



Department of Applied Science and Humanities

Dr. Pramod B. Patil
Principal

Dr. Pankaj S. Ardak
Head of Dept.

Details of Session conducted in STTP on Creative and Innovative Approaches for Teaching and Learning from 04/10/2021 to 08/10/2021

1. Dr. S. P. Shekhawat, Vice Principal, SSBT'S College of Engineering & Technology Bhambheri, Jalgaon conducted session of "Joy of Teaching" on 04/10/2021.



Zoom Meeting

Dr.Pankaj Ardak

Dr.Pankaj Ardak

Dr.Pramod B Patil

Venkatesh Raju

Kundlik Kshirsagar

SAILEE V SHELKE

Swarnil Dhake

Participants (99)

Q. Find a participant

DA Dr.Pankaj Ardak (Host, me)

Dr.Sanjay Shekhawat

DP Dr.Pramod B Patil

Parth Sonare

Ajaya Mahore

AP Akshay Pundkar

Amol Metangale

Anil Mali

AK Ankita K. Dhamane

ansari awmh

AG Anuradha Gohad

Anuradha Pawar

Archana Mirgane

AM Archana Mourya

AD Ashish Duchakke

Athani A K

Unmute

Start Video

Security

Participants

Chat

Share Screen

Pause/Stop Recording

Reactions

Apps

More

End

Type here to search

31°C Rain showers

16:15

04-10-2021

Zoom Meeting

You are viewing Dr. Sanjay Shekhawat's screen

View Options

Dr.Pankaj Ardak

Kundlik Kshirsagar

SAILEE V SHELKE

Swarnil Dhake

Yogesh Barsod

Participants (97)

Q. Find a participant

DA Dr.Pankaj Ardak (Host, me)

Dr.Sanjay Shekhawat

Ajaya Mahore

AM Amol Metangale

Anil Mali

AK Ankita K. Dhamane

ansari awmh

AG Anuradha Gohad

Archana Mirgane

AM Archana Mourya

AD Ashish Duchakke

BB B BHUVANA

Chandrashekhar Nikam

DS Deepak Shahakar

d Deepmala Desai

DD Dhananjay Dolas

Unmute

Start Video

Security

Participants

Chat

Share Screen

Record

Reactions

Apps

More

End

Type here to search

30°C Rain showers

16:51

04-10-2021

THE JOY OF TEACHING

Role of Research in Teaching:

If we are teaching in a university or an institute of higher learning, teaching and research become **inseparable twins**.

Direct Correlation - Exists between teaching and research. When one is active in research, he/she brings in good examples to class.

The Indirect correlation - When one is active in research, the way he looks at a concept or problem is different from what is given in textbooks, because he has his own perspective. Therefore, the delivery improves and the way in which one's students start thinking is sure to improve.

2. Dr. S. H. Wankhade , Associate Professor, Department of Production Engineering, AISSMS, College of Engineering, Pune delivered session on Creative Pedagogy – A TRIZ way at 05/10/2021.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following content:

- TRIZ way of Creative Pedagogy**
- Creative and Innovative Approaches for Teaching and Learning**
- AICTE - ISTE approved self-finance one week (online) STTP organized by:
- Department of Applied Science and Humanities
- Dr. Rajendra Gode Institute of Technology & Research, Amravati
- Oct 05, 2021
- Dr Sandeep H Wankhade – TRIZ LEVEL 3
- Associate Prof, Dept of Mechanical Engg, AISSMS College of Engg, Pune-1
- Chairman, TRIZ Chapter, TRIZ Association of Asia

The slide also features logos for AISSMS, RGIT, and TRIZ Association of Asia. The Zoom interface shows a top bar with participant names (Dr. Pankaj Ardak, Ankita Raut, Prof. A.D. Nakhale, Sandeep Wankhade, Robili Gupta, Dr. R. K. Kavade) and a right sidebar with a list of 91 participants. The bottom toolbar includes controls for Unmute, Start Video, Security, Participants, Chat, Share Screen, Pause/Stop Recording, Reactions, Apps, and More.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following content:

- How do TRIZ Solve Problems?**
- A diagram illustrating the TRIZ process: A person is shown climbing a staircase labeled "OTSM-TRIZ". At the top of the stairs is a lightbulb icon. A dashed arrow points from the lightbulb to a box labeled "Solution". A vertical bar labeled "Mental Inertia" is positioned between the staircase and the solution box.

The Zoom interface shows a top bar with participant names (Dhananjay Dolas, N R DAGADE, Aniket Pawade, Dr. Mangesh Ph...) and a right sidebar with a list of participants. The bottom toolbar includes controls for Unmute, Start Video, Security, Participants, Chat, Share Screen, Pause/Stop Recording, Reactions, Apps, and More.

Zoom Meeting

You are viewing Sandeep Wankhade's screen

View Options

Participants (100)

Find a participant

DA Dr.Pankaj Ardak (Host, me)

Sandeep Wankhade

Sandeep Wankhade

Ajaj Mahore

AP Akshay Pundkar

Amol Bhoyar

Amol Metangale

AP Aniket Pawade

A Anil Mali

AR Ankita Raut

AA ansari awmh

Anuradha Pawar

AM Archana Mourya

Ashish Choudhary

Chandrashekhar Nikam

DS Deepak Shahakar

Unmute

Start Video

Security

Participants

Chat

Share Screen

Pause/Stop Recording

Reactions


Apps

More

End


00:29:20

Edison and the Perils of Psychological Inertia



Nikola Tesla

- It was sad watching him work knowing that just a little theoretical knowledge and a few calculations could save him at least 30 per cent of his time.



Type here to search

32°C Rain showers

14:16 05-10-2021

Zoom Meeting

You are viewing Sandeep Wankhade's screen

View Options

Participants (99)

Dr.Pankaj Ardak

Atul Ghute

Ankita Raut

Dinesh Gavatri


Anuradha Pawar

Sandeep Wankhade

Original Sound: On

Recording

Theory of Inventive Problem Solving (TRIZ)



Genrich Altshuller (1929-1998)

- After a long-term study of global patent collections, Russian engineer Genrich Altshuller discovered systematic nature of inventive process and founded a new science of innovation: **TRIZ**
- TRIZ stands for a – *"Teoria Reshenia Izobretatelskikh Zadach"*

Unmute

Start Video

Security

Participants

Chat

Share Screen

Pause/Stop Recording

Reactions

Apps

More

End

00:54:51

Type here to search

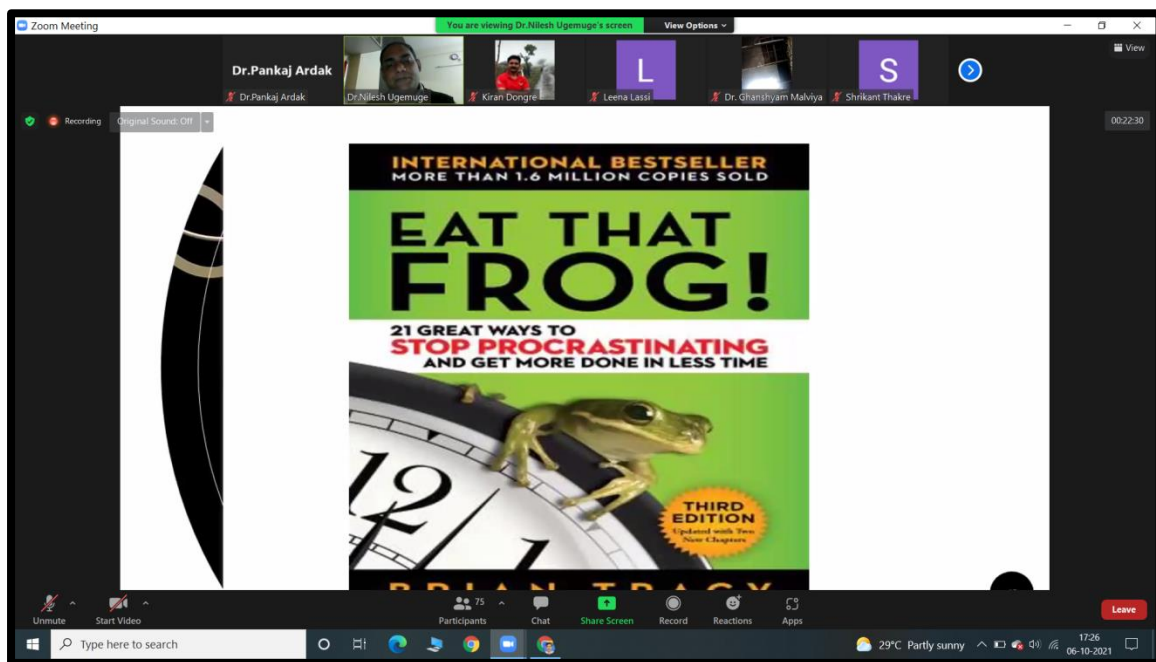
32°C Rain showers

14:42 05-10-2021

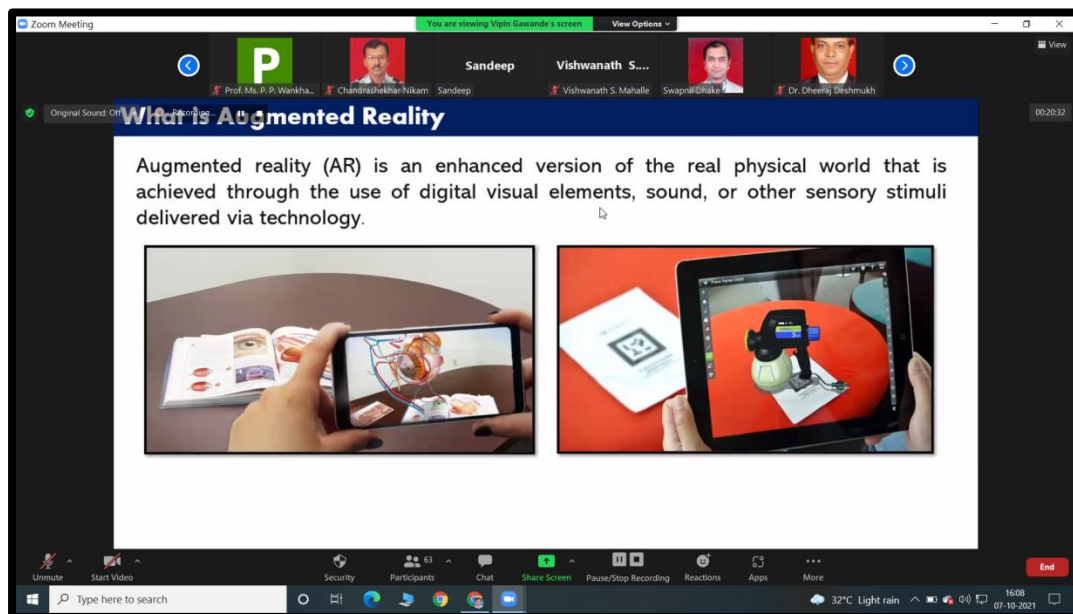
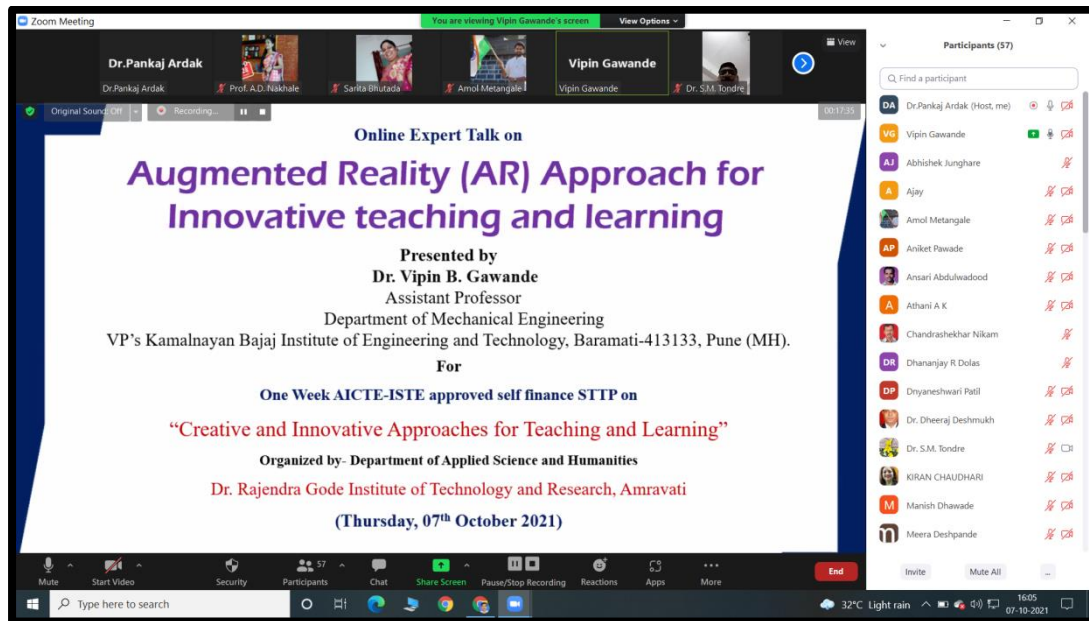
3. Dr. Nitesh S. Ugemuge, Assistant Professor, Department of Physics, ANC, Warora conducted session on “Importance of Ethics in Today's Technology” on 06/10/2021.

The screenshot shows a Zoom meeting interface. At the top, a status bar indicates "You are viewing Dr. Nitesh Ugemuge's screen". Below this, a row of participant names is visible: Dr. Pankaj Ardak, Dr. Nitesh Ugemuge, Shrikant Thakre, Smita Kalmegh, Deepmala Desai, and Nikhil Karale. The main content area displays a presentation slide with the title "What is Ethics?" and the subtitle "Aren't laws meant to guide people's ethical actions?". The slide lists four bullet points: "Laws are formal, written standards" (with sub-points: "Designed to apply to everyone", "Enforced by government agencies", "Interpreted by the courts"), "Impossible to pass laws to cover every possibility", and "Ethics provides a general set of unwritten guidelines." A chat bubble from Anil Mali says "good afternoon". The bottom of the screen shows the Zoom toolbar with icons for Unmute, Start Video, Participants, Chat, Share Screen, Record, Reactions, and Apps. The system tray at the very bottom shows the date and time as 16:34 on 06-10-2021.

The screenshot shows a Zoom meeting interface. At the top, a status bar indicates "You are viewing Dr. Nitesh Ugemuge's screen". Below this, a row of participant names is visible: Dr. Pankaj Ardak, Dr. Nitesh Ugemuge, Shrikant Thakre, Kiran Dongre, Ajay, and Prof. Ankita Raut. The main content area displays a presentation slide with the title "Importance of Ethics in Today's Technology". The slide identifies the speaker as "DR. NILESH S. UGEMUGE", a "Ph.D.(Physics).Ph.D.(Management)", "Corporate Trainer | IPR Consultant | Certified Trainer with Skill India", and "Assistant Professor, Department of Physics, Anand Niketan College, Anandwan, Warora." It also provides contact information: "Mob.9175786330|Email:nileshugemuge@gmail.com". A small circular image of a desk with a laptop and a cup is shown on the right side of the slide. A small portrait of Boba Amle is visible in the bottom left corner of the slide. The right side of the screen shows a list of 70 participants, including Dr. Pankaj Ardak (Me), Dr. Nitesh Ugemuge (Host), Shrikant Thakre, and many others. The bottom of the screen shows the Zoom toolbar and the system tray, which displays the date and time as 16:11 on 06-10-2021.



4. Dr. Vipin B. Gawande , Assistant Professor, Department of Mechanical Engineering, Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering, Baramati conducted session on “Augmented Reality (AR) Approach for Innovative Teaching and Learning” on 07/10/2021.



Zoom Meeting | You are viewing Vipin Gawande's screen | View Options

Dr.Pankaj Ardak | Prof.A.D.Nakhale | Sarita Ghutade | Amol Metangale | Vipin Gawande | Dr.S.M.Tondre

Original Sound: Off | Recording... | 00:18:33

History of Augmented Reality

The term 'augmented reality' was coined by Thomas Zimmerman in 1990. It is a technology that superimposes digital information onto the real world. The history of AR is marked by several key milestones:

- 1966:** Ivan Sutherland created the first head-mounted display (HMD) called the Sutherland Telescope. It allowed users to see a 3D wireframe model of a cube.
- 1974:** Myron Krupar developed the first AR system called the 'Sight' system. It used a video camera to capture the real world and a computer to overlay digital information.
- 1990:** Thomas Zimmerman coined the term 'augmented reality' and published the first paper on the subject. He also developed the first AR system called the 'The Cave' system.
- 1992:** Michael Heimann developed the first AR system called the 'The Cave' system. It used a video camera to capture the real world and a computer to overlay digital information.
- 1994:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 1998:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2000:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2003:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2009:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2013:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2014:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2016:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2017:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.
- 2020:** AR was used for the first time in a commercial application. It was used in the 'The Cave' system to display 3D models of a car.

Participants (55)

Find a participant

- Dr.Pankaj Ardak (Host, me)
- Vipin Gawande
- Abhishek Junghe
- Ajay
- Amol Metangale
- Aniket Pawade
- Ansari Abdulwadood
- Athani A K
- Chandrashekar Nikam
- Dhananjay R Dolas
- Dnyaneshwari Patil
- Dr.Dheeraj Deshmukh
- Dr.S.M.Tondre
- KIRAN CHAUDHARI
- Manish Dhawade
- Meera Deshpande

Unmute | Start Video | Security | Participants | Chat | Share Screen | Pause/Stop Recording | Reactions | Apps | More | End

Type here to search

32°C Light rain | 16:06 | 07-10-2021

Zoom Meeting | You are viewing Vipin Gawande's screen | View Options

Sandeep | Vishwanath S... | Swapnil Chikale | Dr.Dheeraj Deshmukh

Original Sound: Off | Recording... | 00:26:59

Applications

Unmute | Start Video | Security | Participants | Chat | Share Screen | Pause/Stop Recording | Reactions | Apps | More | End

Type here to search

32°C Light rain | 16:15 | 07-10-2021

5. Dr. D. V. Shirbhate, Principal, Vikramshila Polytechnic, Darapur delivered session on Educational Multimedia and VR for Teaching and Learning on 08/10/2021

Zoom Meeting

You are viewing Dr.Dipak shirbhate's screen

Dr.Pankaj Ardak

PRIYA SHINDE

Dr.Manjusha R...

Dr. R. K. Kavade

Participants (66)

Q Find a participant

DA Dr.Pankaj Ardak (Host, me)

DS Dr.Dipak shirbhate

AJ Abhishek Junghare

A Ajay

Amol Metangale

ansari awmh

AM Archana Mourya

Atul Ghute

Chandrashekhhar Nikam

Deepak Shahakar

d Deepmala Desai

DR Dhananjay R Dolas

DP Dnyaneshwari Patil

DA Dr. Amita Pal

Dr. Ghanshyam Malviya

DM Dr. Mangesh Phate

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Reactions Apps More End

Type here to search

32°C Light rain 16:16 08-10-2021

DR. RAJENDRA GODE INSTITUTE OF TECHNOLOGY & RESEARCH, AMRAVATI

DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES

AICTE - ISTE approved self-finance One week (online) Short Term Training Programme

CREATIVE AND INNOVATIVE APPROACHES FOR TEACHING AND LEARNING

04/10/2021 to 08/10/2021

Zoom Meeting

You are viewing Dr.Dipak shirbhate's screen

Dr.Pankaj Ardak

PRIYA SHINDE

Dr.Manjusha R...

Dr. R. K. Kavade

Participants (83)

Q Find a participant

DA Dr.Pankaj Ardak (Host, me)

DS Dr.Dipak shirbhate

AJ Abhishek Junghare

A Ajay

Amol Metangale

Amol shelke

Anil Mali

ansari awmh

AM Archana Mourya

AK Ashish Kadu

Atul Ghute

Chandrashekhhar Nikam

Deepak Shahakar

Deepashree Deshmukh-Jadhav

d Deepmala Desai

DR Dhananjay R Dolas

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Reactions Apps More End

Type here to search

32°C Light rain 16:29 08-10-2021

HYDRAULICS AND PNEUMATICS (01_P03).wmf

Cylinder

Direction Control Valve

Pressure Regulating Valve

Pressure Gauge

Separator

Start

FINAL YEAR PROJECT WORK UNDERTAKEN IN YEAR YEAR 2003

11 Hydraulic circuits and 15 Pneumatic Circuits were covered

Zoom Meeting

You are viewing Dr.Dipak shirbhate's screen

View Options

Dr.Pankaj Ardak Dr.Dipak shirbhate PRIYA SHINDE Dr.Manjusha R... Dr. R. K. Kavade Meena S...

Original Sound: Off Recording

Untitled Document

EDUCATION MULTIMEDIA ON MACHINE TOOL CONTROL

Enter To Login

PROJECT SUBMITTED BY :-

A. R. SATHI A. R. KALANTRI A. M. KORDE A. S. MANVAR G. M. KOTHIARI

PROJECT GUIDE :-

EXPERT GUIDE :-

FINAL YEAR PROJECT WORK UNDERTAKEN IN YEAR YEAR 2003

11 Hydraulic circuits and 15 Pneumatic Circuits were covered

Participants (82)

Q. Find a participant

DA Dr.Pankaj Ardak (Host, me) DS Dr.Dipak shirbhate AB Abhishek Junghare AJ Ajay AM Amol Metangale AS Amol shelke AN Anil Mali AA ansari aamh AR Archana Mourya AK Ashish Kadu AT Atul Ghute CH Chandrashekar Nikam DS Deepak Shahakar DS Deepashree Deshmukh-Jadhav DD Deepmala Desai DR Dhananjay R. Dolas

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Reactions Apps More

Type here to search

32°C Light rain 16:29 08-10-2021

Zoom Meeting

You are viewing Dr.Dipak shirbhate's screen

View Options

Dr.Pankaj Ardak Dr.Dipak shirbhate PRIYA SHINDE Dr.Manjusha R... Dr. R. K. Kavade Meena S...

Original Sound: Off Recording

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- Developed in self-learning mode.
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- Over 100 Virtual Labs have already been developed.

Physical Distances Limit Doing Experiments

08-10-2021 13

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32°C Light rain 16:40 08-10-2021

Dr.P.S.Ardak