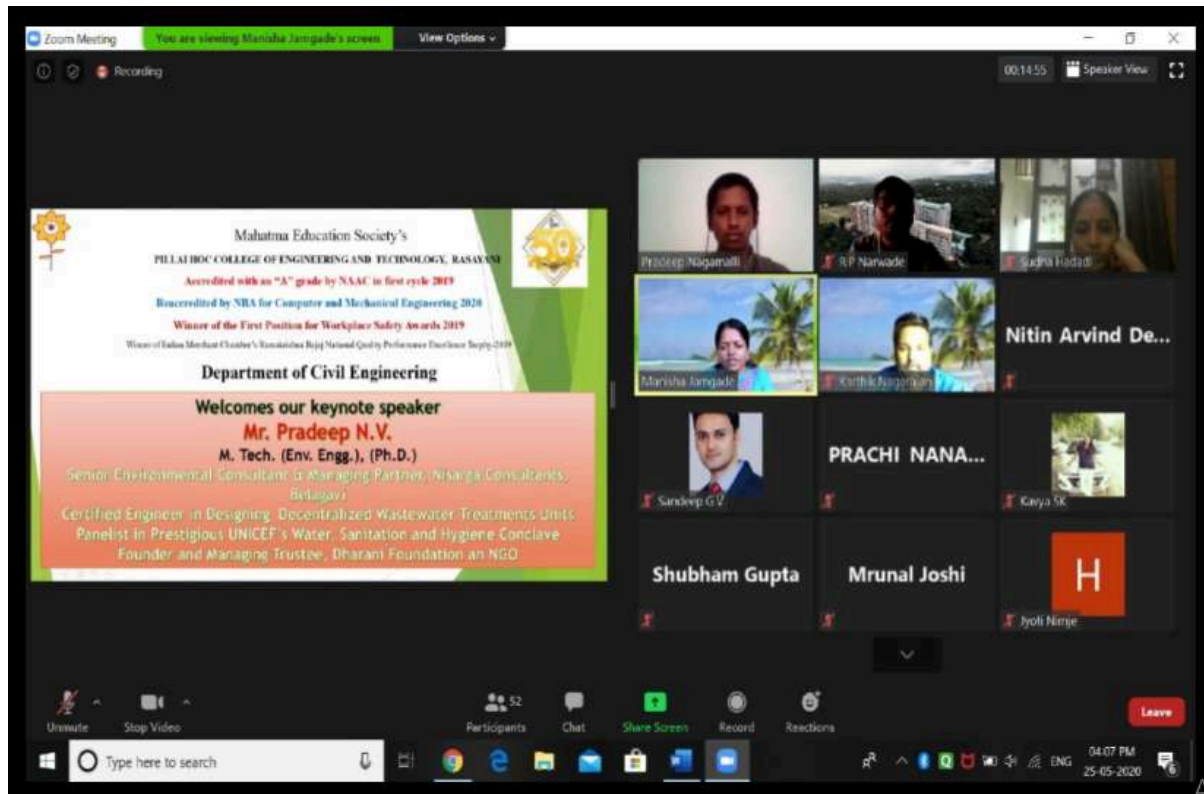
<b>Date</b>	25th May, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Co-ordinator Convener</b>	Ms. Manisha Jamgade, Mr. Raju Narwade
<b>Department</b>	Civil Engineering



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*Signature*

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# RAINWATER HARVESTING

- Rainwater harvesting means capturing the rain where it falls or capturing the runoff and taking measures to store that water and keep it clean for further use.
- One of the world's most important ancient water supply techniques.
- Rainwater is an important water source in many areas.



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## RAINWATER HARVESTING AT KLE'S CET, LADIES HOSTEL CAMPUS, BELAGAVI



00:47:59

00:22:40

The theme was explained by Ms. Manisha Jamgade, webinar coordinator followed by review of webinar and introduction of our institute and its mission and vision by Mr. Raju Narwade, Head of Civil Engineering Department.

Mr. Pradeep N. V. (Senior Environmental Consultant & Managing Partner, Nisarga Consultants, Belagavi) is a Certified Engineer in Designing Decentralized Wastewater Treatments Units, Panellist in Prestigious UNICEF's Water, Sanitation and Hygiene Conclave and Founder and Managing Trustee of Dharani Foundation an NGO, was invited as a resource person. He is members many organizations, few are International Society of Environmental Informatics, Society for Sugar Research and Promotion and World Environmental Organization.

Mr. Pradeep N. V. explained how uncontrolled exploitation of water resources are responsible for water crisis in India as well as all over the world in spite of abundant rainfall. He also enlightened the rich traditional and advanced Afforestation techniques and Rain water harvesting practices existing, their applicability and suitability in various soil types as well. He explained how taking a holistic approach to water conservation is significant in conservation of water. The session was followed by question-answers where the speaker cleared the doubts of the participants. The webinar concluded with vote of thanks given by Mr. Karthik Nagarajan. The webinar was productive as the participants expanded new innovative ideas for the design and installation of rain water harvesting techniques.



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## One day webinar on Geotechnical Aspects for Nuclear Facility organized by Department of Civil Engineering, PHCET (Lockdown activity)

30

MAY

### Webinar on "Geotechnical Aspects for Design and Construction of Nuclear Facility"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Geotechnical Aspects for Design and Construction of Nuclear Facility"

Department of Civil Engineering conducted Webinar on "Geotechnical Aspects for Design and Construction of Nuclear Facility" on Saturday, 30th May, 2020 at 11.30 a.m. Total 100 participants from Karnataka, Nagpur, Thane, Navi Mumbai and Mumbai participated in this webinar. Faculty from several Engineering Institute, MTech and PhD students from attended the webinar.

<b>Date</b>	30th May, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Department</b>	Civil Engineering
<b>Co-ordinator</b>	Ms. Ashwini P

Geotechnical engineering forms an important part in design and construction of buildings as to ensure safe and stable founding of the building, for distribution of loads without settlement or failure of founding strata. In case of nuclear power plant (NPP)/ nuclear facility (NF) the importance is well enhanced considering the degree of safety associated with it.

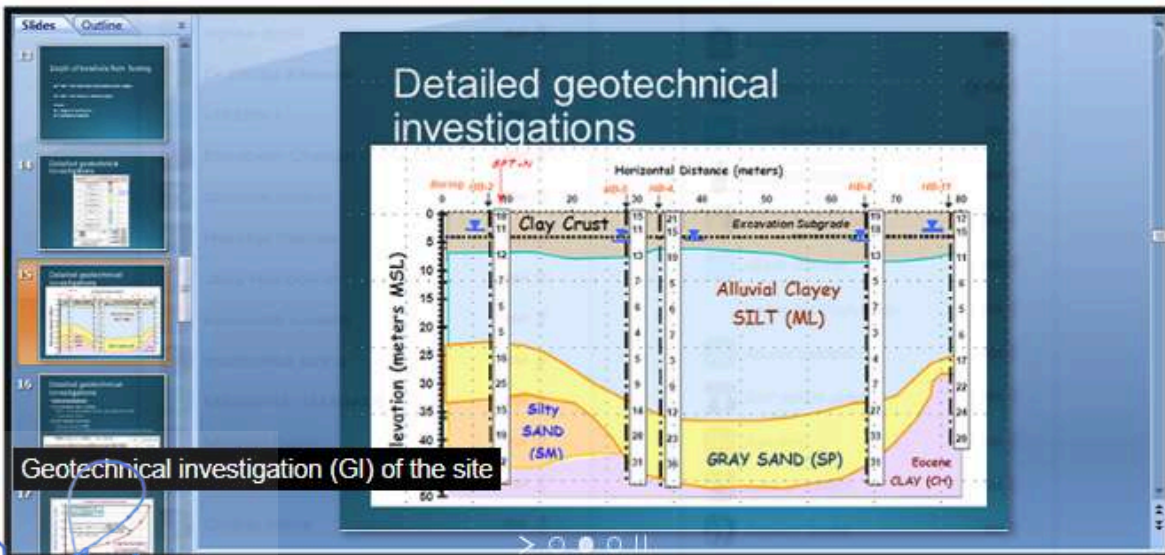
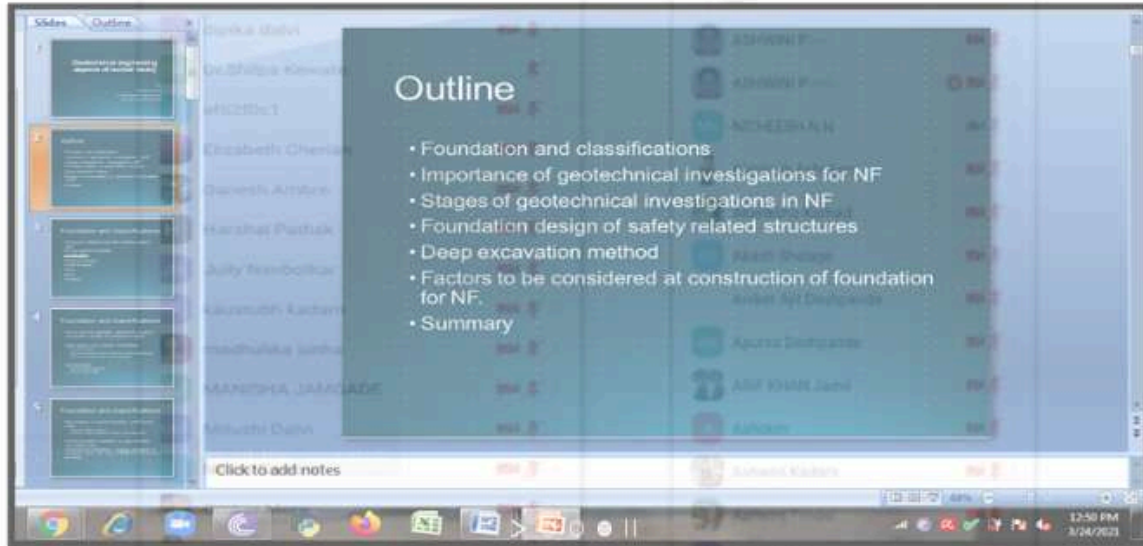


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Geotechnical engineering forms an important part in design and construction of buildings as to ensure safe and stable founding of the building, for distribution of loads without settlement or failure of founding strata. In case of nuclear power plant (NPP)/ nuclear facility (NF) the importance is well enhanced considering the degree of safety associated with it.



*T. J. J. J.*

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The image shows a screenshot of a presentation software interface. The main slide is titled "Outline" and contains a bulleted list of topics. On the left side, there is a "Slides" pane showing a list of slide thumbnails, with the second slide selected. At the bottom of the screen, there is a Windows taskbar with various application icons and a system tray showing the time as 12:50 PM on 3/26/2021.

**Outline**

- Foundation and classifications
- Importance of geotechnical investigations for NF
- Stages of geotechnical investigations in NF
- Foundation design of safety related structures
- Deep excavation method
- Factors to be considered at construction of foundation for NF.
- Summary

Outline of presentation

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## STTP on Post Covid Challenges in Infrastructure and Environmental Engineering organized by Civil Dept,PHCET (Lockdown activity)

### 12 JUN STTP on "Post Covid Challenges in Infrastructural and Environmental Eng CIVIL STTP, NEWS AND NOTIFICATIONS

PHCET > CIVIL STTP > STTP on "Post Covid Challenges in Infrastructural and Environmental Engineering"

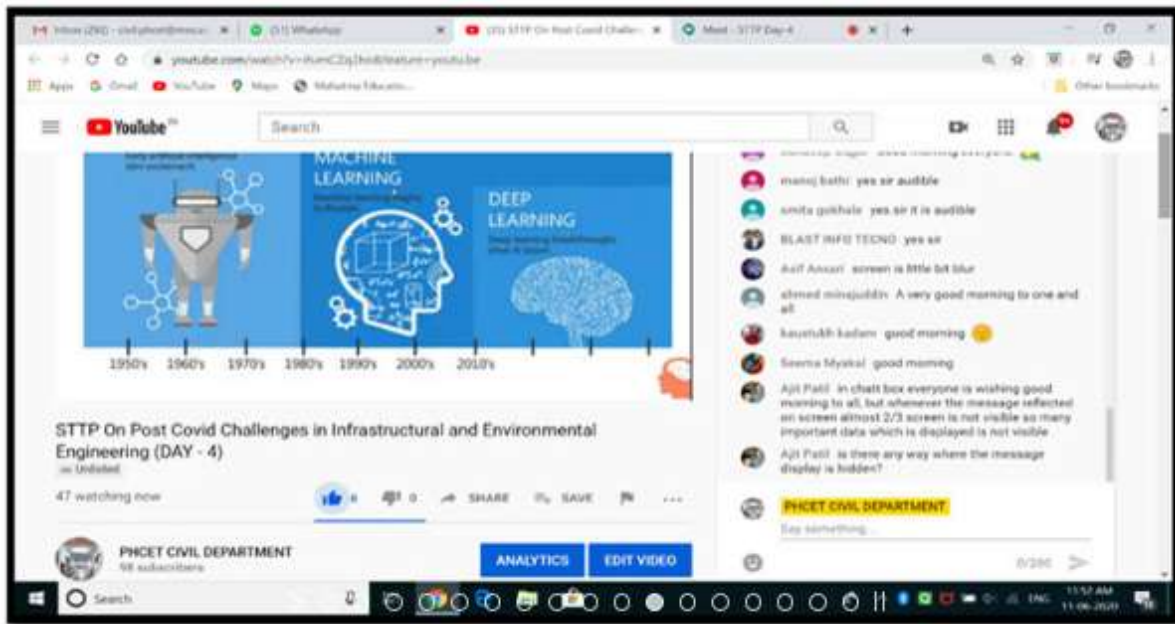
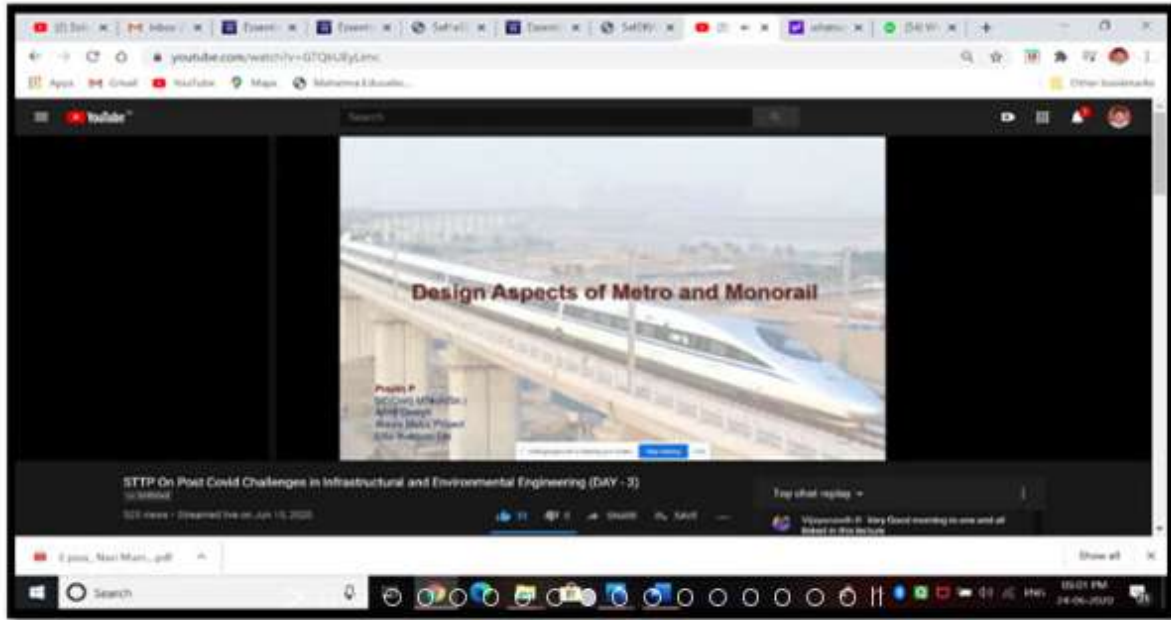
In commemoration of Golden Jubilee year of Mahatma Education Society, Department of Civil Engineering in association with Indian Society of Remote Sensing, Mumbai Chapter, Association of Structural Rehabilitation, Mumbai Chapter and Institution of Engineers, India, Belapur local chapter conducted a Short-Term Training Program on Post Covid Challenges in Infrastructural and Environmental Engineering from 8th to 11th June, 2020. Eminent speakers from academic, various field of civil and construction industry delivered their lecture. Effect of Covid-19 pandemic on construction industry were discussed. More than 500 participants from all over India registered.



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Mohatma Education Society's

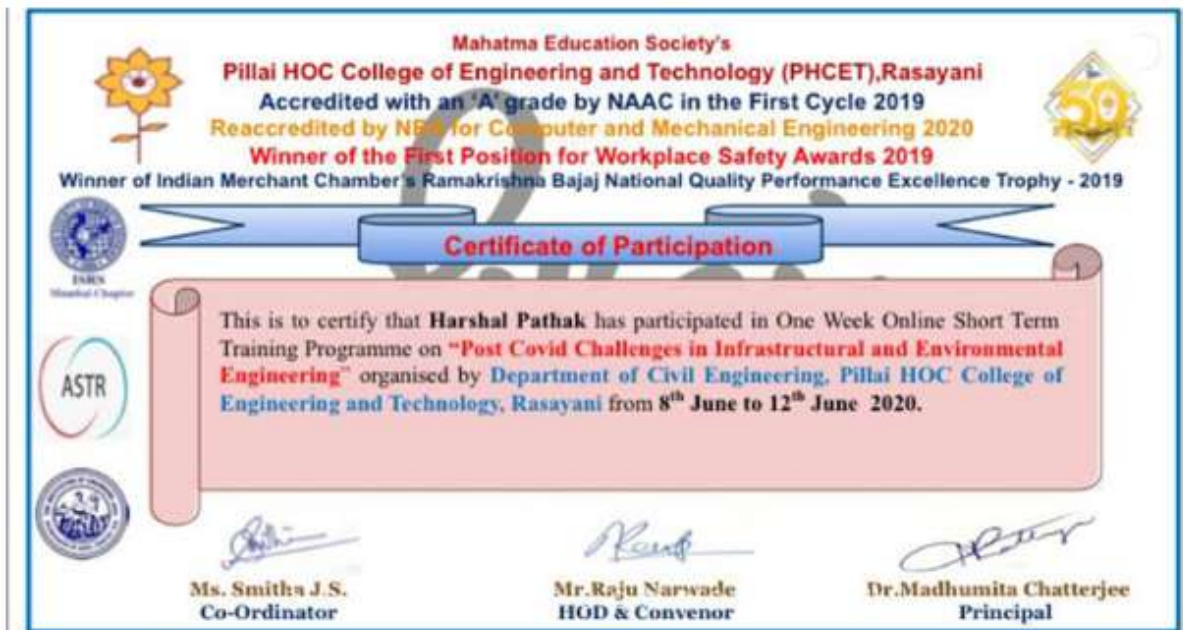
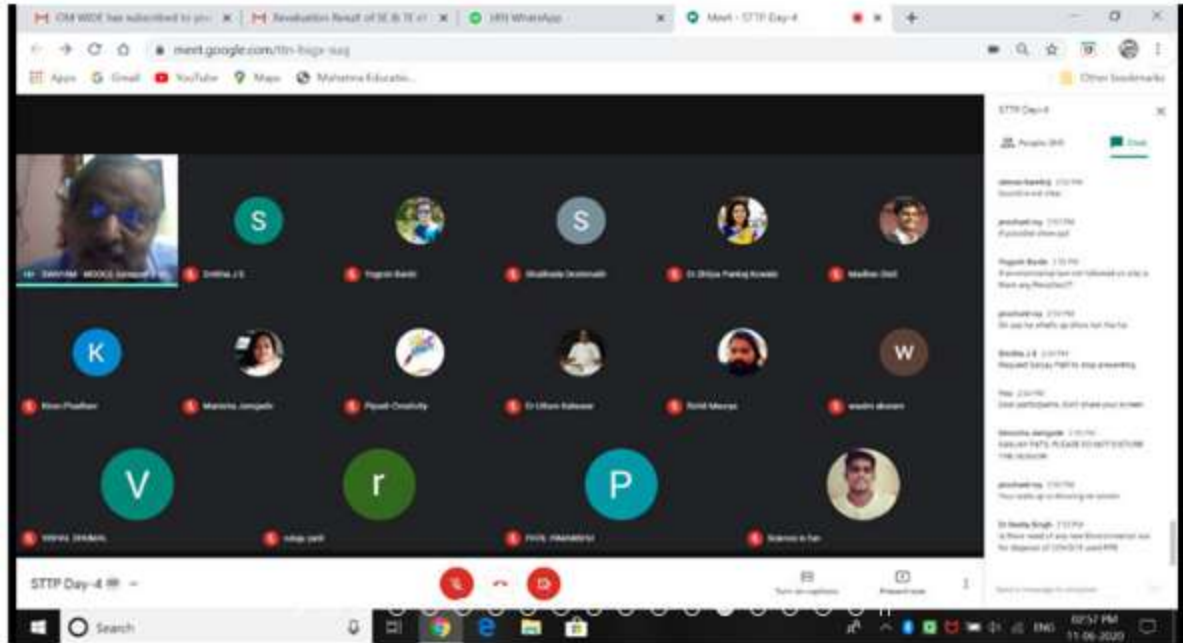
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## Yoga - Affirmation to Train Your Subconscious Mind organized by Department of Civil Engineering,PHCET (Lockdown activity)

27

JUN

### Webinar on "Yoga – Affirmations to Train Your Subconscious Mind"

CIVIL SEMINARS & WORKSHOPS, NEWS AND NOTIFICATIONS

PHCET > Civil Seminars & Workshops > Webinar on "Yoga – Affirmations to Train Your Subconscious Mind"

Department of Civil Engineering conducted Webinar "Yoga – Affirmations to Train Your Subconscious Mind" on 27th June, 2020 at 4:00 p.m. Total 100 participants from Arunachal Pradesh, Telangana, Delhi, Jharkhand, Karnataka, Maharashtra, Tamil Nadu, Gujrat participated in this webinar.

<b>Date</b>	27th June, 2020
<b>Platform</b>	Zoom Cloud Meeting App
<b>Coordinator</b>	Dr. Shilpa Pankaj Kewate
<b>Department</b>	Civil Engineering

The objective of the webinar was to bring out the importance of yoga for emotional balance by giving information about training the subconscious mind. Dr. Rashmi Manjunath Nookala, M.D. (Ayurveda), PGDYTD (Yoga), M.A. in Child Mental Health, Ayurveda and Yoga Consultant, Parivartan Ayuryoga Wellness centre was invited as a resource person. Dr. Rashmi explained the importance of Yoga and its impact on the mind, body and spirit of a human being. She has also explained remedies for personal health problems to the participants. The session concluded with an interactive session between the Dr. Rashmi and the participants in which the queries of the participants were addressed satisfactorily. The session was very refreshing, reviving and relaxing.

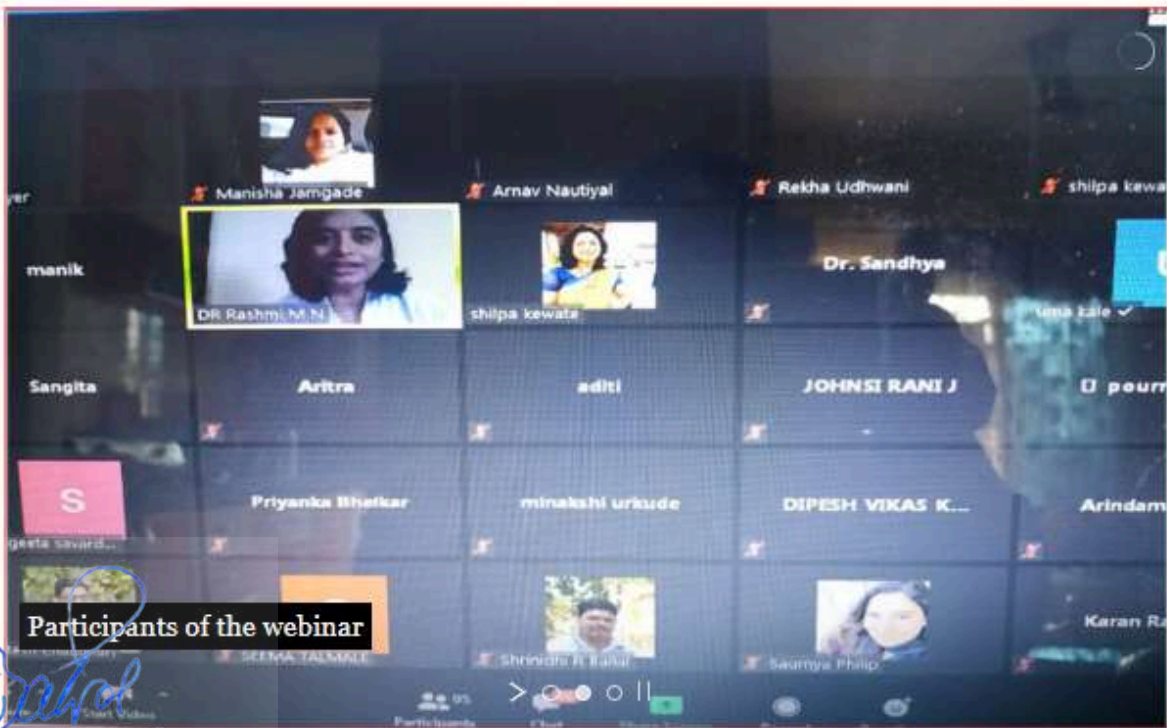
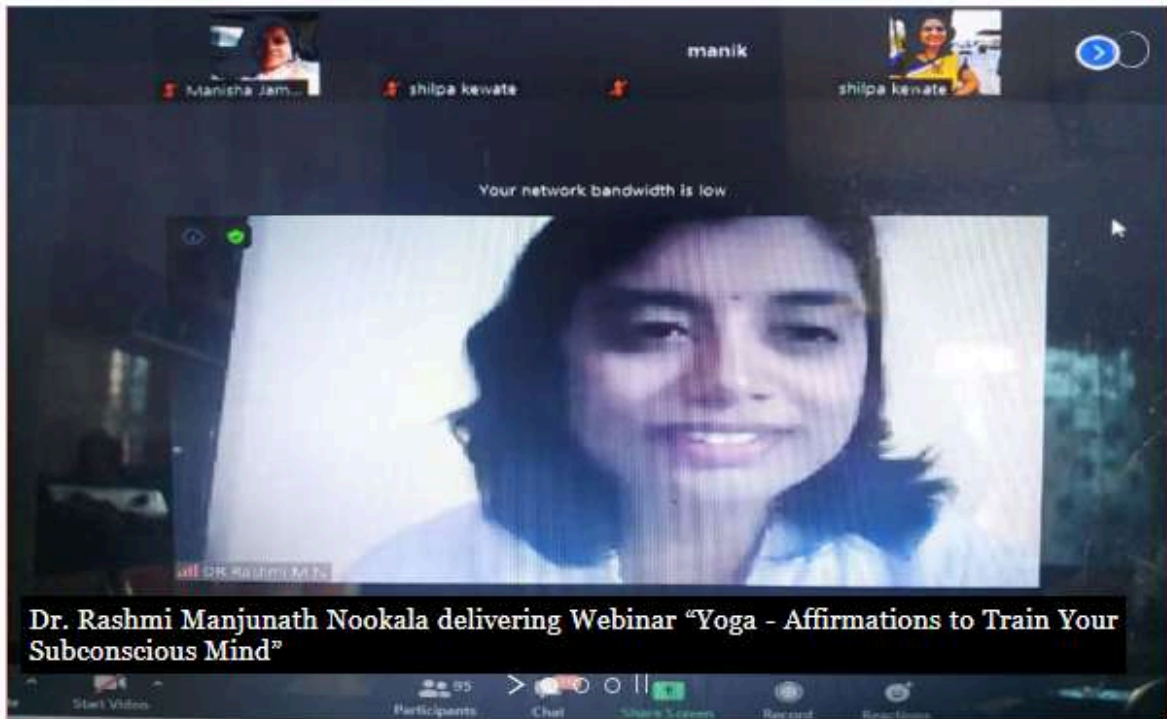


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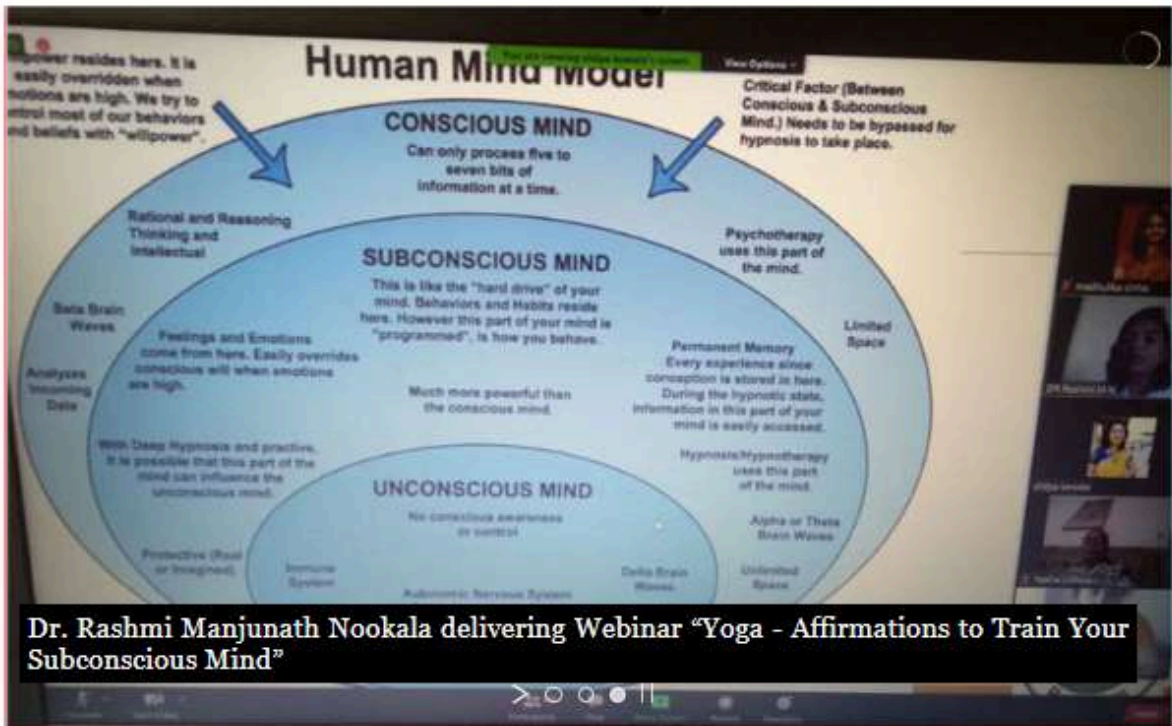
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*S. J. Jadhav*

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*Rashmi*

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