	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/R/004C **Revision: 00**	**DoI: 02/01/2023**
Event Report		

Name of Event: ISTE STTP on Generative AI for AR & VR
Date of Event: 24th July, 2024
Event Coordinators: Artificial Intelligence & Data Science Department
Name of resources person/ Speaker:

1. Prof. Ramesh Adavi (Adjunct Faculty, AI & DS, APCOER, Pune)
2. Prof. Sneha Salvekar (HOD, AI & DS Department, APCOER, Pune)

Brief Introduction of Resource Person/Speaker:

Prof. Ramesh Adavi is an esteemed Adjunct Professor in the AI & DS Department at ABMSP's Anantrao Pawar College of Engineering & Research (APCOER). He has a robust academic background with a B. Tech from IIT-Bombay and a PGDM from IIM-Bangalore. Prof. Adavi brings a wealth of knowledge to his students, supported by his impressive career spanning 10 years in teaching and 28 years in the industry. His expertise lies in Machine Learning, Artificial Intelligence, and Deep Learning, areas in which he is recognized as a specialist. His extensive experience and deep understanding of advanced technologies make him a significant contributor to both the academic and professional communities.

Prof. Sneha Salvekar is the Head of the Department of Artificial Intelligence and Data Science (AI & DS) at ABMSP's Anantrao Pawar College of Engineering & Research (APCOER) in Pune. She holds a Master's degree in Microwave Engineering and is currently pursuing her Ph.D. Prof. Salvekar's areas of interest include Biomedical Signal Processing, Microwave Engineering, Artificial Intelligence, and Data Science.

With 8.5 years of teaching experience and six months of industry experience, she brings a wealth of knowledge and practical insights to her students. Prof. Salvekar is actively involved in research and development, focusing on innovative solutions within her fields of expertise. Her leadership in the AI & DS department contributes significantly to advancing the curriculum and fostering an environment conducive to learning and innovation.

Target Audience with count: 65

Brief Description of Event:

The One week Short Term Training Programme on “Generative AI for AR and VR”, organized by Artificial Intelligence & Data Science Department, Akhil Bhartiya Maratha Shikshan Parishad, Anantrao Pawar College of Engineering and Research, Pune, In Association with the Indian Society for Technical Education (ISTE). The program was conducted from 24th June, 2024 to 28th June, 2024 via online mode.

The ISTE STTP on "Generative AI for AR and VR” commenced with a ceremonial inauguration by Hon. Principal Dr. S.B Thakare & Prof. Sneha Salvekar the Head of the Artificial Intelligence & Data Science Department, at 10:00 AM. Prof. Sneha Salvekar provided a comprehensive overview of the five-day program, highlighting its significance in addressing contemporary challenges and exploring future prospects in the field of Artificial Intelligence. Following the inaugural address, Prof.Appasab Salunke, Assistant Professor in the Artificial Intelligence & Data Science Department, delivered a warm welcome speech, setting the tone for the informative sessions ahead.

Throughout the event, a total of 65 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Generative AI for AR and VR, including AR & VR, the overview and architecture of Generative AI and encoders and variational encoders. Training includes GAN architecture and visualization Techniques. Role of Generative AI in AR and VR. It will be elaborated in details with its usage and comparative analysis of Generative, conventional and Predictive AI. Here we also discuss the applications of AR and VR and modeling 3D object using Blender with its Hands-on Implementation.

Session 1:

Time: 11:00 am – 1:00 pm

Module Name: Inauguration and Overview and Architecture of Generative AI.

Speaker: Prof.Ramesh Adavi (Adjunct Faculty, AI & DS Department, APCOER, Pune)

Content:

Prof. Ramesh Adavi began the session by inaugurating the event and structured his session around an overview of Generative AI, its architecture, applications, and prospects.

Prof. Ramesh Adavi's lecture was deep and full of insights, ranging from generative AI to architecture, applications, challenges, and prospects in the future. His presentation underlined that there is huge potential for generative AI to really transform industries and society but also urged a look at ethical and technical challenges.

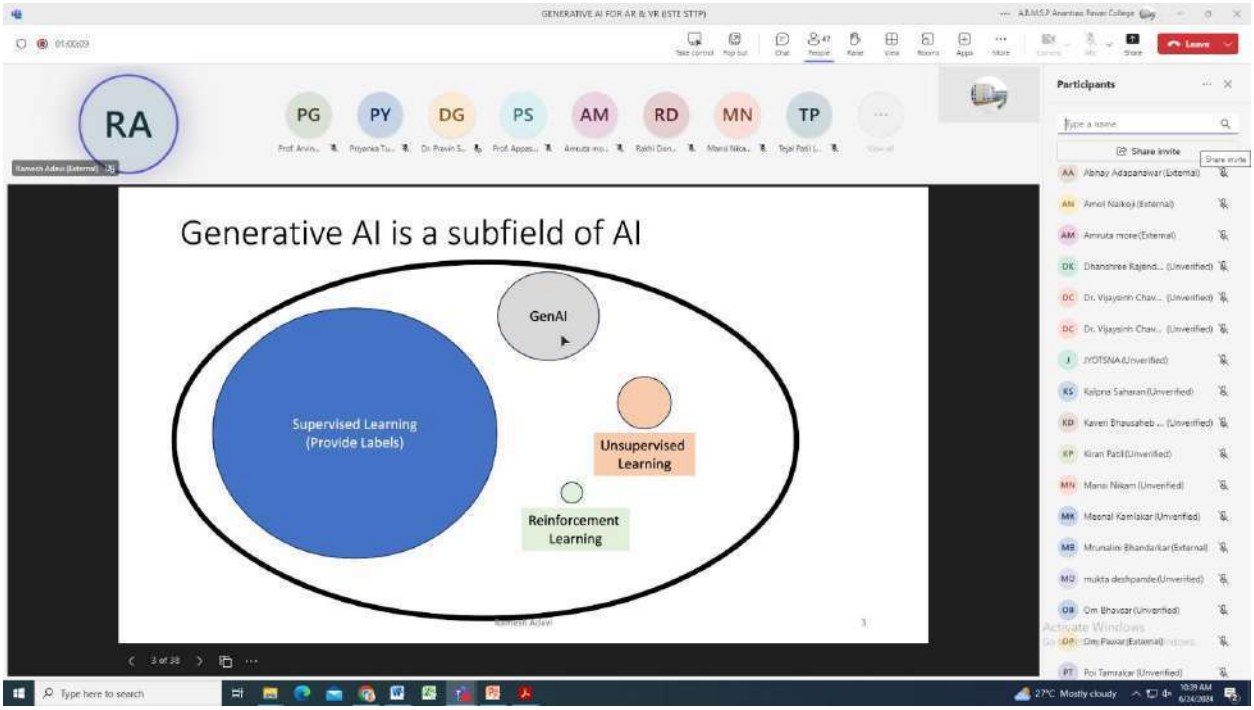

Fig1: Day1_Session1_Generative AI

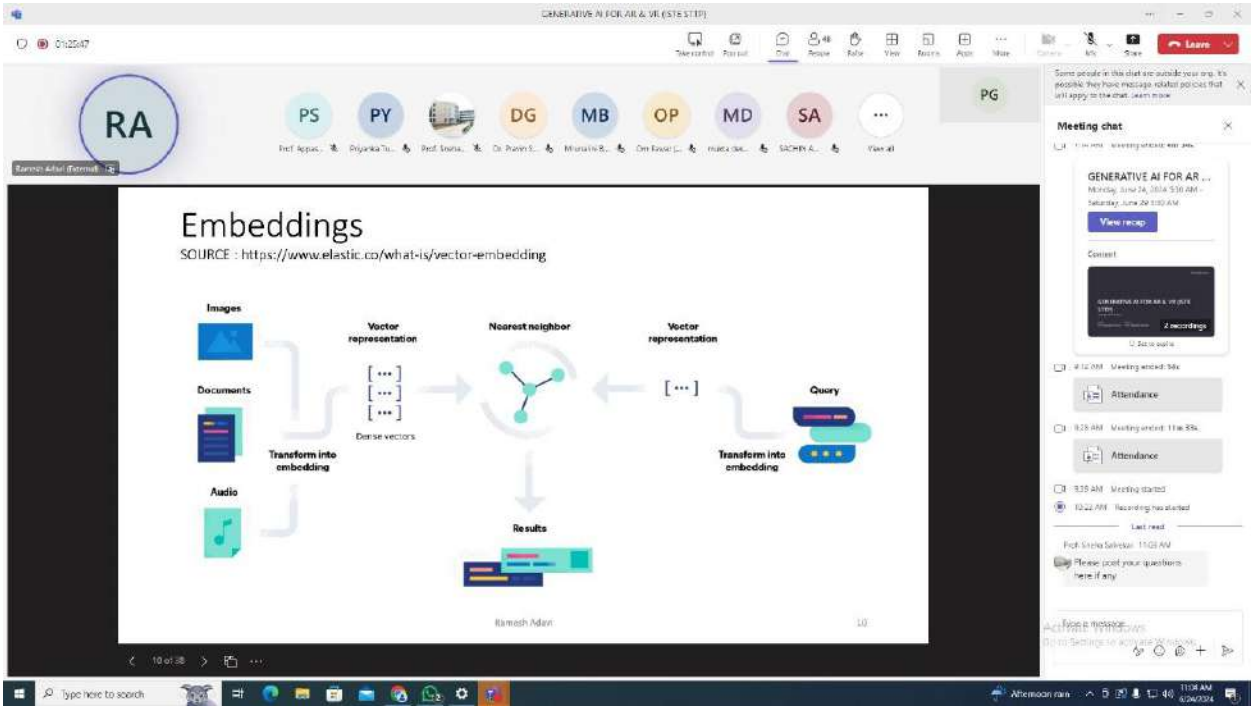

Fig2: Day1_Session_GEN_AI Embedding

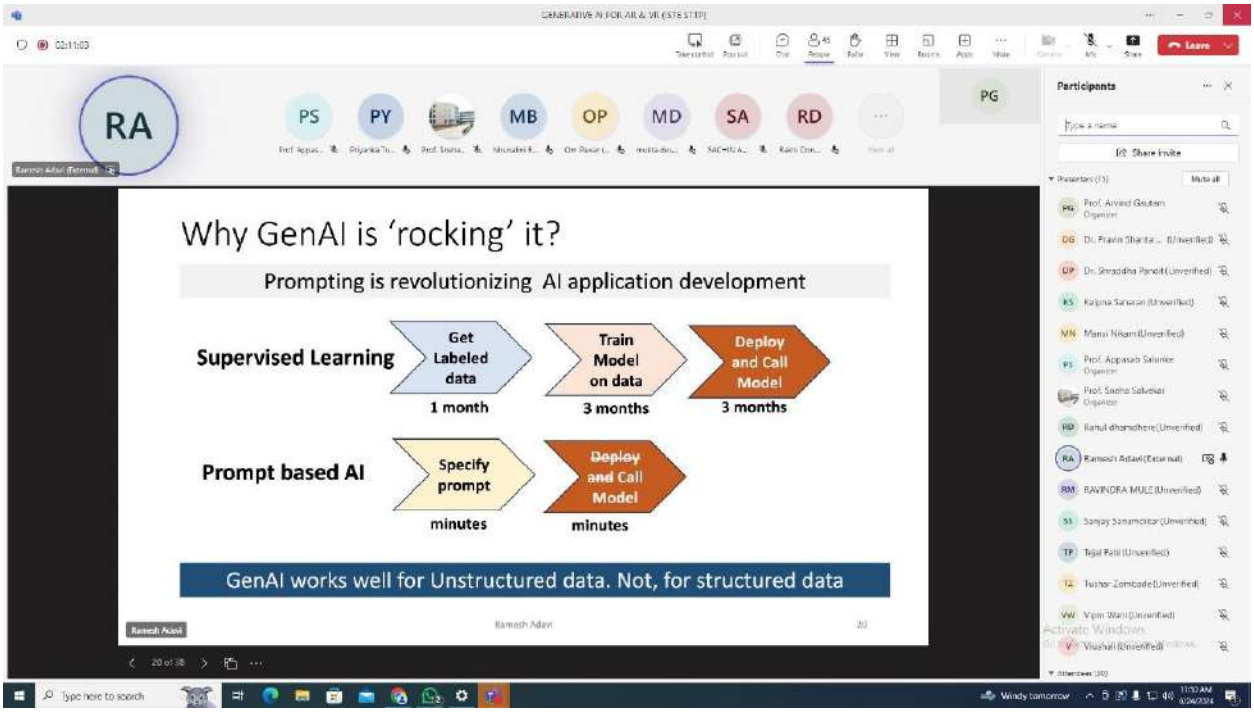

Fig3: Day1_Session1_Why GEN AI is rocking?

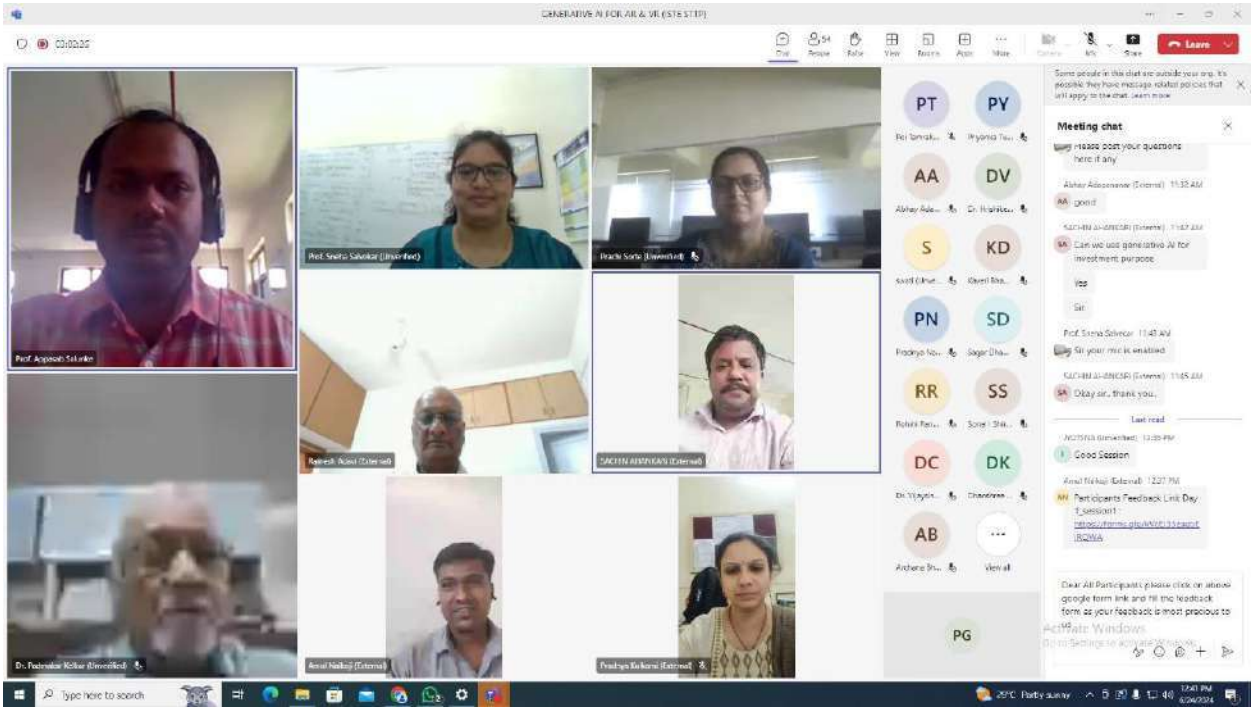

Fig4: Day1_Session_All Participants with Session Expert (Prof. Ramesh Adavi)

Session 2:
Time: 2:00 pm – 4:00 pm
Module Name: GEN_AI: How it's revolutionizing the world
Speaker: Prof. Sneha Salvekar (HOD, AI & DS Department, APCOER, Pune)
Content:
Professor Sneha Salvekar's lecture focused on the transformative impact of Generative AI (GEN_AI) across various domains. The lecture provided insights into the fundamental concepts of GEN_AI, its applications, and how it is revolutionizing the world.

Professor Sneha Salvekar, shared the impact GEN_AI is making on creative arts and other industries like healthcare. The much she explained in this lecture was raising awareness regarding ethical concerns and guaranteeing the responsible usage of AI technologies. If the trajectory so far is any indication of what is to come, further evolving GEN_AI will provide massive opportunities for innovation and problem-solving by the fullness of its ability to successfully execute tasks previously considered impossible or extremely difficult.

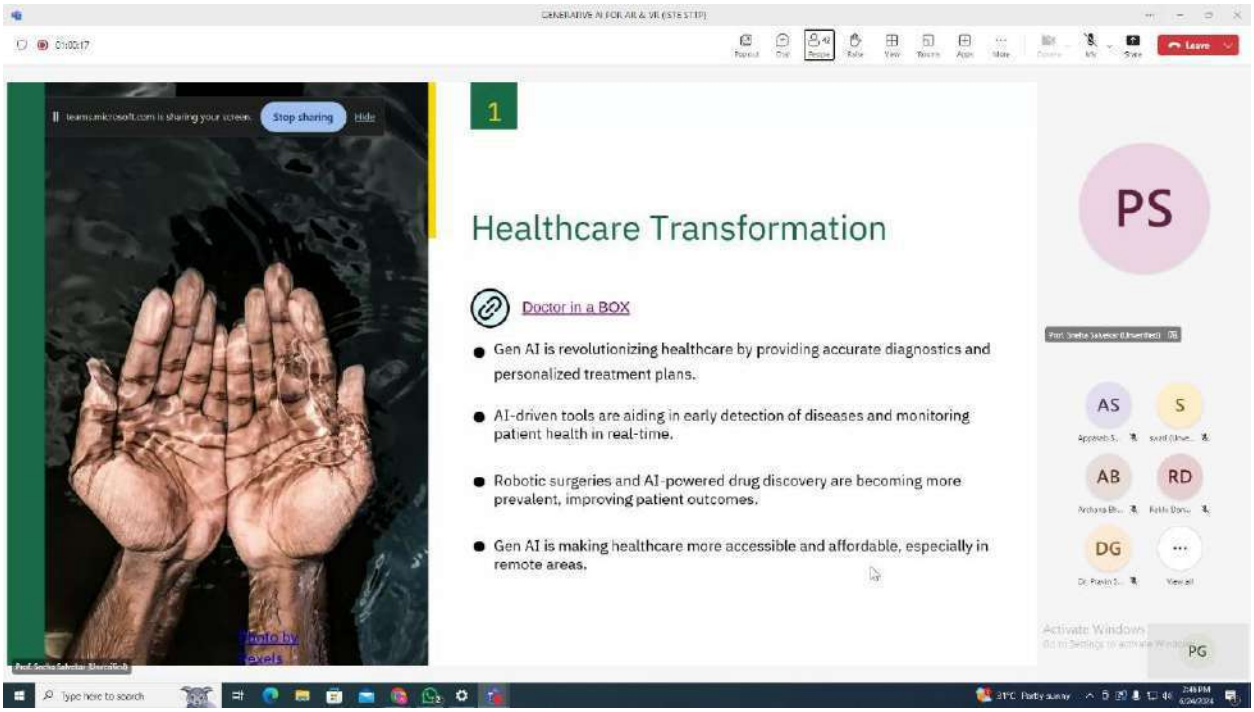

Fig1: Day1_Session2_Healthcare Transformation in AI

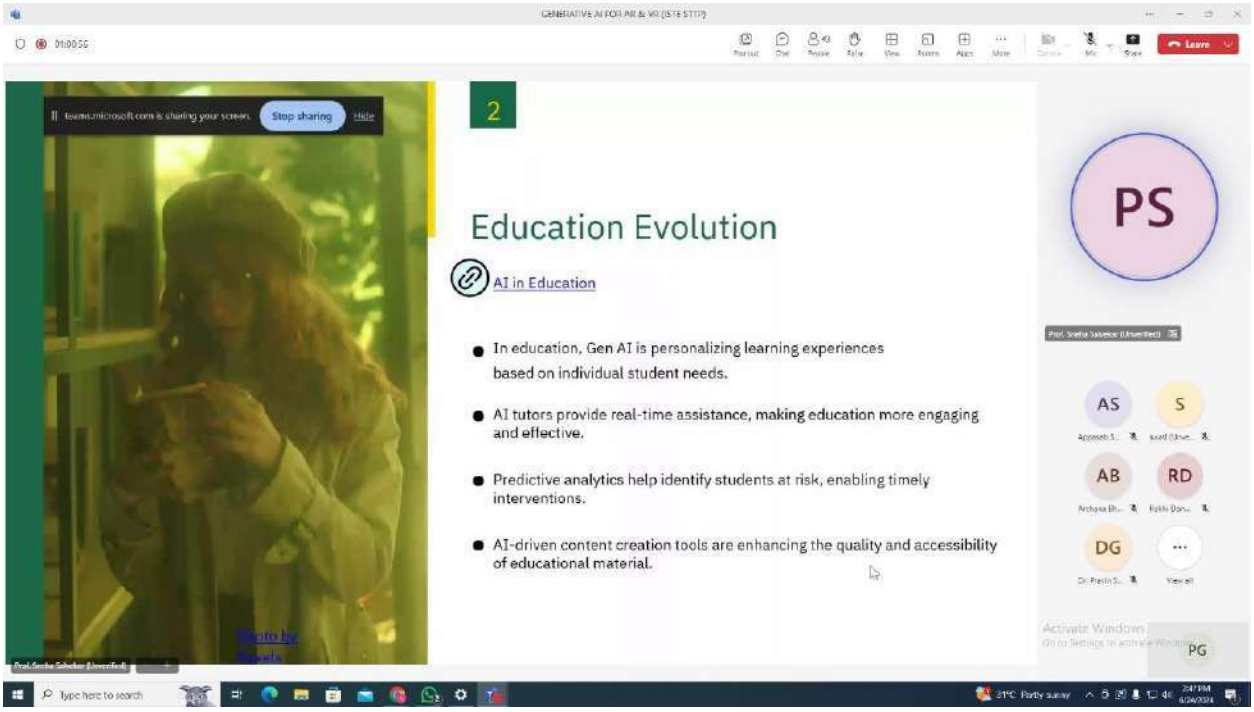

Fig2: Day1_Session2_Education Evolution

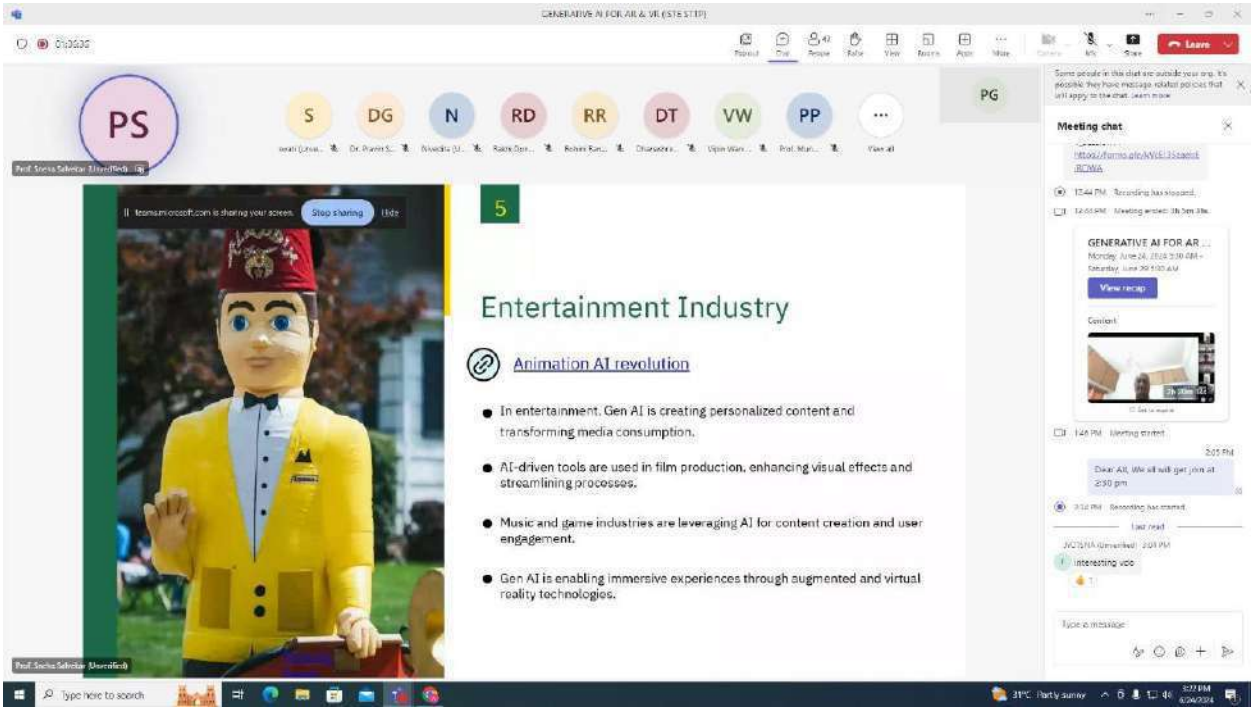

Fig3: Day1_Session2_Entertainment Industry

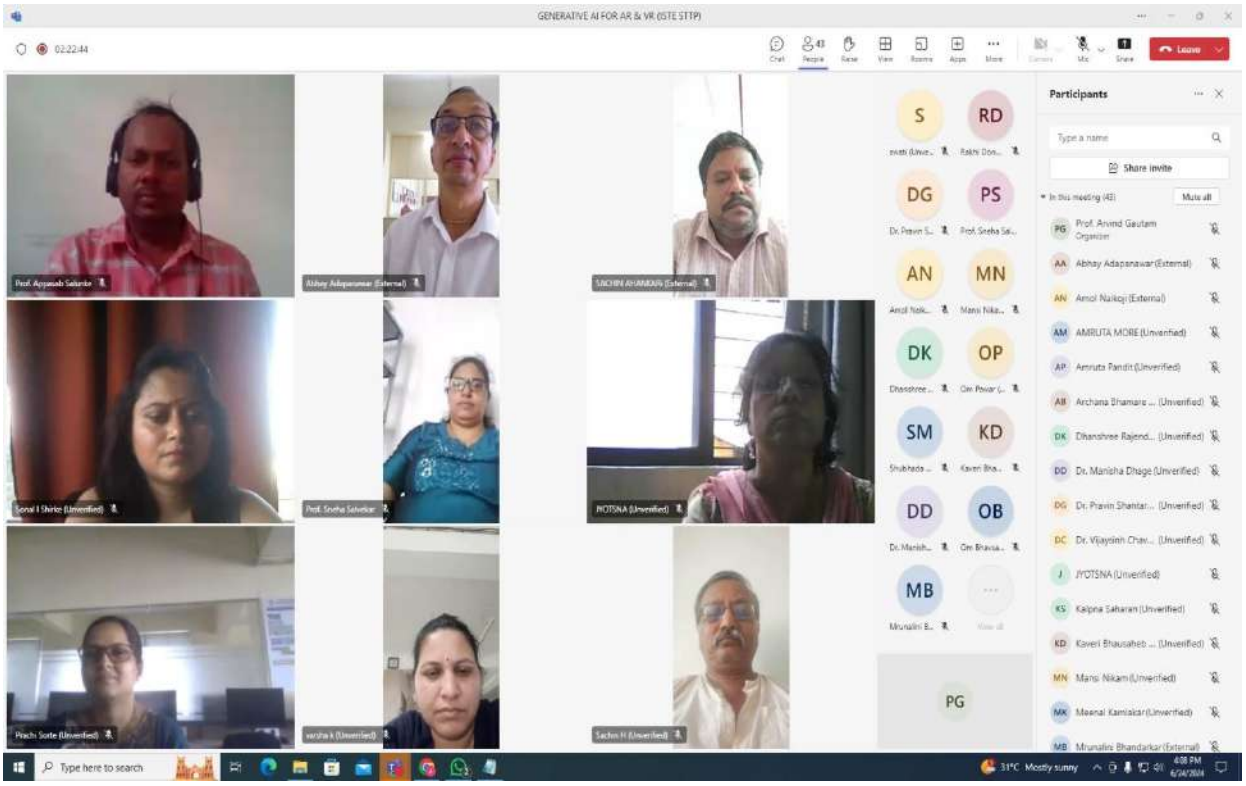

Fig4: Day1_Session2_ Participants with Session Expert (Prof.Sneha Salvekar)

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/R/004C **Revision: 00**	**DoI: 02/01/2023**
Event Report		

Name of Event: ISTE STTP on Generative AI for AR & VR
Date of Event: 25th July, 2024
Event Coordinators: Artificial Intelligence & Data Science Department
Name of resources person/ Speaker:

1. Prof. Rashmi Tudalwar, Assistant Professor, MIT ADT Lonikalbhor
2. Dr.Rajiv Bhandari, Head, AI & DS, SNJB's Late Sau. Kantabai Bhavarlalji Jain College of Engineering

Brief Introduction of Resource Person/Speaker:

Prof. Rashmi Tundalwar is an accomplished Assistant Professor at MIT College in Loni Kalbhor. She holds an ME in Computer Engineering from Savitribai Phule Pune University, earned in December 2014 with First Class honors. Additionally, she has a Bachelor's degree in Computer Engineering from Amravati University, Babasaheb Naik College of Engineering, Pusad, graduating with a First Class (71.78%) and an Aggregate First Class (66%) in May 2009.

Her professional accolades include being awarded the Uttam Adhyapika Award at the All India Level. Furthermore, she is the author of the book "Reinforcement Learning," which is used at Mumbai University. Rashmi Tundalwar's academic and professional accomplishments reflect her dedication and expertise in the field of computer engineering.

Dr. Rajiv Bhandari is the Head of the Department of Artificial Intelligence and Data Science at SNJB's Late Sau. Kantabai Bhavarlalji Jain College of Engineering in Chandwad, Nashik. He is responsible for overseeing the academic and research activities of the department, ensuring the curriculum stays current with the latest advancements in AI and Data Science. Dr. Bhandari's role involves guiding both faculty and students in their academic pursuits and research projects, fostering an environment of innovation and excellence.

Under his leadership, the AI & DS department at SNJB's College of Engineering focuses on imparting quality technical education and preparing students for diverse career opportunities in the rapidly evolving field of artificial intelligence. Dr. Bhandari's extensive knowledge and expertise contribute significantly to the department's mission of bridging the gap between theoretical knowledge and practical applications in technology.

Target Audience with count: 65

Brief Description of Event:

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The ISTE STTP on "Generative AI for AR and VR” commenced with a ceremonial inauguration by Hon. Principal Dr. S.B Thakare & Prof. Sneha Salvekar the Head of the Artificial Intelligence & Data Science Department, at 10:00 AM. Prof. Sneha Salvekar provided a comprehensive overview of the five-day program, highlighting its significance in addressing contemporary challenges and exploring future prospects in the field of Artificial Intelligence. Following the inaugural address, Prof.Appasab Salunke, Assistant Professor in the Artificial Intelligence & Data Science Department, delivered a warm welcome speech, setting the tone for the informative sessions ahead.

Throughout the event, a total of 65 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Generative AI for AR and VR, including AR & VR, the overview and architecture of Generative AI and encoders and variational encoders. Training includes GAN architecture and visualization Techniques. Role of Generative AI in AR and VR. It will be elaborated in details with its usage and comparative analysis of Generative, conventional and Predictive AI. Here we also discuss the applications of AR and VR and modeling 3D object using Blender with its Hands-on Implementation.

Day2 Session 1:

Time: 11:00 am – 1:00 pm

Module Name: Overview of Visualization Techniques for Augmented Reality and Virtual Reality

Speaker: Prof. Rashmi Tudalwar, Assistant Professor, MIT ADT Lonikalbhor

Content:

Prof. Rashmi Tundalwar delivered an insightful lecture on the topic "Overview of Visualization Techniques for Augmented Reality (AR) and Virtual Reality (VR)." The lecture aimed to provide a comprehensive understanding of the visualization methods employed in AR and VR applications, highlighting their significance, current trends, and future prospects.

Prof. Rashmi Tundalwar's lecture provided a thorough overview of visualization techniques for AR and VR, emphasizing their importance and potential. The session concluded with a Q&A segment, where Professor Tundalwar addressed queries from the audience, fostering a deeper understanding of the subject

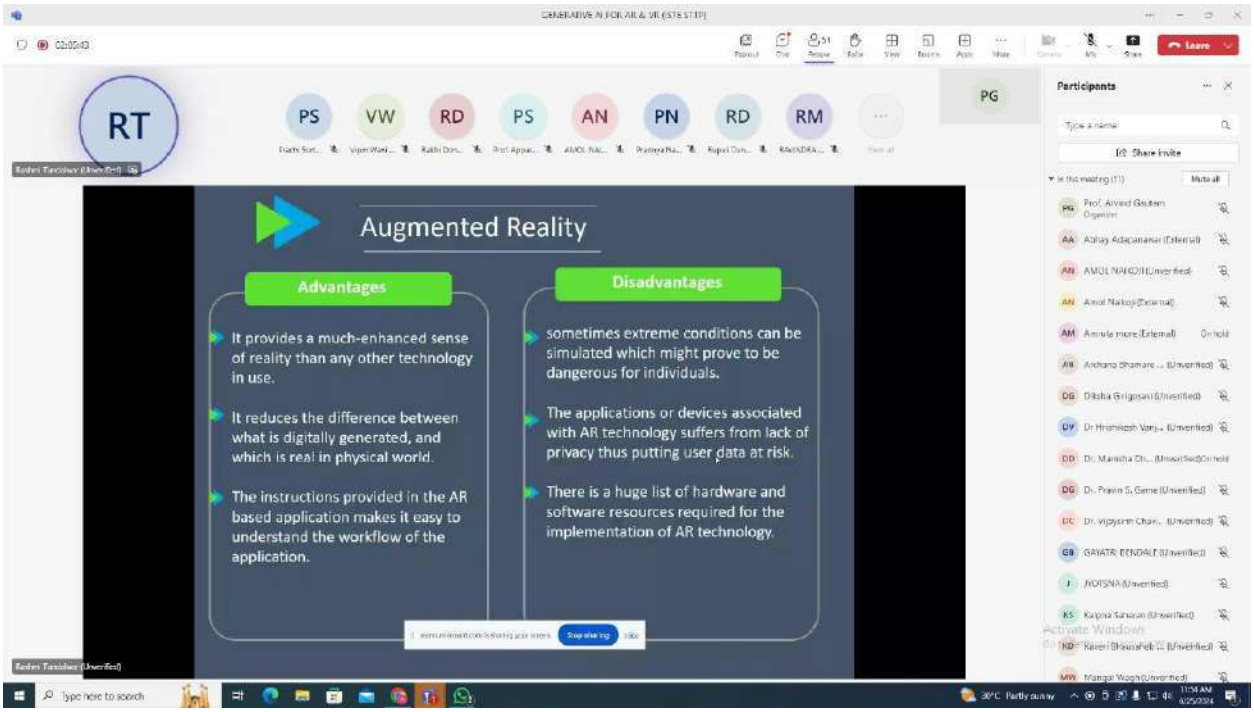

Fig1: Day2_Session1_GEN_AI Augmented Reality (AR)

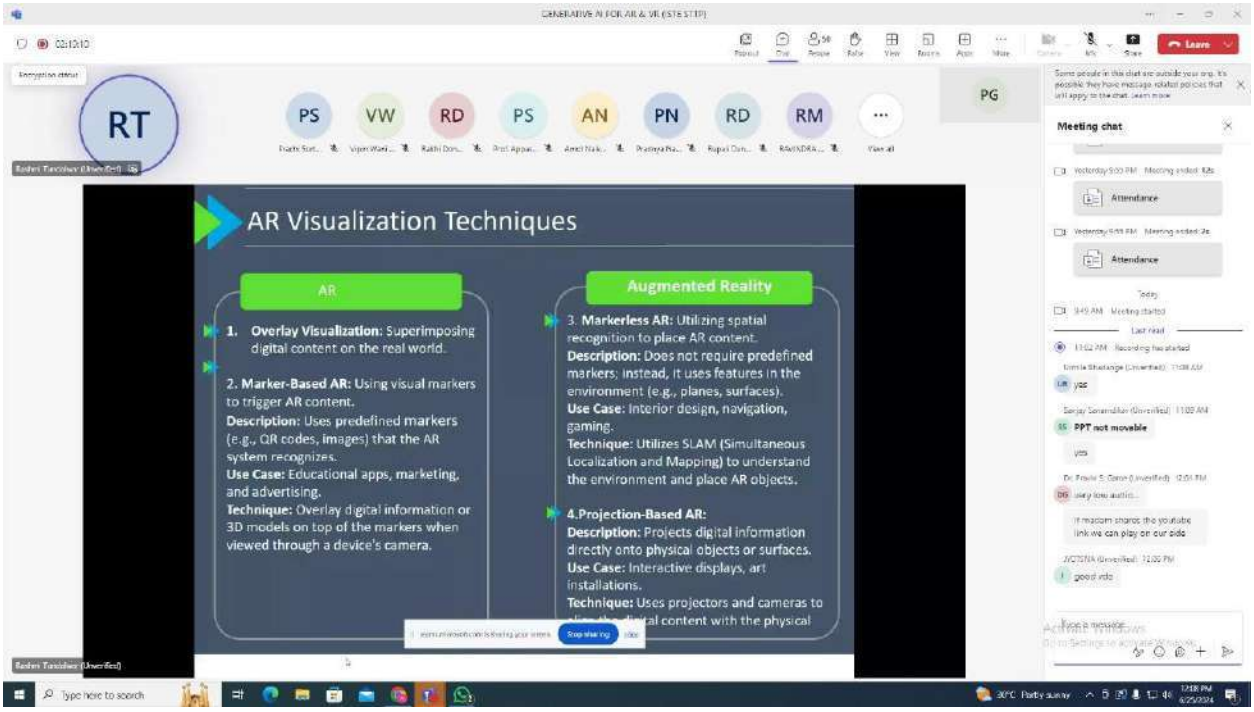

Fig2: Day2_Session1_GEN_AI AR Visualization Techniques

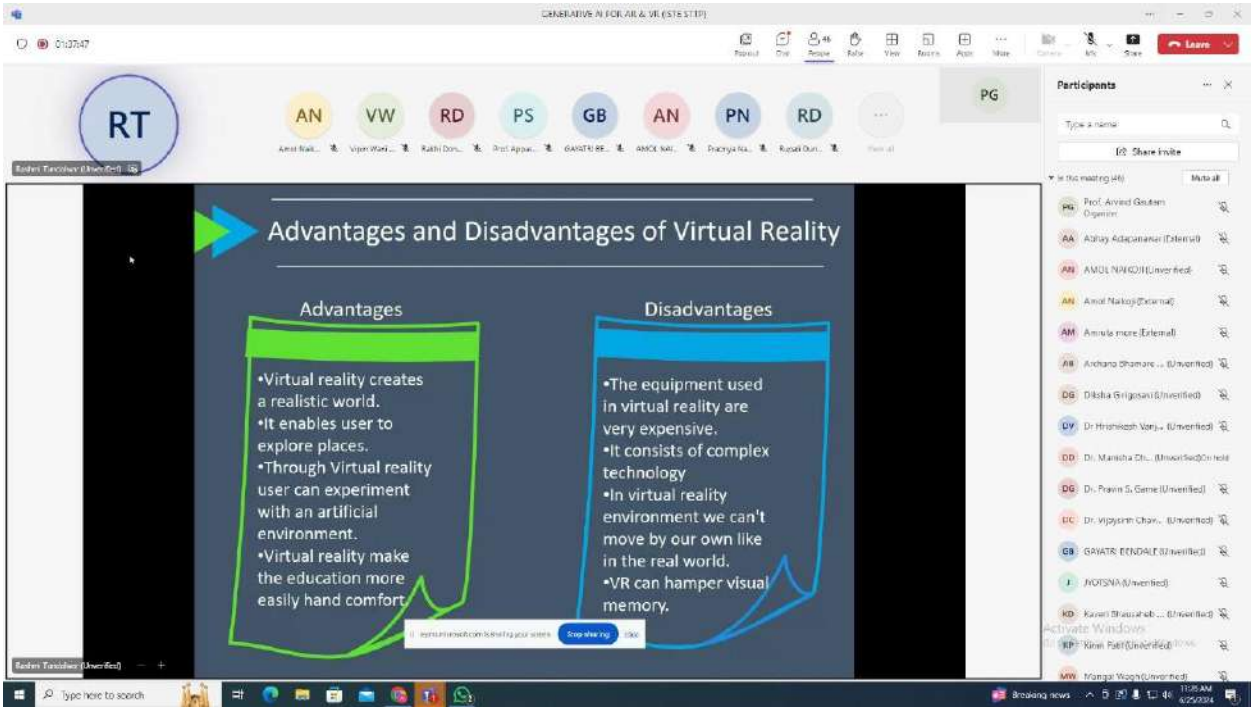

Fig3: Day2_Session1_Advantages & Disadvantage of Virtual Reality

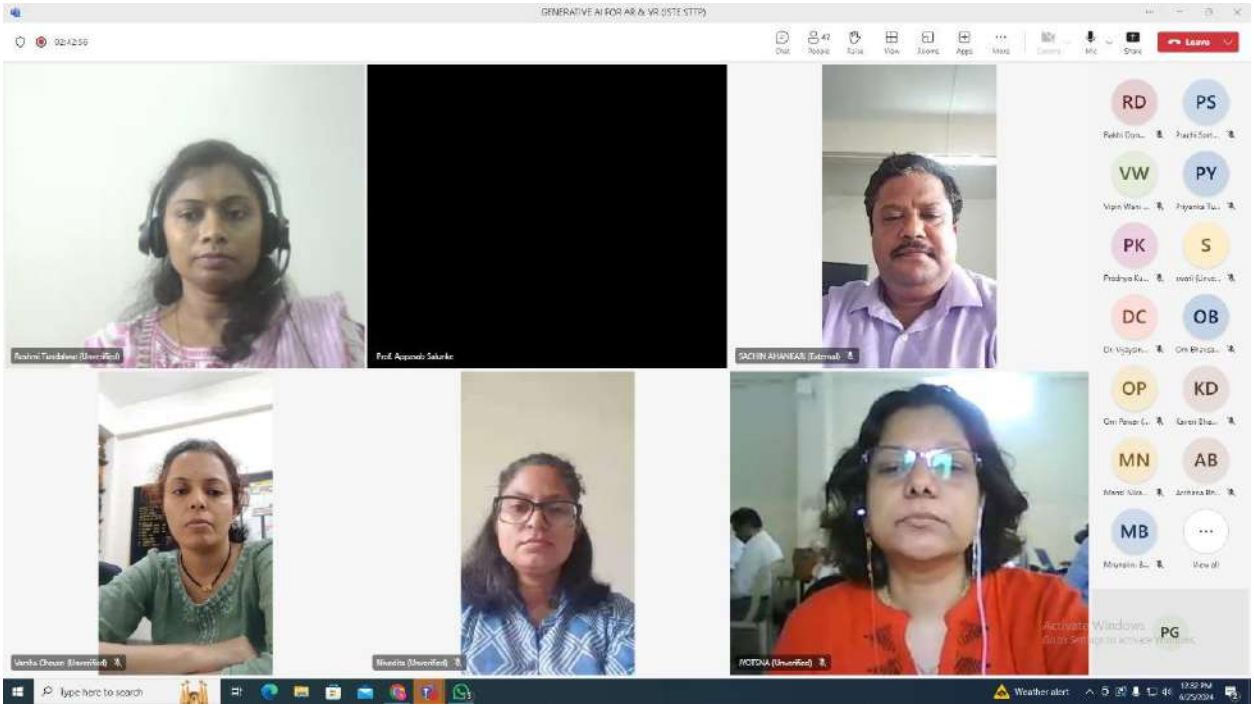

Fig4: Day2_Session1_All Participants with Session Expert (Prof. Rashmi Tundalwar)

Day 2 Session 2:
Time: 2:00 pm – 4:00 pm
Module Name: AR/VR Tools and its Applications with case study.
Speaker: Dr.Rajiv Bhandari, Head, AI & DS, SNJB's Late Sau. Kantabai Bhavarlalji Jain College of Engineering
Content:
Dr. Rajiv Bhandari delivered an informative lecture on "AR/VR Tools and Their Applications with Case Study." The lecture aimed to provide an in-depth understanding of the tools used in Augmented Reality (AR) and Virtual Reality (VR) development and their practical applications across various industries. Additionally, Dr. Bhandari presented a detailed case study to illustrate the real-world impact of these technologies.

The case study on healthcare demonstrated the tangible benefits and real-world impact of these technologies. The lecture concluded with an engaging Q&A session, where Dr. Bhandari addressed questions from the audience, further deepening their understanding of AR and VR applications.

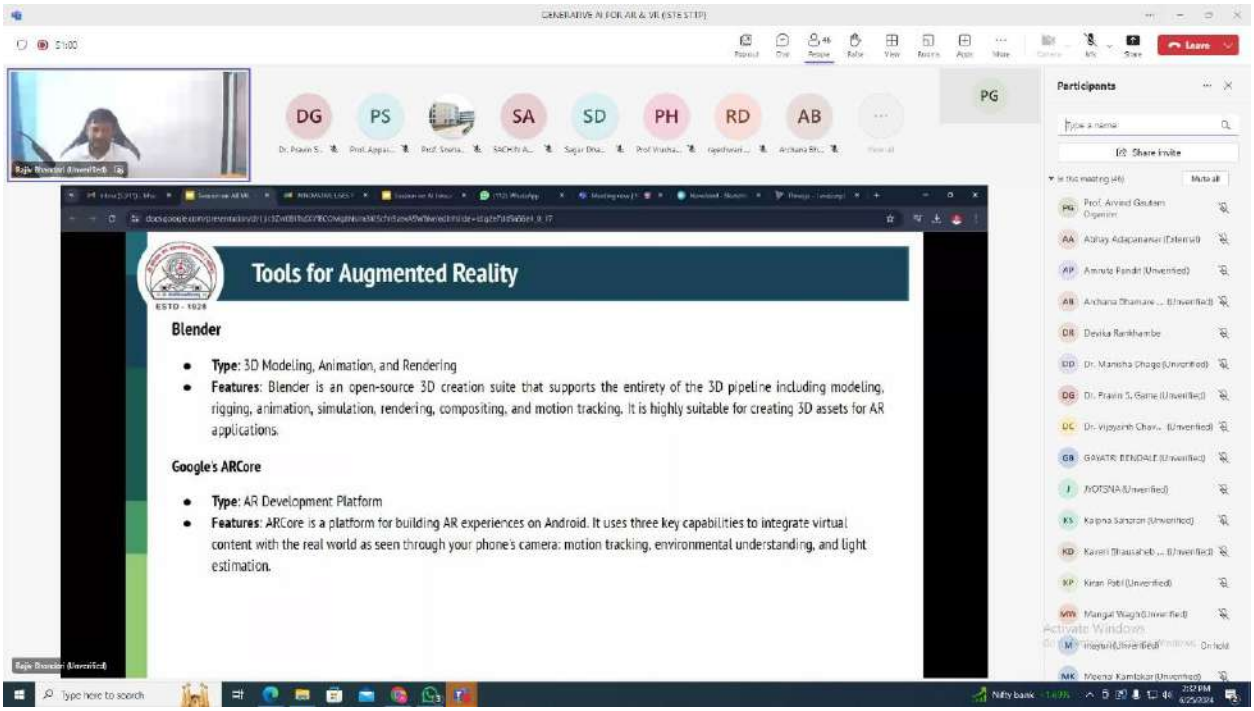

Fig1: Day2_Session2_Tools for Augmented Reality

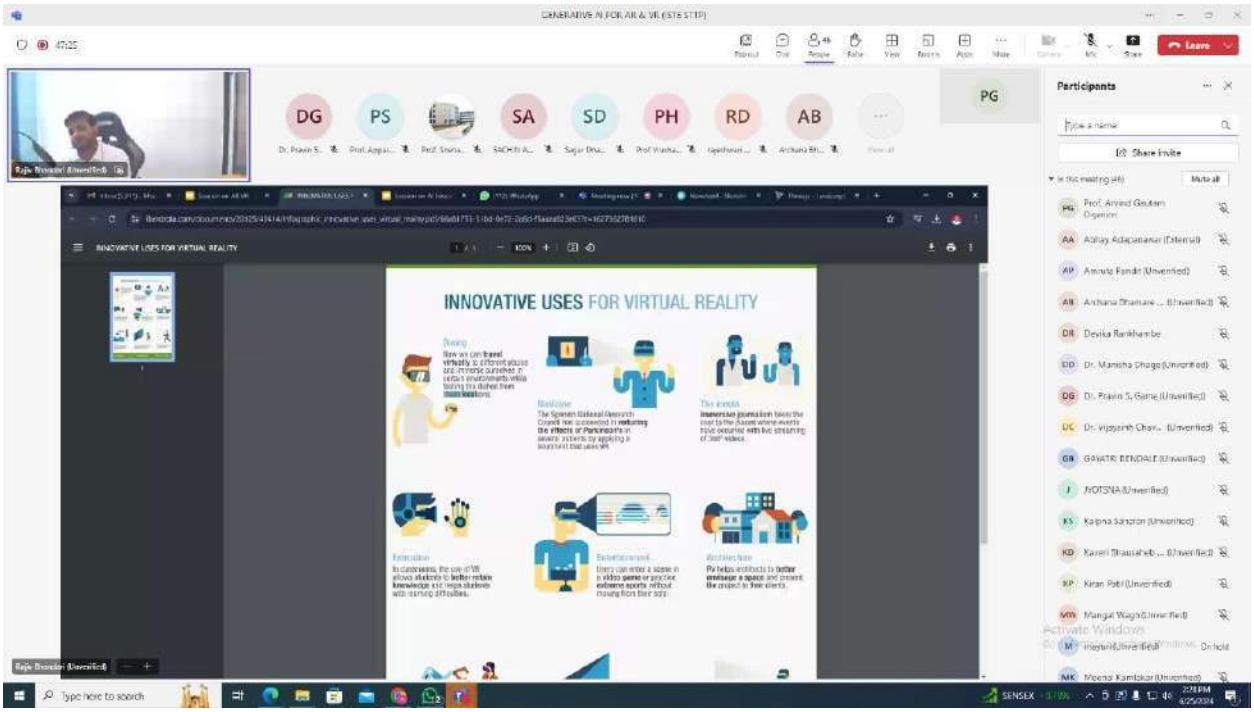

Fig2: Day2_Session2_Innovative uses for Virtual Reality

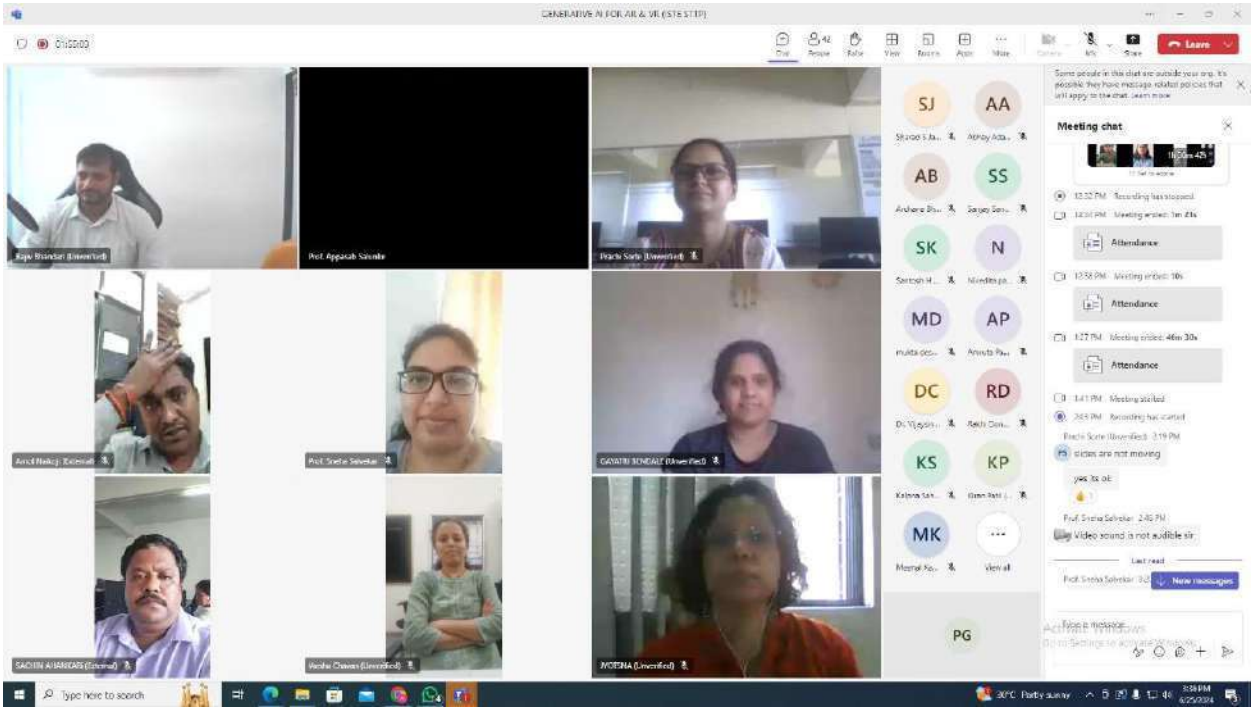

Fig3: Day2_Session2_ Participants with Session Expert (Dr. Rajiv Bhandari)

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/R/004C **Revision: 00**	**DoI: 02/01/2023**
Event Report		

Name of Event: ISTE STTP on Generative AI for AR & VR
Date of Event: 26th July, 2024
Event Coordinators: Artificial Intelligence & Data Science Department
Name of resources person/ Speaker:

1. Mr.Mohit Kabra, Business Analyst, AIRBUS

Brief Introduction of Resource Person/Speaker:

Mr. Mohit Kabra is a Business Analyst at AIRBUS, specializing in Mixed Reality, Voice Assistance, and Remote Assistance technologies. He is passionate about using these technologies to create innovative solutions that tackle real-world challenges and positively impact society. His previous roles as a Product Specialist with PTC Vuforia and an AR Specialist at Atlas Copco have provided him with a deep understanding of cutting-edge AR, VR, IoT, and AI technologies.

Mr. Mohit Kabra holds an MBA from NMIMS, Mumbai, and a BTech in Mechanical Engineering, reflecting his solid educational foundation in both business and technical domains.

Target Audience with count: 65

Brief Description of Event:

The One week Short Term Training Programme on “Generative AI for AR and VR”, organized by Artificial Intelligence & Data Science Department, Akhil Bhartiya Maratha Shikshan Parishad, Anantrao Pawar College of Engineering and Research, Pune, In Association with the Indian Society for Technical Education (ISTE). The program was conducted from 24th June, 2024 to 28th June, 2024 via online mode.

The ISTE STTP on "Generative AI for AR and VR” commenced with a ceremonial inauguration by Hon. Principal Dr. S.B Thakare & Prof. Sneha Salvekar the Head of the Artificial Intelligence & Data Science Department, at 10:00 AM. Prof. Sneha Salvekar provided a comprehensive overview of the five-day program, highlighting its significance in addressing contemporary challenges and exploring future prospects in the field of Artificial Intelligence. Following the inaugural address, Prof.Appasab Salunke, Assistant Professor in the Artificial Intelligence & Data Science Department, delivered a warm welcome speech, setting the tone for the informative sessions ahead.

Throughout the event, a total of 65 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Generative AI for AR and VR, including AR & VR, the overview and architecture of Generative AI and encoders and variational encoders. Training includes GAN architecture and visualization Techniques. Role of Generative AI in AR and VR. It will be elaborated in details with its usage and comparative analysis of Generative, conventional and Predictive AI. Here we also discuss the applications of AR and VR and modeling 3D object using Blender with its Hands-on Implementation.

Day 3 Session 1:

Time: 11:00 am – 1:00 pm

Module Name: Case Study : XR for Industrial Use Cases.

Speaker: Mr.Mohit Kabra, Business Analyst, AIRBUS

Content:

Mr. Mohit Kabra delivered an enlightening Session titled "Case Study: XR for Industrial Use Cases." The Session aimed to explore the applications of Extended Reality (XR) technologies in various industrial contexts, emphasizing practical implementations and real-world benefits through detailed case studies.

The Session concluded with a discussion on the future prospects of XR in the industrial sector. Mr. Kabra highlighted potential advancements, such as the integration of artificial intelligence (AI) with XR for smarter applications, and the use of XR for remote monitoring and control of industrial processes.

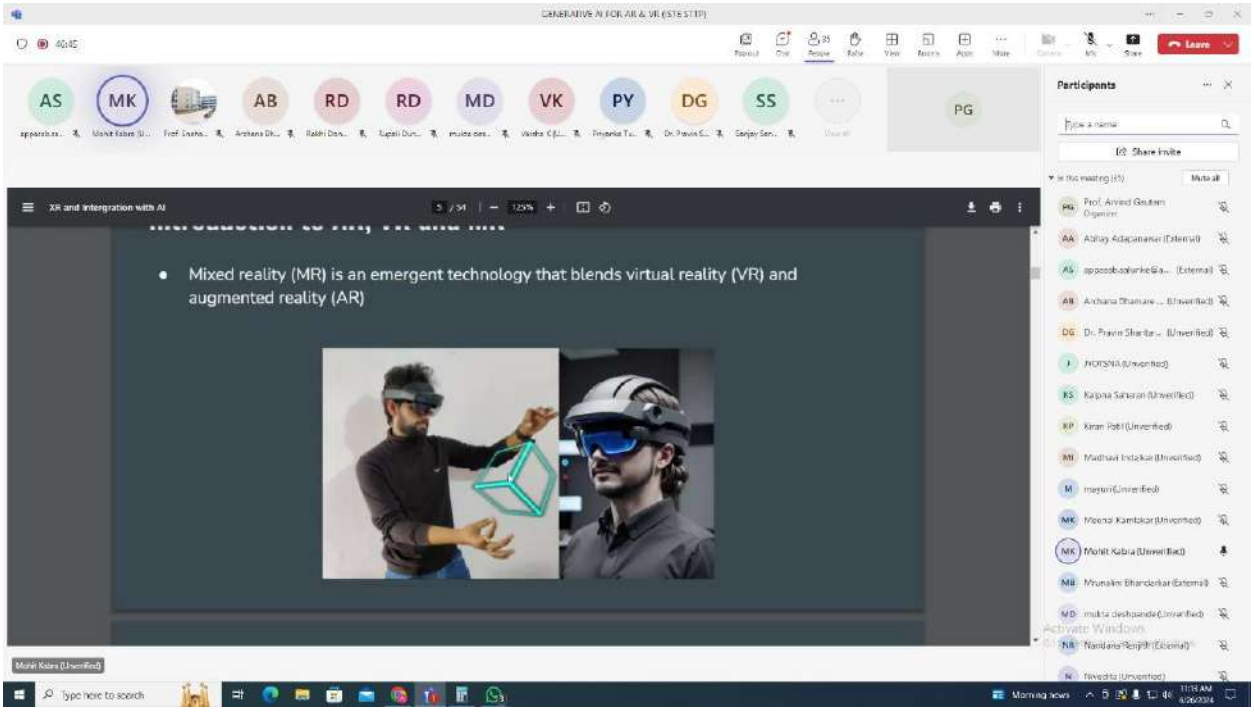

Fig1: Day3_Session1_Mixed Reality

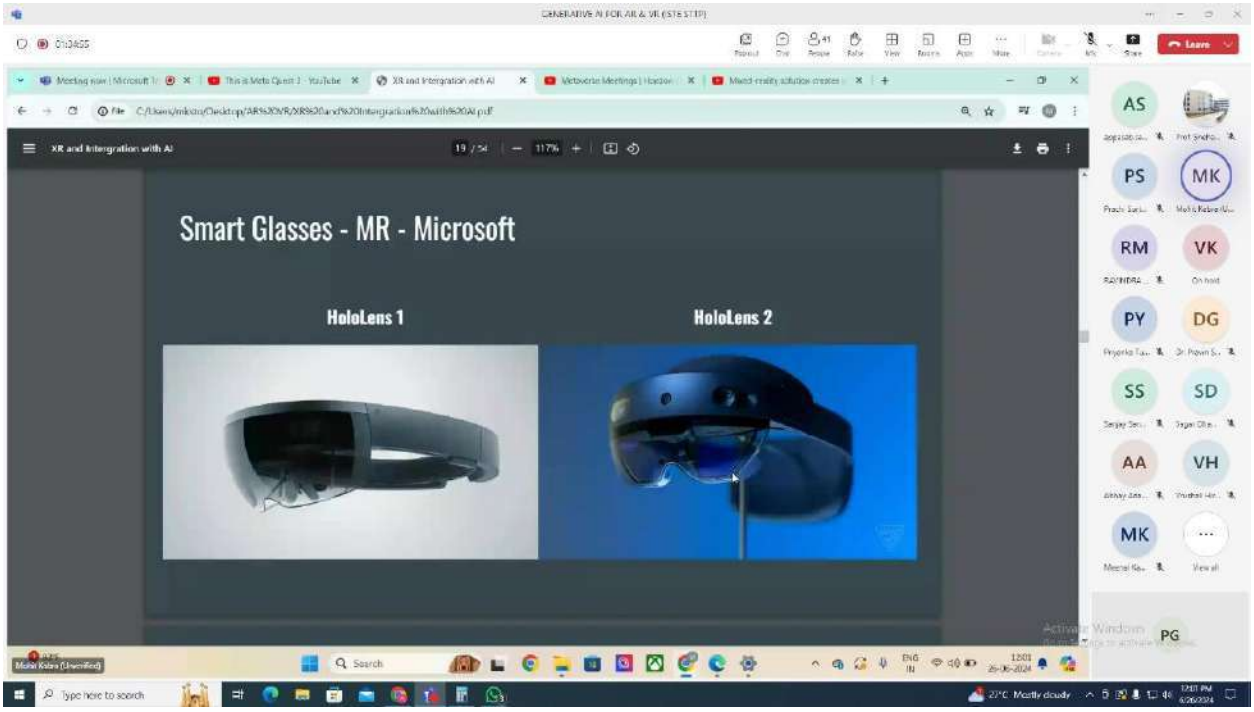

Fig2: Day3_Session1_GEN_Smart Glasses MR-Microsoft

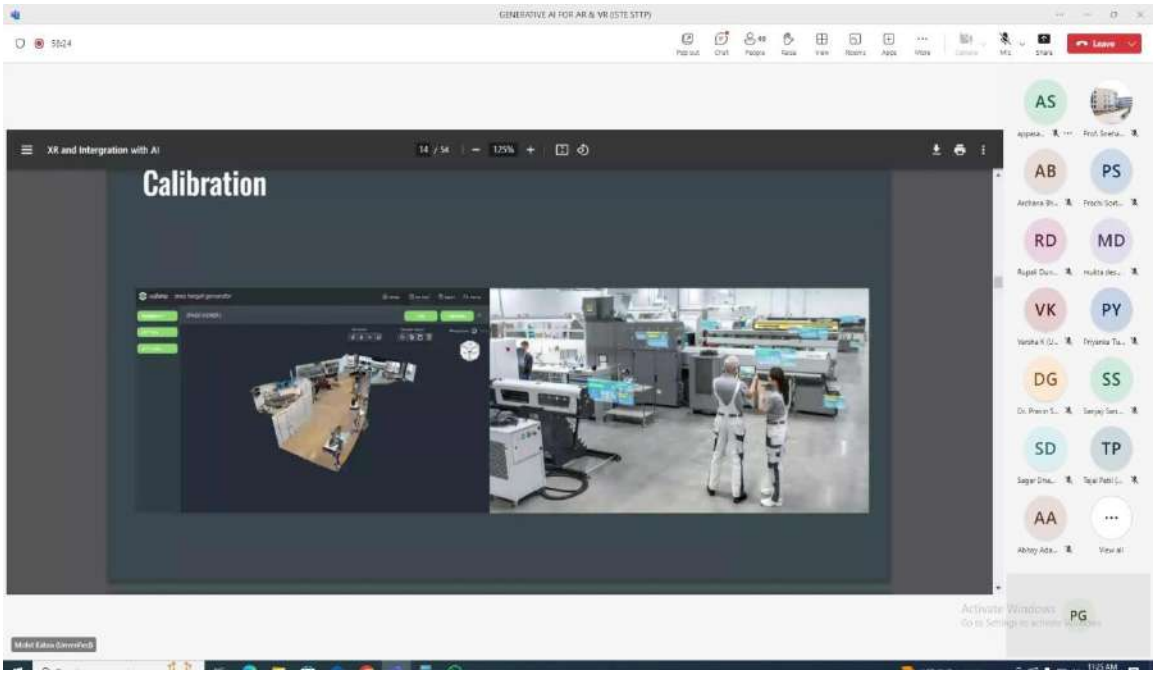

Fig3: Day3_Session1_Calibration

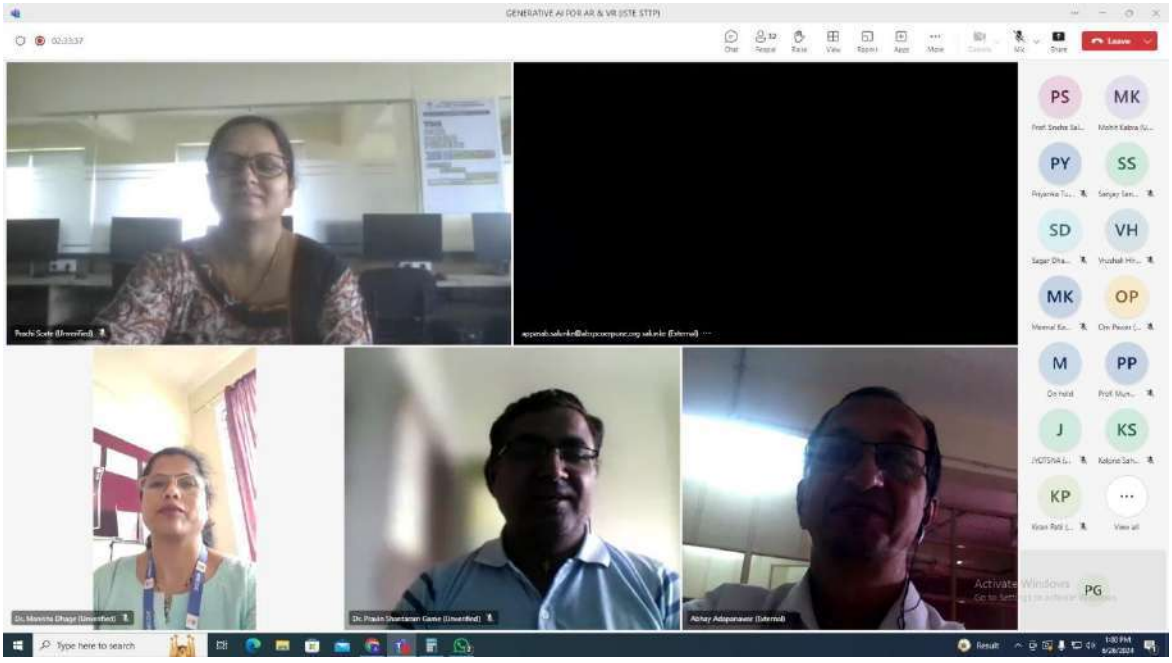

Fig4: Day3_Session1_All Participants with Session Expert (Mr Kabra)

Day 3 Session 2:
Time: 2:00 pm – 4:00 pm
Module Name: Software of AR VR Development and AI Integration(GenAI Role).
Speaker: Mr.Mohit Kabra, Business Analyst, AIRBUS
Content:
Mr. Mohit Kabra delivered an engaging session titled "Software of AR/VR Development and AI Integration (GenAI Role)." The session aimed to provide a comprehensive understanding of the software tools used in AR/VR development and the integration of Artificial Intelligence (AI), specifically Generative AI (GenAI), to enhance these technologies.

The session concluded with a discussion on the challenges and future directions of AR/VR and AI integration:

- **Challenges:** Technical limitations, high development costs, and the need for robust data security.
- **Future Directions:** Advances in hardware, improved AI algorithms, broader adoption across industries, and seamless integration of AR, VR, and AI for more sophisticated applications.

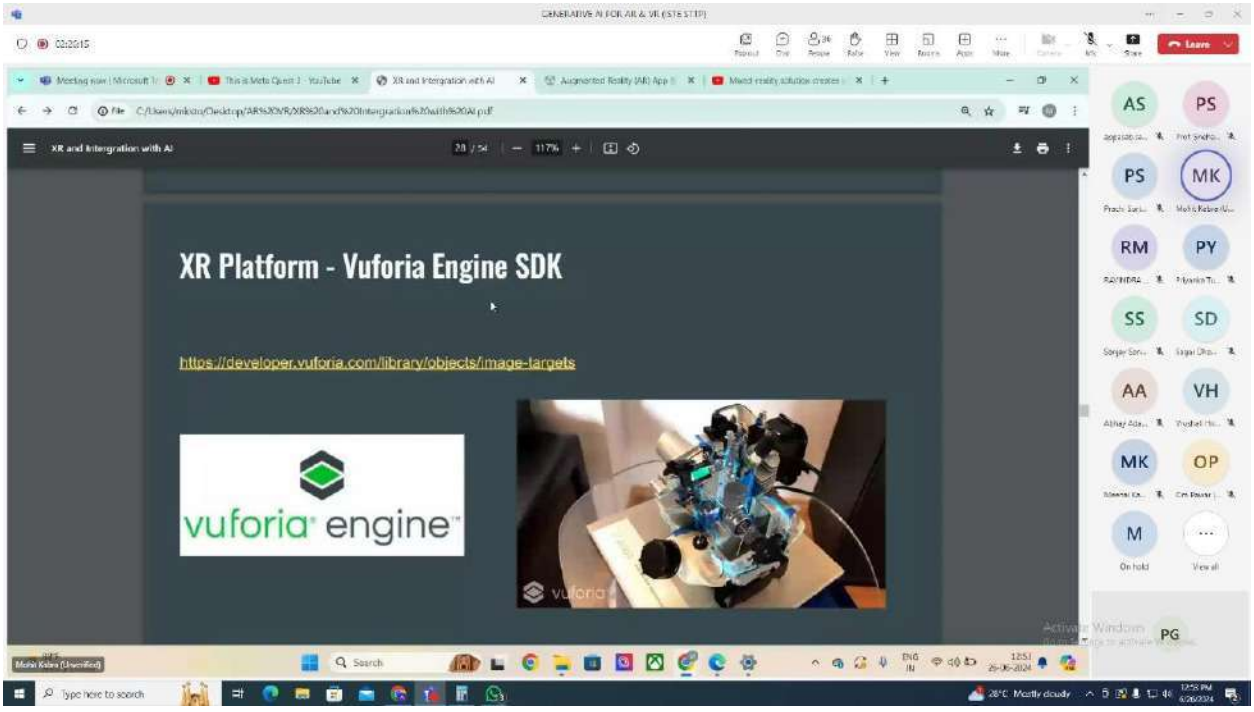

Fig1: Day3_Session2_XR Platform-Vuforia Engine SDK

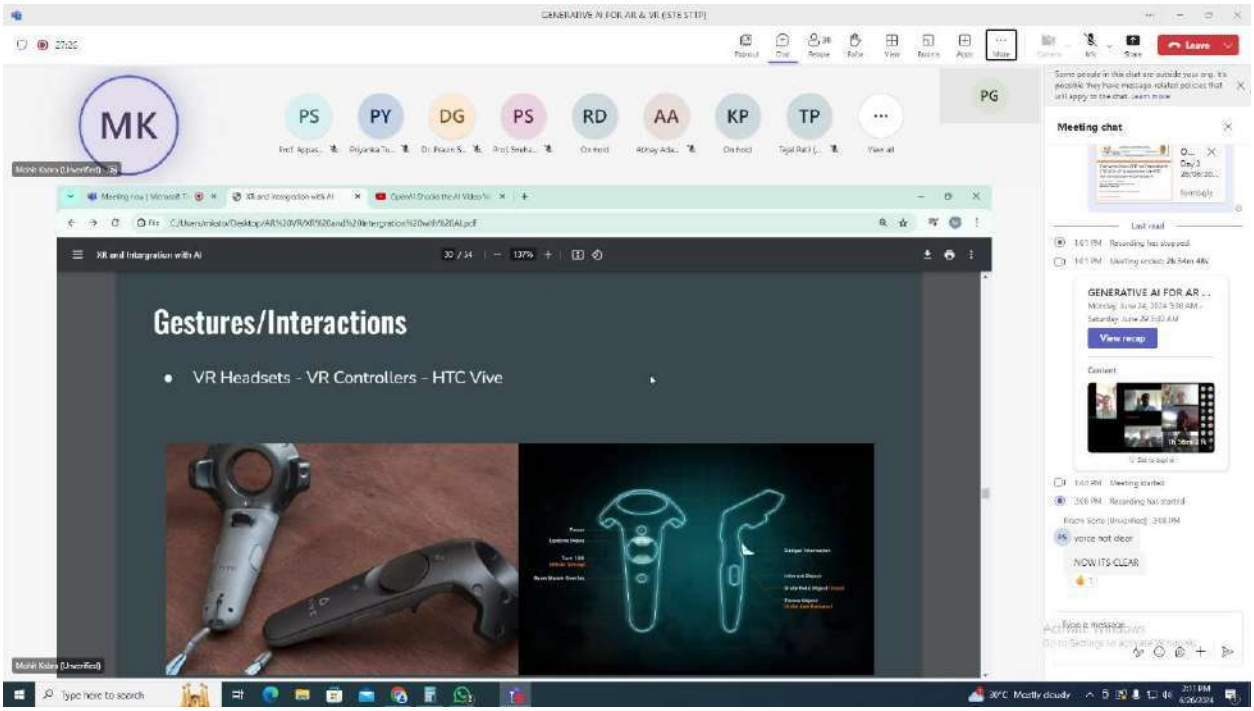

Fig2: Day3_Session2_Gestures/Interactions

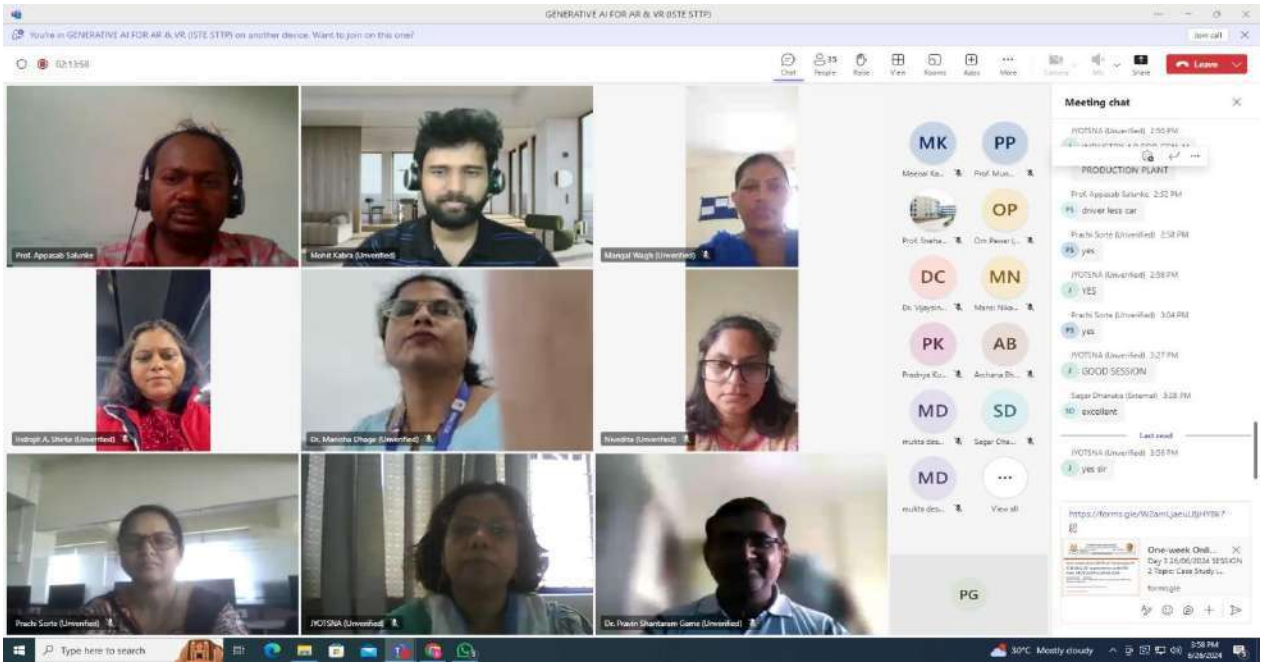

Fig4: Day3_Session2_ Participants with Session Expert (Mr Mohit Kabra)

Event Report

Name of Event: ISTE STTP on Generative AI for AR & VR
Date of Event: 27th July, 2024
Event Coordinators: Artificial Intelligence & Data Science Department
Name of resources person/ Speaker:

1. Dr. Milind Gaykwad, Assistant Professor, IT Department BVP College of Engineering, Pune
2. Dr. Aradhana Deshmukh, Professor, Symbiosis Skill University, Pune

Brief Introduction of Resource Person/Speaker:

Dr. Milind Gaykwad holds a Ph.D. in Computer Engineering and has been associated with BV(DU)COE, Pune since 2008, accumulating a total work experience of 17.10 years (15.10 years of UGC service plus 2 years). His primary research domains include Machine Learning (ML), Natural Language Processing (NLP), and Information Credibility.

He has an impressive academic and research track record, having completed an international research project and initiated collaborations with two international entities. Dr. Gaykwad has secured research grants, including a significant grant worth 13,15,000 INR from AICTE, and seed money grants totaling 2,00,000 INR from BVU. He has also facilitated three Memoranda of Understanding (MoUs) with industry partners.

As a reviewer, Dr. Gaykwad contributes to prestigious journals such as IEEE Transactions on Systems, Man, and Cybernetics, and the International Journal of Engineering (IJE). His research has resulted in 18 publications indexed in Scopus, 6 in Web of Science (WoS), and a total of 43 publications indexed by Google Scholar and UGC.

Additionally, Dr. Gaykwad has filed two patents and served as a panel member for interviews at C-DAC for the role of Patent Engineer. He has conducted sessions in Faculty Development Programs (FDPs) on research trends in Machine Learning and Learning Management Systems (LLM) at various institutions, showcasing his commitment to knowledge dissemination and academic leadership.

Dr. Araddhana Deshmukh, has 21 years of experience in teaching. She has also worked as Head Of Department and in Associate Professor MMCOE Pune Assistant Professor, Research Coordinator, in SKNCOE Pune
Lecturer and Student's Associations Coordinators in VIT Pune Has Granted 7 patents (India +South Africa)
Published 21 patents Published 143 papers (out of which 13 paper are in Scopus indexing and 4 paper is in Web of Science., 4 papers in Elsevier, 11 Book Chapters, 58 UGC + other

Journal rest in International conferences Published 11 Books (7 International, 4 National) Has received AICTE funding's for lab development BCUD funding's for Summer School and Faculty Development Program. Has guided more than 100 UG students 19 engineering PG students Conducted public viva-voce of many engineering Ph.D. scholars. Has delivered 17 Key note speech nline and Offline Sessions on Cloud Computing, Research Methodology, Flutter, Mobile Computing Has received Best Research Award from 4 different organizations 19 Best paper award in the International Conference

Gunwant Nagrik Purskar from PMC Pune

Anushka Purskar from PCMC Pune has completed 42 online certification courses. Has organized Convenor for International Conference ICINC 2020

More than 24 FDP's and Workshops for faculties and students Coordinated various co-curricular and extracurricular activities for the students and faculty members Has worked as a reviewer/judge for various conferences like WPC since 2013, WIC 2013-2022

Chairman and designed syllabus for various subjects of Computer Engineering, Artificial Intelligence and Data Science of Savitribai Phule Pune University, Pune, GTU Gujrat, VTU Vellore, Manipal and many more worked as a Paper setter for Cloud Security, Information Security, Machine Learning Microprocessor Architecture and many more an experience to work for national level committees like NIRF, NAAC, NBA etc.

She is lifetime member of professional bodies like IEI IAENG, ICPCC, S4DS etc, Youngest Secretary in The Institution of Engineers (India), Pune Local Centre

Target Audience with count: 65

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The One week Short Term Training Programme on “Generative AI for AR and VR”, organized by Artificial Intelligence & Data Science Department, Akhil Bhartiya Maratha Shikshan Parishad, Anantrao Pawar College of Engineering and Research, Pune, In Association with the Indian Society for Technical Education (ISTE). The program was conducted from 24th June, 2024 to 28th June, 2024 via online mode.

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Throughout the event, a total of 65 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Generative AI for AR and VR, including AR & VR, the overview and architecture of Generative AI and encoders and variational encoders. Training includes GAN architecture and visualization Techniques. Role of Generative AI in AR and VR. It will be elaborated in details with its usage and comparative analysis of Generative, conventional and Predictive AI. Here we also discuss the applications of AR and VR and modeling 3D object using Blender with its Hands-on Implementation.

Day 4 Session 1:

Time: 11:00 am – 1:00 pm

Module Name: Generative AI vs Predictive AI vs Conversational AI.

Speaker: Dr. Milind Gaykwad, Assistant Professor, IT Department BVP College of Engineering, Pune

Content:

Dr. Milind Gaykwad delivered an insightful lecture titled "Generative AI vs Predictive AI vs Conversational AI." The lecture aimed to demystify these three distinct branches of Artificial Intelligence (AI), exploring their unique characteristics, applications, and implications for various industries.

Dr. Gaykwad began with a brief overview of AI, highlighting its evolution, core concepts, and its impact on modern technology. He emphasized the growing importance of AI in transforming industries and enhancing everyday life.

Dr. Gaykwad provided a comparative analysis of Generative AI, Predictive AI, and Conversational AI, highlighting their strengths, limitations, and ideal use cases.
Dr. Gaykwad presented several case studies to illustrate the practical applications of these AI branches

One of them Case Study 1: Generative AI in Art and Design

- **Project:** Using GANs to create digital art pieces.
- **Outcome:** Enabled artists to explore new creative possibilities and generate unique artwork.

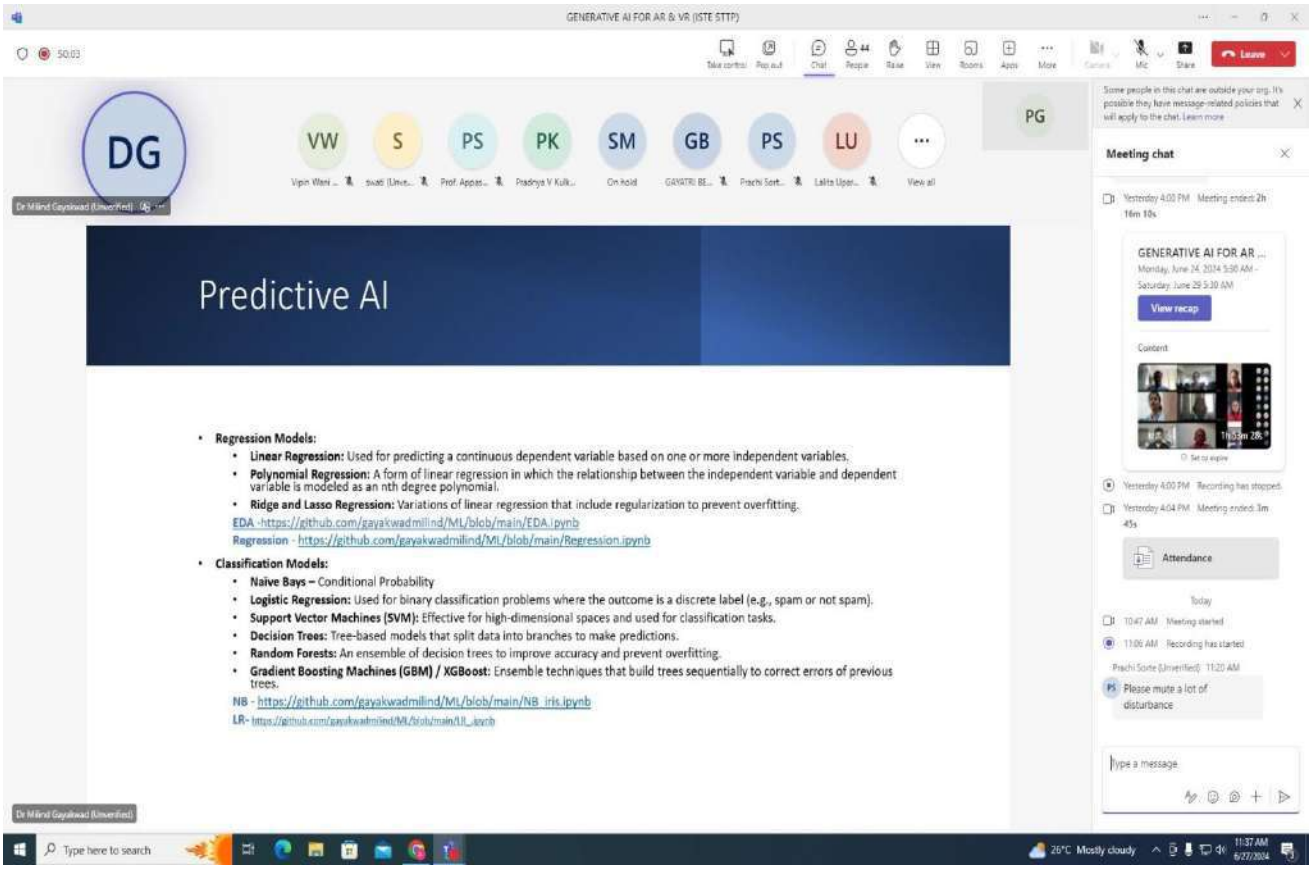

Fig1: Day4_Session1_Predictive AI

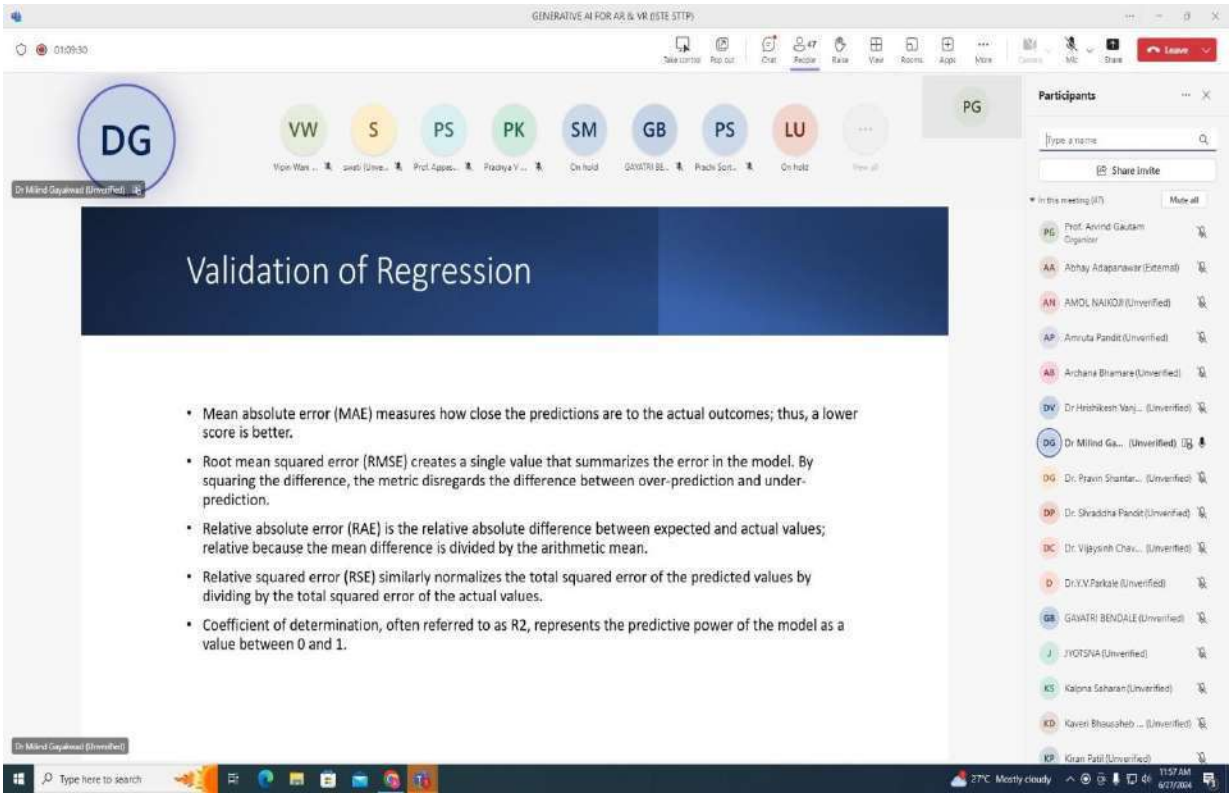

Fig2: Day4_Session1_Validation of Regression

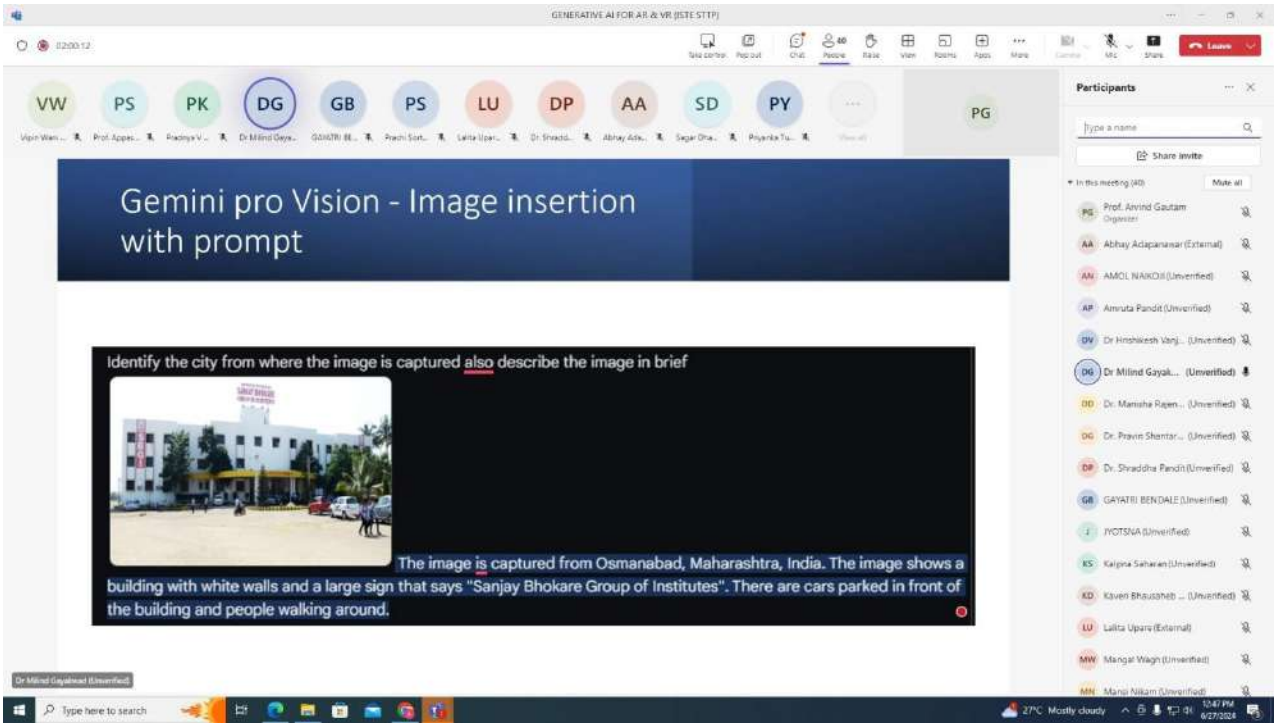

Fig3: Day4_Session1_Gemini Pro Vision-Image insertion with prompt

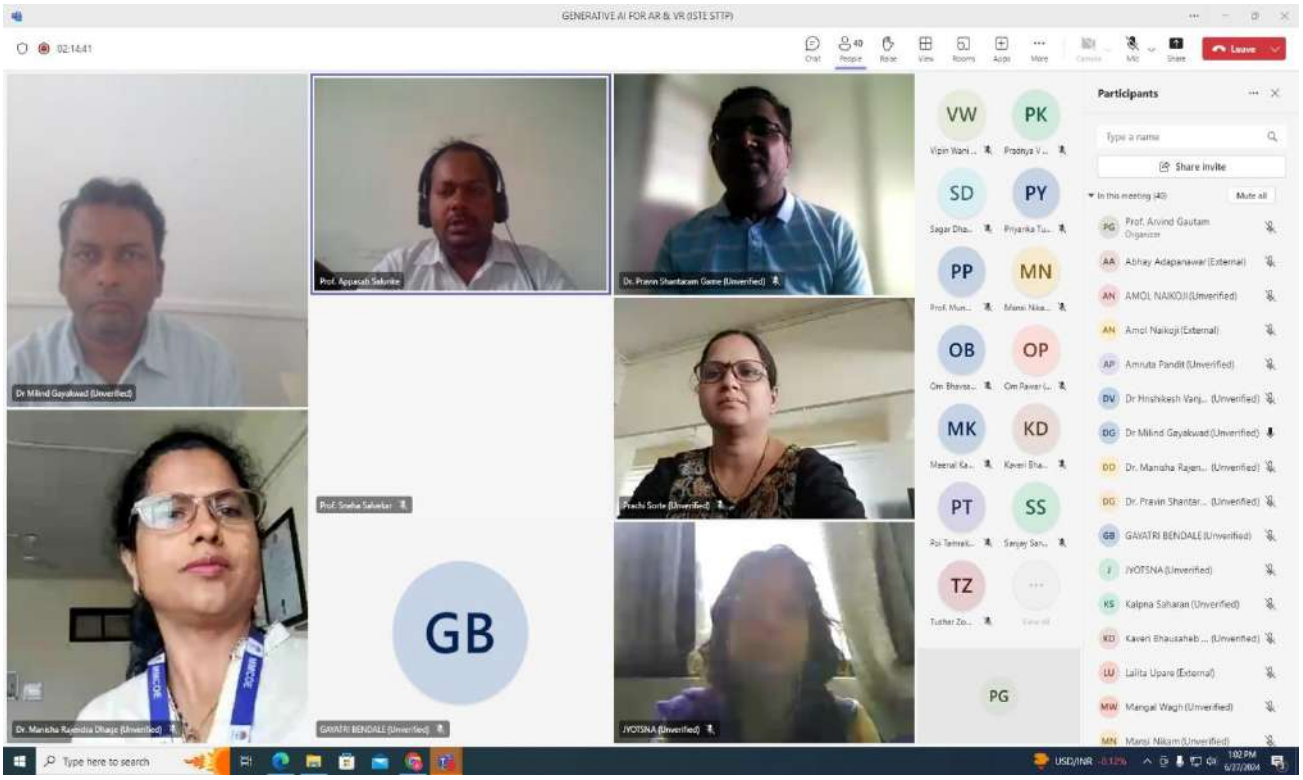

Fig4: Day4_Session2 All Participants with Session Expert (Prof. Ramesh Adavi)

Day4 Session 2:
Time: 2:00 pm – 4:00 pm
Module Name: Introduction to Generative Adversarial Networks(GANs) and its Architecture
Speaker: Dr. Aradhana Deshmukh, Professor, Symbiosis Skill University, Pune)
Content:
Dr. Aradhana Deshmukh delivered an insightful lecture titled "Introduction to Generative Adversarial Networks (GANs) and Its Architecture." The lecture aimed to provide a foundational understanding of GANs, their working principles, and their architectural components.
Dr. Deshmukh began the lecture by introducing Generative Adversarial Networks (GANs), highlighting their significance in the field of machine learning and artificial intelligence.
Dr. Deshmukh also provided a detailed explanation of the GANs architecture, emphasizing the interaction between the generator and the discriminator and also briefly touched upon advanced variants of GANs that address some of the limitations of the original architecture

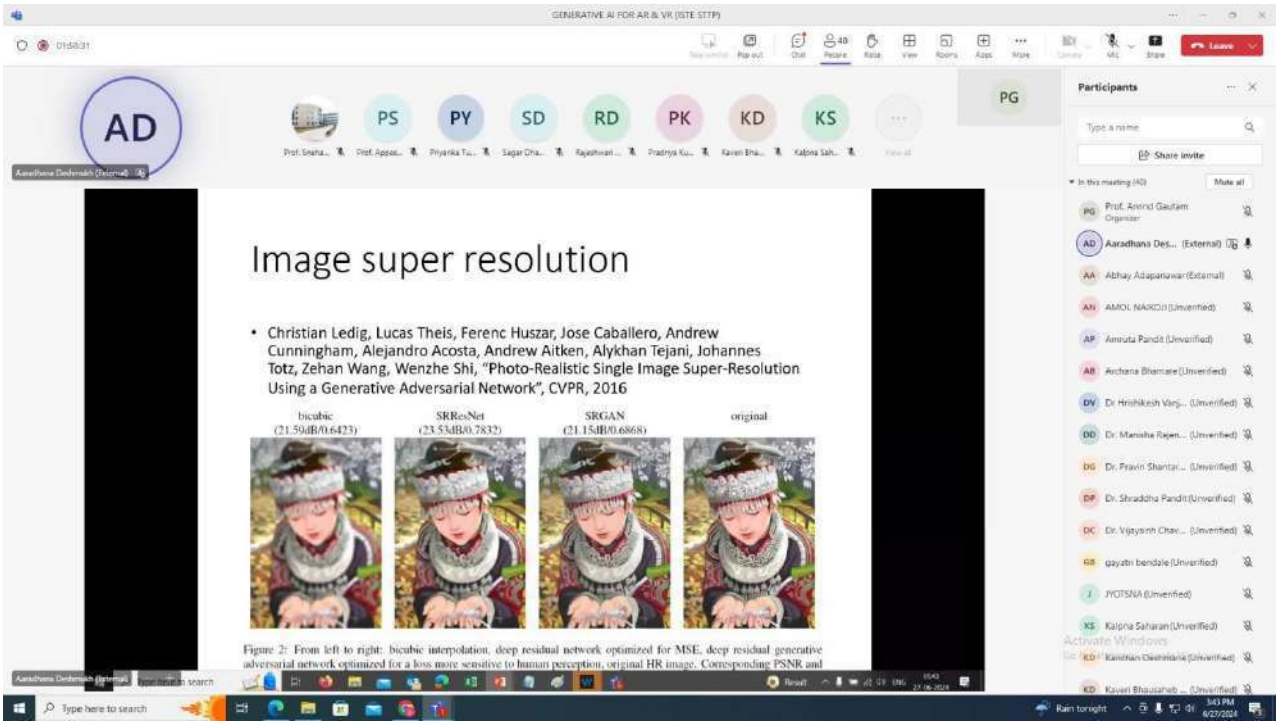

Fig1: Day4_Session2_Image Super resolution

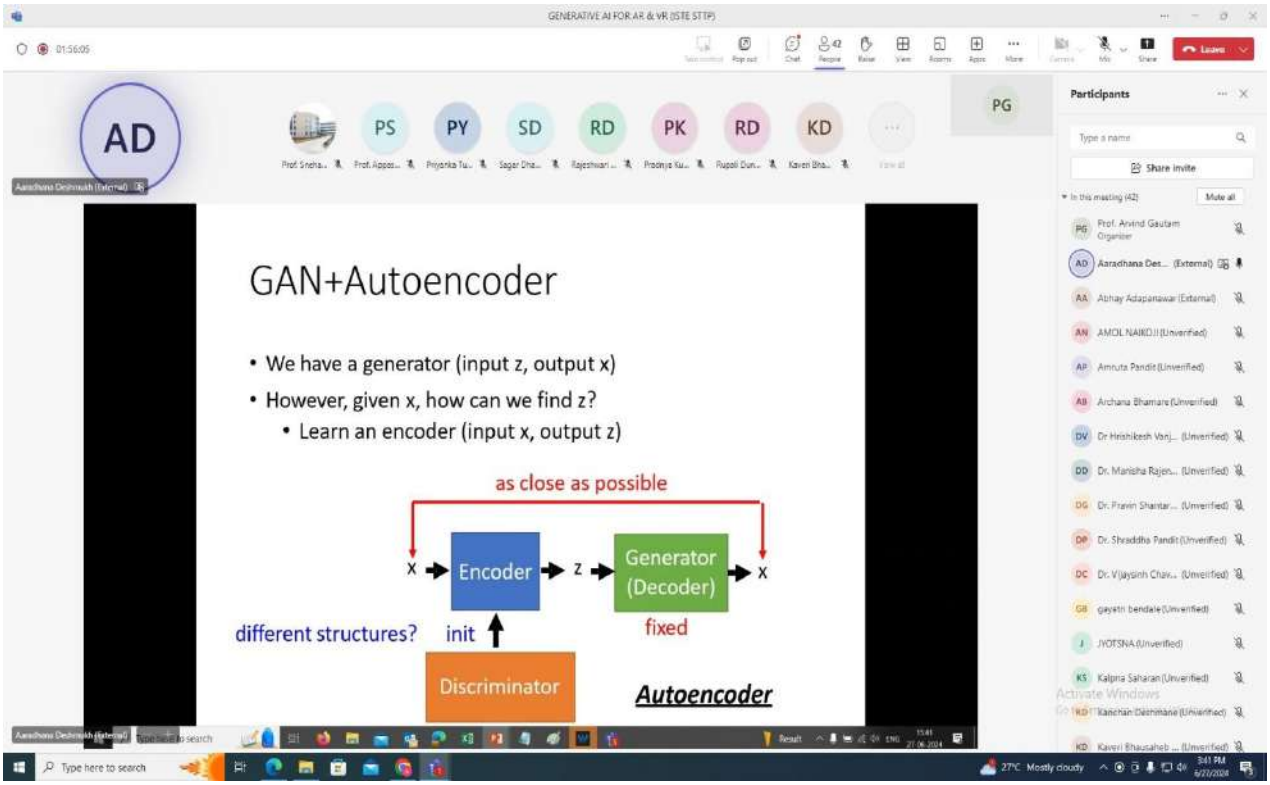

Fig2: Day4_Session2_Education Evolution

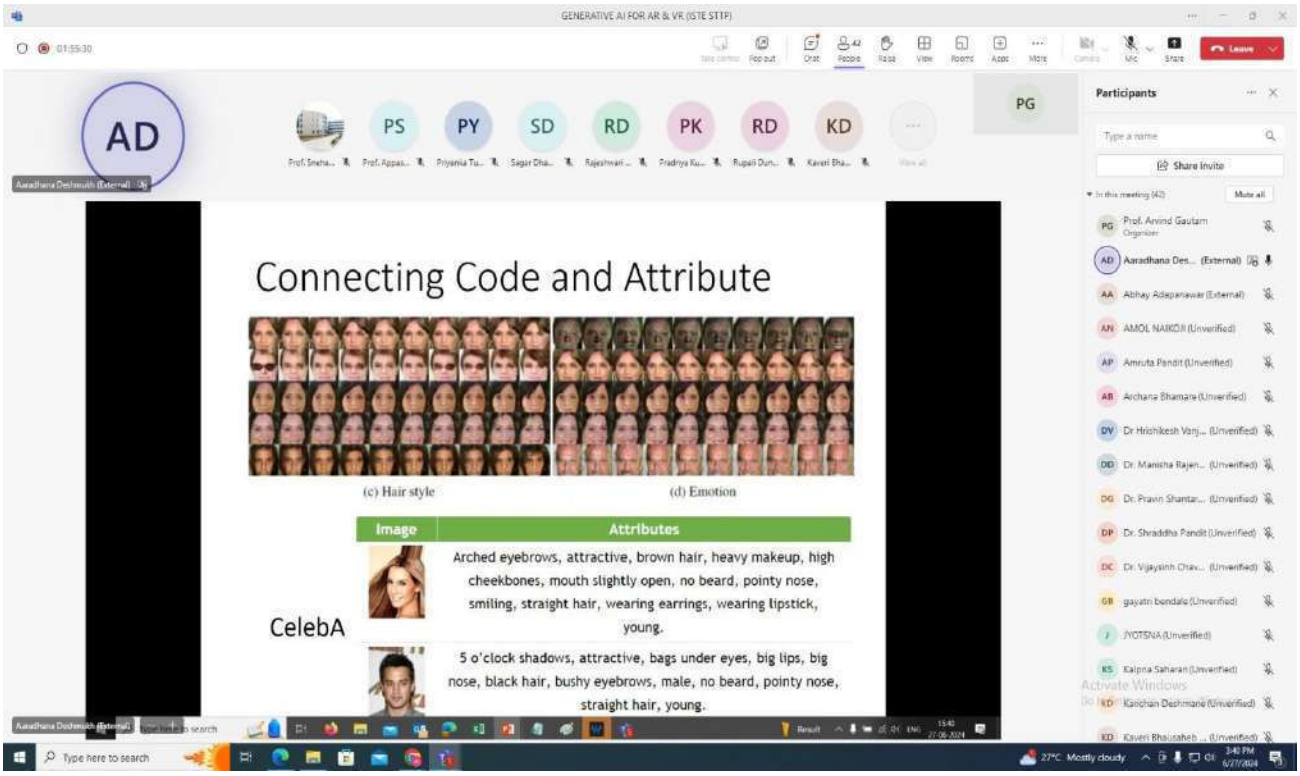

Fig3: Day4_Session2Connecting Code and Attribute

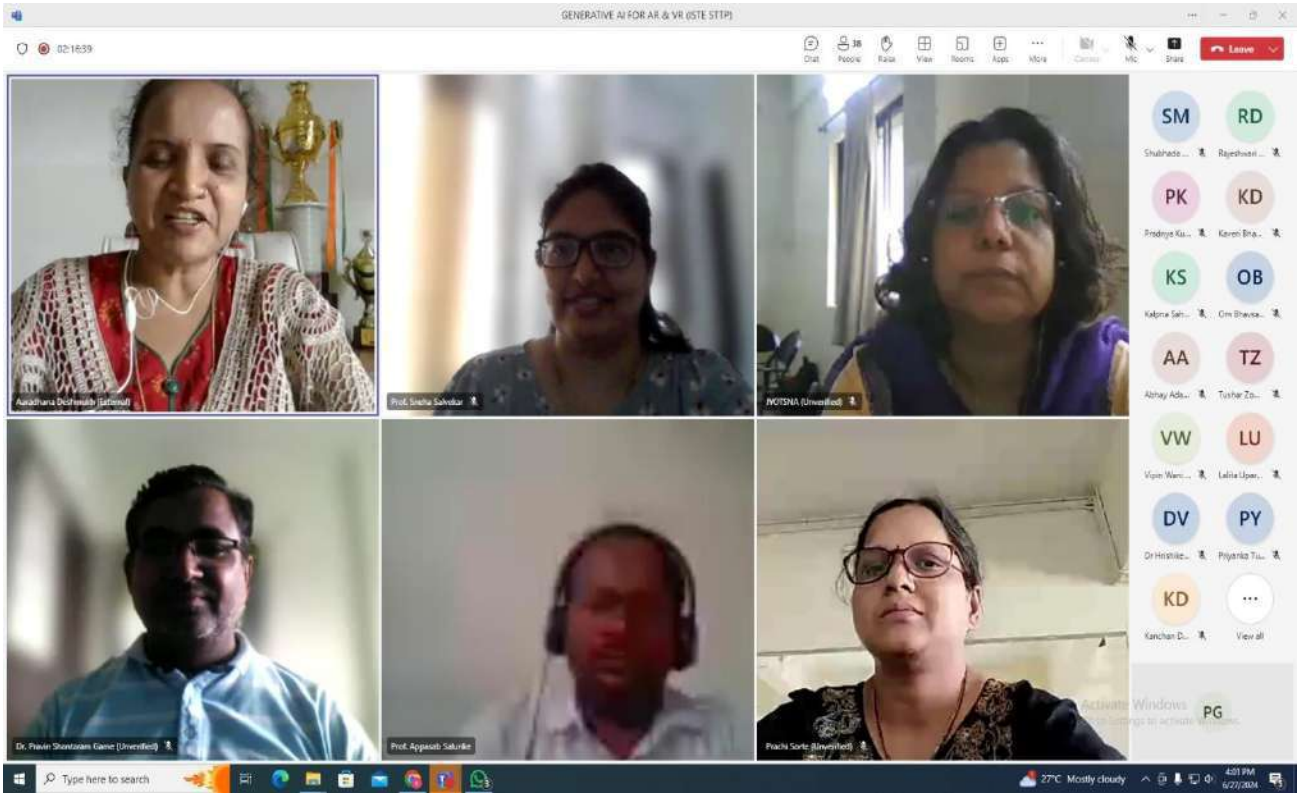

Fig4: Day4_Session2_ Participants with Session Expert (Dr. Aradhana Deshmukh)

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/R/004C **Revision: 00**	**DoI: 02/01/2023**
	Event Report	

Name of Event: ISTE STTP on Generative AI for AR & VR
Date of Event: 28th July, 2024
Event Coordinators: Artificial Intelligence & Data Science Department
Name of resources person/ Speaker:

1. Dr. Sharadchandra Lohokare, Adjunct Faculty, AI & DS, APCOER, Pune
2. Mr.Ashish Bhosekar, Building Genexa.ai | Generative AI Expert | Ex-Program Director Mindtree Limited | Technical Consultant |

Brief Introduction of Resource Person/Speaker:

Dr. Sharadchandra Lohokare is an Adjunct Faculty in the AI & DS Department at ABMSP's Anantrao Pawar College of Engineering & Research (APCOER). He brings over 30 years of extensive experience in Engineering Services, Engineering Software & Embedded Systems, and Mechatronics product design & development across various domains including Industrial Automation, Oil & Gas, Automotive, Medical Electronics, and Semiconductors.

In addition to his academic role, Dr. Lohokare is the Founder CEO of JyoSH AI Solutions Pvt. Ltd and serves as Vice President of Shramrajya Parishad, a farmers' organization based in Maharashtra. Through Shramrajya Parishad, he has played a pivotal role in training Indian farmers to adapt and explore new opportunities facilitated by the Government of India's Agriculture Bills until 2020. His diverse professional background spans leadership positions in corporate sectors, including business leadership, technocracy, and sales & marketing**.**

Mr. Ashish Bhosekar is an accomplished IT Consultant and Entrepreneur with over 35 years of diverse industry experience, focusing on IT for the past 23 years. He specializes in software testing, program management, and technical consulting across Telecom, ERP, Financial Markets, and E-commerce domains.

Mr. Bhosekar has held senior positions at LTIMindtree, Persistent Systems, and BMC Software. He is the Founder and Director of Activense Holistic Solutions Pvt. Ltd and the driving force behind Genexa.ai, a pioneering start-up in Generative AI. His career highlights include expanding client operations internationally, winning over 100 deals, and establishing Test Center of Excellence (TCoE) services for Fortune 500 clients. Beyond his professional achievements, he is also an author, wealth coach, and musician, actively contributing to tech trends and creative pursuits.

Target Audience with count: 65

Brief Description of Event:

The One week Short Term Training Programme on “Generative AI for AR and VR”, organized by Artificial Intelligence & Data Science Department, Akhil Bhartiya Maratha Shikshan Parishad, Anantrao Pawar College of Engineering and Research, Pune, In Association with the Indian Society for Technical Education (ISTE). The program was conducted from 24th June, 2024 to 28th June, 2024 via online mode.

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Day 5 Session 1:

Time: 11:00 am – 1:00 pm

Module Name: Future of Generative AI.

Speaker: Dr. Sharadchandra Lohokare, Adjunct Faculty, AI & DS, APCOER, Pune

Content:

Dr. Sharadchandra Lohokare delivered an enlightening lecture titled "Future of Generative AI." The lecture aimed to explore the potential advancements, applications, and implications of Generative AI in various fields, offering a visionary perspective on how this technology might evolve and shape the future.

Dr. Lohokare addressed the ethical considerations and challenges associated with the future development and deployment of Generative AI.

Dr. Lohokare presented several case studies to illustrate the practical applications and future potential of Generative AI.

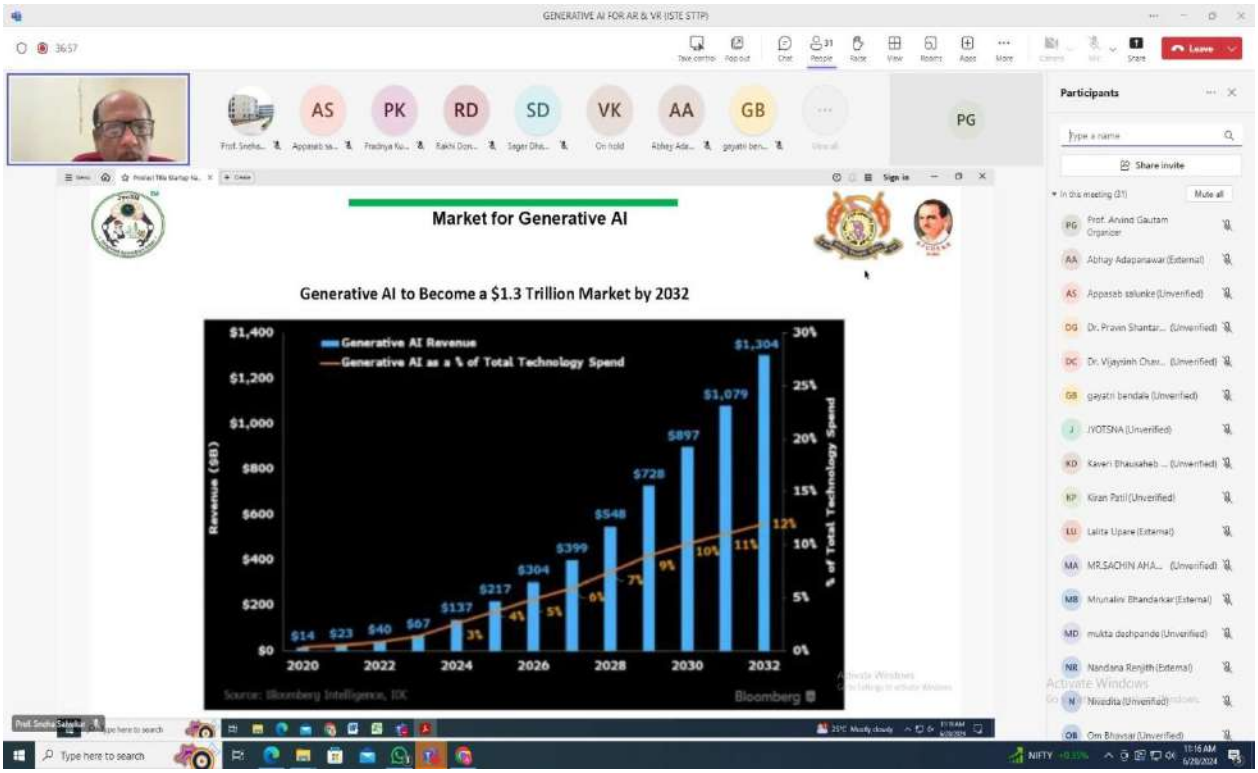


Fig1: Day5_Session1_Market for Generative AI

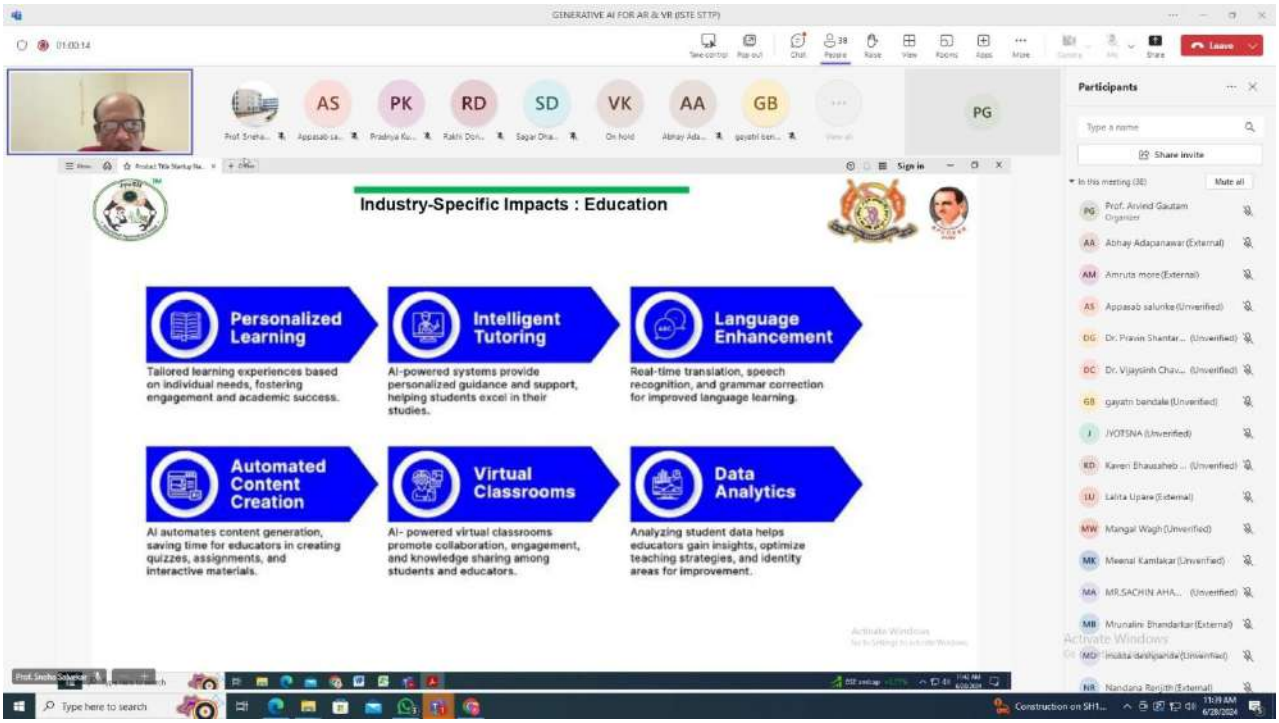


Fig2: Day5_Session1_Industry-Specific Impacts: Education

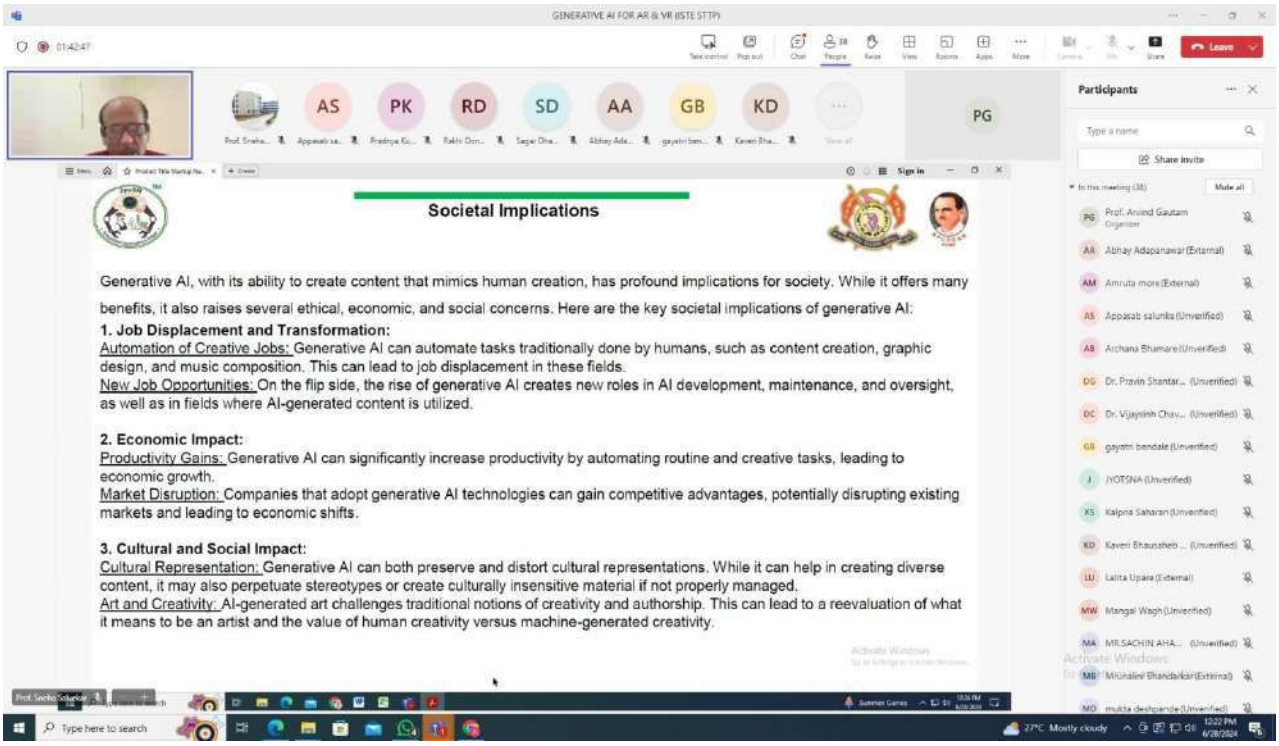


Fig3: Day5_Session1_Gemini Pro Vision-Image insertion with prompt

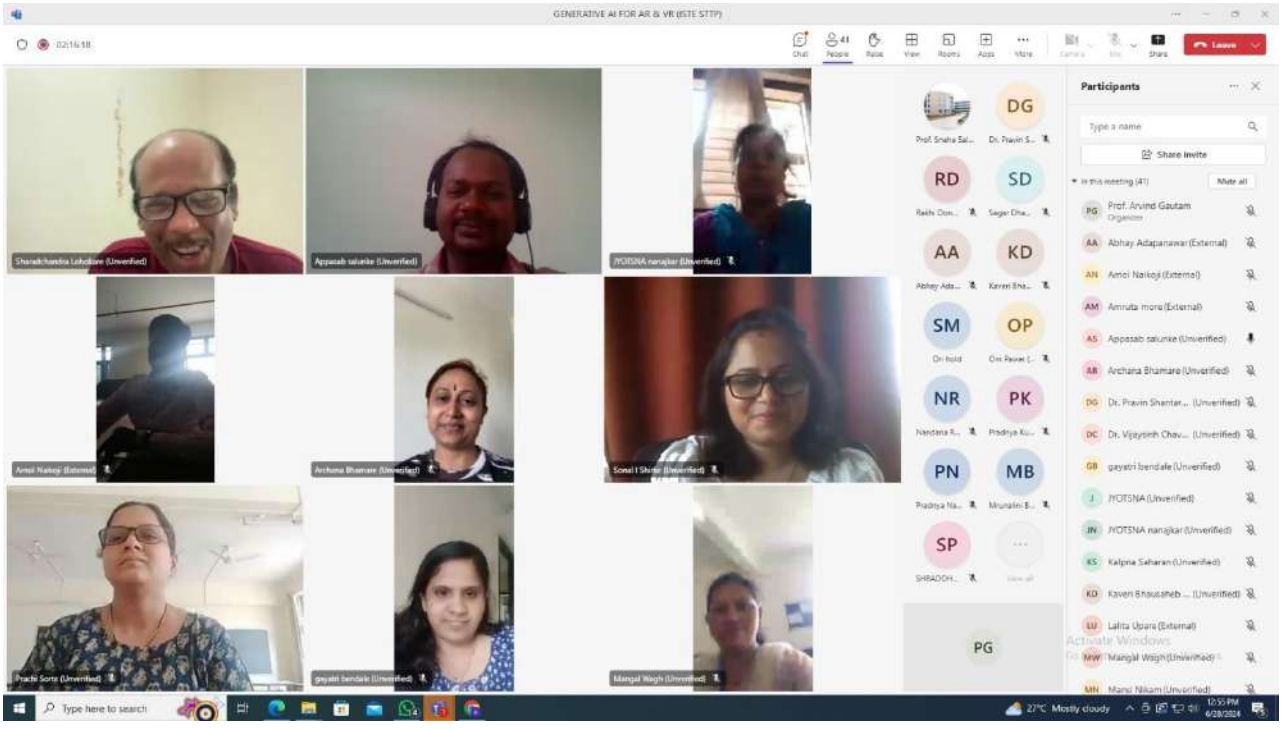


Fig4: Day5_Session2 All Participants with Session Expert (Dr. Sharadchandra Lohokare)

Day 5 Session 2:
Time: 2:00 pm – 4:00 pm
Module Name: MS Azure AI and Copilot in Financial Research and HR
Speaker: Mr.Ashish Bhoskar
Content:
Mr. Ashish Bhoskar delivered an enlightening lecture titled "MS Azure AI and Copilot in Financial Research and HR." The lecture aimed to explore the applications of Microsoft's Azure AI and Copilot technologies in enhancing financial research and human resources management. He also explored the potential of Azure AI and Copilot in transforming HR practices and processes along with the discussion on how Azure AI and Copilot can be leveraged to improve financial research and analysis.
Mr. Bhoskar addressed the challenges and considerations associated with implementing Azure AI and Copilot in financial research and HR.

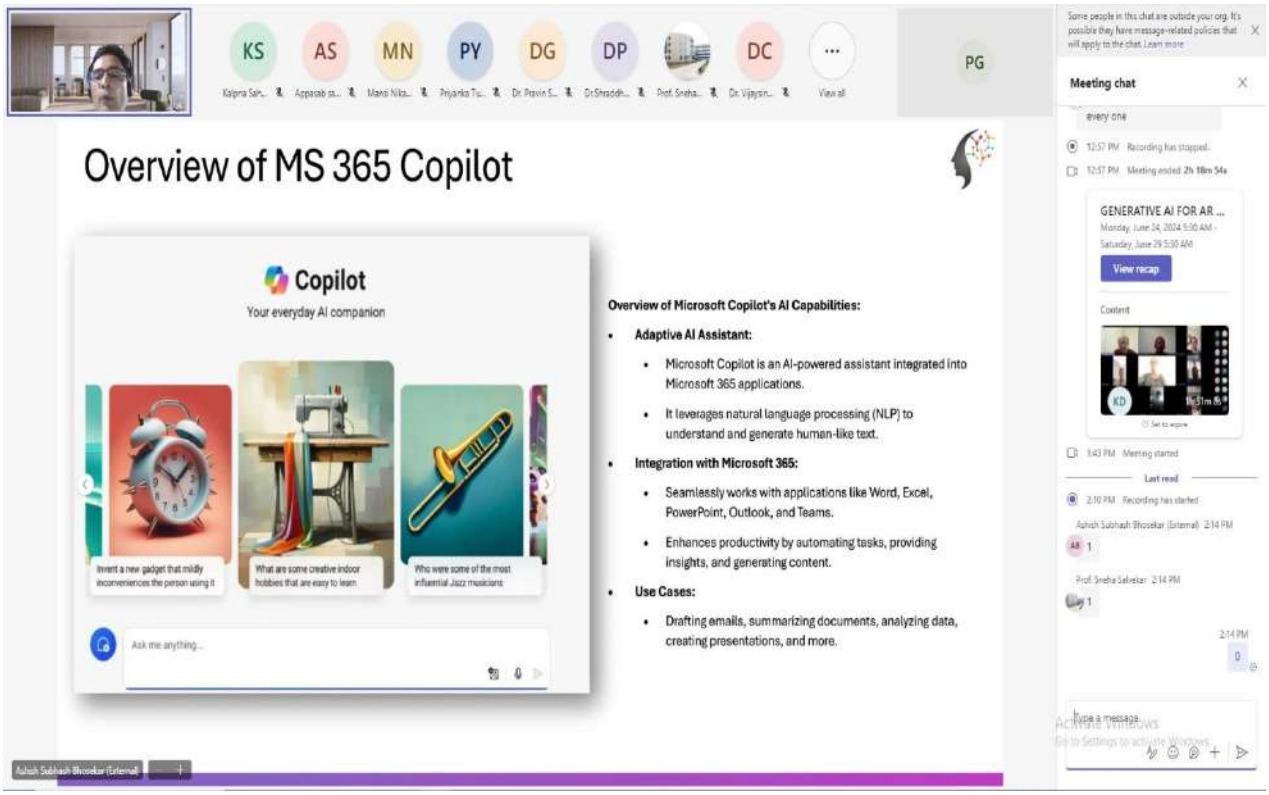


Fig1: Day5_Session2_Overview of MS 365 Copilot

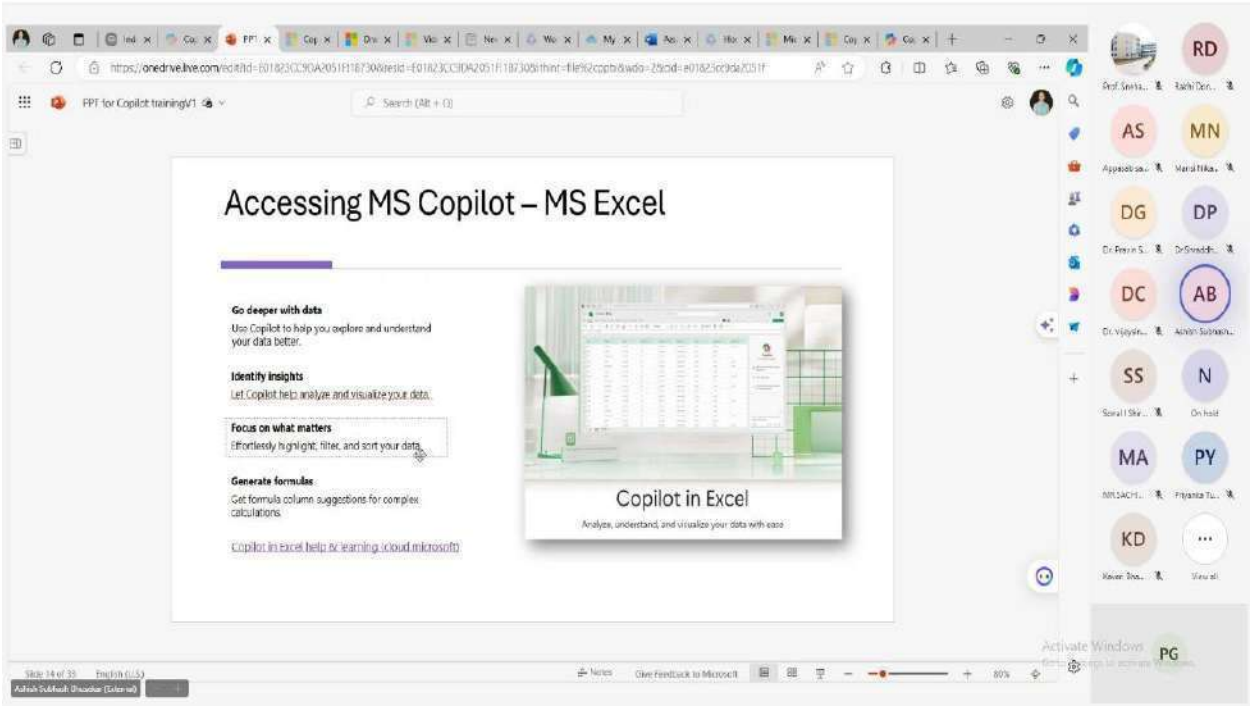


Fig2: Day5_Session2_Accessing MS Copilot-MS Excel

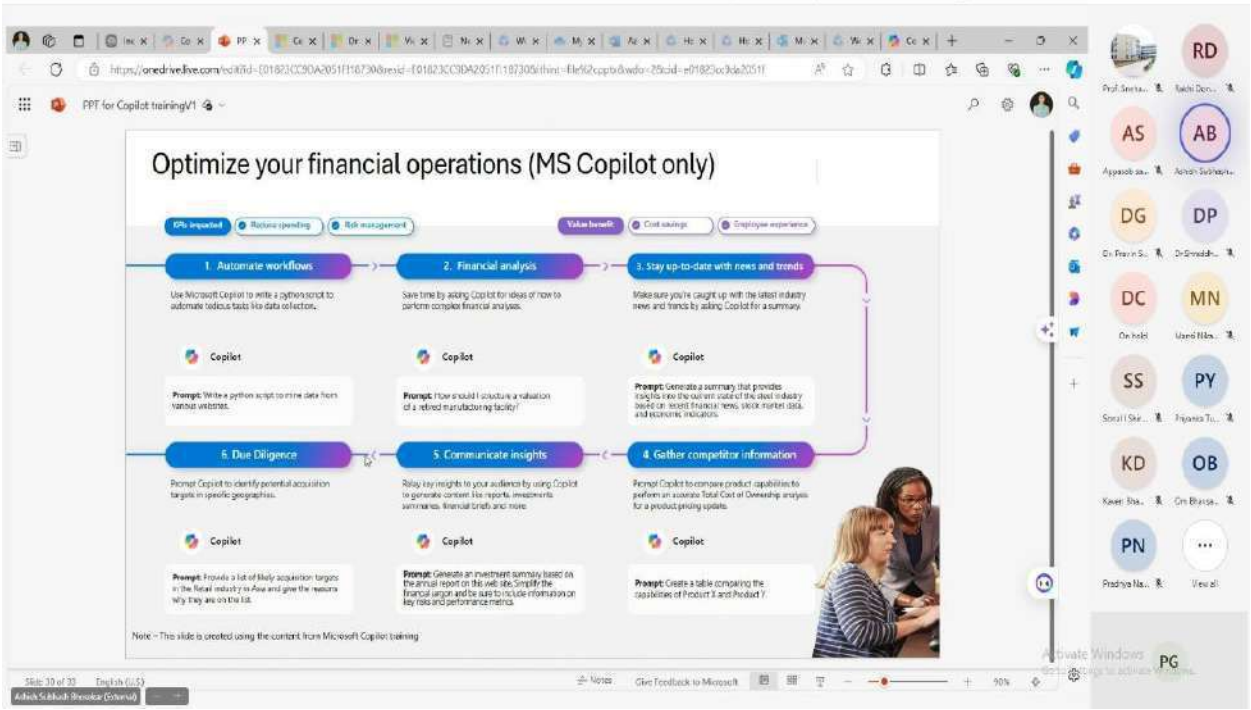


Fig3: Day5_Session2 Optimize your financial operations (MS Copilot only)

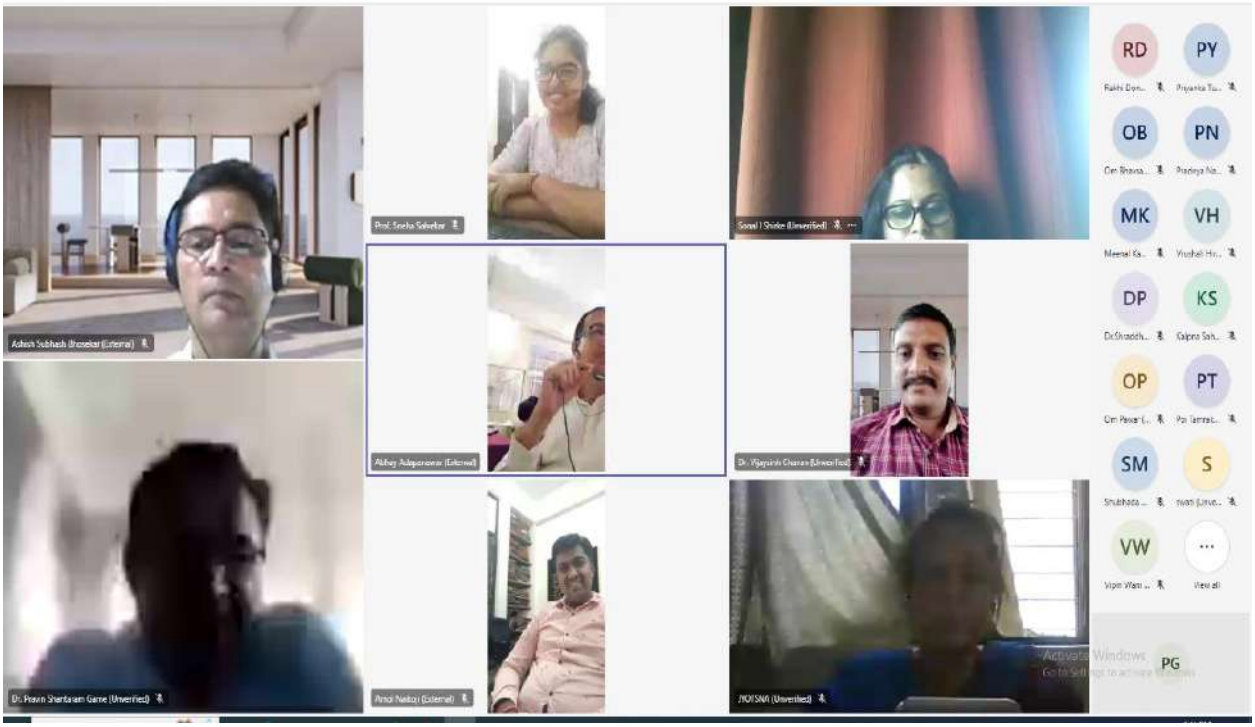


Fig4: Day5_Session2_ Participants with Session Expert (Mr.Ashish Bhosekar)

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Topic: Environmental sustainability through waste utilization

Date of Event: 10th June 2024

Time of Event: 11.00 AM to 1:00 PM

Name of Event Coordinator:
1. Dr. Raviraj R. Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE-STTP Coordinator)
3. Prof. Harsha J. Abhichandani (ISTE Coordinator)

Name of resource Person: 1) Dr. Vihangraj V. Kulkarni

Brief Introduction of Resource Person:

Dr. Vihangraj V. Kulkarni sir is working as assistant Professor in department of civil engineering at NIT Silchar. He graduated with BE Civil from Government college of Engineering, Aurangabad. He completed his post graduation from IIT Guwahati. He has been awarded Ph.D. by IIT Guwahati

Name of Organizer: Civil Engineering Department

Target Audience: 119 (From various institutes)

Brief Description of Event:

Technical Event, ISTE STTP ON "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Vihangraj V. Kulkarni. Nearly 128 Participants had participated in this technical event. The inauguration was started at around 10:30 am. Firstly Introduction of Event was given by Prof. K.V. Mhetre. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. Prof. Sayali Kokane- ISTE coordinator addressed about the event, Overview of the event was explained by Prof. Amruta Chavan- ISTE STTP Coordinator. Introduction of guests was done by Prof. K.V. Mhetre.

Anantrao Pawar College of Engineering & Research Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

After brief introduction, Dr. Vihangraj V. Kulkarni addressed the session by guiding the participants in brief about Environmental sustainability through waste utilization. Sir emphasized to all the participants on Environmental sustainability through waste utilization involves strategies to manage waste more effectively, reducing the environmental impact and converting waste into valuable resources.

Sir explained below approaches to achieving this goal:

1. **Waste Reduction at Source- Minimization**: Reduce waste generation by improving manufacturing processes and designing products to use fewer materials.
2. **Reuse**: Encouraging the reuse of products and materials in their original form.
3. **Recycling-** Material Recycling: Processing waste materials to make them suitable for reuse. For example, recycling plastic, glass, and metals. Recycling: Converting waste materials into new products of better quality or for better environmental value. 3. Circular Economy
4. **Closed-Loop Systems**: Designing systems where waste is minimized and any waste that is generated is used as a resource to create new products.
5. **Product Lifecycle Management**: Extending the life of products through better design, repair, refurbishment, and remanufacturing.

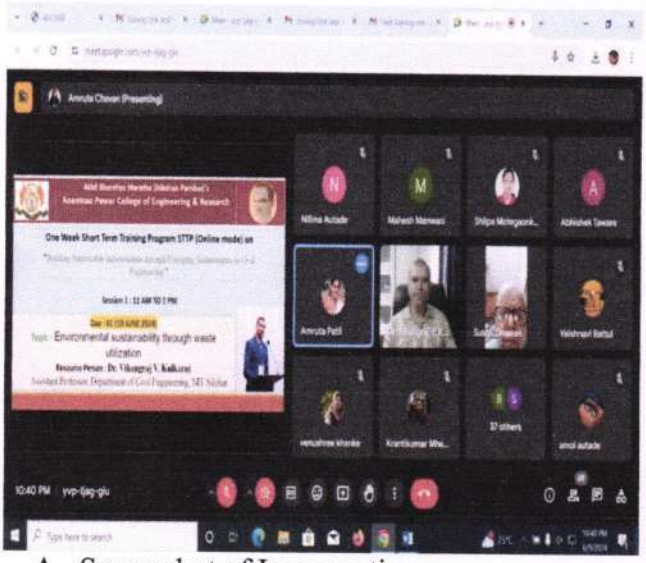
Sir further explained about Environmental sustainability through waste utilization is a multifaceted approach that requires cooperation between governments, industries, and individuals. By implementing a combination of waste reduction, recycling, composting, energy recovery, and innovative technologies, it is possible to minimize the environmental impact of waste and transform it into valuable resources.

Vote of thanks was given by Prof. K. V. Mhetre. Various questions were asked related to civil engineering. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Harsha J. Abhichandani and Prof. Amruta A. Chavan. The event was directed by HOD- Dr. Raviraj R. Sorate .This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

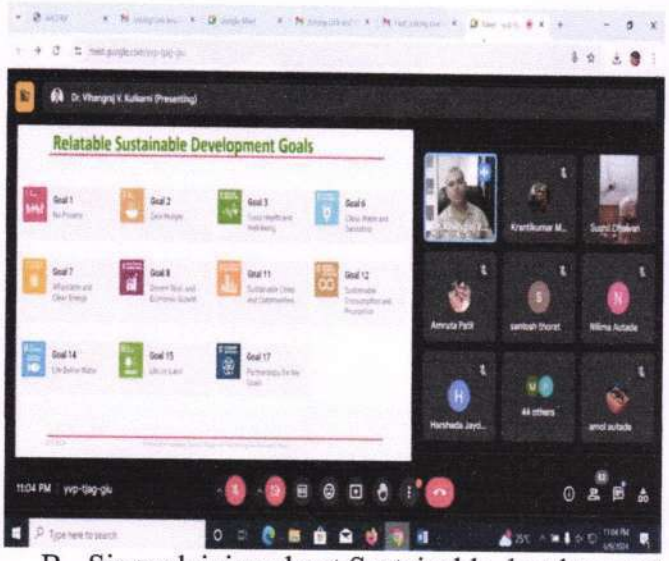
Anantrao Pawar College of Engineering & Research ★ Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**
Event Report		

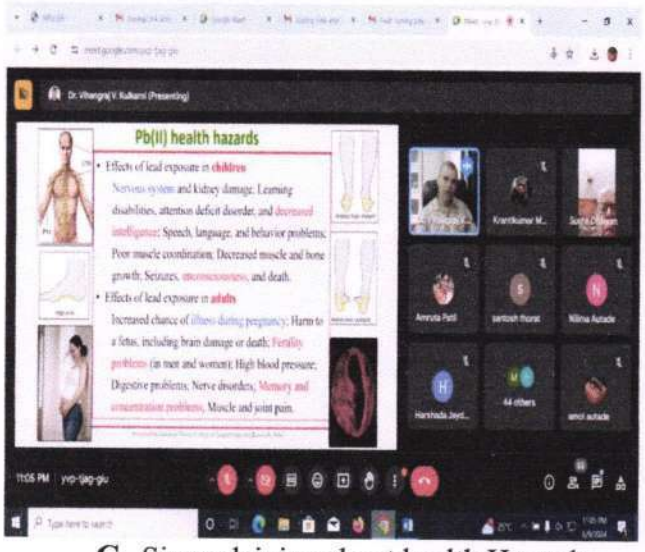
Screenshots of the Expert lecture:



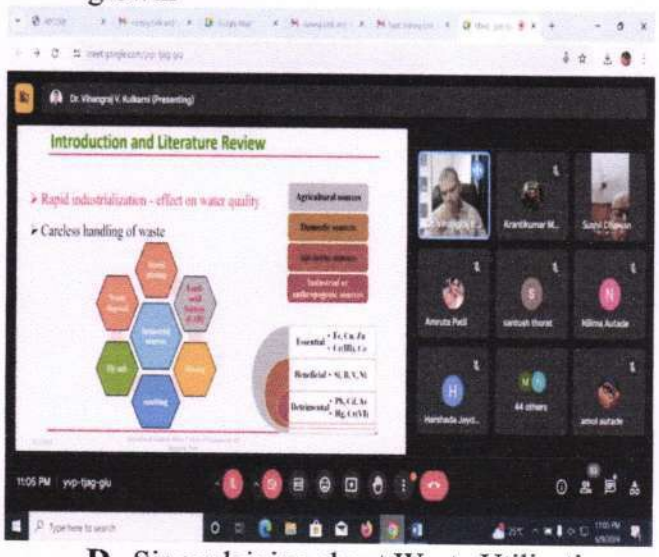
A. Screenshot of Inauguration



B. Sir explaining about Sustainable development growth



C. Sir explaining about health Hazards

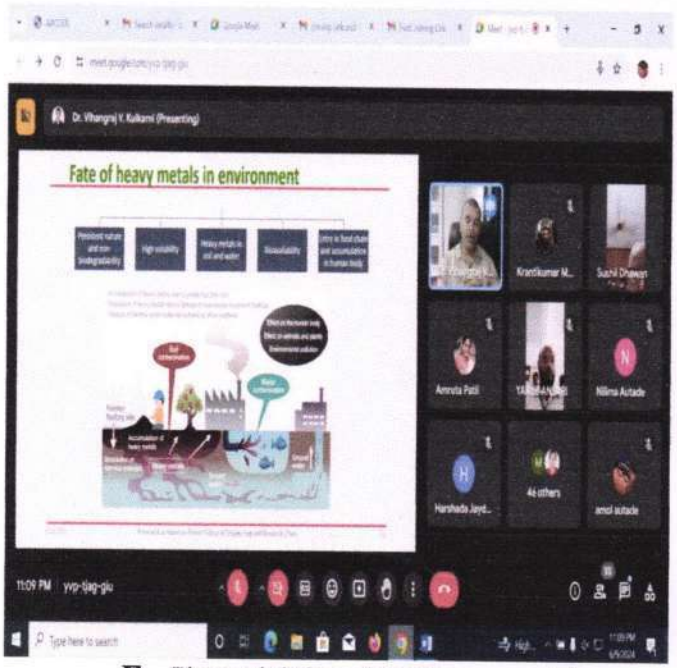


D. Sir explaining about Waste Utilization

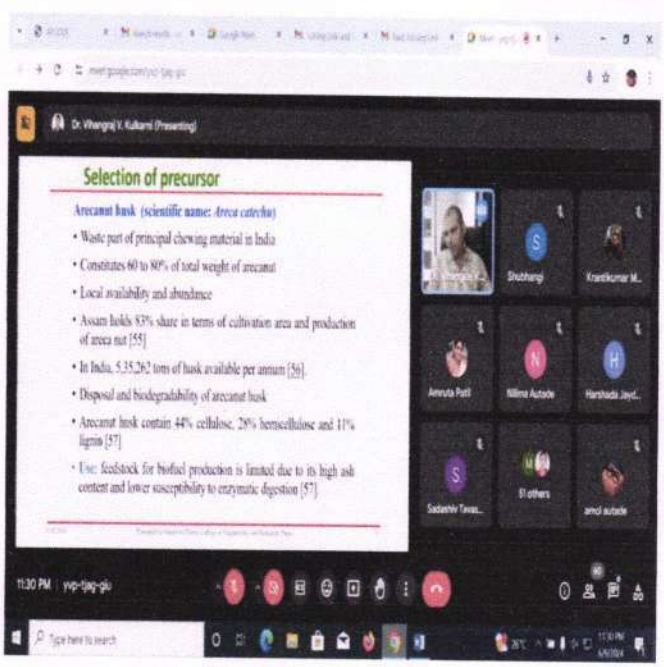
Anantrao Pawar College of Engineering & Research ★ Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report



E. Sir explaining about heavy metals



F. Sir Briefed about precursor

Date: 10/06/2024

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Dr. Sunil B. Thakare
Principal

Head,
Dept. of Civil Engineering
Anantrao Pawar College of Engineering
& Research, Pune-09

Anantrao Pawar College of Engineering & Research ★ Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Topic: Sustainable Development Built Environment for Mankind

Date of Event: 10th June 2024

Time of Event: 2.00 PM to 4:00 PM

Name of Event Coordinator: 1. Dr. Raviraj R. Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE-STTP Coordinator)
3. Prof. Harsha J. Abhichandani (ISTE Coordinator)

Name of resource Person: 1) Dr. Gopal Alapure

Brief Introduction of Resource Person:

Dr. Gopal Alapure is currently working as Head of the Department (HOD) at Department of civil engineering, DPESs DPCOE Pune. He graduated with BE Civil from Cuscrew Wadia Institute of Technology Pune. He completed his post graduation in Civil Engineering with specialization **"Town and Country planning"** from COEP Pune. He has been awarded Ph.D. by IIT Kharagpur

Name of Organizer: Civil Engineering Department

Target Audience: 120 (From various institutes)

Brief Description of Event:

Technical Event, ISTE STTP ON "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Gopal Alapure. Nearly 120 Participants had participated in this technical event. The event was started at 02:00 pm. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. Introduction of guests was done by Prof. N. S. Deshmukh.

After brief introduction, Dr. Gopal Alapure addressed the session by guiding the participants in brief about Sustainable Development Built Environment for Mankhind. Sir explained overview about Sustainable Development. He briefed about concept of Sustainable Development has emerged as positive response to the destructive social and environmental effects of developmental approaches. He also explained about smart cities and urban planning. Sir emphasized on Resilience and Disaster Mitigation- in

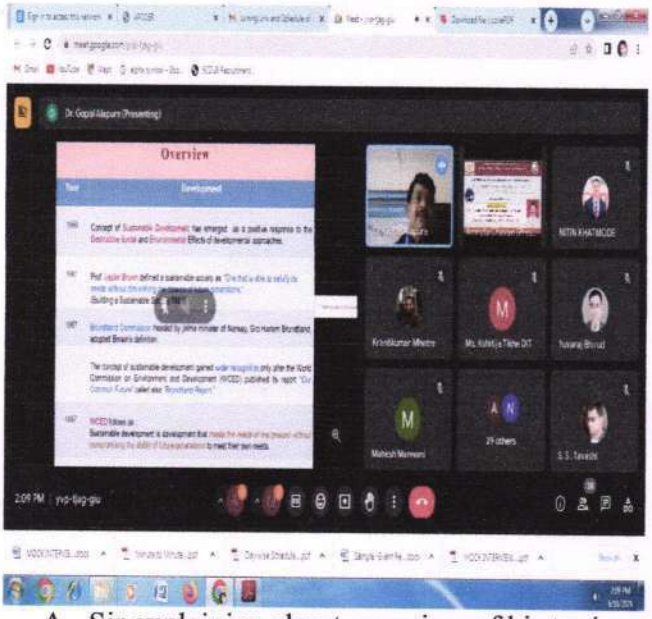
Anantrao Pawar College of Engineering & Research Pune

that prediction with the increasing frequency and severity of natural disasters, Civil Engineering should focus on enhancing resilience and Disaster Mitigation strategies. Sir concluded that:

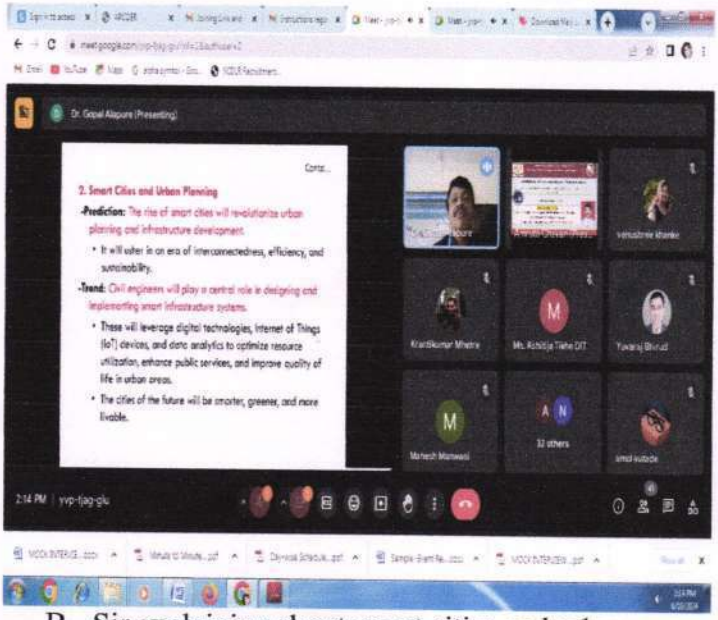
1. The future of Civil Engineering holds immense promise and potential.
2. It is driven by emerging technologies, shifting societal priorities and imperative of sustainability.
3. By embracing innovation, collaboration and commitment to excellence, Civil Engineer will continue to shape the world for better.

Vote of thanks was given by Prof. N. S. Deshmukh. Various questions were asked related to civil engineering. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Screenshots of the Expert lecture



A. Sir explaining about overview of his topic



B. Sir explaining about smart cities and urban planning

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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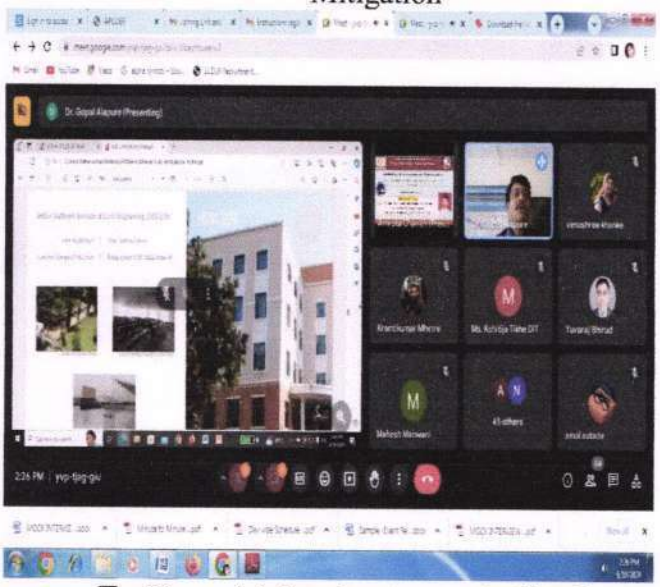
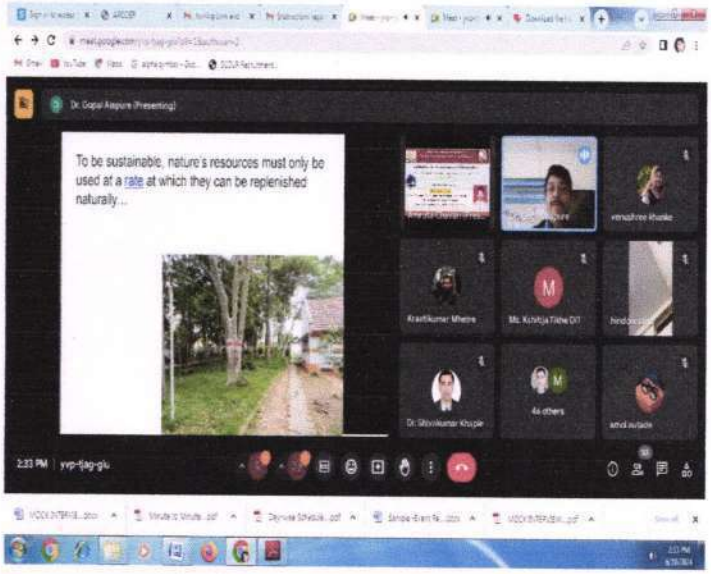
Event Report

C. Sir explaining about Resilience and Disaster Mitigation

D. Sir explaining Green Building Rating System



E. Sir explaining about opportunities in IRICEN



F. Sir Briefed about sustainability

Date: 10/06/2024

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Anantrao Pawar College of Engineering & Research Pune

Dr. Sunil B. Thakare
Principal

Head,
Dept. of Civil Engineering
Anantrao Pawar College of Engineering
& Research, Pune-09

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Topic: Green Synthesis of Artificial Aggregates and Structural Application.

Date of Event: 11th June 2024

Time of Event: 11.00 AM to 1:00 PM

Name of Event Coordinator: 1. Dr. Raviraj R. Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE-STTP Coordinator)
3. Prof. Harsha J. Abhichandani (ISTE Coordinator)

Name of resource Person: 1) Dr. T. Palanisamy

Brief Introduction of Resource Person: Dr. T. Palanisamy,

Dr. T. Palanisamy is currently working as Associate Professor in Department of Civil Engineering at National Institute of Technology Karnataka (NITK), Surathkal, India. He has published 126 articles in journals and conference proceedings at National and International levels. He has delivered more than 194 keynote lectures in various levels, sponsored by AICTE, CSIR, DRDO and DST etc., He also secured funded projects from DST-SERB, DBT, AICTE etc., At present one funded project is going on with worth of 0.38 crore for the "Development of Concrete Battery" and 04 projects was completed as a principal Investigator (PI). He has registered 14 patents along with co – inventors and 5 patent granted. Under his supervision 11 Ph. Ds. was completed and 06 are pursuing. His area of research includes Development of Sustainable Material for Structural Application, Micro-characterization of Concrete and Machine learning. AWARDS: He received 17 awards including the most esteemed award of "Viswakarma Award – 2018" by Planning Commission of India, New Delhi, "Best Faculty Award – 2017", "Bharat Ratna Mother Teresa Award – 2014" and "Dr. APJ Abdul Kalam Gold Medal Award – 2015". The Indian Concrete Journal honored him by "Outstanding Young Concrete Engineer" title.

Name of Organizer: Civil Engineering Department

Target Audience: 120 (From various institutes)

Anantrao Pawar College of Engineering & Research ★ Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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Event Report

Brief Description of Event:

Technical Event, ISTE STTP on "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. T. Palanisamy. Nearly 120 Participants had participated in this technical event. The event was started at around 11:00 am. Firstly Introduction of session was given by Prof. Harsha J Abhichandani. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. Introduction of guests was done by Prof. Prof. Amruta A. Chavan

After brief introduction, Dr. T. Palanisamy, addressed the session by guiding the participants in brief about Green Synthesis of Artificial Aggregates and Structural Application. Sir explained overview about Green Synthesis of Artificial Aggregates and Structural Application. Sir explained about artificial aggregates which are manufactured materials designed to mimic natural aggregates used in construction. Their green synthesis refers to environmentally friendly production processes, utilizing waste materials and sustainable methods. This approach aligns with the growing emphasis on sustainable construction practices.

Sir explained about -**Structural Applications like;**

1. **Concrete Production: Lightweight Concrete:** Aggregates made from fly ash, slag, or rice husk ash can produce lightweight concrete, beneficial for high-rise buildings due to reduced dead load. **High-Strength Concrete:** Certain artificial aggregates can enhance the strength of concrete when appropriately engineered.
2. **Road Construction:** Artificial aggregates can be used in the base, sub-base, and surface layers of roads, offering durability and resistance to weathering.
3. **Precast Concrete Products: Blocks and Pavers:** Manufactured aggregates can be used in the production of various precast products, contributing to sustainable urban infrastructure.
4. **Eco-Friendly Building Materials:** Artificial aggregates can be used to produce eco-bricks and other sustainable building materials.

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Event Report

Advantages of Green Synthesis of Artificial Aggregates

1. **Environmental Benefits:** Reduction in landfill waste by utilizing industrial and municipal waste. Lower carbon footprint compared to the extraction and processing of natural aggregates.
2. **Economic Benefits:** Cost savings through the use of waste materials. Potential for local sourcing of waste materials, reducing transportation costs.
3. **Material Properties:** Tailor-made properties to meet specific construction needs. Enhanced durability and performance in certain applications.

The green synthesis of artificial aggregates offers a promising path towards sustainable construction, leveraging waste materials to produce high-performance building materials. Continued research and development, coupled with industry collaboration, are essential to overcoming challenges and maximizing the potential of these innovative materials in structural application

Vote of thanks was given by Prof. Amruta A. Chavan. Various questions were asked related to civil engineering. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Anantrao Pawar College of Engineering & Research ★ Pune

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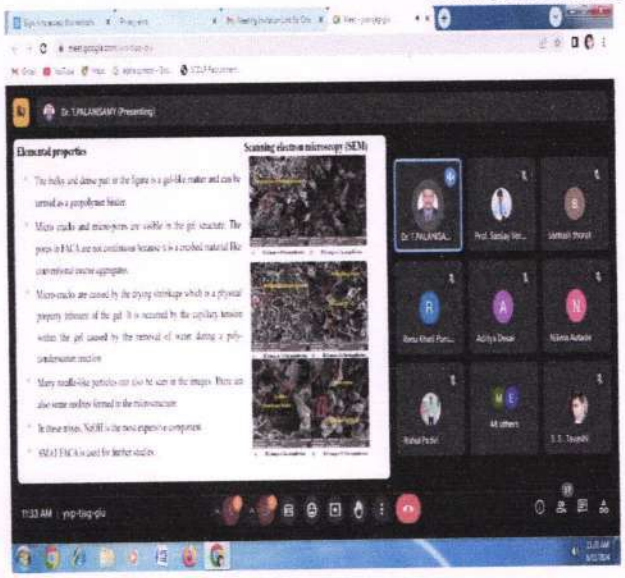
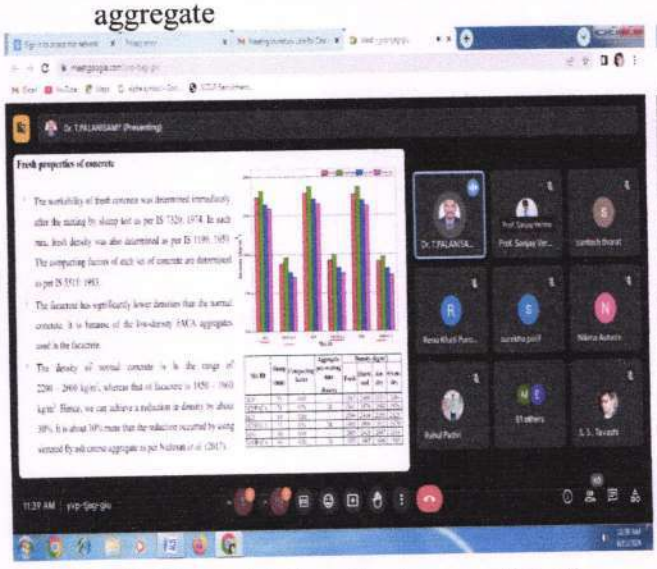
Screenshots of the Expert lecture

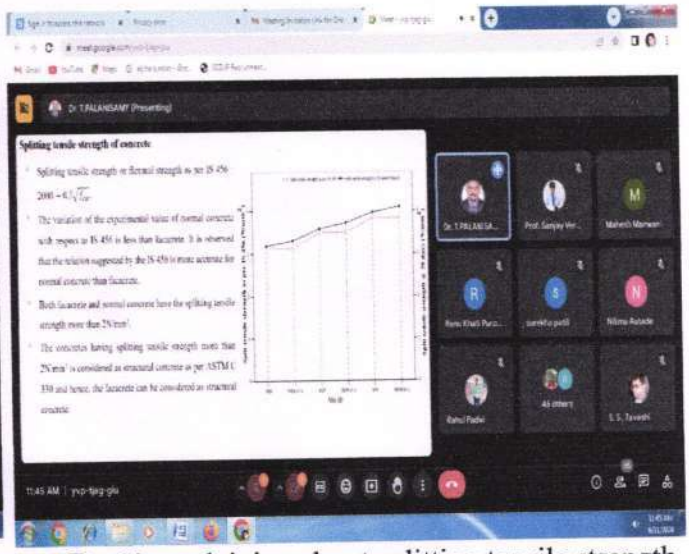


A. Sir explaining about properties of aggregate

B. Sir explaining about mix proportions



C. Sir explaining about properties of concrete



D. Sir explaining about splitting tensile strength of concrete

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

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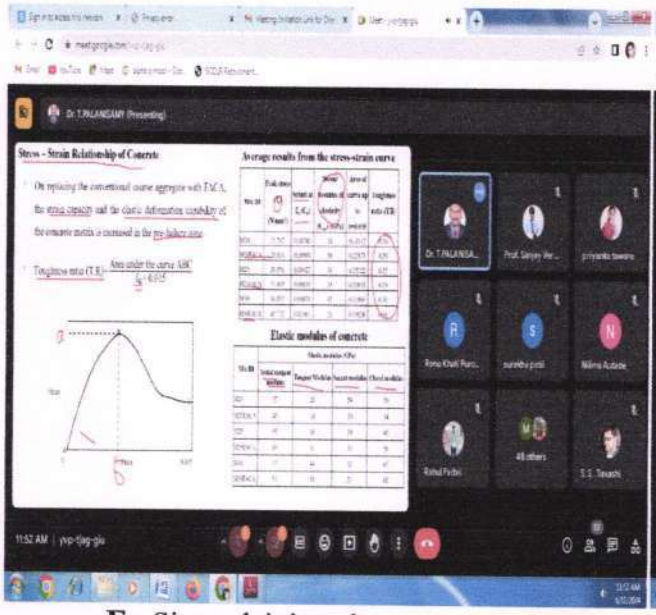
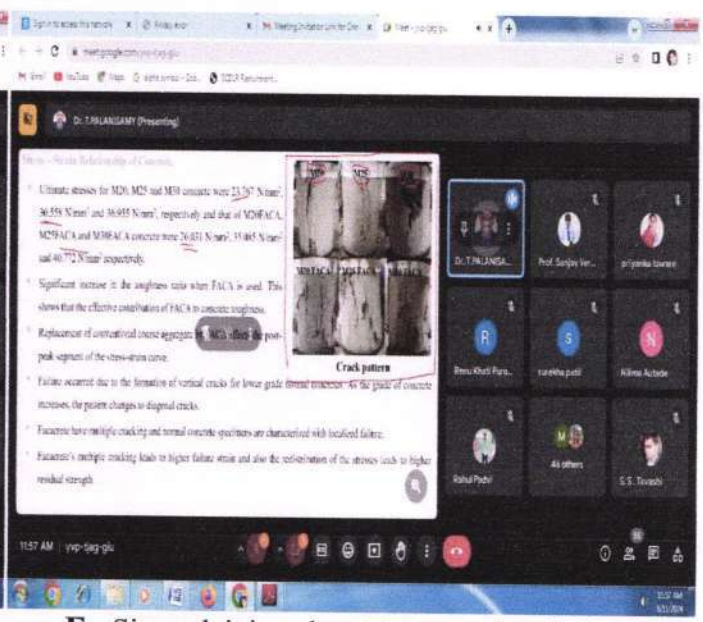


E. Sir explaining about stress strain relationship of concrete



F. Sir explaining about stress strain relationship of concrete

Date: 11/06/2024

Anantrao Pawar College of Engineering & Research Pune

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Dr. Sunil B. Thakare
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Head,
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& Research, Pune-09

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Topic: Empirical and Theoretical Accidental Investigations in relation with Geopathic stress for Safe & Sustainable development of National Highways & Expressways.

Date of Event: 11th June 2024

Time of Event: 2.00 PM to 4:00 PM

Name of Event Coordinator:
1. Dr. Raviraj R. Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE-STTP Coordinator)
3. Prof. Harsha J. Abhichandani (ISTE Coordinator)

Name of resource Person: 1) Dr. Raviraj R. Sorate

Brief Introduction of Resource Person: Dr. Raviraj R. Sorate
Associate Professor & HOD, Department of Civil Engineering,
ABMSP's Anantrao Pawar College of Engineering and Research, Pune

Name of Organizer: Civil Engineering Department

Target Audience: 120 (From various institutes)

Brief Description of Event:

Technical Event, ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Raviraj R. Sorate. Nearly 120 Participants had participated in this technical event. The event was started at 2:00 pm. Firstly Introduction of session was given by Prof. A. A. Autade. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. Introduction of guests was done by Prof. Amruta A. Chavan

After brief introduction, Dr. Raviraj R. Sorate addressed the session by guiding the participants in brief about Empirical and Theoretical Accidental Investigations in relation with Geopathic stress for Safe & Sustainable development of National Highways & Expressways. Sir explained overview Empirical and Theoretical Accidental Investigations in relation with Geopathic stress for Safe & Sustainable development of National Highways & Expressways.

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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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Event Report

Geopathic stress refers to natural and man-made energies emanating from the earth, which can negatively affect human health and behavior. Investigating the influence of geopathic stress on road safety is essential for the safe and sustainable development of national highways and expressways. This approach combines empirical data and theoretical models to understand the potential impact of geopathic stress on accidents and to develop mitigation strategies.

Sir briefed about Geopathic stress that arises from various sources - Natural Sources: Fault lines, underground water streams, and specific mineral compositions. Man-made Sources**:** High-voltage power lines, underground tunnels, and extensive use of reinforced concrete.

Empirical Investigations-Accident Data Collection: Historical Accident Data: Collect data from police reports, highway agencies, and insurance companies. Geo location of Accidents: Map accident locations using GIS technology to identify hotspots. Field Studies: Detection Tools: Use dowsing rods, geomagnetic surveys, and EMF meters to detect geopathic zones. Driver Surveys: Collect anecdotal evidence from drivers who regularly use these routes, focusing on experiences in suspected geopathic zones.

Sir discussed about Correlation and Analysis in that Spatial Analysis, Comparative Studies, Understanding the role of geopathic stress in road safety is crucial for the sustainable development of highways and expressways. By combining empirical data and theoretical frameworks, we can identify risk factors and develop strategies to mitigate the effects of geopathic stress. This comprehensive approach ensures safer and more sustainable transportation infrastructure, benefiting both drivers and the environment.

Vote of thanks was given by Prof. Amruta A. Chavan. Various questions were asked related to civil engineering. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without

Anantrao Pawar College of Engineering & Research ★ Pune

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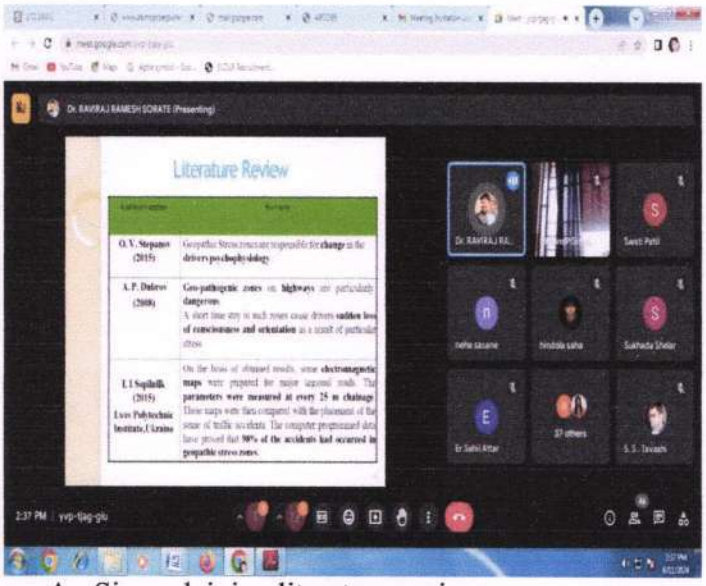
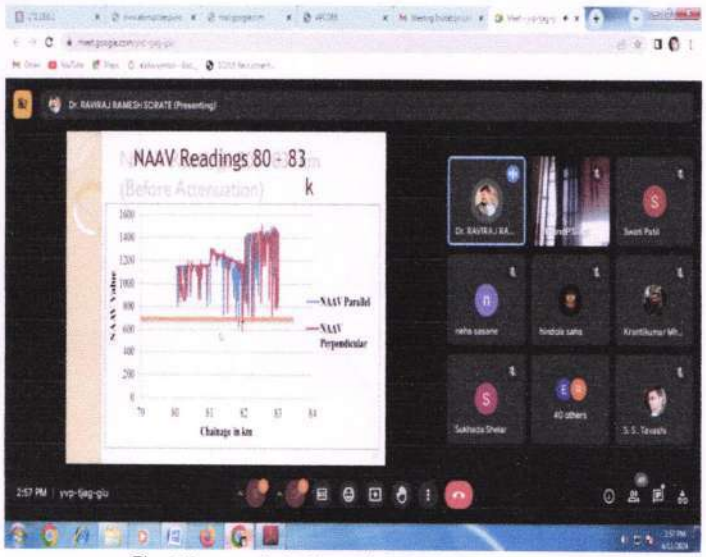
mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Screenshots of the Expert lecture:

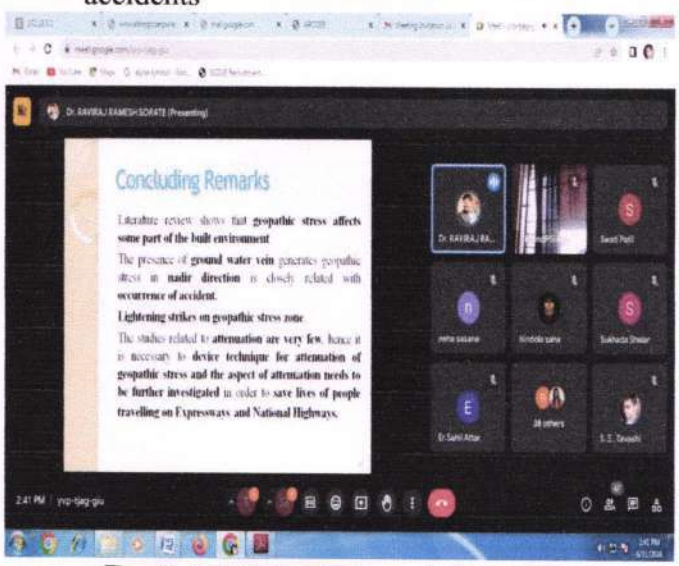


A. Sir explaining literature review

B. Sir explaining about Geopathic stress and road accidents



C. Sir explaining about NAAV reading



D. Sir briefed about concluding remarks

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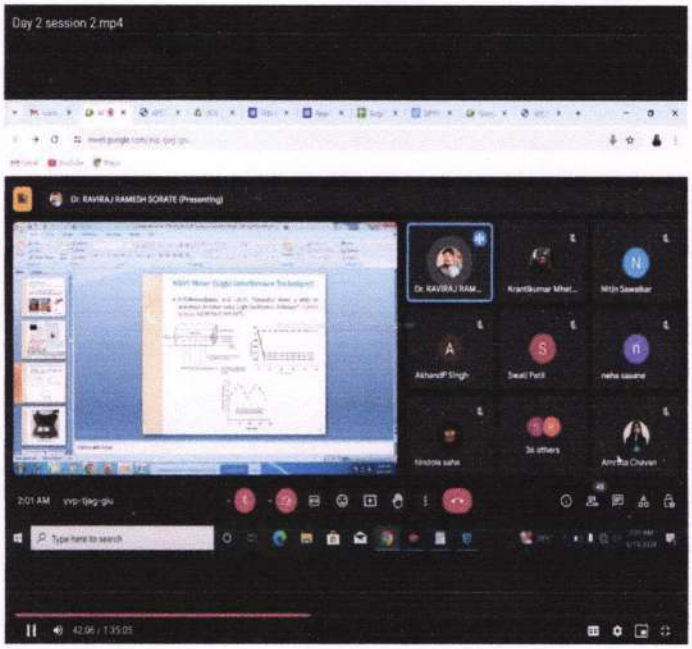
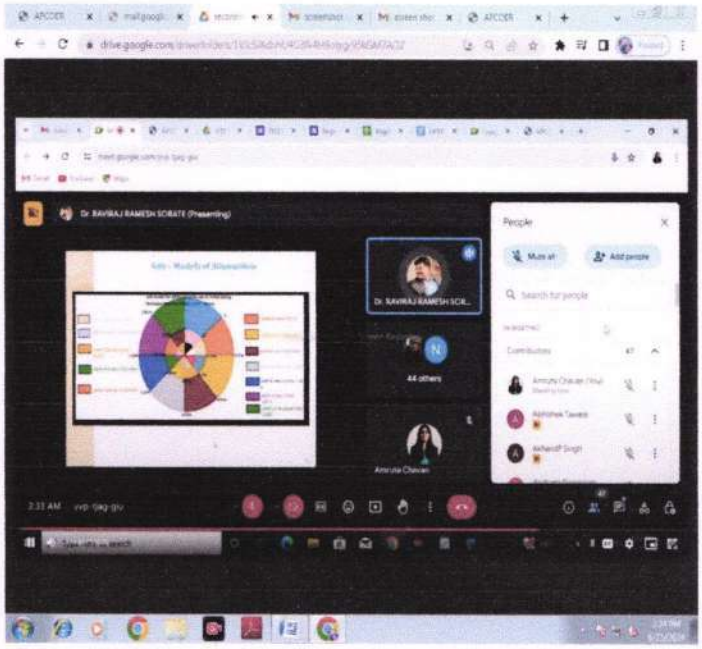


E. Sir explaining about NAAV



F. Sir explaining about models of attenuation

Date: 11/06/2024

Anantrao Pawar College of Engineering & Research Pune

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Dr. Sunil B. Thakare
Principal

Head,
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Anantrao Pawar College of Engineering
& Research, Pune-09

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Topic: Sustainable and eco friendly concrete options for the future.

Date of Event: 12th June 2024

Time of Event: 11.00 AM to 1:00 PM

Name of Event Coordinator: 1. Dr. Raviraj R. Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE-STTP Coordinator)
3. Prof. Harsha J. Abhichandani (ISTE Coordinator)

Name of resource Person: 1) Dr. Sanjay Koyande

Brief Introduction of Resource Person:

Dr. Sanjay Koyande, CMD - CCRT Laboratories Private Limited Thane.

Accolades

1. Pride of Maharashtra - Young Achievers Award –Contribution in Construction Industry by CMO Asia
2. COVID Yoddha Udyojak – Exceptional Entrepreneurial work during Covid period by Mumbai Tarun Bharat at the hands of then Maharashtra State Governor Shree B S Koshyari.
3. Recognition by Federation of Industries of India for support in its industrial association activities for the fraternity at the hands of Padmavibhushan Dr Raghunath Mashelkar
4. CII 3R Award – Excellence in Sustainable Waste Management –for efforts in managing waste in India through innovative solutions by Confederation of India Industry – CII at the hands of Padmashree Prof Anil Gupta

Sir is having Experience of 30+ years in the areas of construction and refractory industry spanning different sections of it. Construction – Research in alternate cements, rapid hardening concretes, environment friendly materials for construction applications. Construction stability, Retrofits and rehabilitation, Quality management, Construction Material manufacturing, Project Quality Monitoring, Construction waste management. Refractory – Product selection, Raw material beneficiations, Product development, Product application quality management, product failures assessment and remedies.

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Event Report

Refractory waste management Commercials Achievements As an organization group is actively serving the European, Middle East, African and Asian continent based multinationals. Also, there are 3 branches in India to cater to Indian conglomerates. All this is possible with international accreditation of ISO 17025. On successful development of innovative products to solve problem of potholes, Construction debris based readymade plaster and other products, manufacturing facility is established to scale up these innovations and to establish the proof of concept.

Name of Organizer: Civil Engineering Department

Target Audience: 120 (From various institutes)

Brief Description of Event:

Technical Event, ISTE STTP on "Building Sustainable Infrastructure through Emerging Technologies" in Civil Engineering at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Sanjay Koyande. Nearly 120 Participants had participated in this technical event. The event was started at around 11:00 am. Firstly Introduction of session was given by Prof. R. P. Gaikwad. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. Introduction of guest was done by Prof. Prof. Amruta A. Chavan.

After brief introduction, Dr. Sanjay Koyande, addressed the session by guiding the participants in brief about Sustainable and eco friendly concrete options for the future. Sir explained overview about Sustainable and eco friendly concrete options for the future. Sir briefed about cement technology .He also talked about impact of new innovations in cement technology, new technology in formwork. For new technology skilled manpower is required. Sir told about steel and other material, he said, we can build up to G+3 without any steel by using Bamboo. He said now a day's hydrogen is used in Jindal steel. Green initiative are very important to save the nature.

Sir explained importance of various software used in Civil Engineering construction. He told material wastage can be reduced by using software. Sir also discussed use of AI in infrastructural industry.

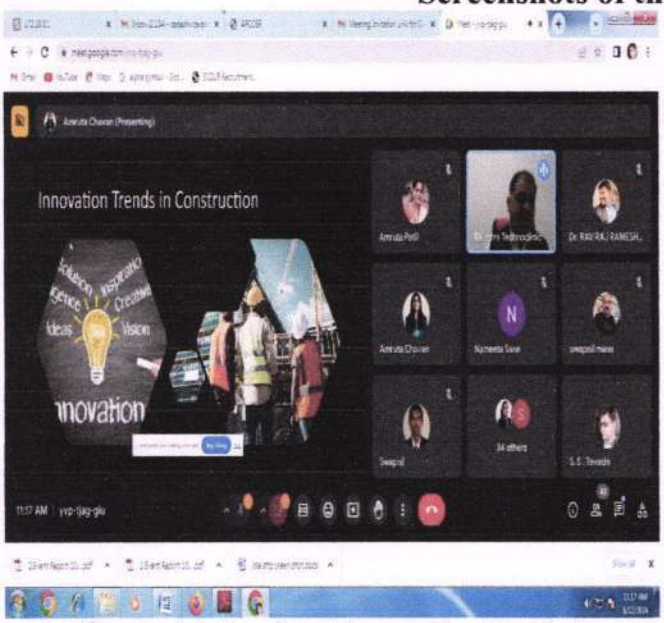
Sir told one of the new concepts that are UHPC (Ultra High Performance Concrete), such type of concrete is having more than M150 grade. Advantages – UHPC is used in High rise building, in bridge manufacturing. He told IIT Pawai is working on UHPC cement. Drones are used for quality monitoring on

Anantrao Pawar College of Engineering & Research ★ Pune

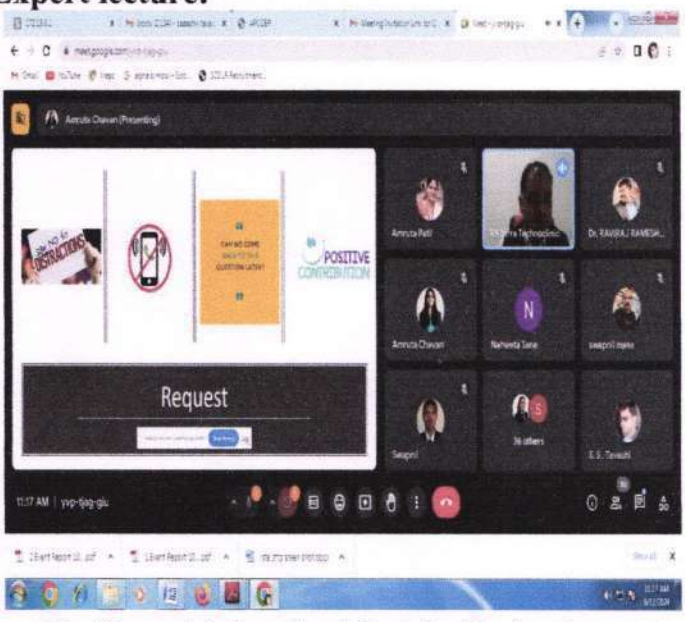
site. Sir also focused on concrete variants, grapheme is future for the concrete, wet waste used in concrete, panting technology.

Vote of thanks was given by Prof. Amruta A. Chavan. Various questions were asked related to civil engineering. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. The event was directed by HOD- Dr. Raviraj R. Sorate .This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Screenshots of the Expert lecture:



A. Sir explaining about innovation trends in construction.



B. Sir explaining about Sustainable development growth

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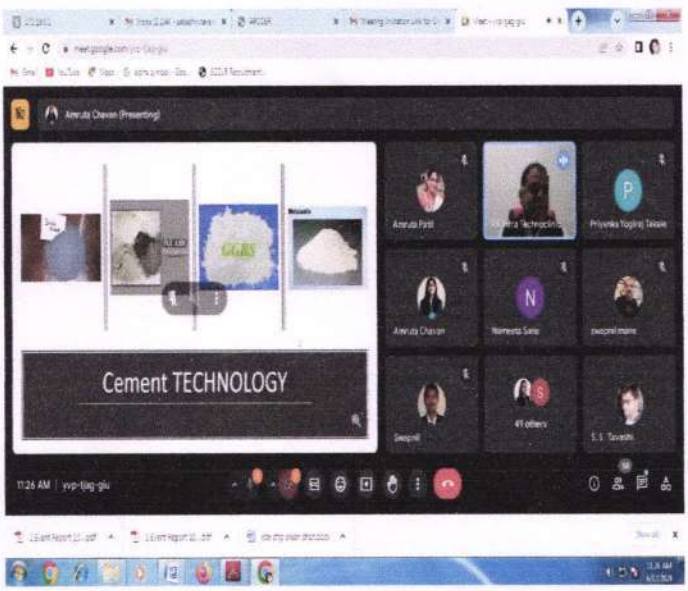
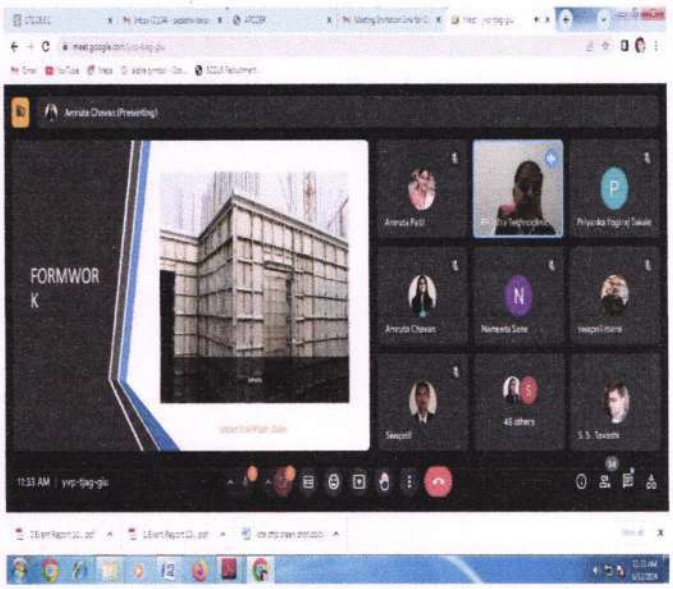
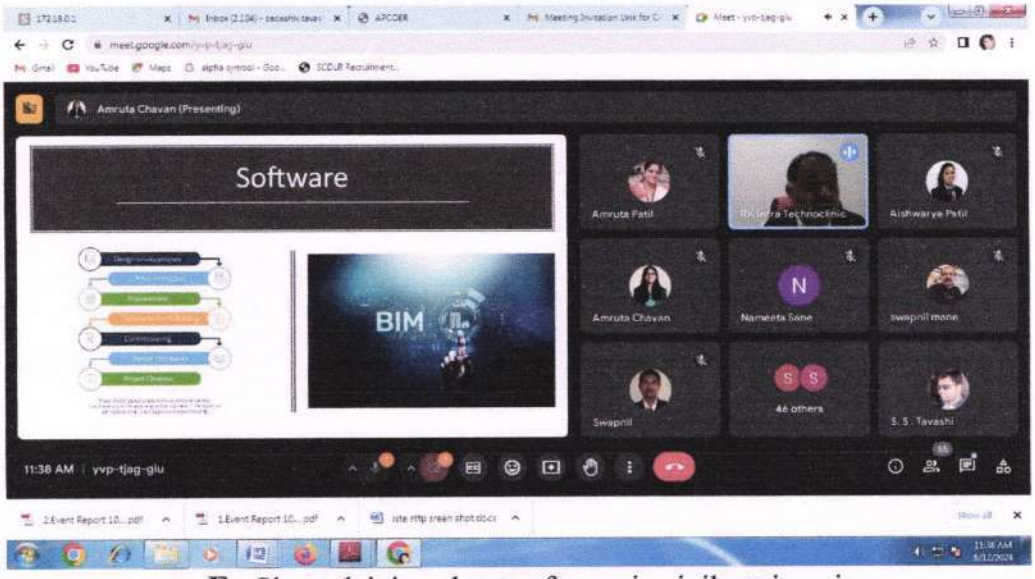


C. Sir explaining about cement technology



D. Sir explaining about formwork



E. Sir explaining about software in civil engineering

Date: 12/06/2024

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Anantrao Pawar College of Engineering & Research Pune

Dr. Sunil B. Thakare
Principal

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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Topic: Role of Geospatial techniques in disaster management

Date of Event: 12th June 2024

Time of Event: 2.00 PM to 4:00 PM

Name of Event Coordinator: 1. Dr. Raviraj R. Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE-STTP Coordinator)
3. Prof. Harsha J. Abhichandani (ISTE Coordinator)

Name of resource Person: 1) Dr. Sudarshan Sampatrao Bobade

Brief Introduction of Resource Person:

Dr. Sudarshan Sampatrao Bobade, Associate Professor & HOD, Department of Civil Engineering Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering & Research Ravet, Pune

Name of Organizer: Civil Engineering Department

Target Audience: 120 (From various institutes)

Brief Description of Event:

Technical Event, ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Sudarshan Sampatrao Bobade. Nearly 120 Participants had participated in this technical event. The event was started at around 2:00 pm. Firstly Introduction of session was given by Prof. A. A. Autade. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. Introduction of guests was done by Prof. Prof. Amruta A. Chavan

After brief introduction, Dr. Sudarshan Sampatrao Bobade, addressed the session by guiding the participants in brief about Role of Geospatial techniques in disaster management. Sir explained overview about Role of Geospatial techniques in disaster management. Sir talked about aim and objectives of the study. As per sir, the aim of his present study is to suggest methodology for effect of soil characteristic and modified drainage on health betterment of existing and proposed ERS.

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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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Event Report

Sir focuses on Geospatial techniques that play a crucial role in disaster management by providing valuable data, analysis, and tools for all phases of disaster management: preparedness, mitigation, response and recovery. Here are some key roles and applications of geospatial techniques in disaster management

Risk Assessment and Mapping

Hazard Mapping: Identifying and mapping areas prone to natural disasters such as earthquakes, floods, hurricanes, landslides, and wildfires. Vulnerability Assessment: Analyzing the exposure and susceptibility of populations, infrastructure, and assets to potential hazards. Risk Mapping: Combining hazard and vulnerability maps to produce comprehensive risk maps that highlight areas at greatest risk.

Preparedness

Early Warning Systems: Using remote sensing and GIS (Geographic Information Systems) to develop and implement early warning systems for impending disasters. Evacuation Planning: Mapping evacuation routes and shelters, and simulating evacuation scenarios to improve readiness. Resource Allocation: Identifying and mapping locations of critical resources and infrastructure to ensure effective deployment during emergencies.

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Mitigation

Land Use Planning**:** Using GIS to inform land use planning and zoning regulations to minimize disaster risk.

Infrastructure Design: Assessing the suitability of locations for infrastructure projects and ensuring they are built to withstand potential hazards.

Environmental Management: Implementing measures to protect and restore ecosystems that can mitigate disaster impacts, such as wetlands for flood control.

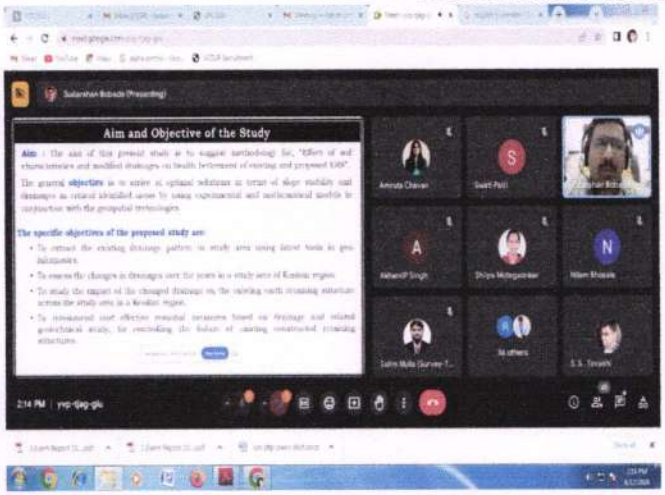
Technologies Involved

Remote Sensing: Satellites, drones, and other aerial platforms capture imagery and other data to monitor and assess disaster impacts. Geographic Information Systems (GIS)**:** Tools for storing, analyzing, and visualizing spatial data, which are essential for mapping hazards, vulnerabilities, and response activities. Global Positioning System (GPS)**:** Provides precise location data for mapping and navigating during disaster response and recovery operations. Geospatial Data Analysis: Techniques for processing and analyzing spatial data to extract meaningful information for disaster management.

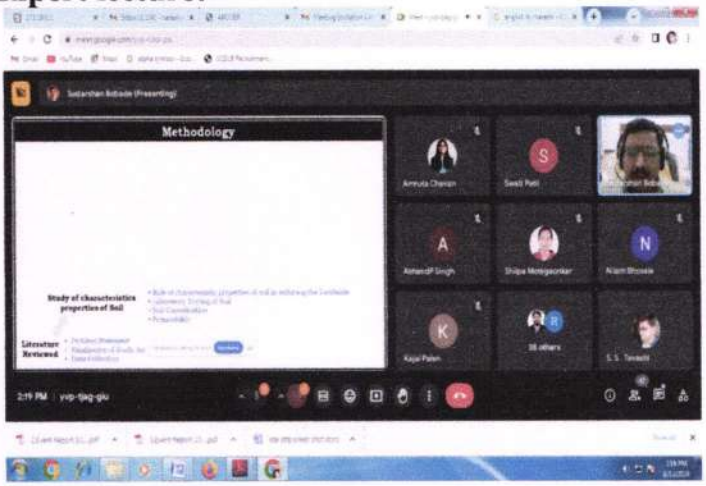
Vote of thanks was given by Prof. Amruta A. Chavan. Various questions were asked related to civil engineering. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	
	Event Report	

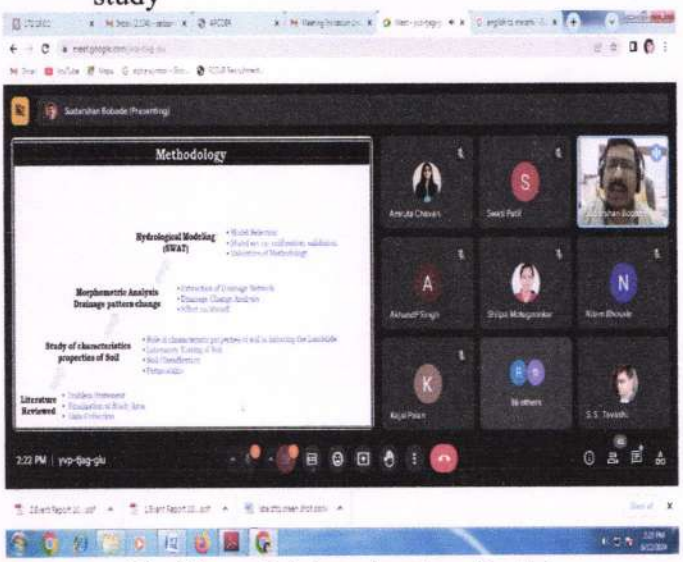
Screenshots of the Expert lecture:



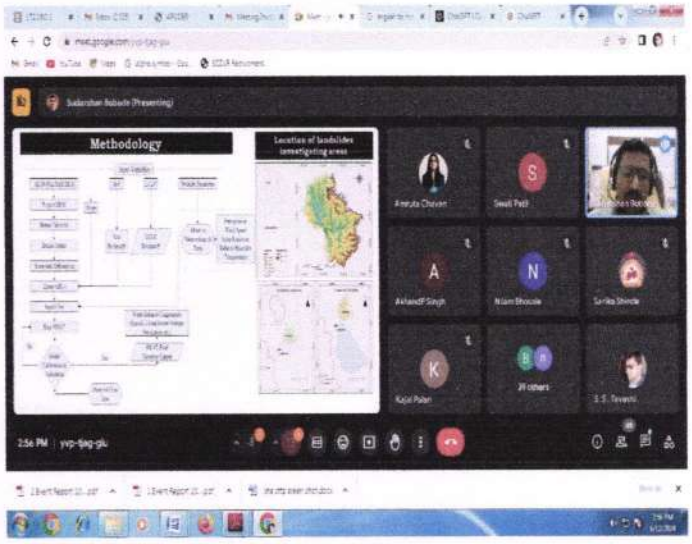
A. Sir explaining about aim and objective of the study



B. Sir explaining about methodology



C. Sir explaining about methodology



D. Sir explaining about methodology

Date: 12/06/2024

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Anantrao Pawar College of Engineering & Research Pune

Dr. Sunil B. Thakare
Principal

Head,
Dept. of Civil Engineering
Anantrao Pawar College of Engineering
& Research, Pune-09

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Name of resource Person: Dr. Selva Balan

Brief Introduction of Resource Person:

Dr. Selva Balan,

Joint Director, Instrumentation Dept., CWPRS, Pune

Topic: Advancement in technology

Date of Event: 13th June 2024

Time of Event: 11.00 AM to 1:00 PM

Name of Event Coordinator:
1. Dr. Raviraj R Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE-STTP Coordinator)
3. Prof. Harsha J Abhichandani (STTP Coordinator)

Name of Organizer: Civil Engineering Department

Target Audience: 120 (Faculty from various institute, research scholar and industrial person)

Brief Description of Event:

One Week Short Term Training Program STTP **on "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Selva Balan, Nearly 142 Participants had participated in this One Week Short Term Training Program STTP. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. The session started at around 11:00 am. Firstly introduction of the guest was given by Prof. R. P. Gaikwad.

After brief intoduction, Dr. Selva Balan, addressed the session by guiding the participants in brief about advancement in technology. Advancements in technology have dramatically transformed various aspects of society, economy and daily life. Here are some notable areas where technology has made significant progress. Sir has explained detailed applications of each technology. Sir also explained about these advancements are not only pushing the boundaries of what is possible but also reshaping industries, creating new economic opportunities, and addressing global challenges. The pace of technological change continues to accelerate, promising even more revolutionary developments in the near future.

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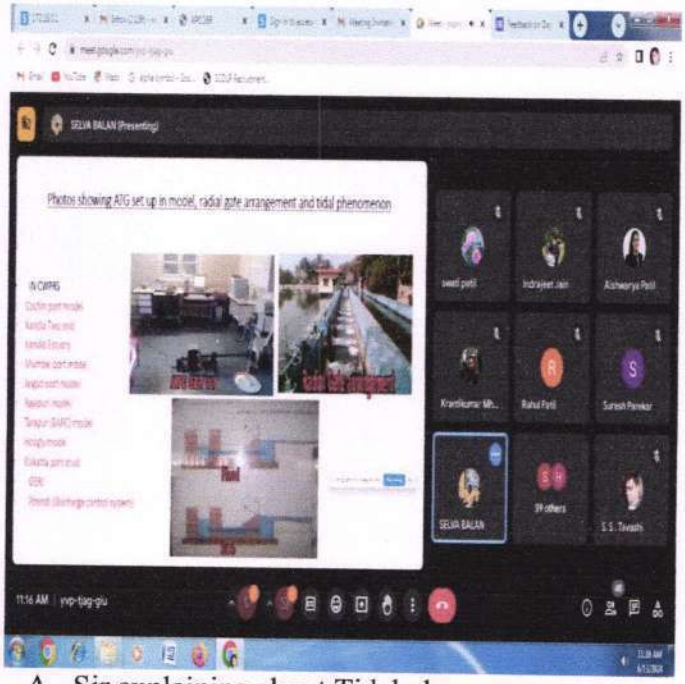
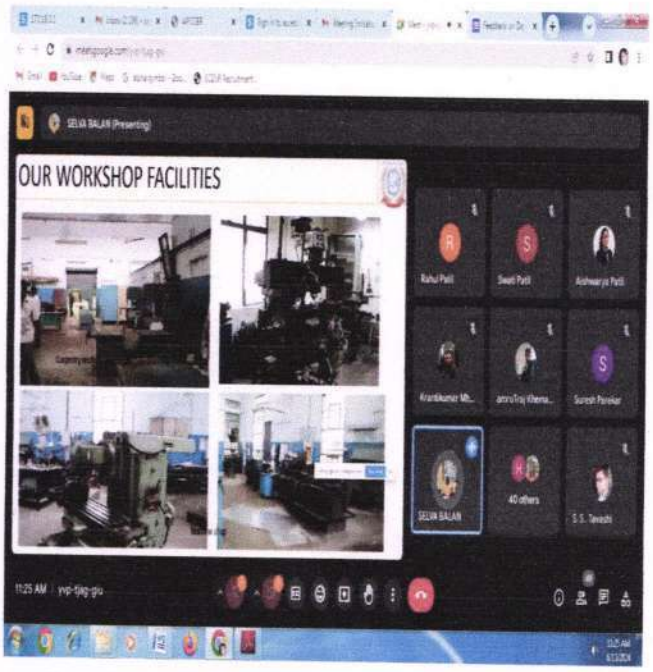
	Event Report	

Various questions and doubts were asked related to civil engineering .Vote of thanks was given by Prof. Harsha J. Abhichandani. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Screenshots of the Expert lecture:



A. Sir explaining about Tidal phenomenon



B. Sir explaining about workshop facilities at CWPRS

Anantrao Pawar College of Engineering & Research
Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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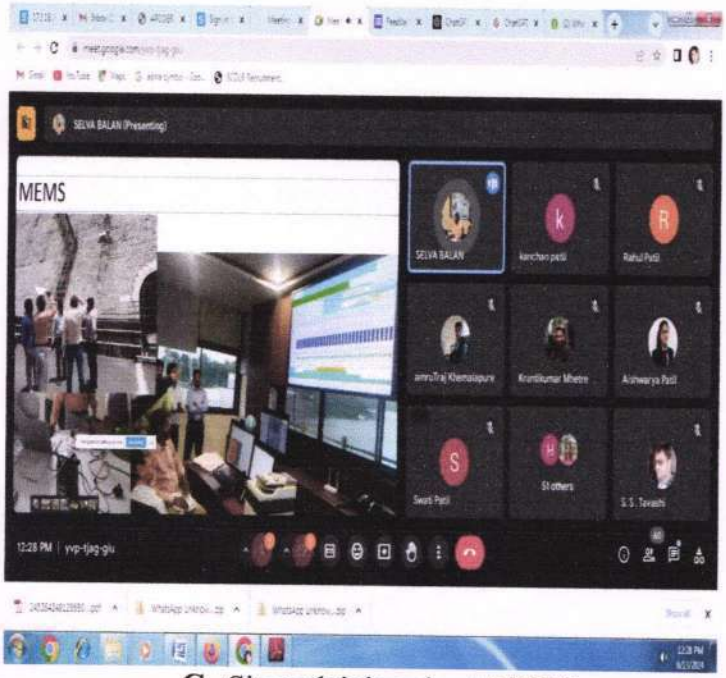
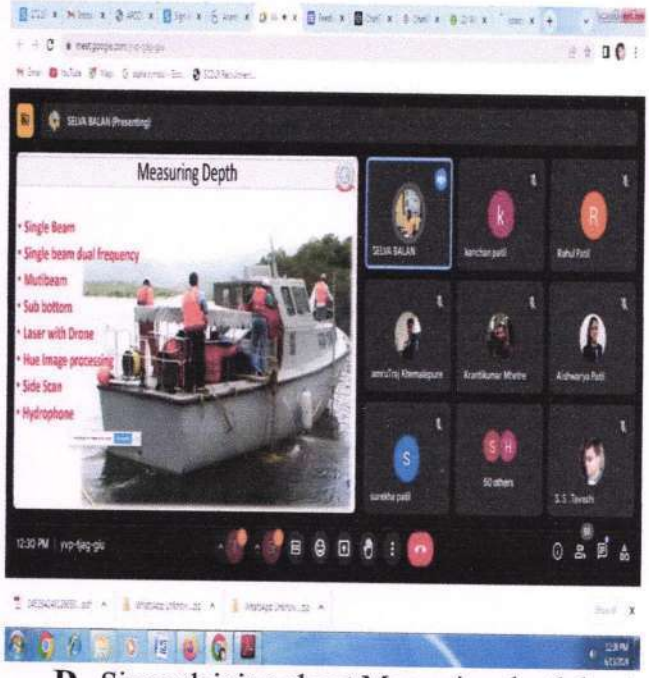
	Event Report	



C. Sir explaining about MEMS



D. Sir explaining about Measuring depth boat

Date: 13/06/2024

Anantrao Pawar College of Engineering & Research ★ Pune

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Dr. Sunil B. Thakare
Principal

Head,
Dept. of Civil Engineering
Anantrao Pawar College of Engineering
& Research, Pune-09

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Name of resource Person: Dr. Sachin Kumar Jain

Brief Introduction of Resource Person: Dr. Sachin Kumar Jain, IGS Member, Pune Chapter

Topic: High Technologies in Sustainable Construction

Date of Event: 13th June 2024

Time of Event: 02.00 PM to 04:00 PM

Name of Event Coordinator:
1. Dr. Raviraj R Sorate (STTP Co-convener)
2. Prof. Amruta A. Chavan (ISTE- STTP Coordinator)
3. Prof. Harsha J Abhichandani (STTP Coordinator)

Name of Organizer: Civil Engineering Department

Target Audience: 120 (Faculty from various institute, research scholar and industrial person)

Brief Description of Event:

Technical Event, ISTE STTP ON "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Sachin Kumar Jain.. Nearly 132 Participants had participated in this One Week Short Term Training Program STTP. A welcome speech was given by HOD - Dr. Raviraj R. Sorate.The session started at around 02:00 PM. Firstly introduction of the guest was given by Prof. A.S.Autade.

After brief introduction, Dr. Sachin Kumar Jain, addressed the session by guiding the participants in brief about high technologies for sustainable construction. Sir also explained that, Sustainable construction technologies are transforming the building industry by reducing environmental impact, enhancing energy efficiency, and improving the overall sustainability of construction projects. Here are some of the high technologies currently making significant strides in sustainable construction. Sir talked about various new concepts. These high technologies are not only enhancing the sustainability of construction projects but also paving the way for a more eco-friendly and resource-efficient building industry. As technology continues to evolve, we can expect further innovations that will drive even greater sustainability in construction. Sir also focused on Recycled and Upcycled Materials: Using materials made from recycled

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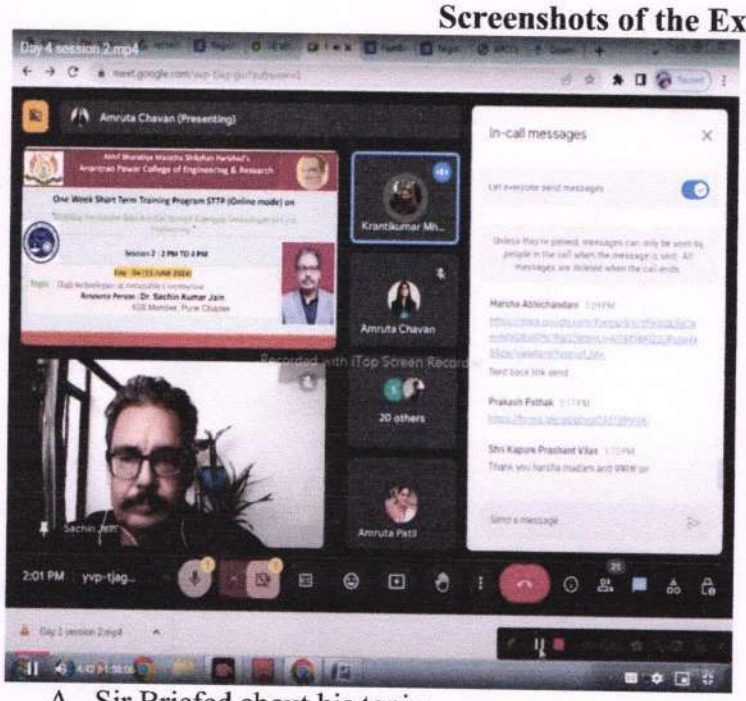
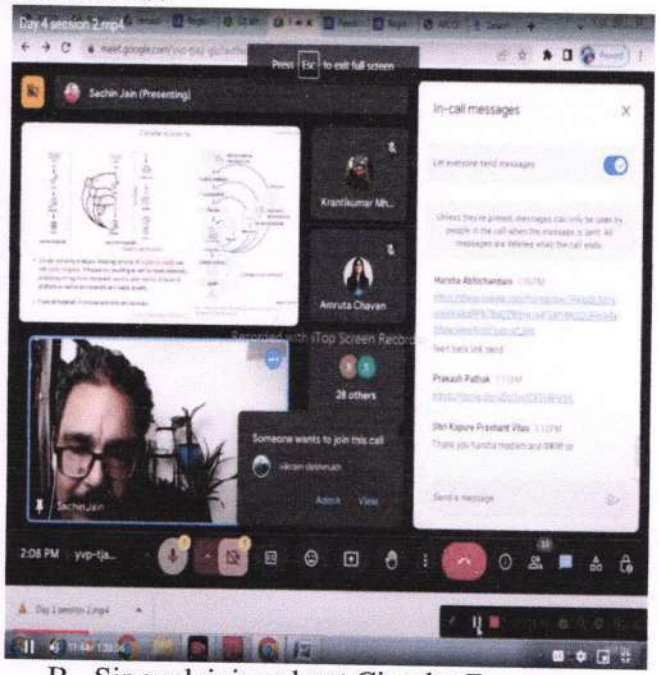
waste reduces landfill use and the demand for virgin materials. Examples include recycled steel, concrete, and glass. Biodegradable Materials Materials like mycelium, bamboo, and bioplastics are biodegradable and reduce environmental impact.

Various questions and doubts were asked related to civil engineering .Vote of thanks was given by Prof. Harsha J. Abhichandani. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Screenshots of the Expert lecture:



A. Sir Briefed about his topic



B. Sir explaining about Circular Economy

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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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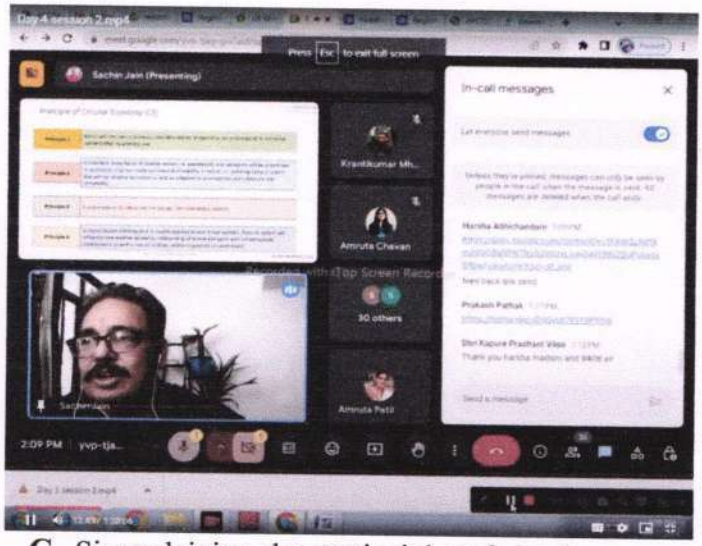
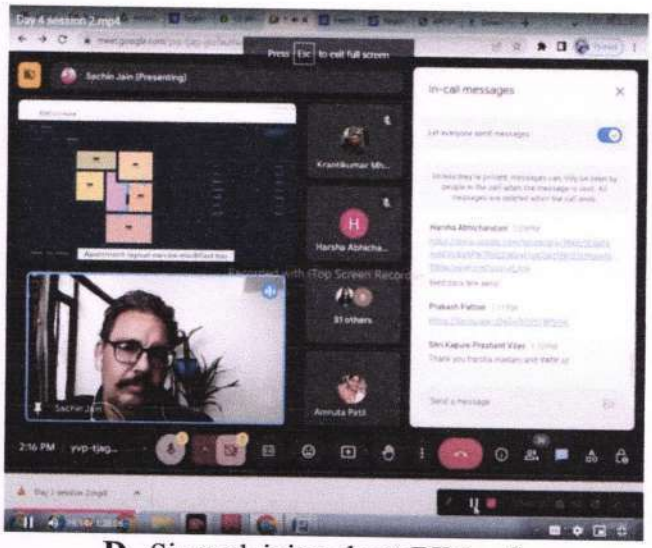
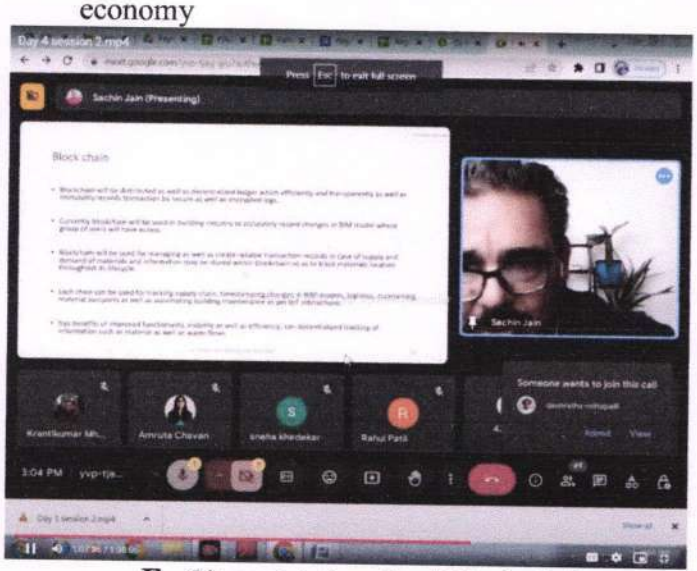


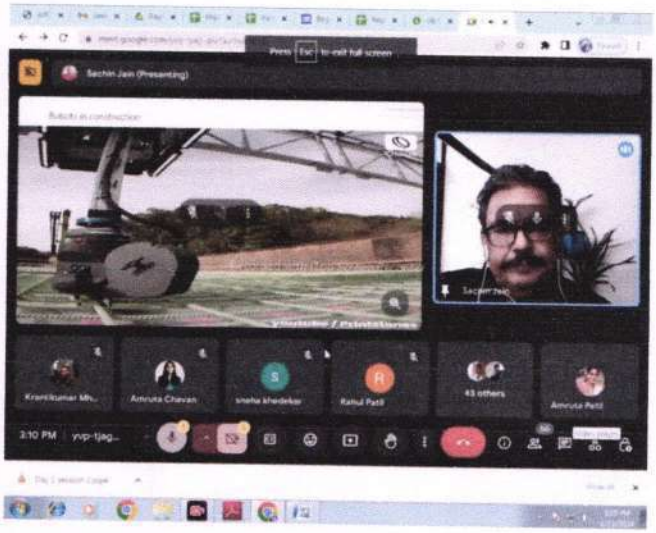
C. Sir explaining about principles of circular economy



D. Sir explaining about BIM software



E. Sir explaining about block chain



F. Sir Briefed about robots in construction

Date: 13/06/2024

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

Dr. Raviraj R. Sorate
Head-Civil

Dr. Sunil B. Thakare
Principal

Head,
Dept. of Civil Engineering
Anantrao Pawar College of Engineering
& Research, Pune-09

Anantrao Pawar College of Engineering & Research * Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Topic: Application of GNSS, ROV, SDB and MEMS in water resources application

Date of Event: 14th June 2024

Name of resource Person: Dr. Selva Balan

Brief Introduction of Resource Person: Dr. Selva Balan,

Joint Director, Instrumentation Dept., CWPRS, Pune

Name of Organizer: Civil Engineering Department

Target Audience: 120 (Faculty from various institute, research scholar and industrial person)

Brief Description of Event:

Technical Event, ISTE STTP ON "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest, Dr. Selva Balan, Nearly 120 Participants had participated in this One Week Short Term Training Program STTP. A welcome speech was given by HOD - Dr. Raviraj R. Sorate.The session started at around 11:00 am. Firstly introduction of the guest was given by Prof. R. P. Gaikwad.

After brief introduction, Dr. Selva Balan addressed the session by guiding the participants in brief about the application of Global Navigation Satellite Systems (GNSS), Remotely Operated Vehicles (ROV), Satellite-Derived Bathymetry (SDB) and Micro-Electro-Mechanical Systems (MEMS) in water resources management which offers innovative solutions for monitoring, analyzing, and managing water resources effectively.

Sir also explained about ROVs which are unmanned, remotely controlled underwater vehicles that offer versatile applications in water resources. Sir talked about integration of GNSS, ROV, SDB, and MEMS technologies offers comprehensive and advanced tools for managing water resources. These technologies enable precise mapping, monitoring and analysis, leading to more informed decision-making and efficient management of water resources. As these technologies continue to evolve, their applications in water resource management are expected to expand, contributing to sustainable water use and conservation efforts.

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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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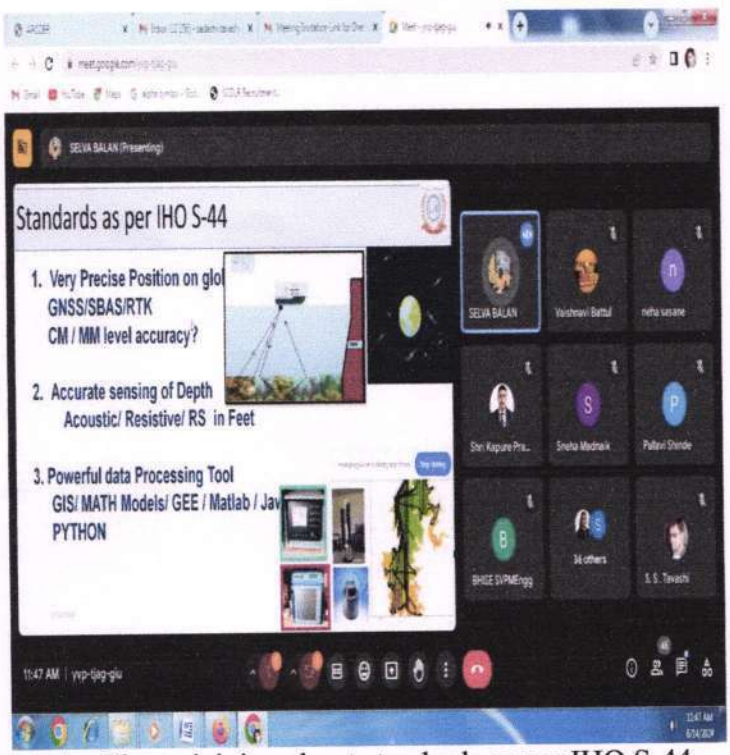
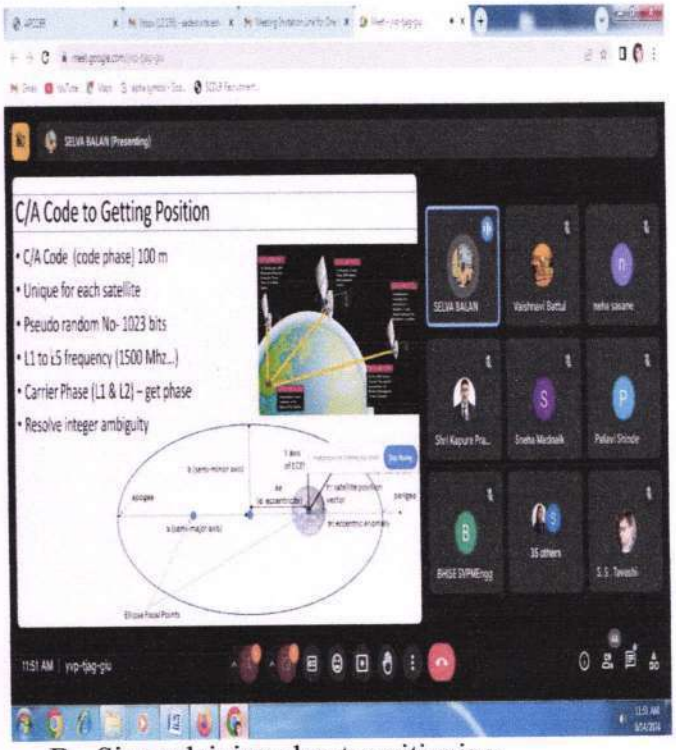
Various questions and doubts were asked related to civil engineering .Vote of thanks was given by Prof. Harsha J. Abhichandani. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Screenshots of the Expert lecture:



A. Sir explaining about standards as per IHO S-44



B. Sir explaining about positioning

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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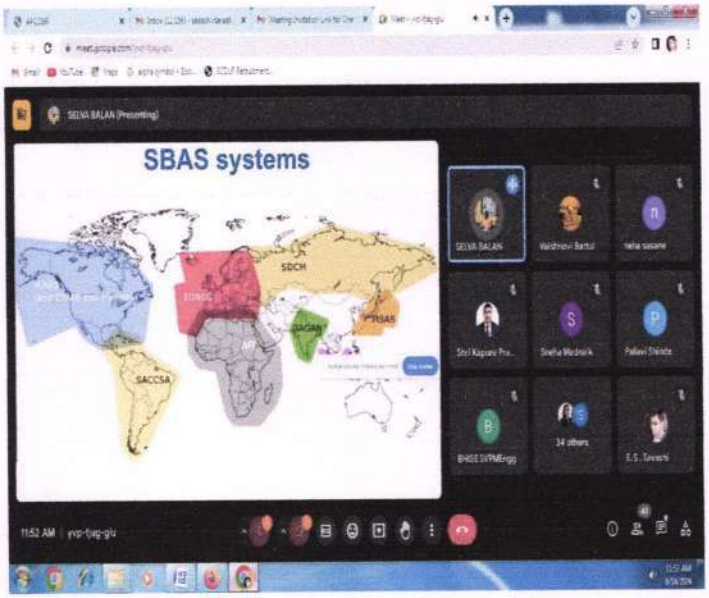
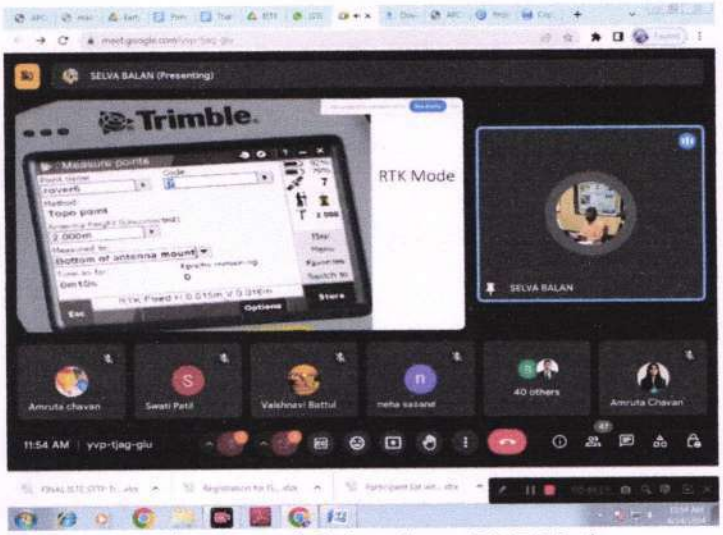
Event Report

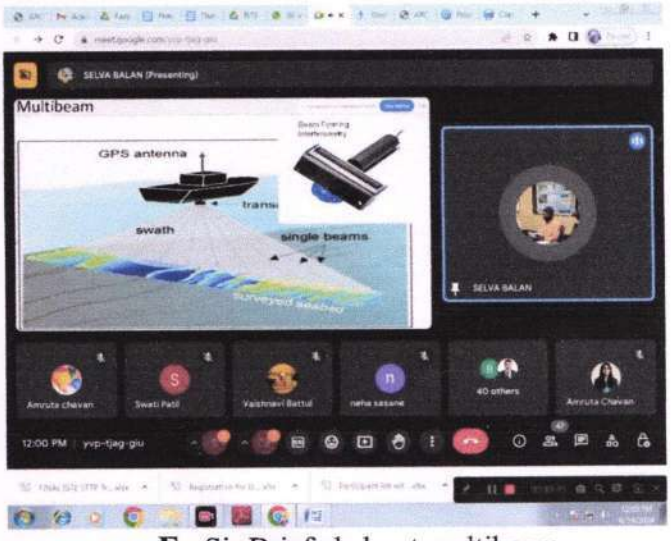


C. Sir explaining about SBAS Systems

D. Sir explaining about Dams in india



E. Sir explaining about RKT Mode



F. Sir Briefed about multibeam

Date: 14/06/2024

14/6/24

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

14/06/2024

Dr. Raviraj R. Sorate
Head-Civil

Dr. Sunil B. Thakare
Principal

Anantrao Pawar College of Engineering & Research
Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

Event Report

Name of Event: Online five days ISTE STTP on **"Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering"** from 10th June 2024 to 14th June 2024.

Name of resource Person: Dr. Abhay B. Shelar

Brief Introduction of Resource Person:

Dr. Abhay B. Shelar,

Associate Professor, Department of Civil Engineering,

ABMSP's Anantrao Pawar College of Engineering and Research, Pune

Topic: 3D Printing Technology

Date of Event: 14th June 2024

Time of Event: 02.00 PM to 04:00 PM

Name of Event Coordinator: 1. Dr. Raviraj R Sorate (STTP Co-convener)

2. Prof. Amruta A. Chavan (STTP Coordinator)

3. Prof. Harsha J Abhichandani (STTP Coordinator)

Name of Organizer: Civil Engineering Department

Target Audience: 120 (Faculty from various institute, research scholar and industrial person)

Brief Description of Event:

One Week Short Term Training Program STTP on "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" at ABSMP'S APCOER, Parvati, Pune. We felt honored with the presence of our Guest Dr. Abhay B. Shelar. Nearly 125 Participants had participated in this One Week Short Term Training Program STTP. A welcome speech was given by HOD - Dr. Raviraj R. Sorate. The session started at around 02:00 PM. Firstly introduction of the guest was given by Prof. A. S. Autade

After brief introduction, Dr. Abhay B. Shelar addressed the session by guiding the participants in brief about 3D Printing Technology for the future. Sir also explained about the impact of new innovations in 3D Printing Technology. Sir briefed about 3D printing technology which is also known as additive manufacturing, involves creating three-dimensional objects by layering materials based on digital models. This technology has transformative potential in water resources management through various innovative applications.

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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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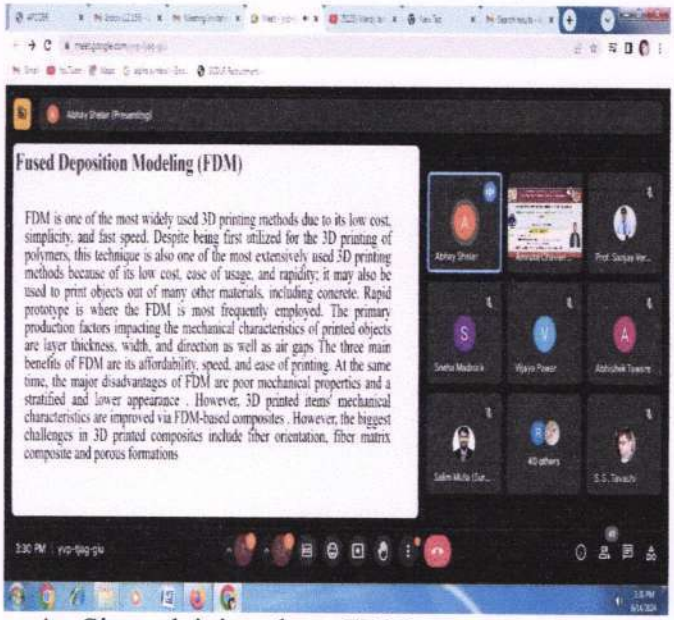
Event Report

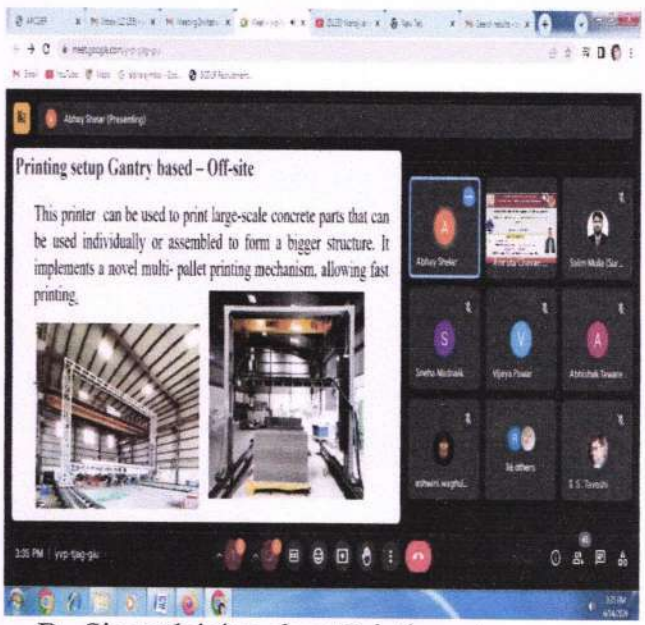
Sir talked about 3D printing technology offers versatile and innovative solutions for water resources management. Its ability to produce customized, on-demand and complex components provides significant advantages in equipment design, maintenance, and infrastructure development. As the technology continues to evolve, its applications in water management are expected to expand, contributing to more efficient and sustainable water use and conservation practices.

Various questions and doubts were asked related to civil engineering .Vote of thanks was given by Prof. Harsha J. Abhichandani. After the session event feedback was taken from participants. The Faculty Coordinator of the event was Prof. Amruta A. Chavan & Prof. Harsha J. Abhichandani. This report cannot be ended without mentioning the efforts and contributions of the head of the department- Dr. Raviraj R. Sorate and all Faculty members of the department.

Screenshots of the Expert lecture:



A. Sir explaining about FDM



B. Sir explaining about Printing setup

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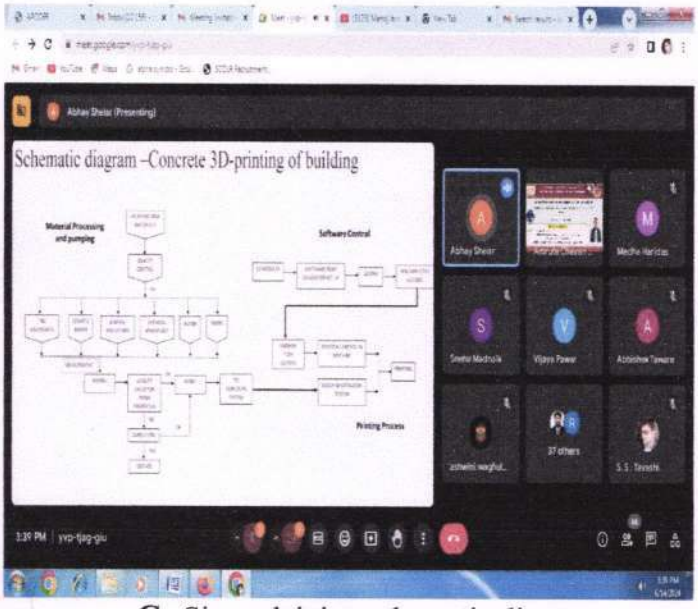
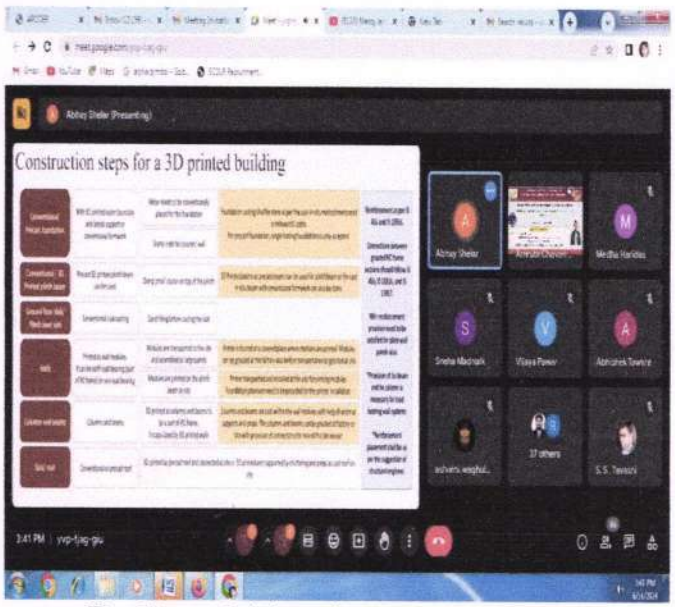
	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

Event Report



C. Sir explaining schematic diagram



D. Sir explaining about construction steps

Date: 14/06/2024

Anantrao Pawar College of Engineering & Research
Pune

14/6/24

Prof. Amruta A. Chavan
ISTE-STTP Coordinator

14/6/2024

Dr. Raviraj R. Sorate
Head-Civil

Dr. Sunil B. Thakare
Principal

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	

EVENT REPORT

Name of Event: ISTE STTP ON "Deep Dive into Deep Learning A Practical Workshop in Computer Engineering"

Date of Event: 03rd June 2024 to 07th June 2024

Event Coordinators: Prof. Dewendra Bharambe (Computer Engineering Department)

Day-1 (03rd June 2024)

Name of resource Person/ Speaker:

1. Dr. Venkatanareshbabu Kuppili
   (Professor, Department of Computer Science and Engineering NIT, Goa)

Brief Introduction of Resource Person/Speaker:

Dr. Venkatanareshbabu Kuppili is an Professor in the Department of Computer Science and Engineering at the National Institute of Technology (NIT) Goa. His expertise lies in the fields of Big Data Analytics, Artificial Intelligence, Deep Learning, and Soft Computing. He actively engages in research and academic pursuits, contributing significantly to the advancement of knowledge in these cutting-edge areas. For inquiries or collaboration, he can be reached at venkatanaresh@nitgoa.ac.in.

Target Audience with count: - 77

Brief Description of Event:

"Short Term Training Program on "Deep Dive into Deep Learning A Practical Workshop" Organized by Computer Engineering Department Akhil Bhartiya Maratha Shikshan Parishad Anantrao Pawar College of Engineering and Research Pune, in association with Indian Society for Technical Education. The program was conducted from 03rd June 2024 to 07th June 2024 in online mode.

The ISTE STTP on " Deep Dive into Deep Learning A Practical Workshop " commenced with a ceremonial inauguration by Prof. Anil Lohar, the Head of the Computer Engineering Department, at 10:00 AM. Prof. Anil Lohar provided a comprehensive overview of the five-day program, highlighting its significance in addressing contemporary challenges and exploring future prospects in the field of Deep Learning. Following the inaugural address, Prof. Dewendra Bharambe, Assistant Professor in the Computer Engineering Department, delivered a warm welcome speech, setting the tone for the informative sessions ahead.

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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	EVENT REPORT	

Throughout the event, a total of 77 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Deep Dive into Deep Learning A Practical Workshop, including Deep Learning, Recent Opportunities and Upcoming Plan.

Session 1:

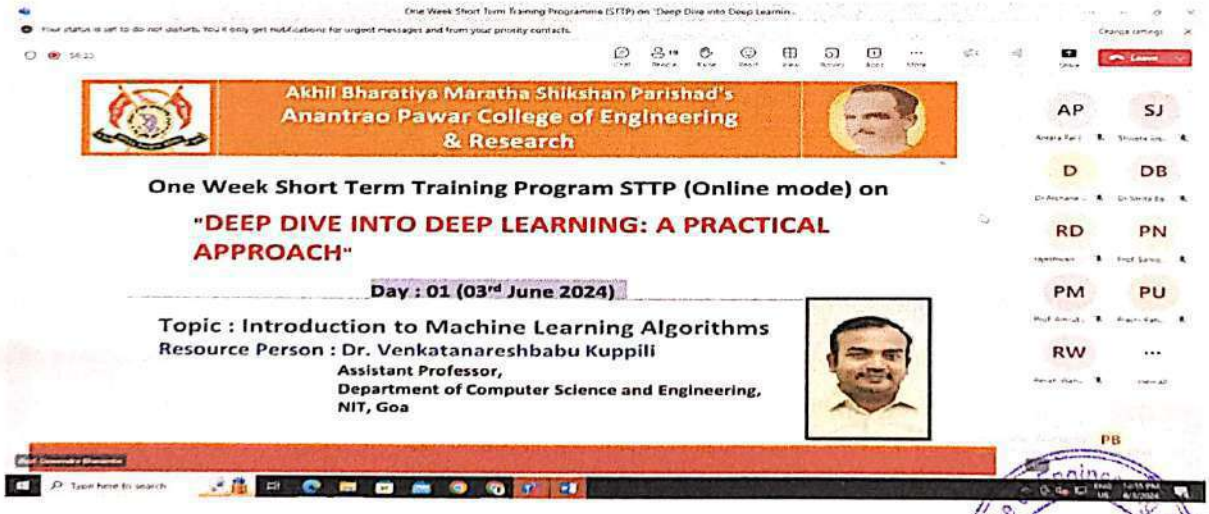
Time: 10:00 AM - 01:00 PM

Module Name: Inauguration & Introduction to Deep Dive into Deep Learning: A Practical Workshop. Introduction to Machine Learning Algorithms

Speaker: Dr. Venkatanareshbabu Kuppili
(Professor, Department of Computer Science and Engineering NIT, Goa)

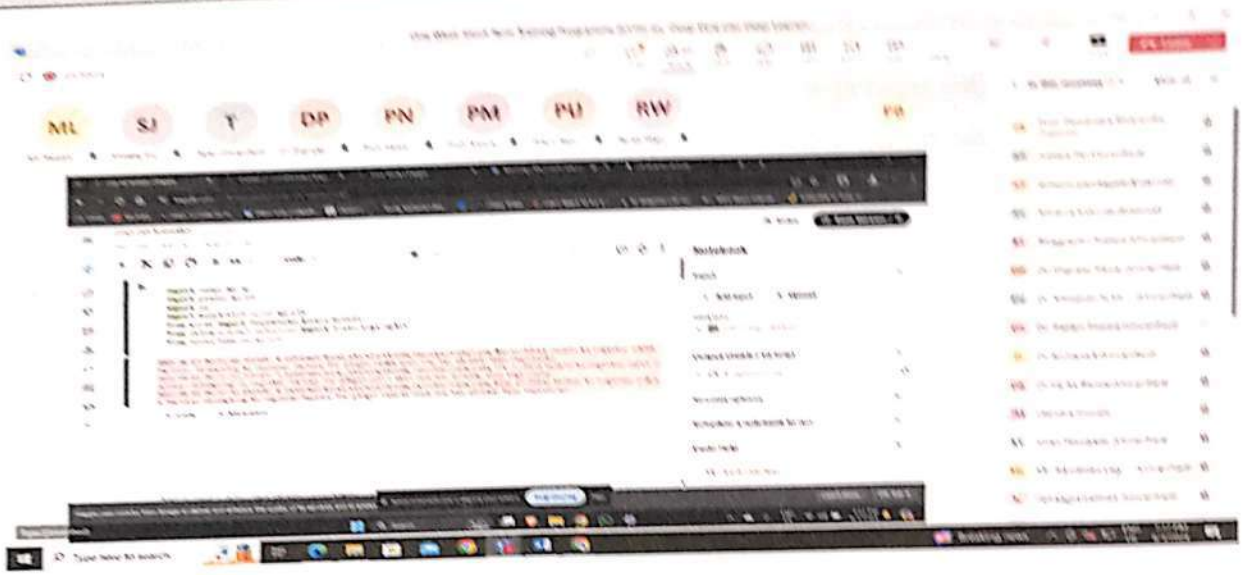
Content:

Dr. Venkatanareshbabu Kuppili began the session by inaugurating the event and providing an overview of the current landscape of Machine Learning Algorithms. He emphasized the importance of Machine Learning in the contemporary digital era, highlighting the escalating threats faced by both individuals and organizations. Dr. Venkatanareshbabu Kuppili discussed the latest advancements in the field, including new technologies and methodologies for enhancing Machine Learning. He also shared insights on future opportunities in Machine Learning, underscoring the need for continual learning and adaptation in response to evolving Machine Learning Algorithms. Dr. Venkatanareshbabu Kuppili concluded by outlining the Machine Learning Algorithm, stressing their commitment to innovation and excellence in the field.



	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

EVENT REPORT



Session 2:

Time: 02:00 PM - 05:00 PM

Module Name: Python implementation of Machine Learning algorithms

Speaker: Dr. Venkatanareshbabu Kuppili
(Professor, Department of Computer Science and Engineering NIT, Goa)

Content:

Dr. Venkatanareshbabu Kuppili delivered second session on Python Implementation of Machine Learning Algorithms Machine Learning, a cornerstone of artificial intelligence, empowers computers to learn from data and make predictions or decisions without explicit programming. Implementing Machine Learning algorithms in Python offers a robust and flexible framework due to its rich ecosystem of libraries such as scikit-learn, TensorFlow, and PyTorch.

Python's readability and versatility make it ideal for prototyping and deploying ML models across various domains, from finance and healthcare to image recognition and natural language processing. Leveraging Python, practitioners can seamlessly preprocess data, apply algorithms like linear regression, decision trees, support vector machines, and neural networks, and evaluate model performance using metrics like accuracy, precision, and recall.

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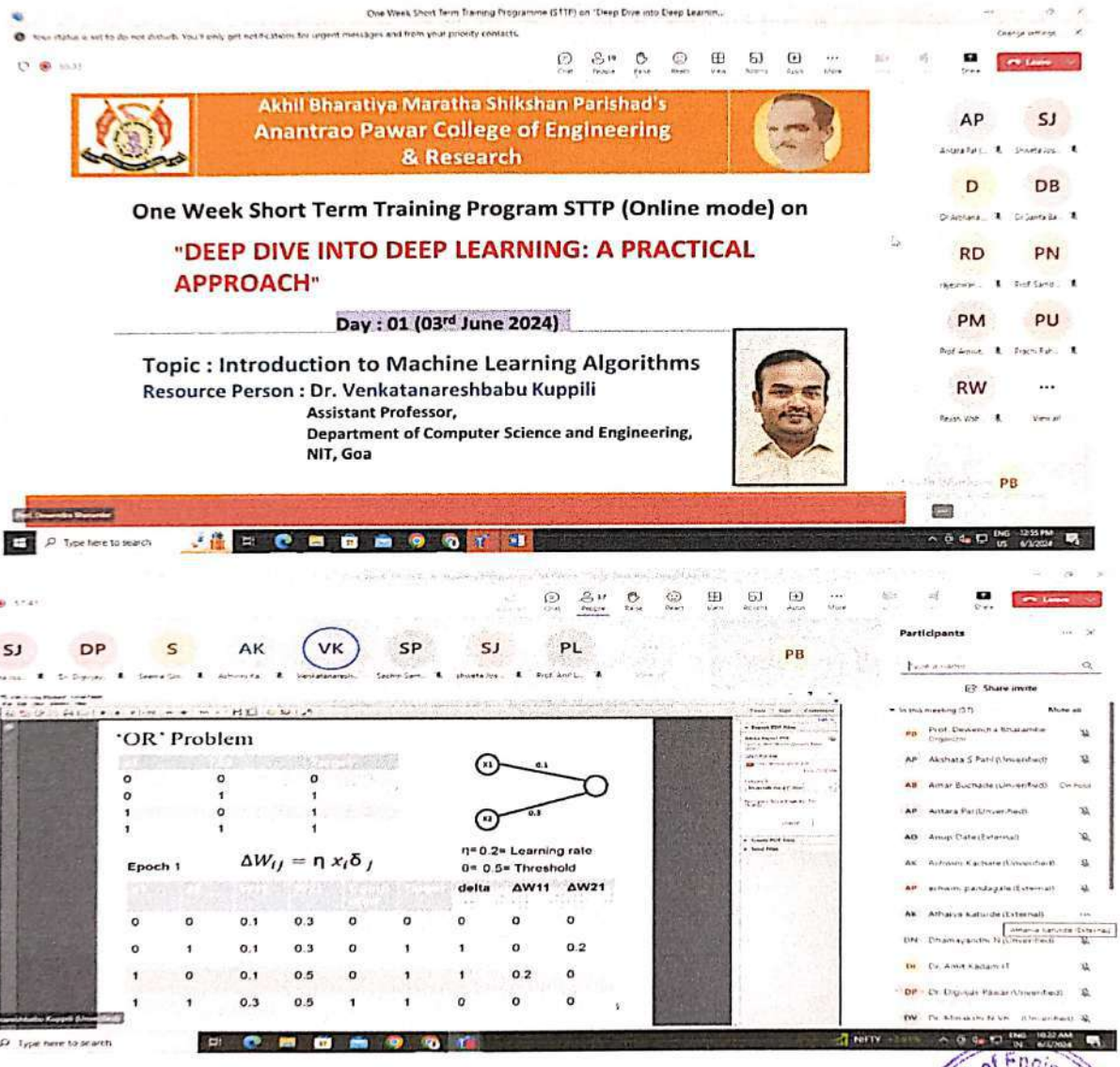
Whether you're diving into supervised learning tasks like classification and regression, exploring unsupervised learning for clustering and dimensionality reduction, or delving into reinforcement learning, Python provides extensive toolkits and resources. With its intuitive syntax and extensive community support, Python remains a top choice for implementing and experimenting with Machine Learning algorithms, driving innovation and discovery in the field.



Anantrao Pawar College of Engineering & Research Pune

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Day-2 (04th June 2024)

Name of resource Person/ Speaker:

1. Mr. Ganesh Bhosale
   (Co-Founder Prygma Information Systems Ahmednagar)

Brief Introduction of Resource Person/Speaker:

Ganesh Devidas Bhosale is a proficient professional with over 9 years of experience in the IT industry, specializing in Software Architecture, Data Science, AI & ML, and Software Quality & Research. Currently, he holds the position of Software Architect & Quality Assurance Engineer at Prygma Information Systems LLP, where he oversees the development and deployment of web and windows-based applications on both on-premise servers and cloud platforms. Ganesh has been instrumental in the successful execution of over 50 client projects, including significant engagements with government organizations such as Maharashtra State, Indian Army, and Indian Oil. Proficient in a wide range of technologies including Hadoop, MongoDB, Spark, Scala, Hive, R, Python, Scikit Learn, TensorFlow, AWS, VB .net, Android, Java, and various open-source tools. Extensive experience in executing comprehensive suites of Test Cases, Software Quality Assurance, and leading small scrum teams to deliver high-quality products efficiently. **M.Tech (CSE):** 2016, RGPV, Bhopal, IES College of Technology, Bhopal, CGPA: 8.3**SweetCube (ERP Application for Sugar Factory)** Role: Software Architect & Quality Assurance Tools: Visual Studio 2008, SQL Server 2005, SAP Crystal Reports **MIRC PT (Software for Indian Army)** Role: Software Architect & Quality Assurance Tools: Visual Studio Code, Netbeans, Wamp, Docker **Epitome (ERP for PCB Manufacturing Industry)** Role: Software Architect & Quality Assurance Tools: Visual Studio Code, Netbeans, Tomcat, Docker Member of Board of Studies for Dept. of Electronics & Telecom. at DKTE's Institute of Textile and Engineering, Ichalkaranji. Member of Board of Studies for Data Science & AI/ML Branch at D.Y. Patil College of Engineering & Technology, Kolhapur. Co-Trainer for 250+ workshops at 50+ Engineering Colleges & Institutes.

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Target Audience with count: - 77

Brief Description of Event:

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The ISTE Short Term Training Program (STTP) on " Deep Dive into Deep Learning A Practical Workshop " commenced with an engaging welcome speech by Prof. Dewendr Bharambe, Assistant Professor in the Computer Engineering Department. Prof. Pranjali More address set the tone for the informative and insightful sessions that were to follow, highlighting the importance and relevance of the subject in today's digital age & introduce to speaker.

Throughout the event, a total of 77 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Deep Dive into Deep Learning A Practical Workshop.

Session 1:

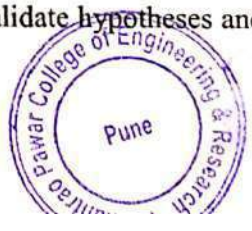
Time: 10:00 AM - 1:00 PM

Module Name: Data Visualization for Data Scientists

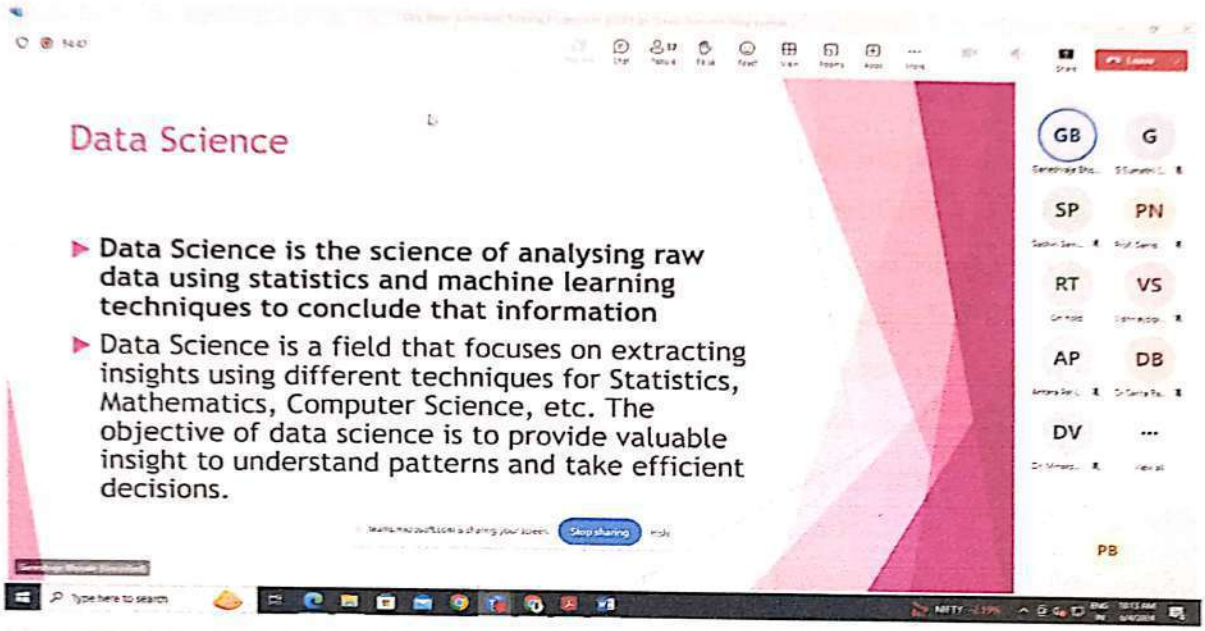
Speaker: Mr. Ganesh Bhosale (Co-Founder Prygma Information Systems Ahmednagar)

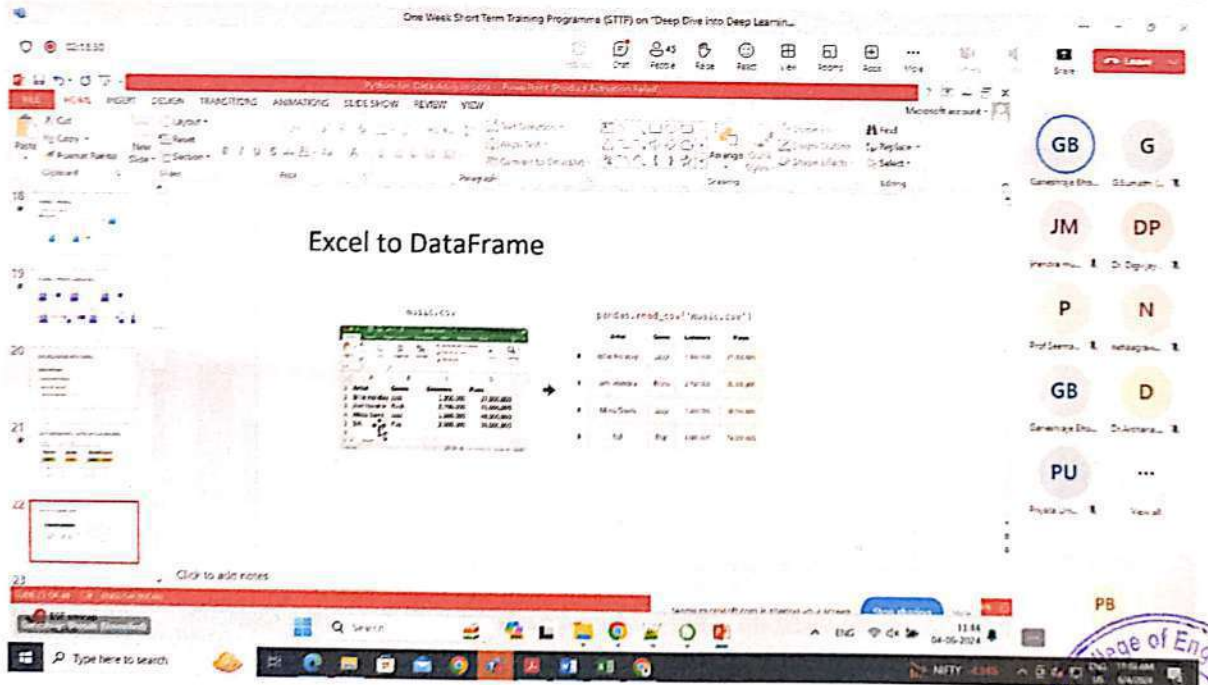
Content:

Mr. Ganesh Bhosale explored Data visualization plays a crucial role in the toolkit of every data scientist. It involves the graphical representation of data to extract insights and communicate findings effectively. Here's an overview tailored for data scientists: Importance of Data Visualization for Data Scientists Data visualization serves as a powerful tool for data scientists to:Explore Data: Visualizations help in understanding the underlying patterns, trends, and relationships within the data quickly and intuitively. Communicate Insights: Visual representations make it easier to convey complex findings and insights to stakeholders, facilitating informed decision-making. Identify Patterns and Anomalies: Graphical representations highlight outliers, clusters, and trends that may not be apparent from raw data, aiding in pattern recognition.Validate Assumptions: Visualization allows data scientists to validate hypotheses and



assumptions by visually inspecting data distributions and relationships. Monitor Key Metrics: Dashboards and real-time visualizations enable monitoring of key performance indicators (KPIs) and trends, supporting proactive decision-making.





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Session 2:

Time: 2:00 PM - 5:00 PM

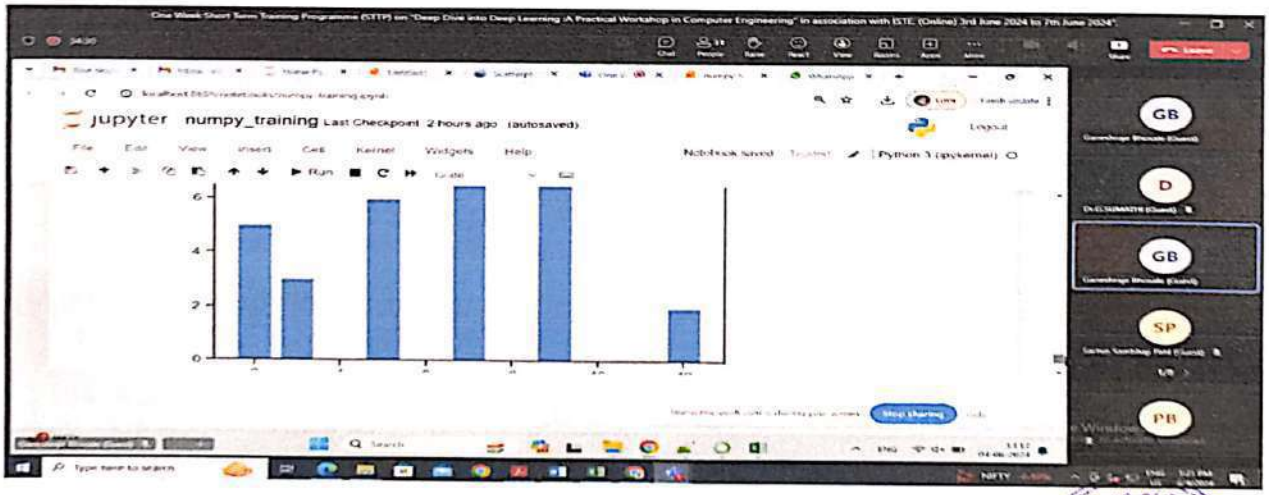
Module Name: Data Visualization libraries in Python

Speaker: Mr. Ganesh Bhosale (Co-Founder Prygma Information Systems Ahmednagar)

Content:

In this session, Mr. Ganesh Bhosale provided a comprehensive overview of Data Visualization libraries in Python Used by Data Scientists Scatter Plots and Line Charts: Used to visualize relationships and trends between variables over time or across different dimensions. Bar and Histogram Charts: Effective for comparing categorical data or visualizing distributions of numerical data. Heatmaps and Correlation Matrices: Show patterns and correlations in multivariate datasets, useful for feature selection and understanding dependencies. Box Plots and Violin Plots: Provide insights into data distributions, including median, quartiles, and outliers. Geospatial Maps: Visualize data with geographic components, such as regional sales data or demographic trends.

Data visualization is not just about creating pretty graphs; it is a critical skill for data scientists to explore, analyze, and communicate insights effectively. By mastering data visualization techniques and tools, data scientists can unlock the full potential of their data and drive informed decisions across organizations.



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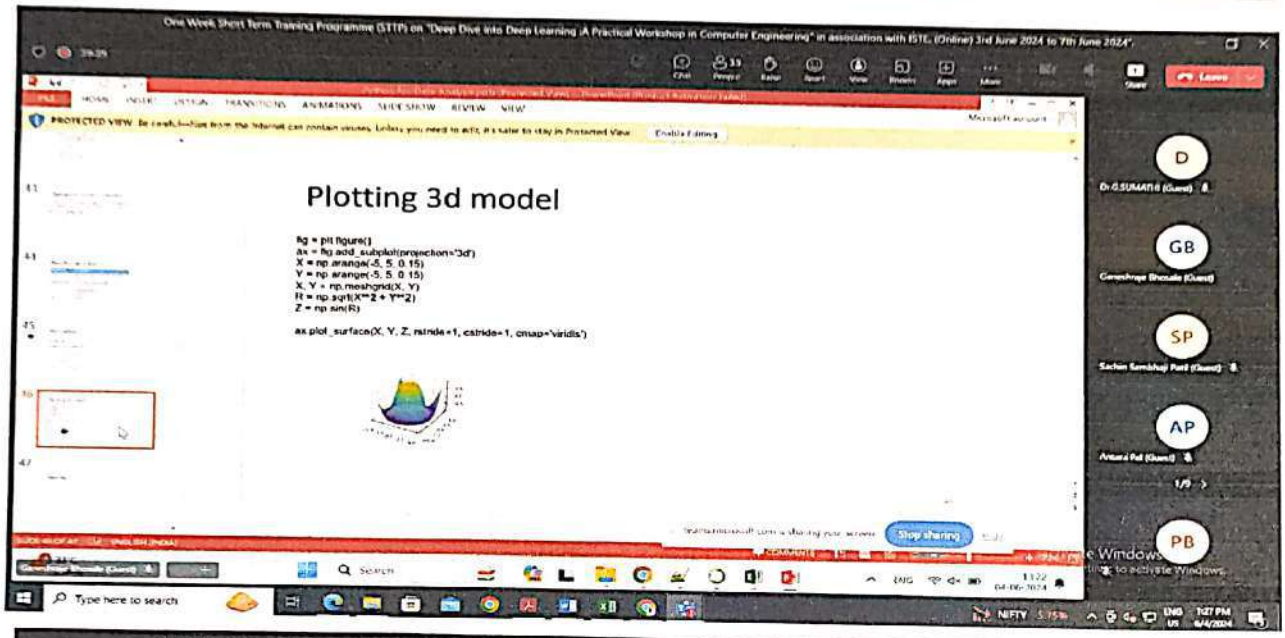

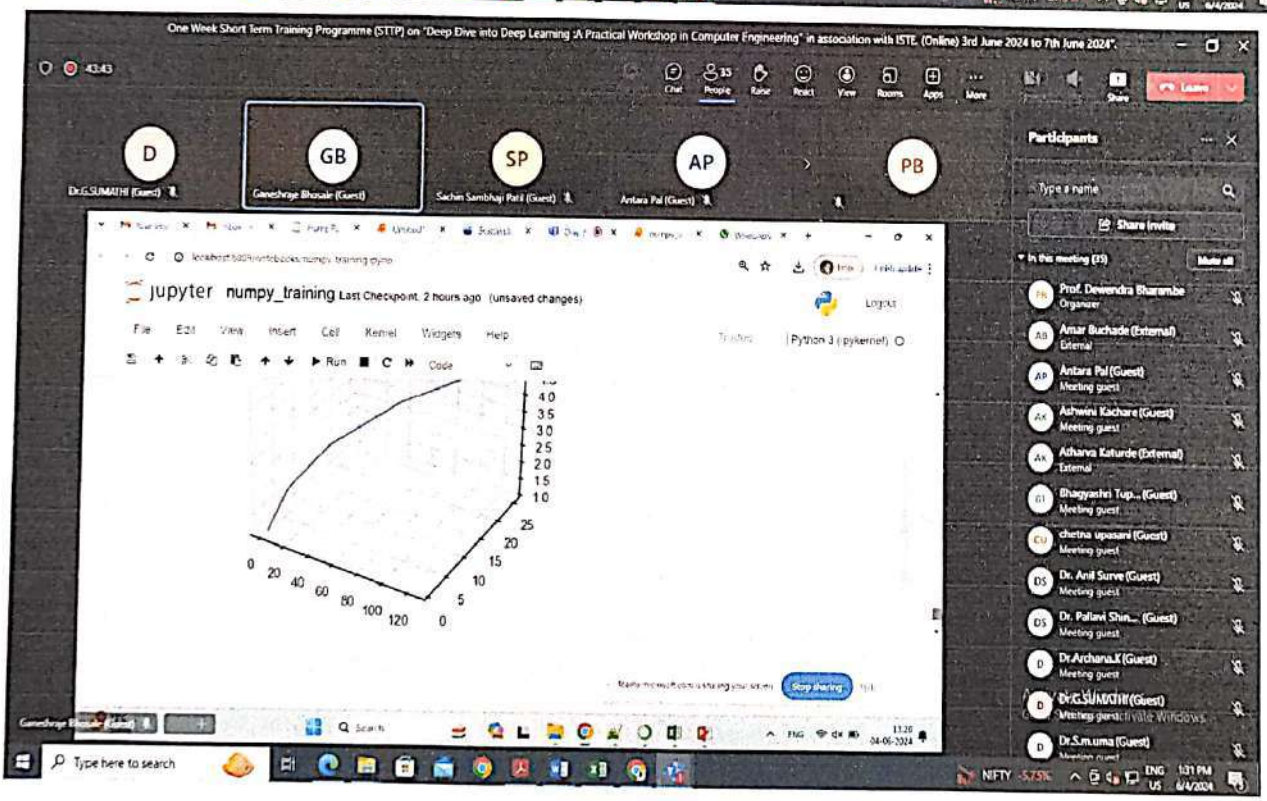

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Day-3 (05th June 2024)

Name of resource Person/ Speaker:

1. Dr. Vijay Katkar Professor, School of Engineering and Technology, Pimpri Chinchwad University Pune

Brief Introduction of Resource Person/Speaker:

Dr. Vijay D. Katkar's distinguished career in academia, research, and professional training. Seeking a key role in a challenging and creative environment. PhD in Computer Engineering, Bharati Vidyapeeth, Pune, January 2017 M. Tech in Computer Engineering, Veermata Jijabai Technological Institute (Mumbai University), July 2008 B. E. in Information Technology, K.C. College of Engineering (Mumbai University), June 2005 Diploma in Computer Technology, S.H. Jondhale Polytechnic (M.S. BTE), June 2002 Research Area: Machine Learning, Data Analytics, Network Security, Internet of Things Publications: 31 in international conferences, 14 in SCIE/ESCI/Scopus indexed journals, 13 in international journals Citations: 636, H-Index: 14, i10-Index: 22 Ph.D. Guidance: Completed 1, Currently guiding 3 Ph.D. scholars Research Grants: Received a grant from BCUD, Savitribai Phule Pune University Recognitions and Awards Multiple Best Paper Awards and Editor's Choice Awards for various research contributions Active participation and recognition in international conferences and journals

Professional Experience Current: Professor at Annasaheb Dange College of Engineering and Technology Previous Roles: Associate Professor at Marwadi University, Associate Professor at Xavier Institute of Engineering, among others Total Experience: 15 years in academia and research

Skills Proficient in Python, PHP, Node JS, Core Java Expertise in Machine Learning, Data Visualization, Statistics, and Computer Vision Training and Workshops Conducted over 250 hours of corporate training in Python, Machine Learning, Data Visualization using Tableau, and more Resource person and organizer for numerous workshops on Machine Learning, Deep Learning, Data Mining, and IoT

Professional Memberships IEEE Member (Membership No.: 97279880) Indian Society for Technical Education (ISTE) Personal Skills and Interests Comprehensive problem-solving abilities, willingness to learn, team facilitator, and hard worker Interests in meditation and social service

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Target Audience with count: - 77

Brief Description of Event:

"Short Term Training Program on "Deep Dive into Deep Learning A Practical Workshop" Organized by Computer Engineering Department Akhil Bhartiya Maratha Shikshan Parishad Anantrao Pawar College of engineering and research Pune, in association with Indian Society for Technical Education. The program was conducted from 03rd June 2024 to 07th June 2024 in online mode.

The ISTE Short Term Training Program (STTP) on " Deep Dive into Deep Learning A Practical Workshop " commenced with an engaging welcome speech by Prof. Dewendra Bharambe, Assistant Professor in the Computer Engineering Department. Prof. Pranjali More address set the tone for the informative and insightful sessions that were to follow, highlighting the importance and relevance of the subject in today's digital age & introduce to speaker.

Throughout the event, a total of 77 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Deep Dive into Deep Learning A Practical Workshop.

Session 1:

Time: 10:00 AM - 1:00 PM

Module Name: Interactive Data Analysis with Jupyter Notebook Part 1

Speaker: Dr. Vijay Katkar Professor, School of Engineering and Technology, Pimpri Chinchwad University Pune

Content:

Dr. Vijay Katkar explored advancements beyond interactive data analysis using Jupyter Notebook, a powerful tool widely used in data science and analytics. Jupyter Notebook allows us to create and share documents that contain live code, equations, visualizations, and narrative text, making it an excellent choice for exploratory data analysis (EDA)

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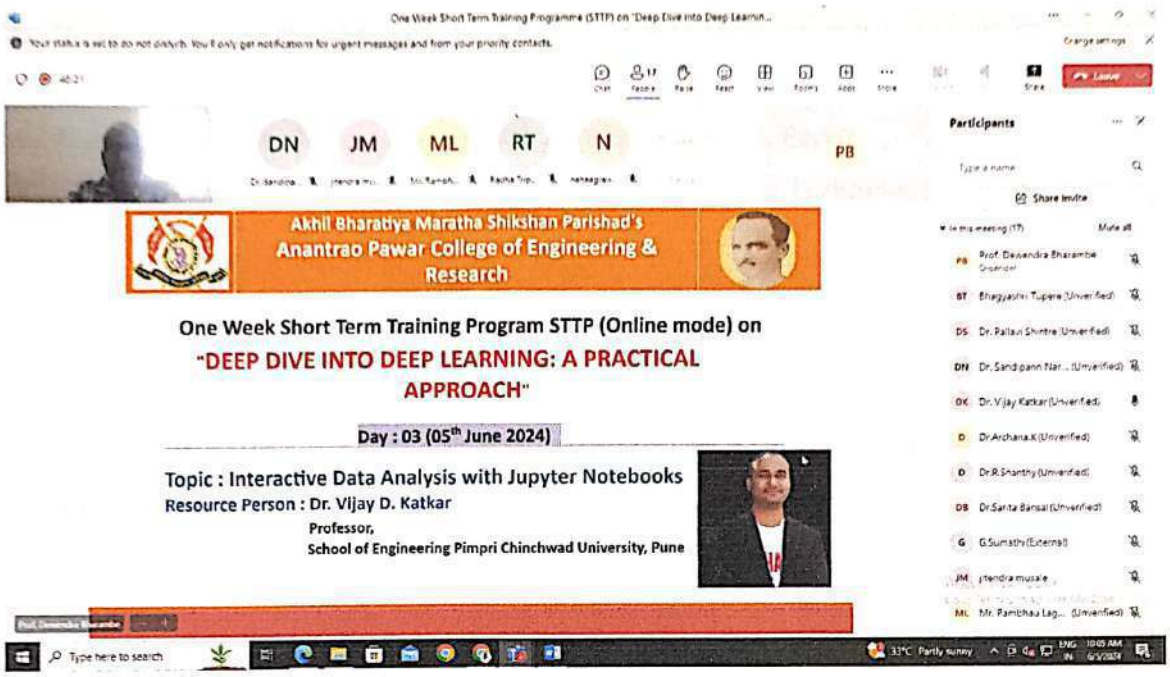

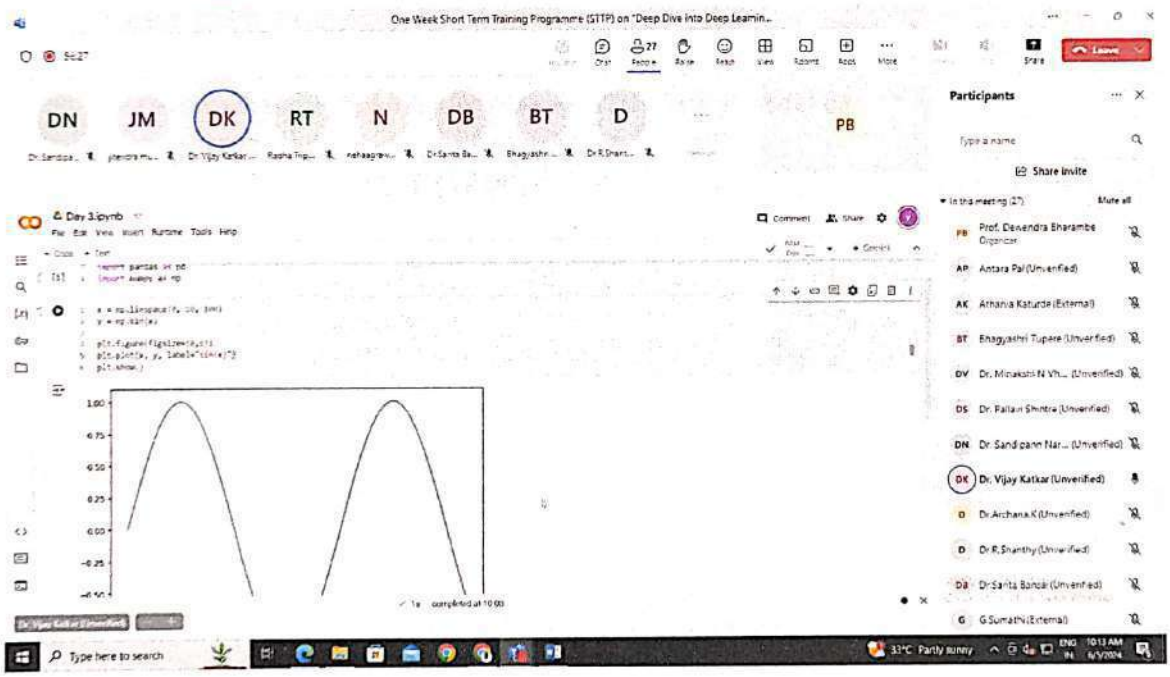

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Session 2:

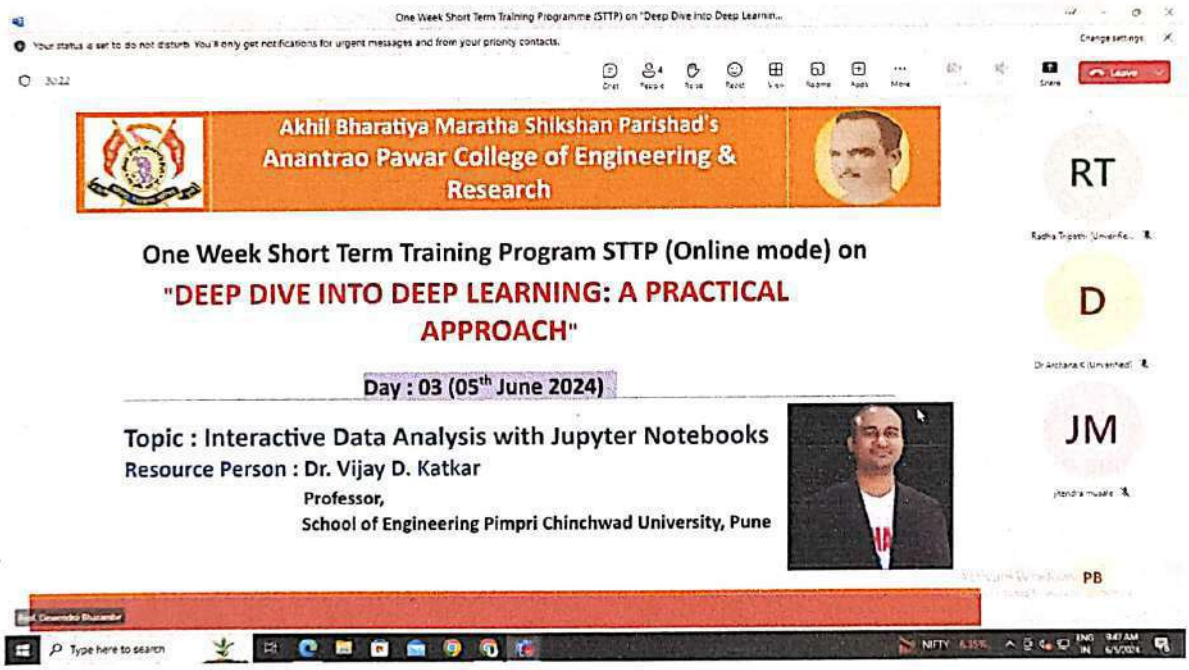
Time: 2:00 PM - 5:00 PM

Module Name: Interactive Data Analysis with Jupyter Notebook Part 2

Speaker: Dr. Vijay Katkar Professor, School of Engineering and Technology, Pimpri Chinchwad University Pune

Content:

Dr. Vijay Katkar explored advancements beyond interactive data analysis using Jupyter Notebook, a powerful tool widely used in data science and analytics. Jupyter Notebook Part2 allows us to create and share documents that contain live code, equations, visualizations, and narrative text, making it an excellent choice for exploratory data analysis (EDA)



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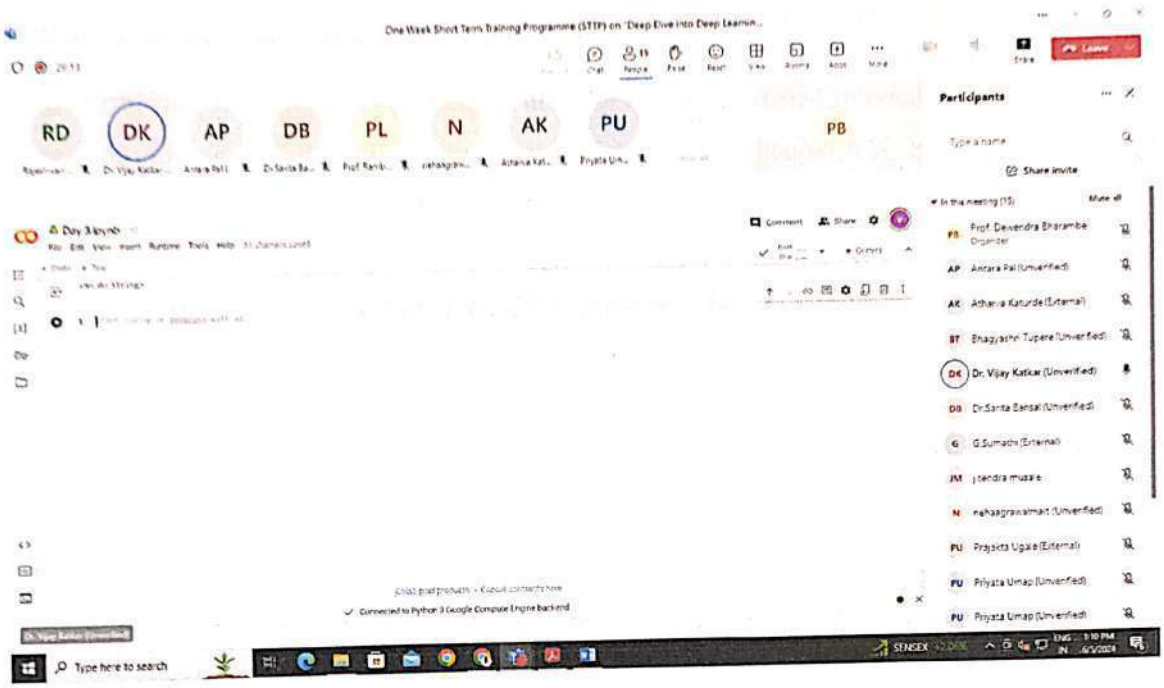

Day-4 (06th June 2024)

Name of resource Person/ Speaker:

1. Dr. Nalini Jagtap (Associate Professor, Department of Computer Engineering, DYPIEMR Pune.)

Brief Introduction of Resource Person/Speaker:

Dr. Nalini Jagtap is Self-motivated individual interested in a career in the field of academics and research. Seeking challenging opportunities to shape the careers of youth and dive into the field of research.16 years of total experience (8.5 years in academics and 7.5 years in industry) Currently working as an Associate Professor in the Department of Computer Engineering. Specialization in Image Processing, Video Processing, Multimedia Retrieval, Machine Learning, Data Visualization tools, and Computer Network Lab. Extensive contributions in administration, research, and academics. Expertise in handling projects, teaching, and technical presentations. Received Best Paper award in First IEEE International Conference on Computing, Communication, Control and Automation 2015. Completed NPTEL certification

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"Programming in JAVA" with Elite Gold Award. Completed NPTEL certification "Outcome-based Pedagogic Principles for Effective Teaching" with Elite Award. Certified Internal ISO "21001-2018"

Two weeks of training on full stack development held at Virtusa Chennai ATC between 1st July 2019 to 12th July 2019. One month Train the Trainer program with Virtusa Consulting Services Private Limited from 4th May 2020 to 5th June 2020. Five days 'Security Analyst (SSC/Q0901)' Train-The-Trainer Program from 16th June 2018 to 19th June 2018 organized by D Y Patil International University in collaboration with IT-ITes Sector Skills Council NASSCOM. Reviewer for 5th IEEE International Conference on Computing Communication Control and Automation (ICCUBEA 2019). Reviewer for IEEE International on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2022).

Reviewer for IGI Global book chapters (2023).

Target Audience with count: - 77

Brief Description of Event:

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Session 1:

Time: 10:00 AM - 1:00 PM

Module Name: Data Cleaning and Preprocessing Techniques

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Speaker: Dr. Nalini Jagtap (Associate Professor, Department of Computer Engineering, DYPIEMR Pune.)

Content:

Dr. Nalini Jagtap provided Data cleaning and preprocessing are crucial steps in the data analysis workflow. These techniques ensure that the data is accurate, consistent, and usable for further analysis or modeling. Here are some common techniques:

Handling Missing Data Removal Delete rows or columns with missing values if they are not significant in number. Imputation: Replace missing values with mean, median, mode, or a more sophisticated method like K-Nearest Neighbors (KNN) or regression. Interpolation: Estimate missing values based on other available data points.

Handling Outliers Removal: Delete outlier data points if they are deemed to be errors or irrelevant.

Transformation: Apply transformations (e.g., log, square root) to reduce the impact of outliers.

Capping: Limit the values of outliers to a certain percentile (e.g., 1st and 99th percentiles).

Data Normalization and Standardization Normalization: Scale data to a range of [0, 1] or [-1, 1] using min-max scaling. Standardization: Scale data to have a mean of 0 and a standard deviation of 1.

Data Encoding Categorical Encoding: Convert categorical data into numerical form using techniques like one-hot encoding, label encoding, or ordinal encoding. Binary Encoding: Convert categories into binary vectors.

Feature Engineering Creation: Generate new features from existing ones (e.g., date to day, month, year).

Transformation: Apply mathematical transformations (e.g., log, square root) to features to improve model performance. Interaction: Create interaction features that represent the product or ratio of two or more features.

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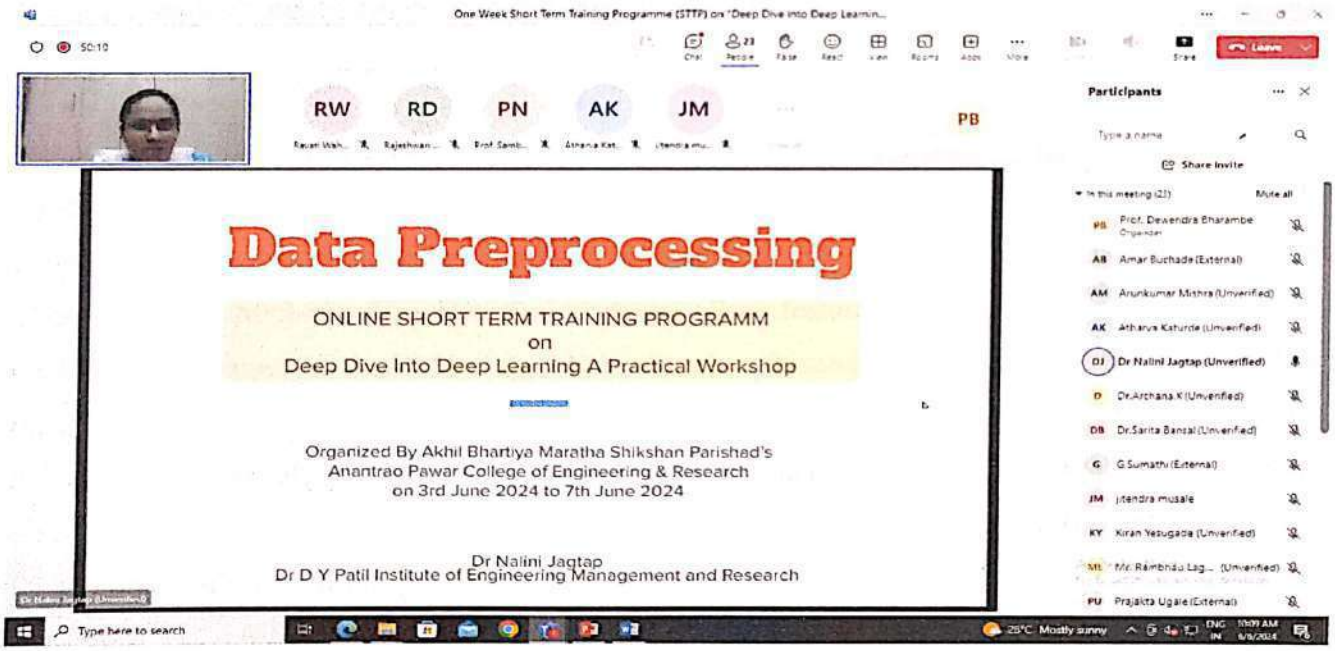

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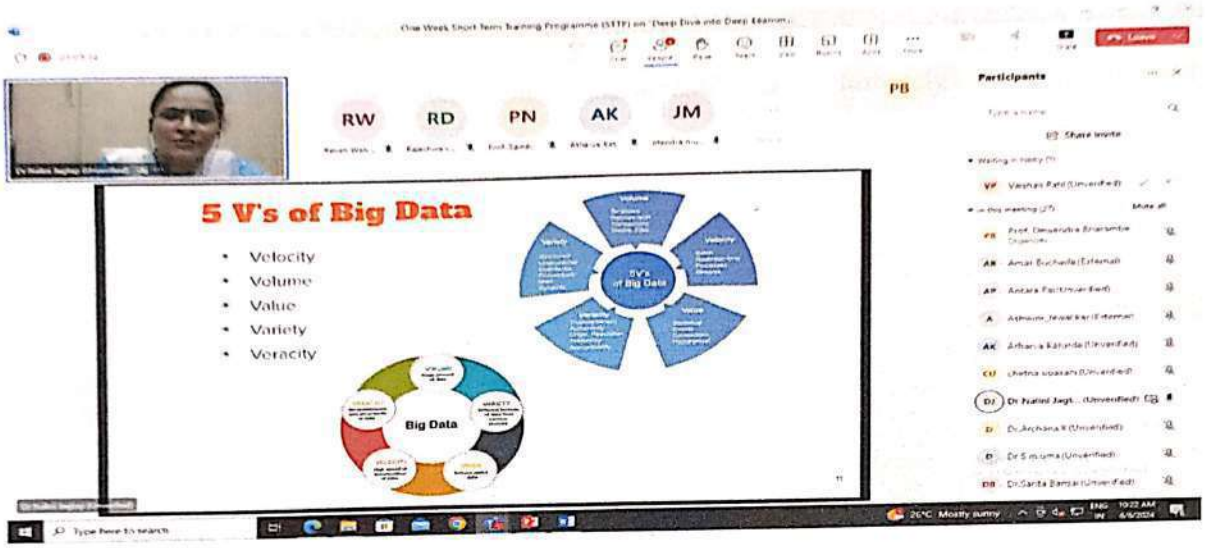

Session 2:

Time: 2:00 PM - 5:00 PM

Module Name: Hands on session on Data Cleaning and Preprocessing Techniques

Speaker: Dr. Nalini Jagtap (Associate Professor, Department of Computer Engineering, DYPIEMR Pune.)

Content:

Dr. Nalini Jagtap Presented Hands on session on Data Cleaning and Preprocessing Techniques Feature Selection Filter Methods: Use statistical tests to select features (e.g., chi-square test, correlation coefficient). Wrapper Methods: Use algorithms to select features based on model performance (e.g., recursive feature elimination). Embedded Methods: Perform feature selection during the model training process (e.g., Lasso, Ridge regression). Data Reduction Principal Component Analysis (PCA): Reduce dimensionality by transforming features into principal components. Linear Discriminant Analysis (LDA): Reduce dimensionality while preserving class separability. Sampling: Reduce data size by selecting a representative subset (e.g., random sampling, stratified sampling). Data Transformation Log Transformation: Apply logarithmic transformation to stabilize variance. Square Root Transformation: Apply square root transformation to reduce skewness. Box-Cox Transformation: Apply Box-Cox transformation to make data more normally distributed. Automate: Use scripts and automation tools to

streamline the cleaning process and minimize manual errors. By applying these techniques, data can be transformed into a high-quality, consistent, and analyzable form, ultimately leading to more reliable and accurate insights from data analysis and modeling tasks.

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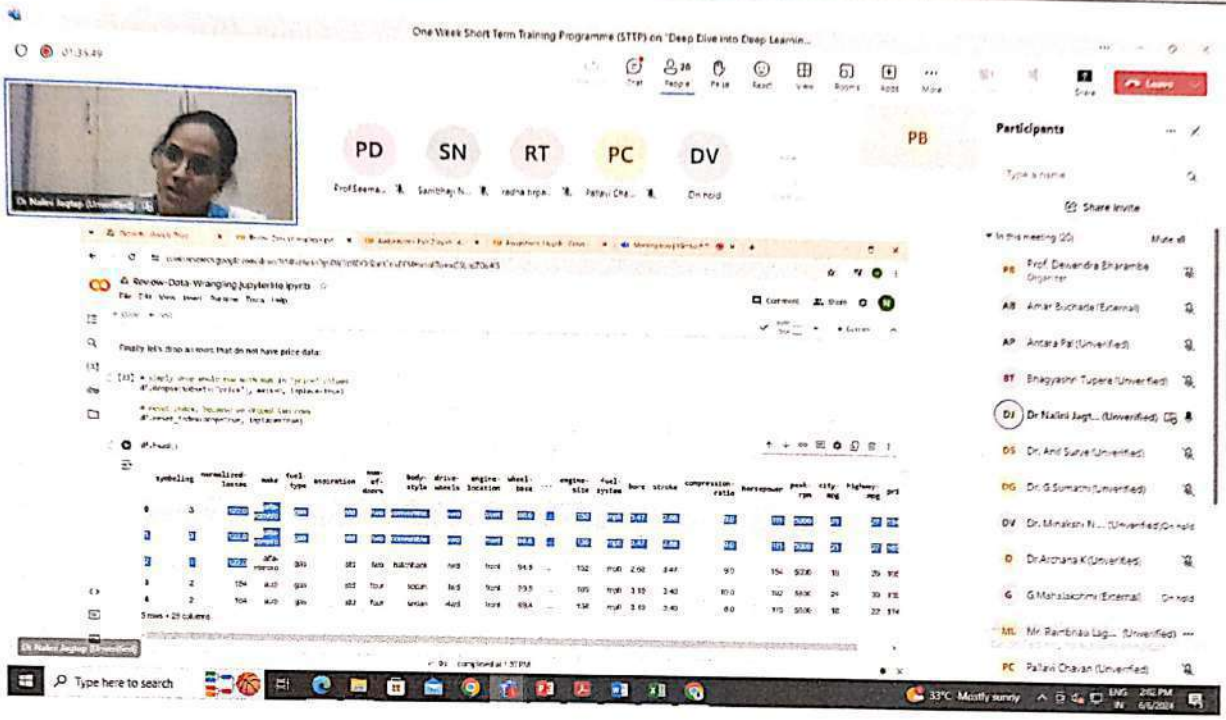

Day-5 (07th June 2024)

Name of resource Person/ Speaker:

Dr. Vijay Arun Kotkar (Assistant Professor, Department of Computer Engineering, Pimpri Chinchwad College of Engineering &Research, Ravet, Pune

Brief Introduction of Resource Person/Speaker:

Dr. Vijay Arun Kotkar Assistant Professor, Department of Computer Engineering, Pimpri Chinchwad College of Engineering & Research, Ravet, Pune-412 101. Ph.D. in Computer Science & Engineering University: KLEF, Vijayawada (A.P.) Completion: January 2023 Master of Engineering (M.E.) in Computer Science & Engineering University: North Maharashtra University, Jalgaon College: SSBT's College of Engineering and Technology, Bambhori, Jalgaon Completion: November 2013 Class: First (68.10%) Areas of Interest Academic Interests: Microprocessor, Operating Systems, C/C++, SQL, Software Testing. Research Interests: Machine Learning, Image Processing and Pattern Recognition, Feature Extraction, Image Retrieval, Object Recognition, Text Classification, Soft Computing.

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Target Audience with count: - 77

Brief Description of Event:

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Throughout the event, a total of 77 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of Deep Dive into Deep Learning A Practical Workshop.

Session 1:

Time: 10:00 AM - 1:00 PM

Module Name: Big Data Technologies for Data Scientists

Speaker: Dr. Vijay Arun Kotkar (Assistant Professor, Department of Computer Engineering, Pimpri Chinchwad College of Engineering &Research, Ravet, Pune

Content:

Dr. Vijay Arun Kotkar focused on the specialized field of Big data technologies encompass a broad array of tools and platforms designed to handle, process, and analyze large and complex data sets. For data scientists, familiarity with these technologies is crucial to effectively manage and derive insights from big data. Here's a comprehensive overview of essential big data technologies and tools. Hadoop Distributed File System (HDFS) A distributed file system designed to store large data sets across multiple machines. Provides high throughput access to application data and is capable of scaling up from single servers to thousands of machines.

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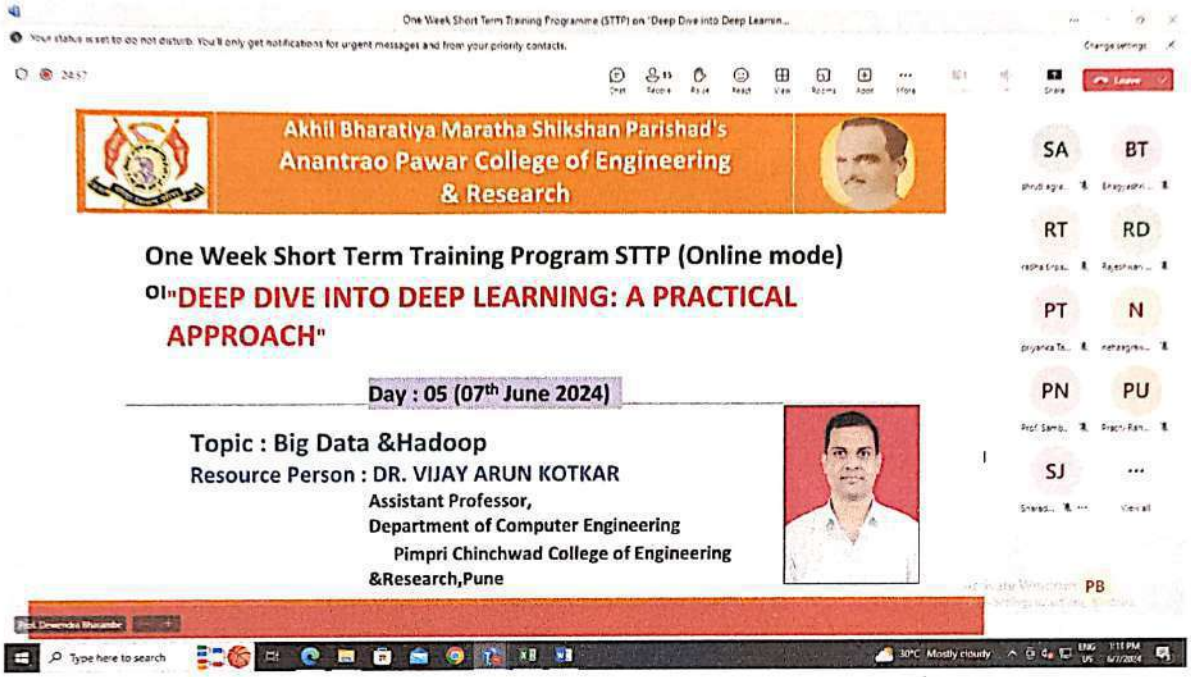

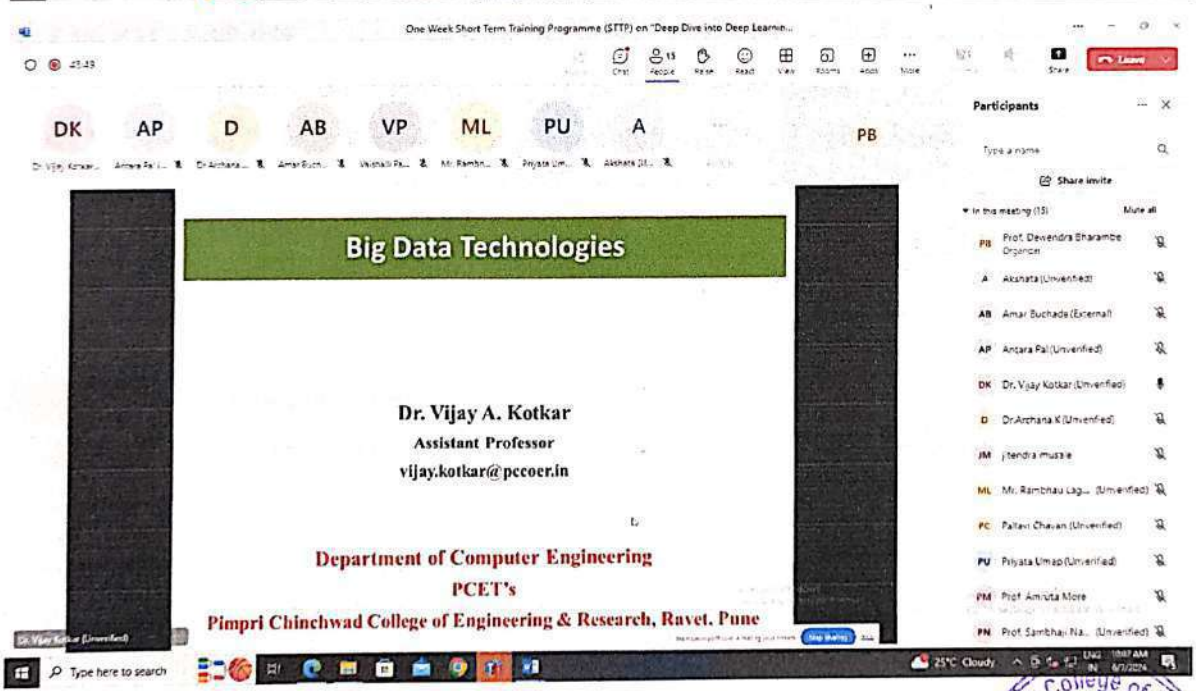

Anantrao Pawar College of Engineering & Research Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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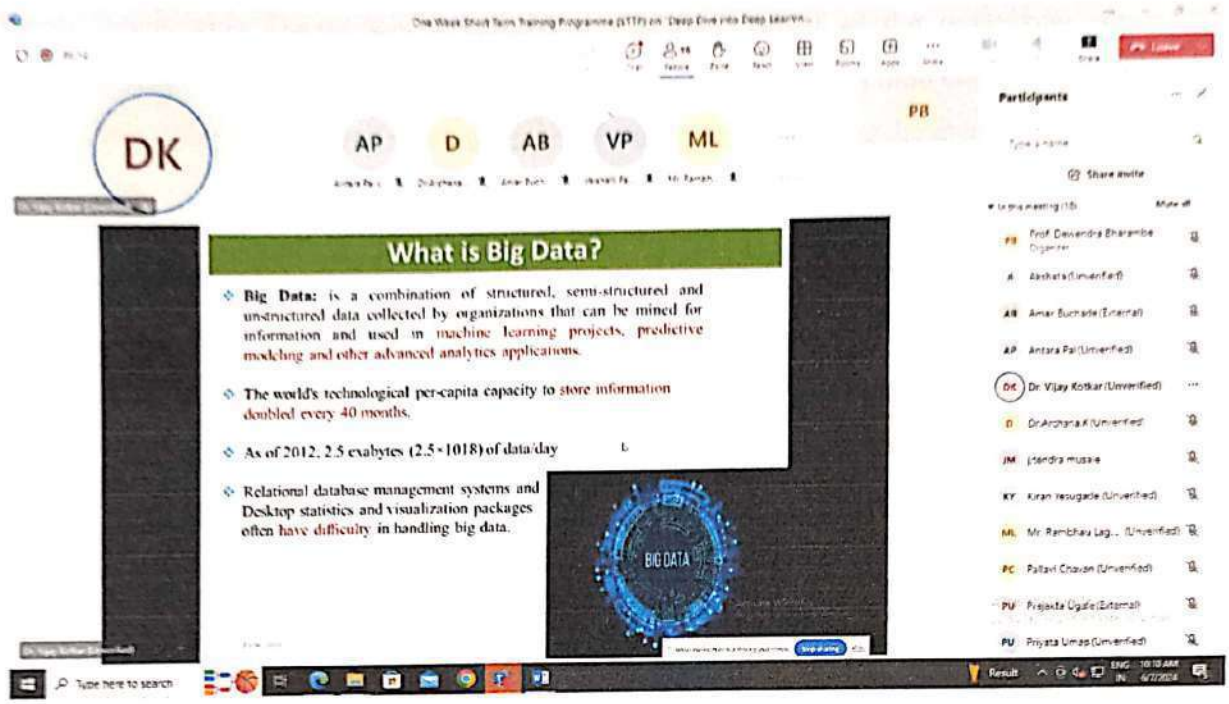

Session 2:

Time: 2:00 PM - 5:00 PM

Module Name: Big Data and Hadoop. Valedictory Function & Exam

Speaker: Mr. Prasad Potdar (Cyber Crime Investigator, Parvati Police Station)

Content:

Dr. Vijay Arun Kotkar focused on the specialized field of Big data technologies encompass a broad array of tools and platforms designed to handle, process, and analyze large and complex data sets. For data scientists, familiarity with these technologies is crucial to effectively manage and derive insights from big data. Here's a comprehensive overview of essential big data technologies and tools. **Hadoop** Distributed File System (HDFS) A distributed file system designed to store large data sets across multiple machines. Provides high throughput access to application data and is capable of scaling up from single servers to thousands of machines.

The session ended with a valedictory function where Prof. Dewendra Bharambe and other dignitaries addressed the attendees. An exam was conducted to assess the participants' understanding of the topics covered during the STTP. As the STTP drew to a close, Prof. Pranjali More, Assistant Professor in the

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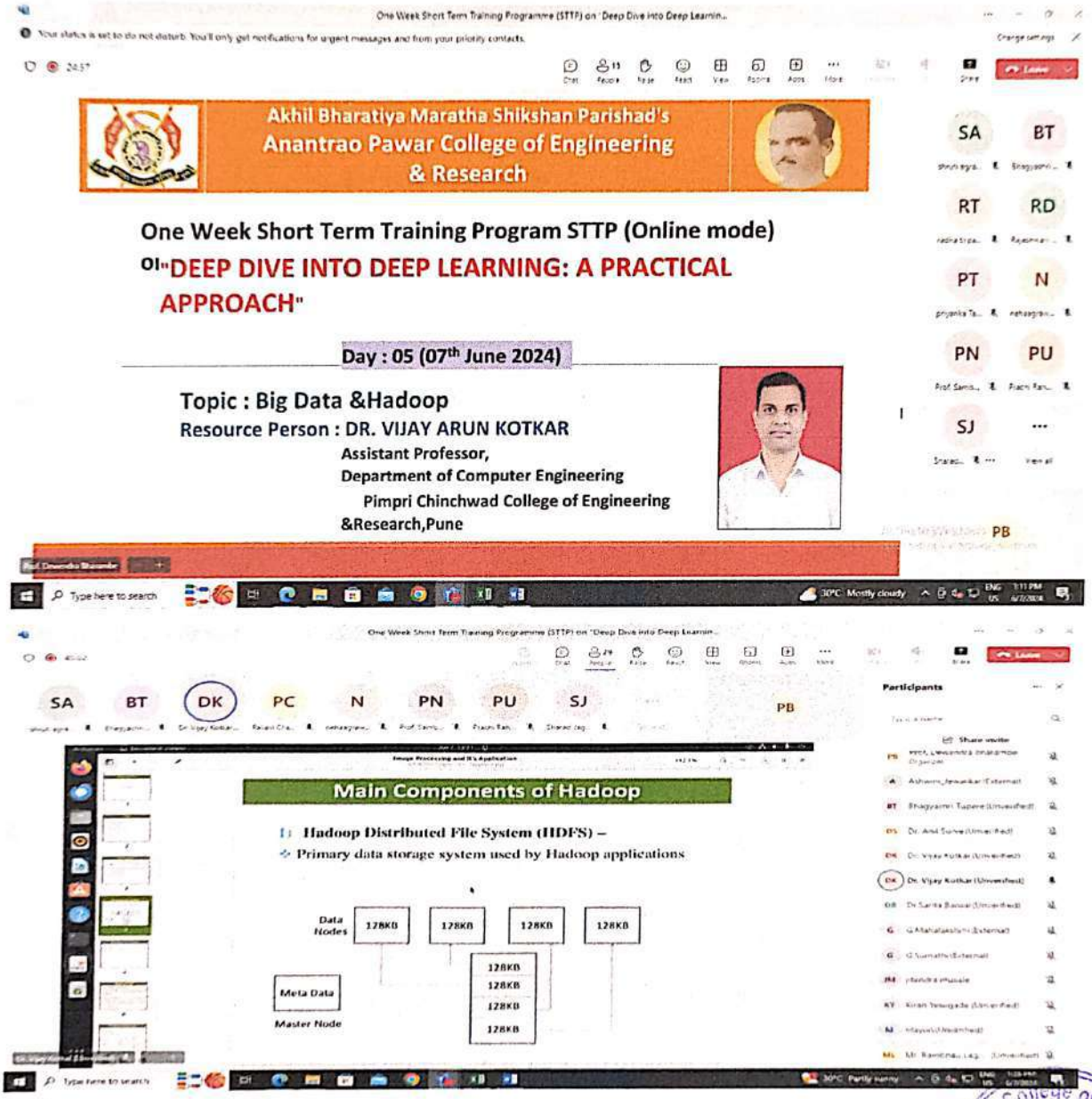
Computer Engineering Department expressed gratitude on behalf of the organizing committee and extended heartfelt thanks to all participants, speakers, and support staff for their contributions to the success of the program. The event concluded with a group photo session, capturing the memorable moments shared by all attendees.



Anantrao Pawar College of Engineering Pune

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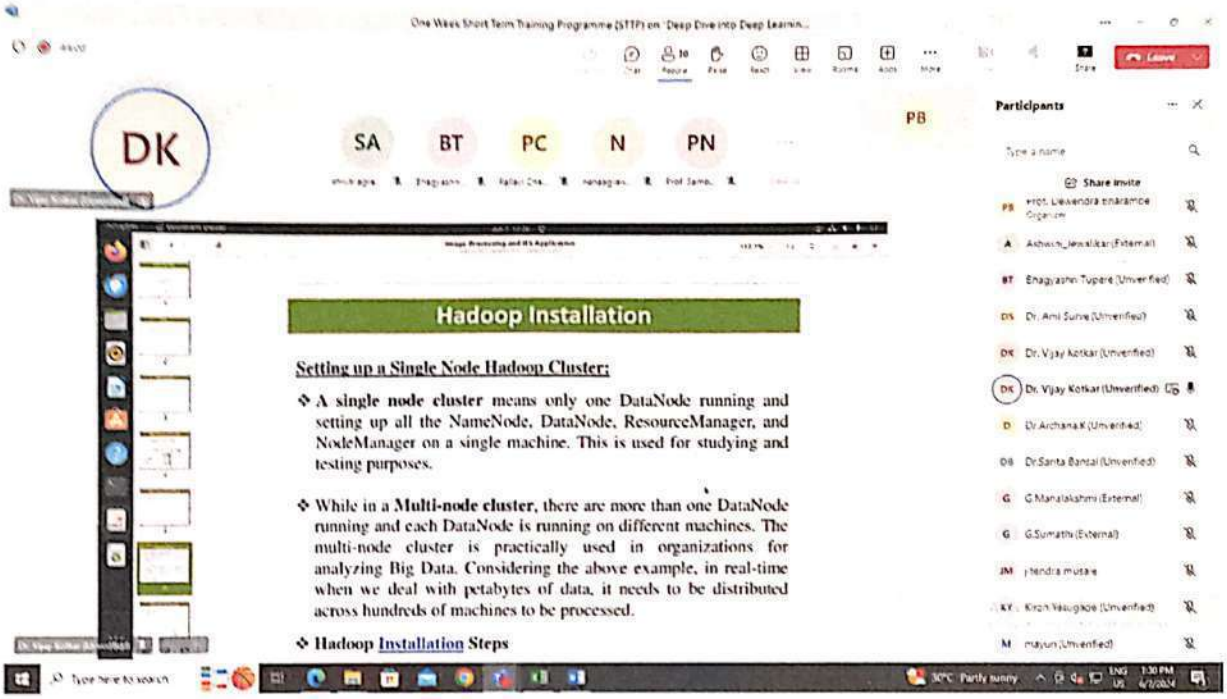
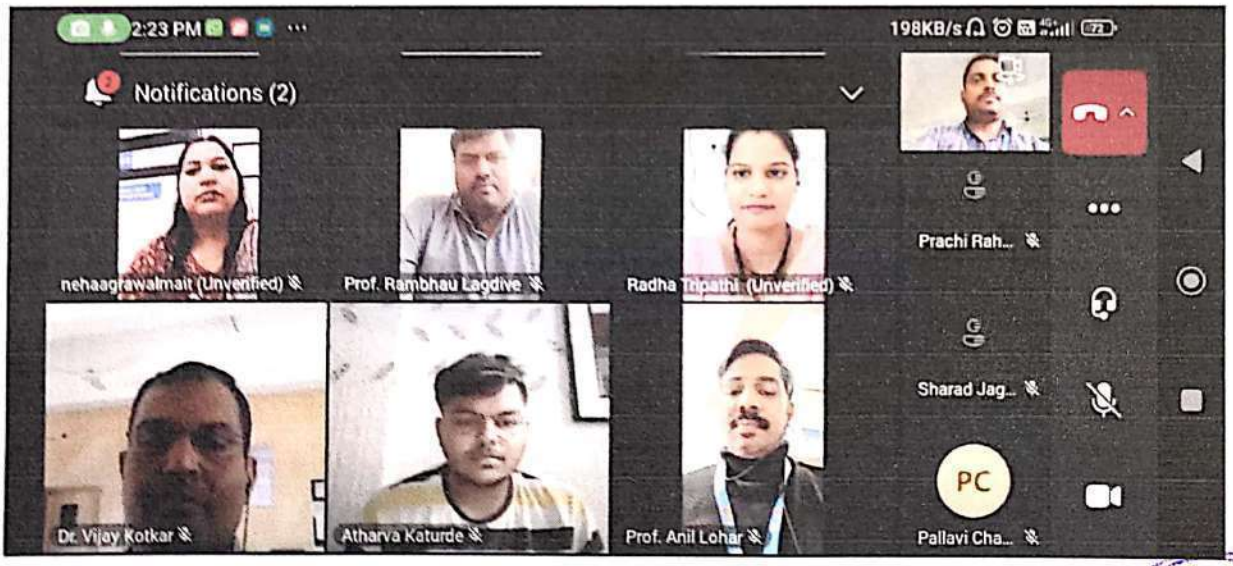


Photos of Event:



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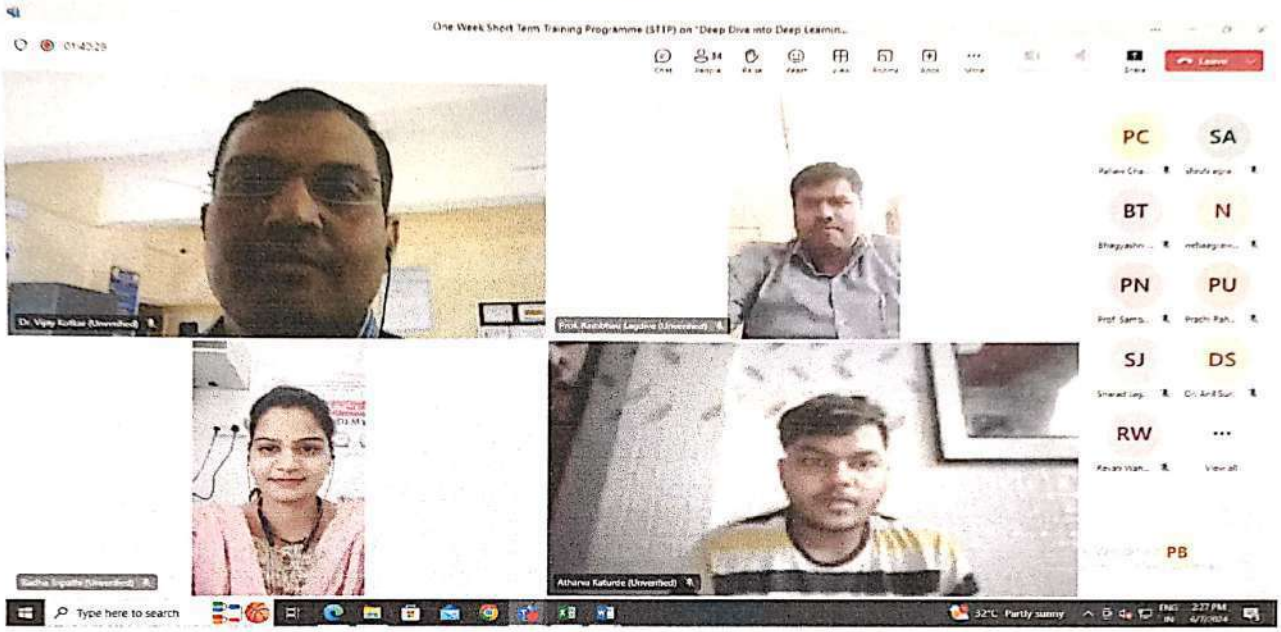

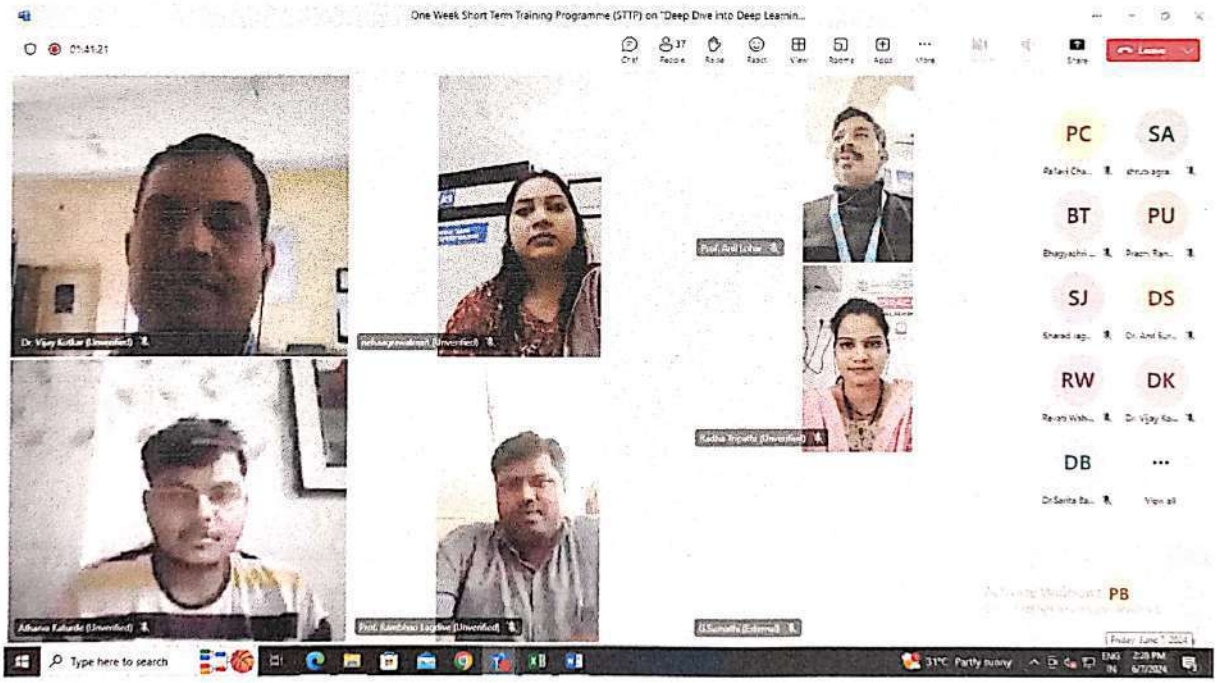

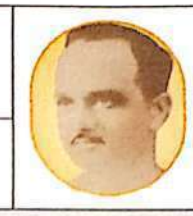

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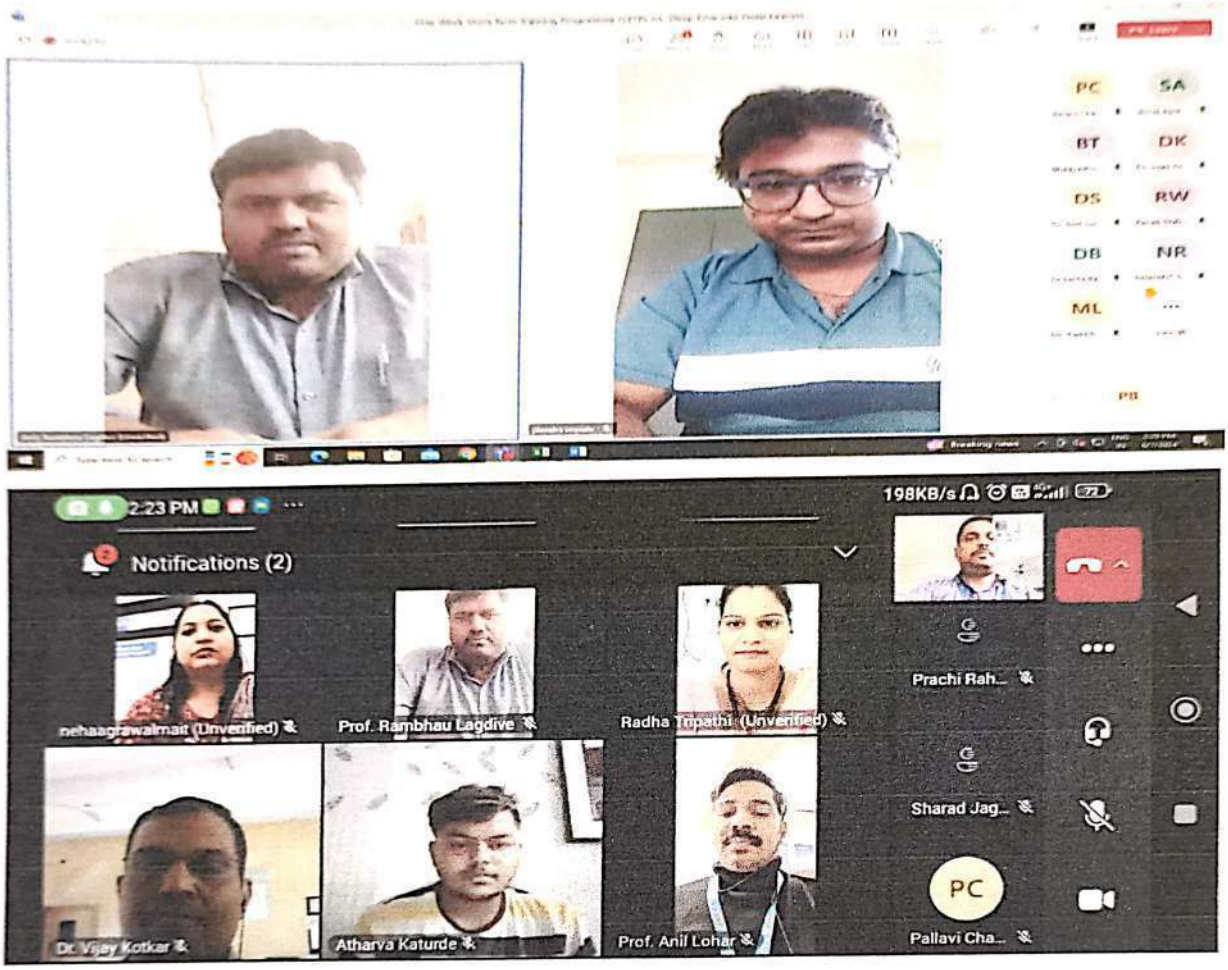

Date: 07/06/2024

07/06/2024.

Prof. Dewendra Bharambe
ISTE STTP Coordinator

Prof. Anil Lohar
HOD Computer Engineering

Dr. Sunil B. Thakare
Principal

Anantrao Pawar College of Engineering & Research ★ Pune

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ONE WEEK ONLINE SHORT TERM TRAINING PROGRAM ON RECENT TRENDS IN ELECTRONIC COMMUNICATION AND SEMICONDUCTORS IN ASSCOCIATION WITH INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)

Name of Event: STTP on "Recent Trends in Electronic Communication and Semiconductors"

Date of Event: 10th June 2024

Organized By: ABMSP' APCOER Department of Electronics and Telecommunication Engineering in association with Indian Society for Technical Education (ISTE)

Time of event: 10.00 AM to 5:00 PM

Name of Event Coordinators: Prof. Ashwini Suryawanshi

Name of Session Coordinators: Prof. Snehal Veer

Short term training program objective:

Designing a comprehensive training program for faculty in Electronics Communication, Semiconductor Technologies, and 5G involves several key components. The program should be structured to enhance the technical knowledge, pedagogical skills, and research capabilities of the faculty members.

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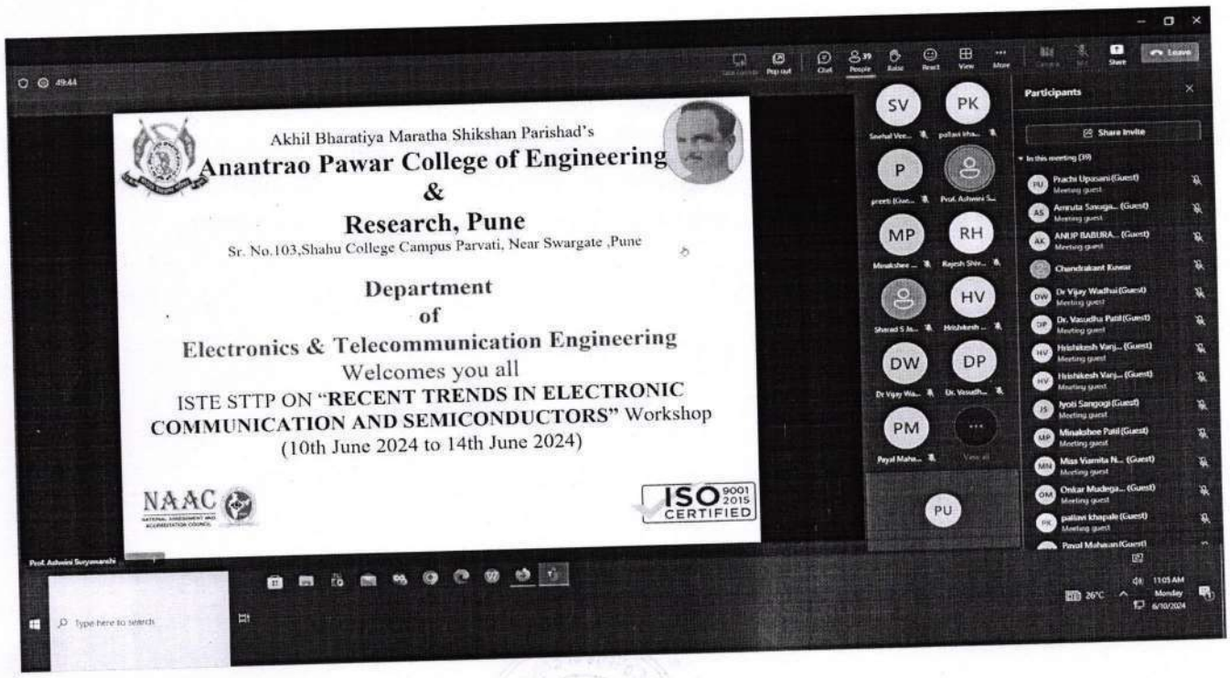
Inauguration Session (10 AM to 10.30 AM)

Short term training program started at 10 AM in the presence of and very eminent personalities, Dr. S. B. Thakare (Principal, APCOER), Dr.Vijay Wadhai (President, Cyber Security Corporation Pune), Mrs. Minakshee Patil (Assistant Professor, Sinhgad Academy of Engineering, Pune) Dr.Rashmi Mahajan (Assistant Professor,MIT, Pune) , Dr. Shaila Subrahmanan (Ex. Dean Academics of Autonomous Walchand College of Engineering, Sangali) , Dr. A. B. Deshmukh (HOD, E&TC Dept., APCOER) & all respectives. Program coordinator Prof. Ashwini Suryawanshi gives briefs about Vision, Mission of institutes and department and Short term training program objective. Dr. S. B. Thakare sir addresses the gathering and explains the need and innovation in communication and semiconductor field. At 10.30 AM Prof. Snehal Veer gives introduction speech of all guests and the short term program was started at 10. 30 AM.



Inauguration Session

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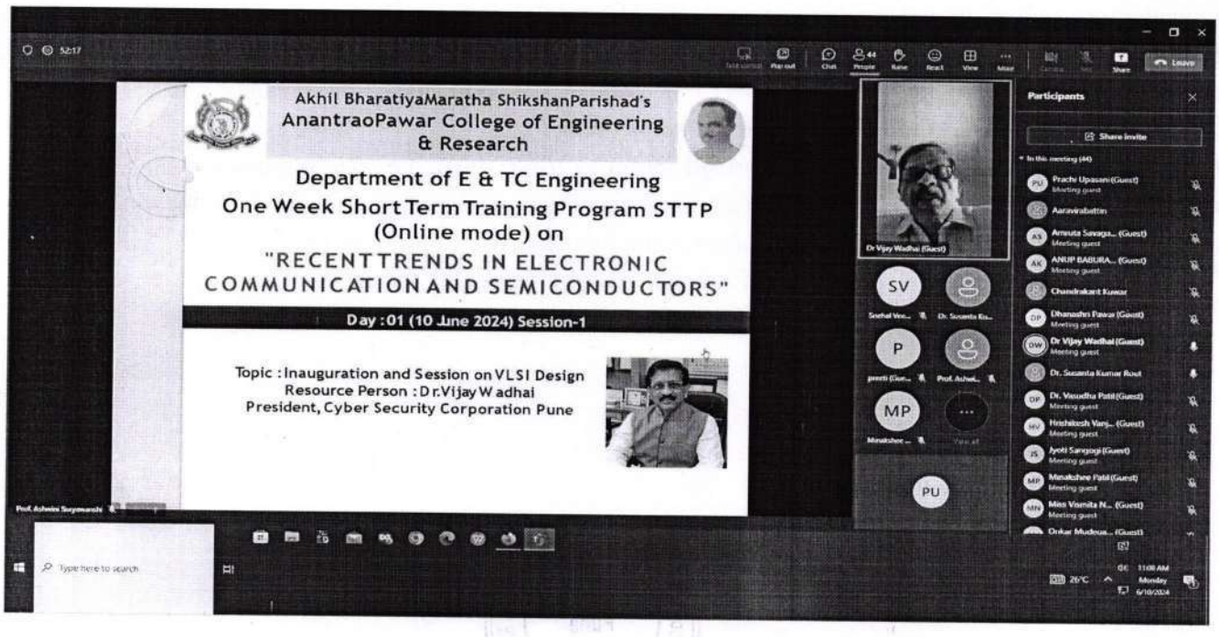
Day 1 - Session 1 (10.30 AM to 11.30 AM)

Name of resource Person/ Speaker:

Dr. Vijay Wadhai (President, Cyber Security Corporation Pune)

Brief Introduction of Resource Person/Speaker:

Dr. Vijay Wadhai. Dr. Wadhai Sir currently serves as the Principal and Professor at DY Patil College of Engineering; he has held this position since June 2018. His extensive career in academia spans numerous prestigious institutions where he has held significant leadership roles, including Principal and Professor. He has been worked as Principal & Professor at Trinity Academy of Engineering (2 Years), Sinhgad Technical Education Society (3 Years), and MAEER's MITCOE (6 Years) in Kothrud, Pune. He has a rich background in both academic administration and strategic planning; Dr. Wadhai has been instrumental in guiding institutions towards achieving autonomy, accreditation to NBA and NAAC quality standards. Dr. Wadhai's academic expertise is equally impressive. He holds a PhD in Electronics and Telecommunication Engineering from Sant Gadge Baba Amravati University and an M.E. in Power Electronics from Gulbarga University. He has authored over 200 research papers, holds 21 patents, and has published 8 books/ chapters. Dr. Wadhai has also successfully guided 16 PhD candidates.



Dr. Vijay Wadhi sir explain about basic of VLSI design

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Report On STTP Attended By Faculty

Day 1 - Session 1 (11.30 AM to 12. 30 PM)

Name of resource Person/ Speaker:

Prof. Minakshee Patil (Assistant Professor, Sinhgad Academy of Engineering, Pune)

Brief Introduction of Resource Person/Speaker:

Prof. Minakshee Patil has 19 Years of Professional Teaching Experience of UG and PG as Assistant Professor. She is pursuing PhD in Electronics and Telecommunication Engineering from Savitribai Phule Pune University. She has received Research grant of Rs 3, 00,000/- from BCUD (University of Pune). She Published 1 Patent, 2 books, 3 Book Chapters and 25+ research papers (SCIE, Scopus, and IEEE). Also she has worked as NAAC Co-ordinator in Sinhgad Academy of Engineering, Pune. She has strong analytical, logical and mathematical skills.

Day 1 - Session 1 discussion –

Prof. Minakshee Patil madam explains about History of semiconductors, its production, current semiconductor production and market scenario, she also explains about semiconductor fabs, Compound semiconductor, Semiconductor design companies and laboratory. She explains that the semiconductor industry is the aggregate of companies engaged in the design and fabrication of semiconductors and semiconductor devices, such as transistors and integrated circuits. It formed around 1960, once the fabrication of semiconductor devices became a viable business. The industry's annual semiconductor sale revenue has since grown to over $481 billion, as of 2018 and the semiconductor industry is projected to reach $726.73 billion by 2027. At the last she explains applications of semiconductor chip and IC fabrication flow.

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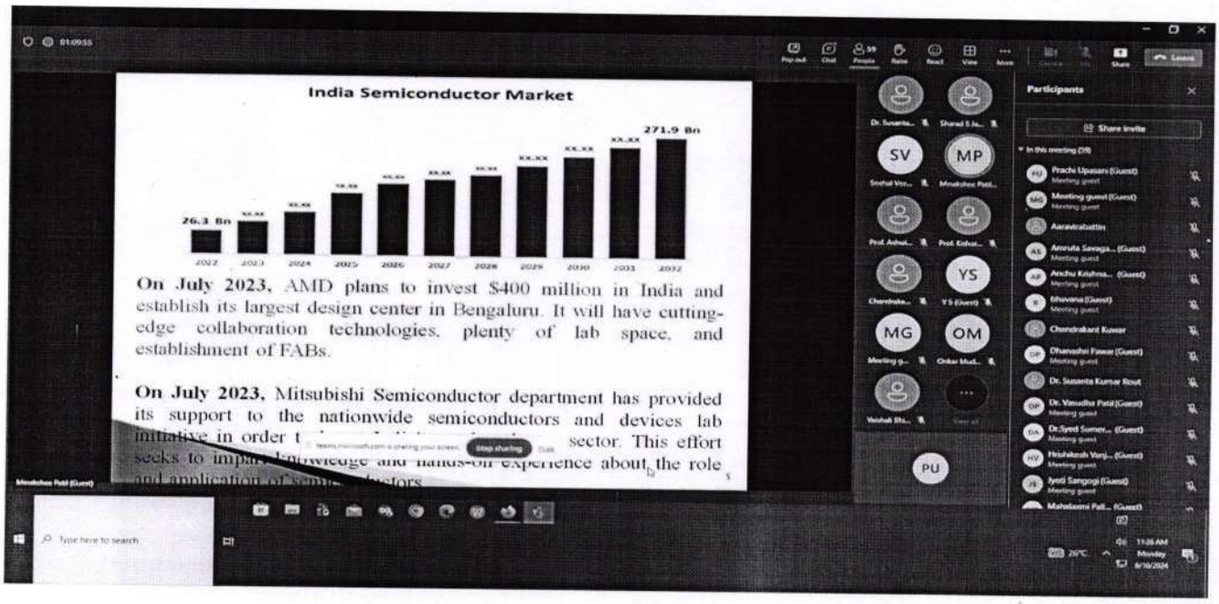
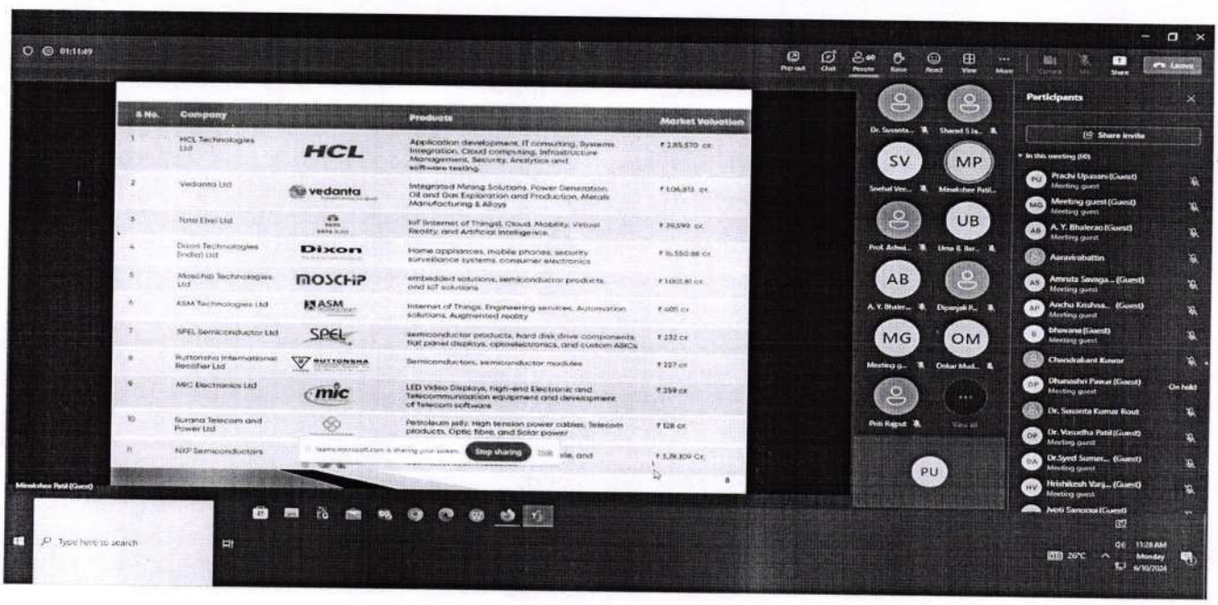
Report On STTP Attended By Faculty

Photographs of day 1 Session1



Minakshee madam explains about History of semiconductor production and market



Minakshee madam explains about current semiconductor production and market scenario

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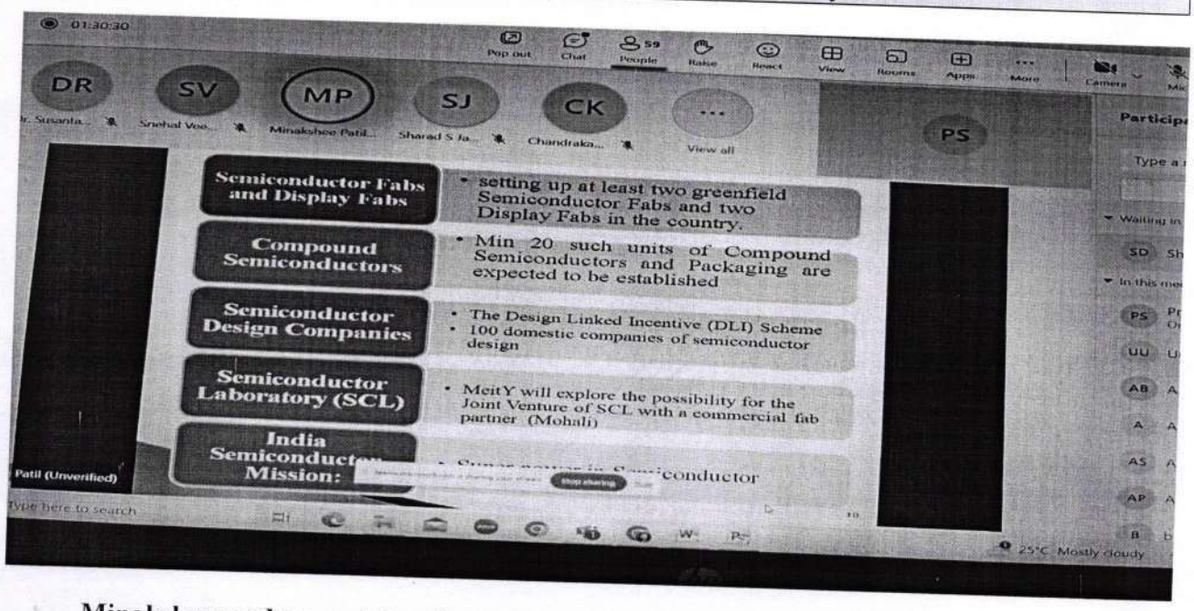
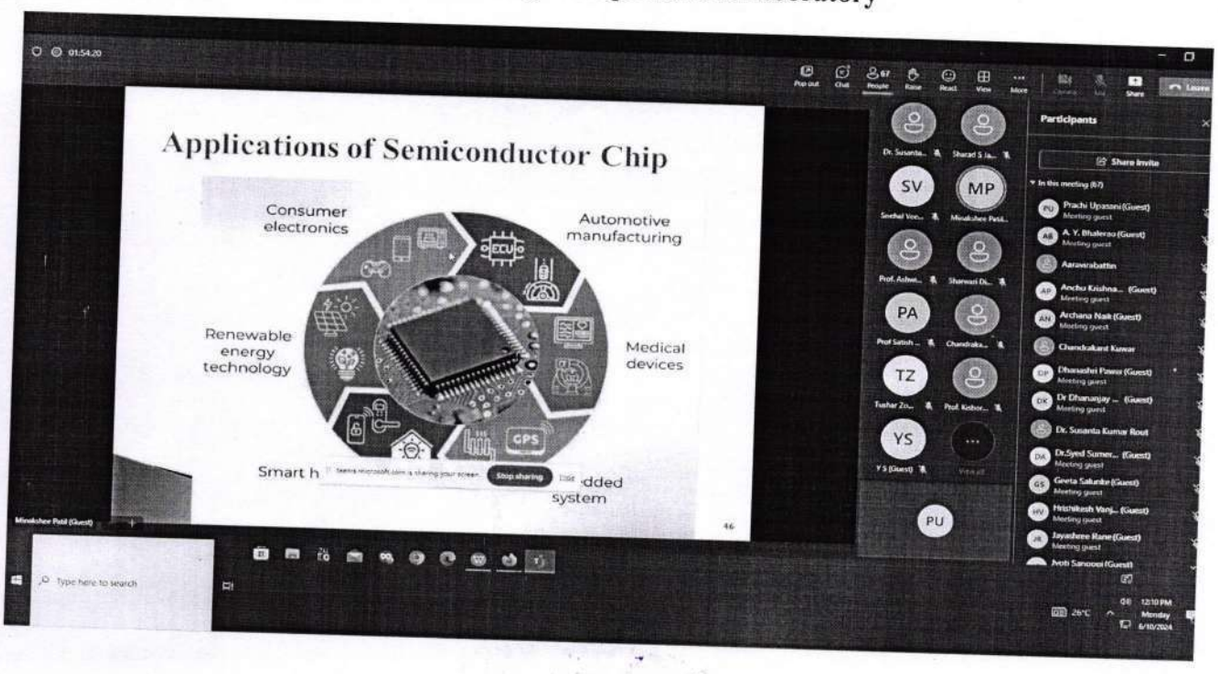


Minakshee madam explains about Semiconductor fabs, Compound semiconductor, Semiconductor design companies and laboratory



Application of semiconductor Chip

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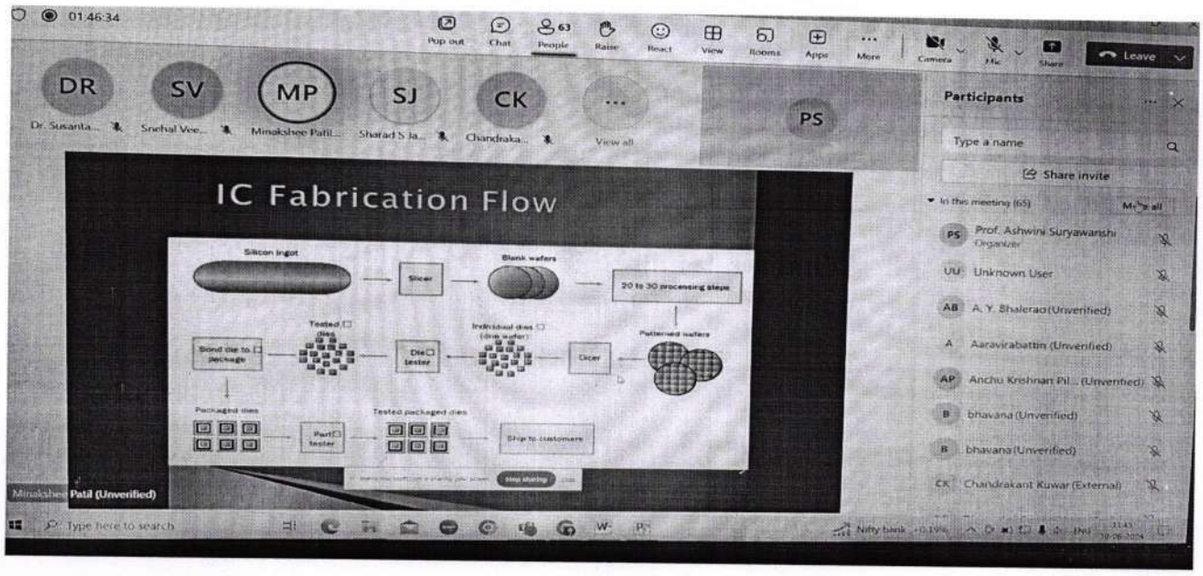

IC fabrication flow explanation

Day 1 - Session 1 (12. 30 PM TO 1.30 PM)

Name of resource Person/ Speaker:
Dr. Rashmi Mahajan (Assistant Professor, MIT, Pune)

Brief Introduction of Resource Person/Speaker:
Dr. Rashmi Mahajan is Ph.D. in Electronics Engineering from Kavayitri Bahinabai Chaudhary North Maharashtra University, Jalgaon. She has expertise in VLSI technology and has successfully completed BCUD funded research projects at Savitribai Phule Pune University. Her multi-disciplinary work profile extends in Embedded System, Artificial Intelligence and Machine Learning. She has published more than 22 research papers in various SCI/SCOPUS indexed journals and conferences. In her vast 20 years of service, she has contributed immensely in the field of research, academics as well as administrative work. She has been invited as a Guest and Subject Expert by many reputed Engineering colleges all over Maharashtra. Her work ethics and subject domain expertise has won her many accolades.

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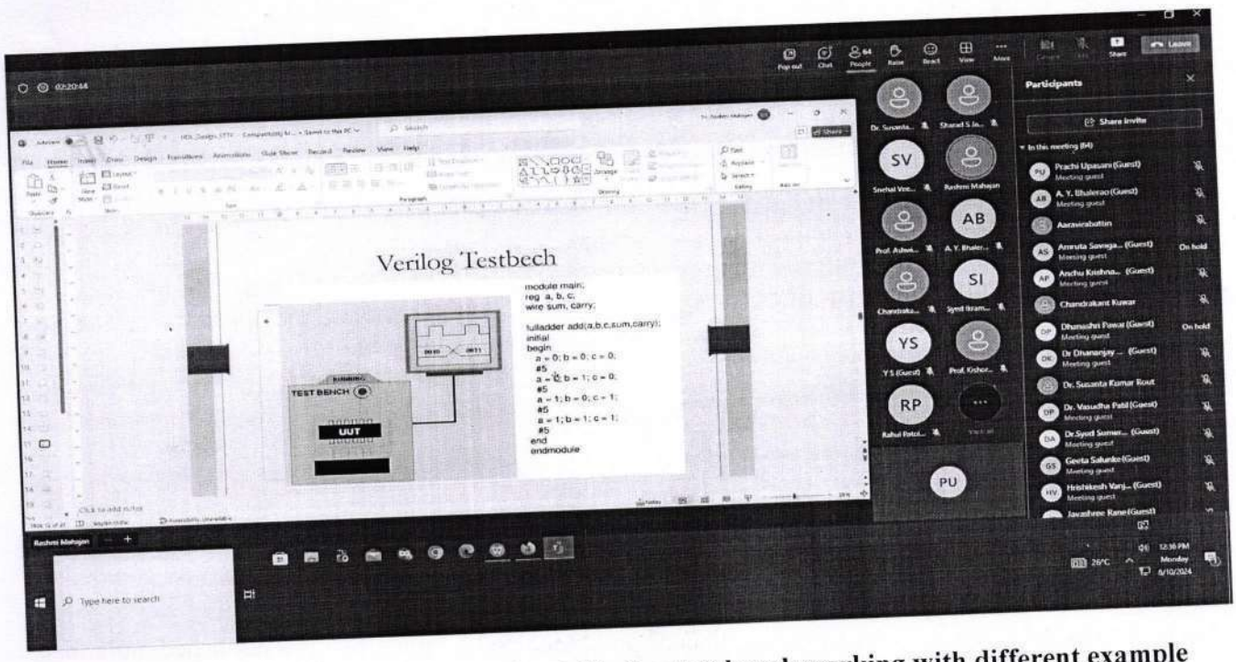
Day 1 - Session 1 discussion –

Dr. Rashmi Mahajan madam explains semiconductor chip design flow, VLSI chip Design, VLSI chip classification, details about CPLD, FPGA design, She also explains Verilog testbench with some examples. She said that creating a VLSI chip consists of arranging millions of small transistors on a tiny silicon chip.. Two types that exist are ASIC (designed to fulfil particular functions) and FPGA (reprogrammable for different applications). Just like defining the functions of a chip to placing components correctly in multiple verifications of their quality to ensure they operate correctly dictates the process. She also covers VLSI chip classification, working principles, construction and terminology, Challenges, Future Trends, Advantages, Disadvantages, Applications.



Dr. Rashmi Mahajan demonstrate about Verilog test bench working with different example

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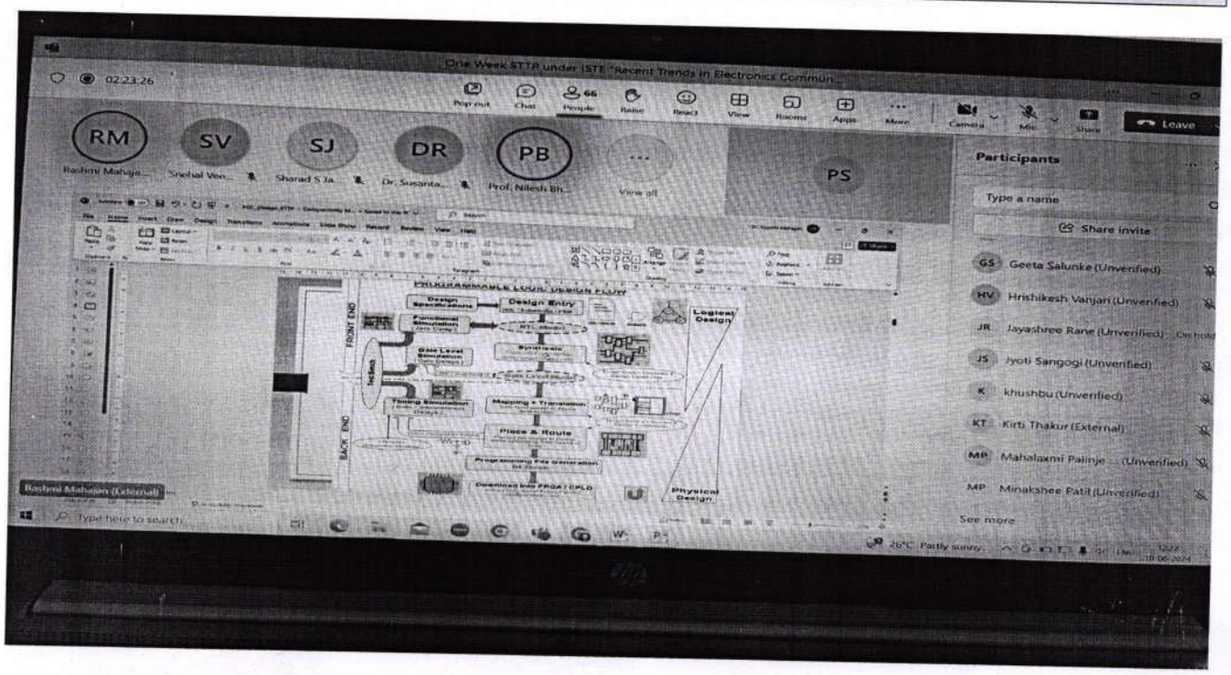

Dr. Rashmi Mahajan explains program logic design flow

Day 1 - Session 2 (2 PM TO 5 PM)

Name of resource Person/ Speaker:

Dr. Shaila Subbaraman (Ex. Dean Academics of Autonomous Walchand College of Engineering, Sangali

Brief Introduction of Resource Person/Speaker:

Dr. Shaila Subbaraman, Ph. D. from I.I.T., Bombay (1999) and M. Tech. from I.I.Sc., Bangalore (1975) has a vast experience in industry (1975 – 89) in the capacity of R & D engineer and Quality Assurance Manager in the field of manufacturing semiconductor devices and ICs. She also has more than 31 years of teaching experience (1989-2020) at both UG and PG level for the courses in Electronics Engineering. She is a recognized Ph. D guide of Shivaji University, Kolhapur. She has to her credit nine doctorates. Her specialization is in Micro-electronics and VLSI Design. She has more than fifty publications to her credit. One of the candidates has been awarded two patents on the Ph. D work pursued by him under her guidance. She retired as Dean Academics of autonomous Walchand College of Engineering, Sangli in 2010 and was working as Professor (PG) in the same college till Jan 2020. Additionally, she has worked as a NBA program evaluator for evaluating engineering programs while as an expert for giving guidance to the faculty of various engineering colleges regarding Outcome Based Education philosophy under NPIU umbrella (2017-19). She has worked successfully as Margadarshak

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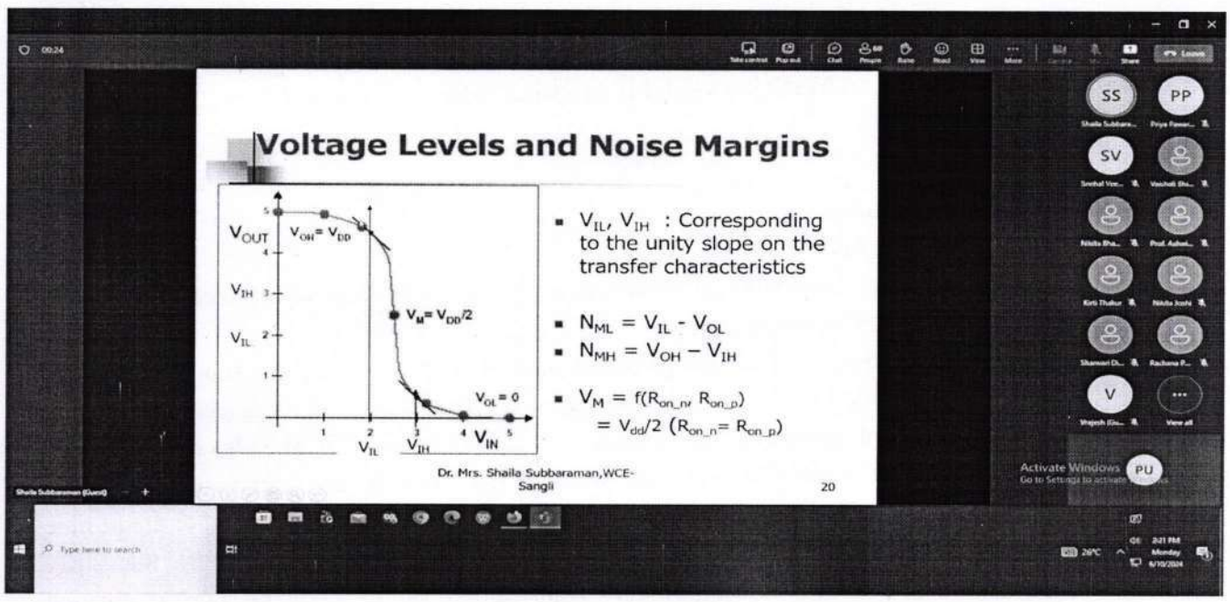
during 2019-23 (AICTE Scheme) for guiding two colleges in Maharashtra and facilitated them to achieve the NBA accreditation. She also worked as an NBA expert (2013-16) for assessing the programs of various colleges in India. Additionally, she was also involved as AICTE committee member for assessing the educational institutes in Punjab, MP, UP and Himachal Pradesh for extension of approval. She was felicitated in 2017 by "Pillars of Hindustani Society" award instituted by Trans-Asia Chamber of Commerce, Mumbai for her contribution to Higher Education in Western Maharashtra.

Day 1 - Session 2 discussion –

Dr. Shaila Subbaraman madam explains about the design of 5G high speed CMOS digital systems, issues and solutions in HSDS design, Different types of crosstalk, Different characteristic voltages and noise margin, 5G requirements, its speed, and its coverage, application of 5G, advantages and challenges, CMOS design and technology.



Dr. Shaila Subbaraman madam explains different characteristics for chip design

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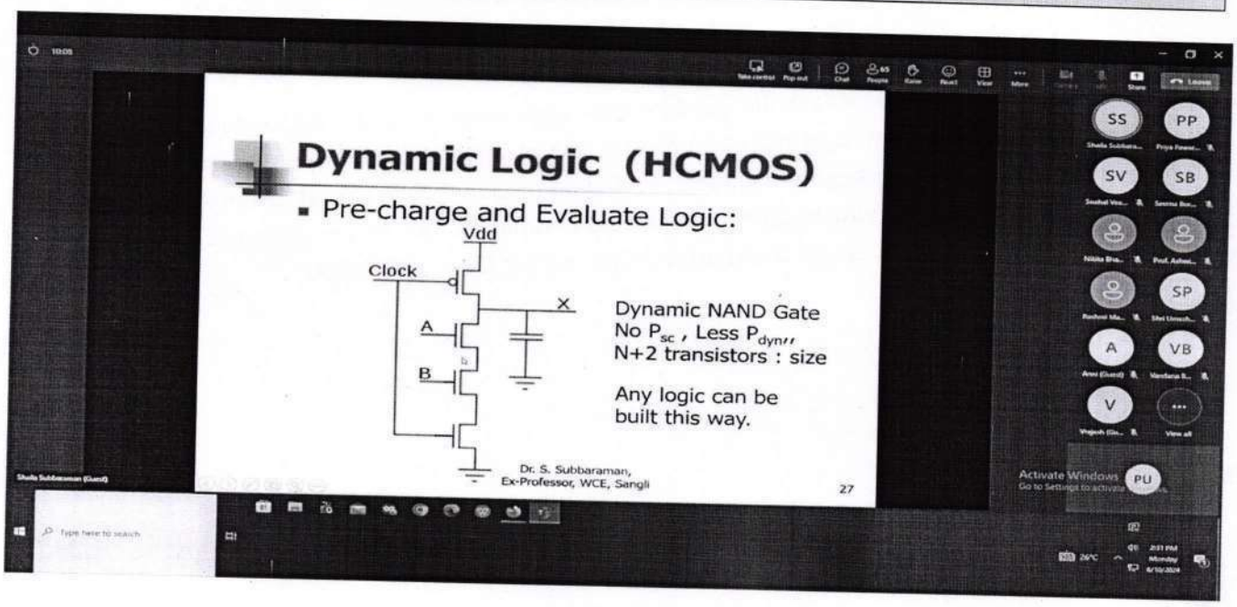
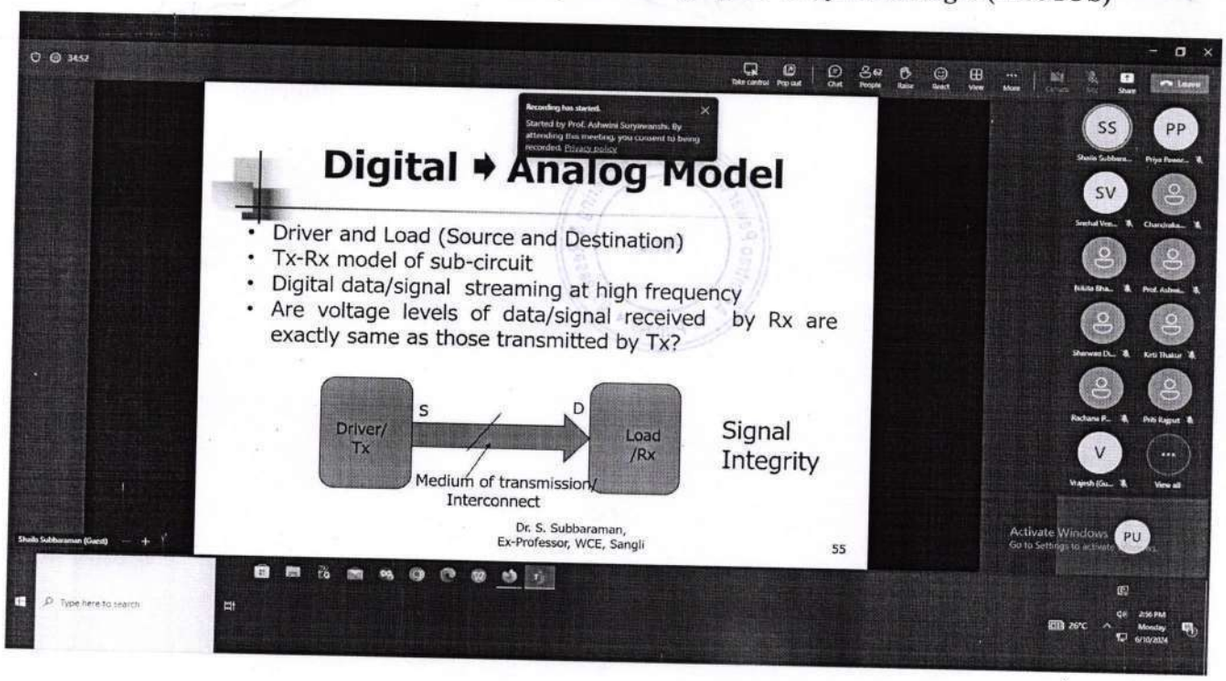


Dr. Shaila Subbaraman madam explains design part of dynamic logic (HCMOS)



Dr. Shaila Subbaraman madam explains digital Analog model

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At the end the session participants ask the question and speaker answered it. Prof. Snehal Veer gives vote of thanks for first day of short term training program she extended heartfelt gratitude and thanks to all guest, speaker, and supporting faculty members. Participants gave their feedback about session. The first days of the program was well structured and conducted in online mode, was coordinated by Prof. Snehal Veer under the guidance of Dr. Amar Deshmukh (HOD, E&TC Dept., APCOER

Date: 15/06/2024

Prof. Ashwini A Suryawanshi
Event Coordinator

Dr. Amar B. Deshmukh
Head of Department

Dr. Sunil B. Thakare
Principal

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Name of STTP: ONLINE One Week Short Term Training Program (STTP) on RECENT TRENDS IN ELECTRONIC COMMUNICATION AND SEMICONDUCTORS in association with ISTE.

Date of Event: 11/06/2024 to 11/06/2024

Organized By: Department of Electronics and Telecommunication Engineering

Time of event: 10:00 AM to 1:00 PM Session-1 & 2.00 pm to 5.00 pm Session-2

Name of Event Coordinators: Prof. A.A. Suryawanshi

Name of resource Person/ Speaker (If Applicable):

1. Dr. Vaishali Ingale for Session 1
2. Dr. Vanita Agarwal for Session 2

Brief Introduction of Resource Person/Speaker (If Applicable):

1. Dr. Vaishali Ingale is working as associate professor at COEP Tech. University, Pune. Topic-Semiconductor Technology
2. Dr. Vanita Agarwal is working as Assistant Professor at COEP Tech. University, Pune. Topic- Semiconductor Manufacturing Techniques.

Speaker 1:

Dr. Vaishali Ingale

Session 1 Date:11/06/2024

Dr. Vaishali With a research experience spanning over a decade, Dr. Ingale madam has made significant contributions to the field of technology through her pioneering research projects and scholarly publications. She has guided over 50 M.Tech theses, with ongoing supervision for 2 more, covering a wide array of cutting-edge topics ranging from reconfigurable cache memory models to the implementation of secure microprocessors. Noteworthy among her research endeavors is her work on the development of an Android-based 12 Channel Life plot ECG device, aimed at classifying ECG signals into various cardiac conditions, supported by prestigious grants from the Design Innovation Centre, IIT Bombay, and COEP's R&D cell.

Anantrao Pawar College of Engineering & Research Pune Pune-9

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Speaker 2:

Dr. Vanita Agarwal

Session 2 Date:11/06/2024

Dr. Agarwal's expertise extends beyond academia; she has also actively contributed to the advancement of technology in the industry. As a reviewer for prestigious technical journals like the IEEE IoT Journal (2017 2018) and IEEE Systems Journal (2019), she has played a crucial role in shaping the discourse around emerging technologies. Additionally, her involvement as an External Expert on the Interview Committee for Project Engineer selection at CDAC Bengaluru (2017 – 2019) underscores her commitment to nurturing talent and driving innovation.

Brief Description of Event:

Day 2: 11/06/2024 Time 10:00-01:00 PM Session 1: Semiconductor Technologies by Dr. Vaishali Ingale, Associate Professor, COEP, Pune

Day 2: 11/06/2024 Time 02:00-05:00 PM Session 2: Semiconductor Manufacturing Techniques by Dr. Vaneeta Agarwal, Assistant Professor, COEP, Pune

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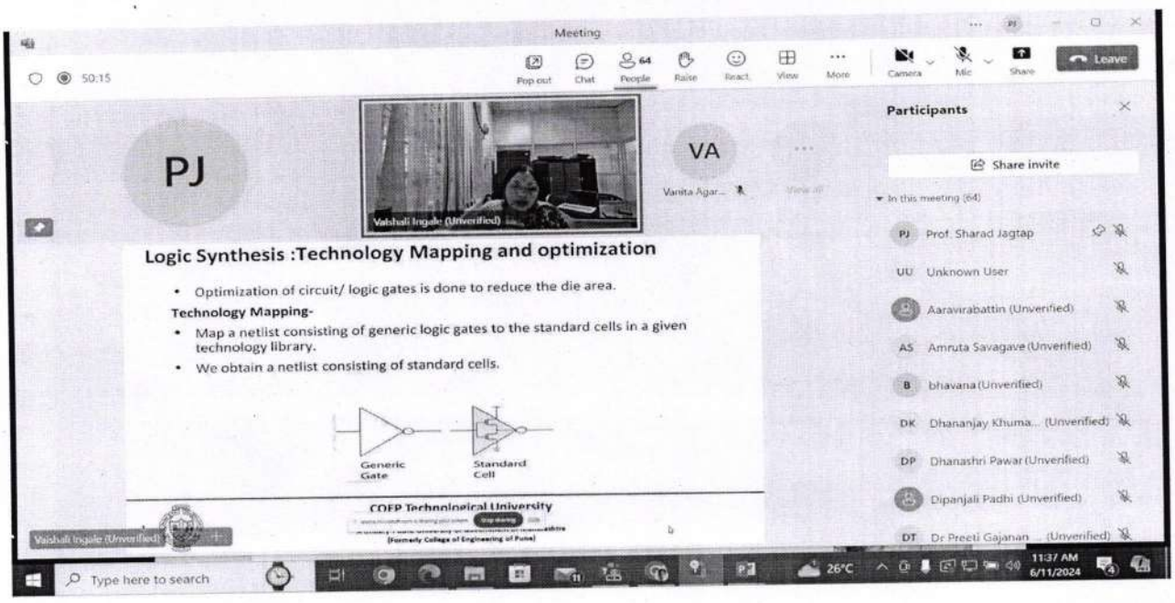
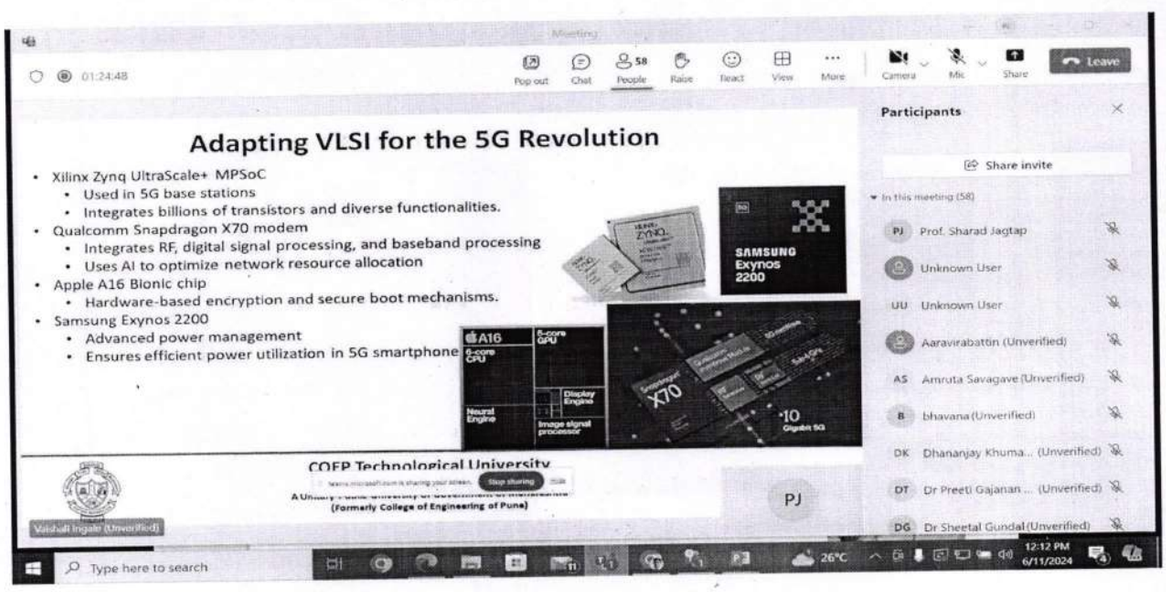
Photographs:



Dr. Vaishali Ingale Explaining Logic Synthesis in ISTE STTP



Faculties attending ISTE STTP

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

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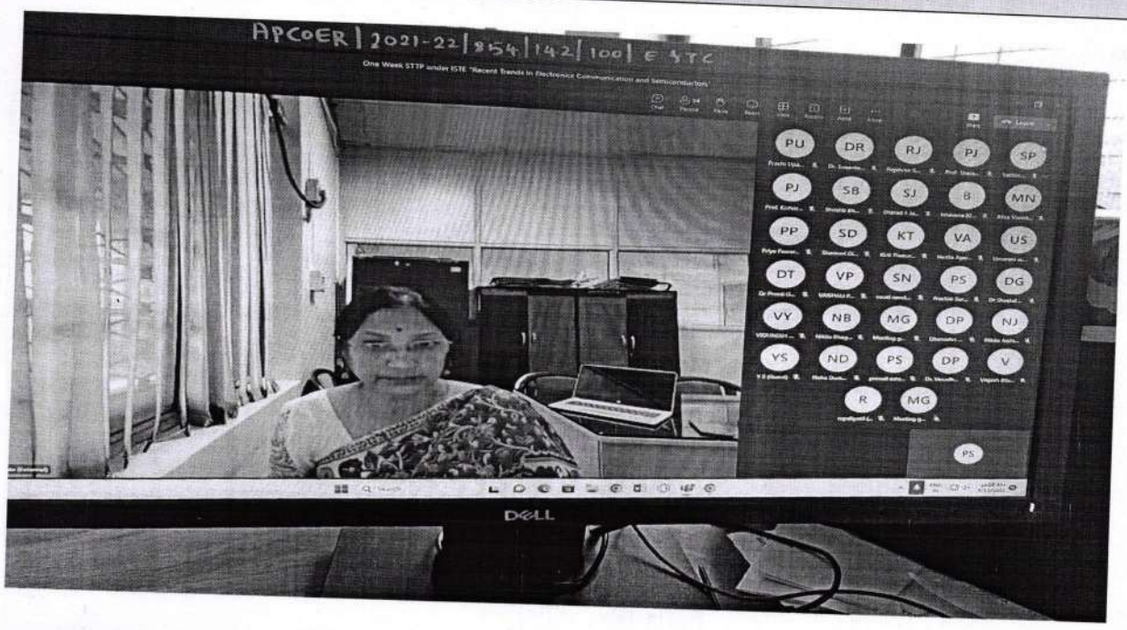
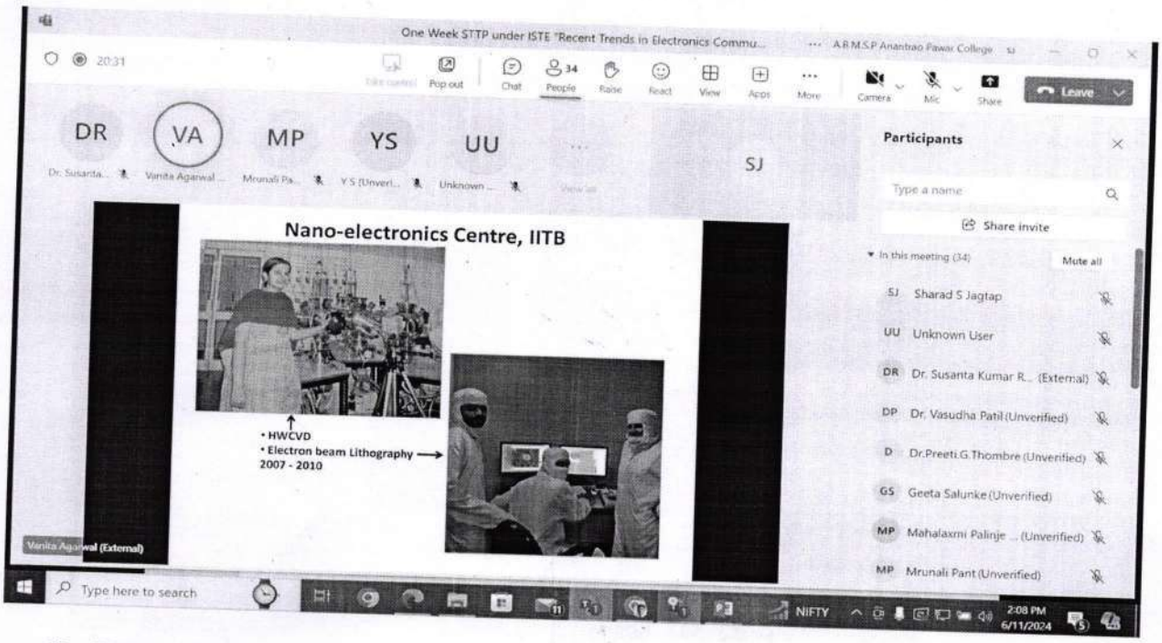


Dr. Vaishali Ingale in ISTE STTP Session 1



Dr. Vanita Agarwal sharing experiences at Nano Electronics Centre , IIT Bombay in ISTE STTP.

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Pune-9

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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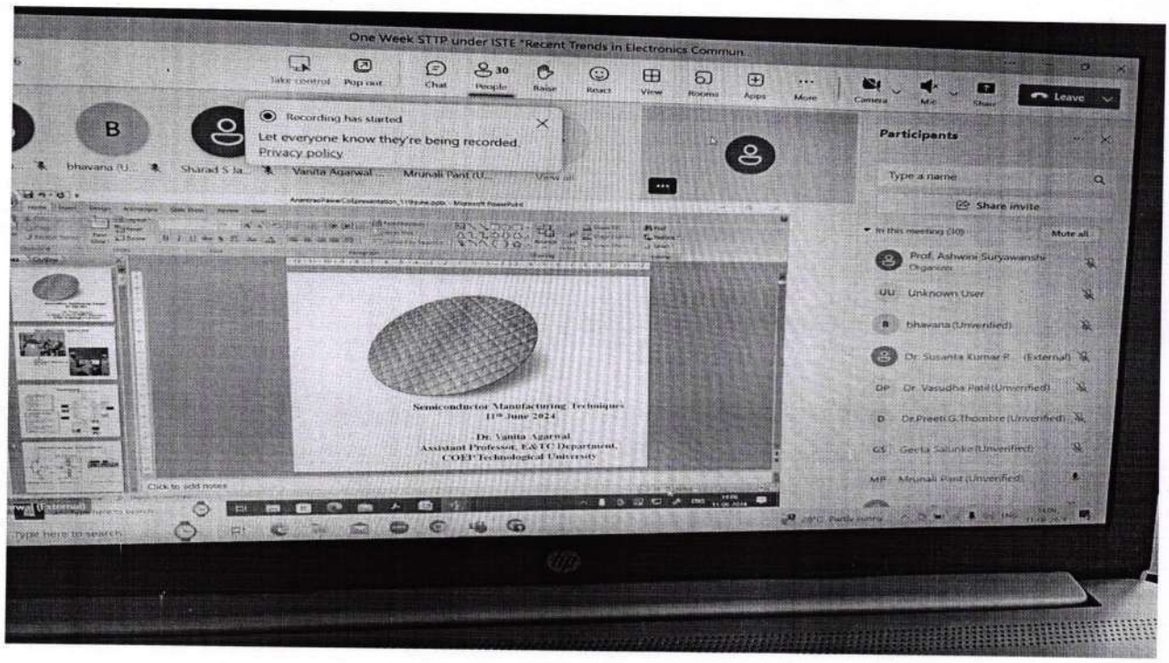

Session 2 addressed by Dr. Vanita Agarwal

Date: 15/06/2024

Prof. Ashwini A Suryawanshi
Event Coordinator

Dr. Amar B. Deshmukh
Head of Department

Dr. Sunil B. Thakare
Principal

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Pune
Pune-9

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**	

EVENT REPORT

Name of STTP: ONLINE One Week Short Term Training Program (STTP) on "RECENT TRENDS IN ELECTRONIC COMMUNICATION AND SEMICONDUCTORS" in Association with ISTE.

Date of Event: 12/06/2024 to 12/06/2024

Organized By: Department of Electronics and Telecommunication Engineering

Time of event: 10:00 AM to 1:00 PM Session-1 & 2.00 pm to 5.00 pm Session-2

Name of Event Coordinators: Prof. A.A. Suryawanshi

Name of Session Coordinator: Prof. Kishor Jadhav

Name of resource Person/ Speaker (If Applicable):

1. Dr. S V Gaikwad for Session 1
2. Dr. S V Gaikwad for Session 2

Brief Introduction of Resource Person/Speaker (If Applicable):

1. Dr. S V Gaikwad is working as Associate Professor at PICT, Pune.
   Topic-Microwave Communication

Speaker 1:

Dr. S V Gaikwad

Session 1 and Session 2 Date: 12/06/2024

Dr. S V Gaikwad received D.E.R.E. (Diploma) from CWIT, B.E., M.E. (Microwave) and Ph.D. in Electronics and Telecommunication from SPPU (University of Pune). He has 10 years industry experience and 18 years teaching experience. His research area includes design of an Antenna, Microwave techniques in Agriculture, Impact of microwave radiation etc. during research, associated with IIT Powai- campus, Mumbai. His publication are 20+ in International Journals and Conferences. He was invited speaker at International Microwave Power Institute, USA.

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Brief Description of Event:

Day 1: 12/06/2024 Time 10:00-01:00 PM Session 1: Microwave Communication by Dr. S V Gaikwad, Associate Professor, PICT, Pune

Day 2: 11/06/2024 Time 02:00-05:00 PM Session 2: Microwave Communication by Dr. S V Gaikwad, Associate Professor, PICT, Pune

Dr. Sandeep Gaikwad addressed and provide us clear explanations significantly enhanced our understanding of this complex and critical field.

Also Dr. Sandeep Gaikwad provided us, the detailed overview of the principles, applications, and technologies related to microwave communication was not only informative but also highly engaging. We particularly appreciated the way you addressed the recent advances and future trends, providing us with a comprehensive view of the topic. Also break down complex concepts into understandable segments and answer our questions thoroughly made the session extremely valuable. The knowledge gained from presentation will undoubtedly benefit our work and projects moving forward.

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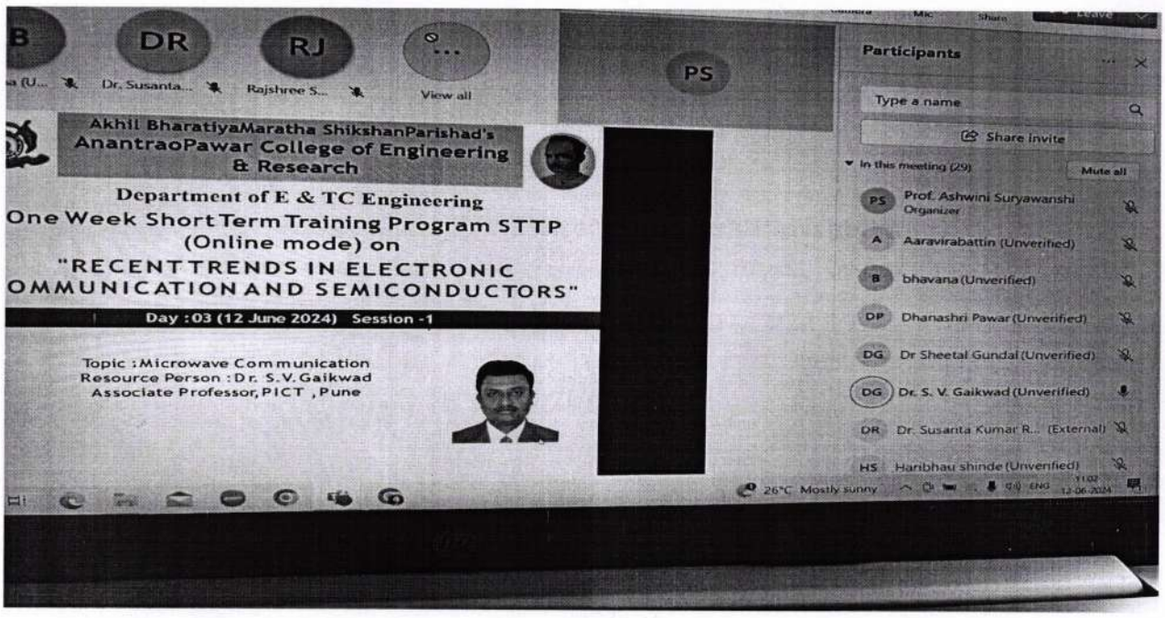
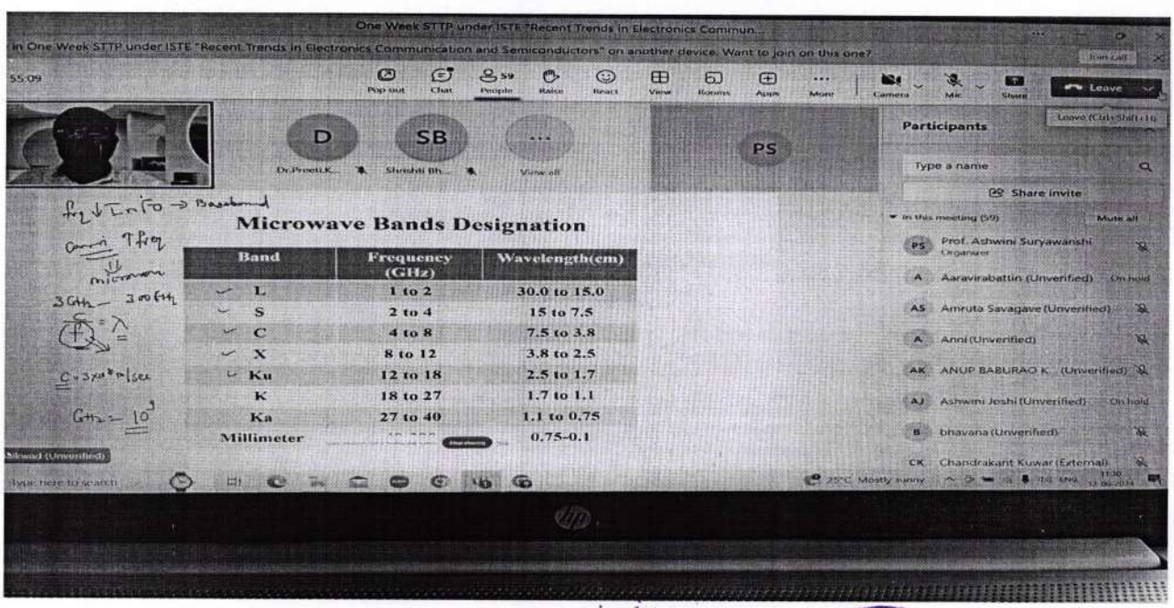
	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

EVENT REPORT

Photographs:



Dr. Sandeep V Gaikwad Presenting ISTE STTP Session-1 Microwave Communication on 12/06/2024



Faculties attending ISTE STTP

Anantrao Pawar College of Engineering & Research Pune Pune-9

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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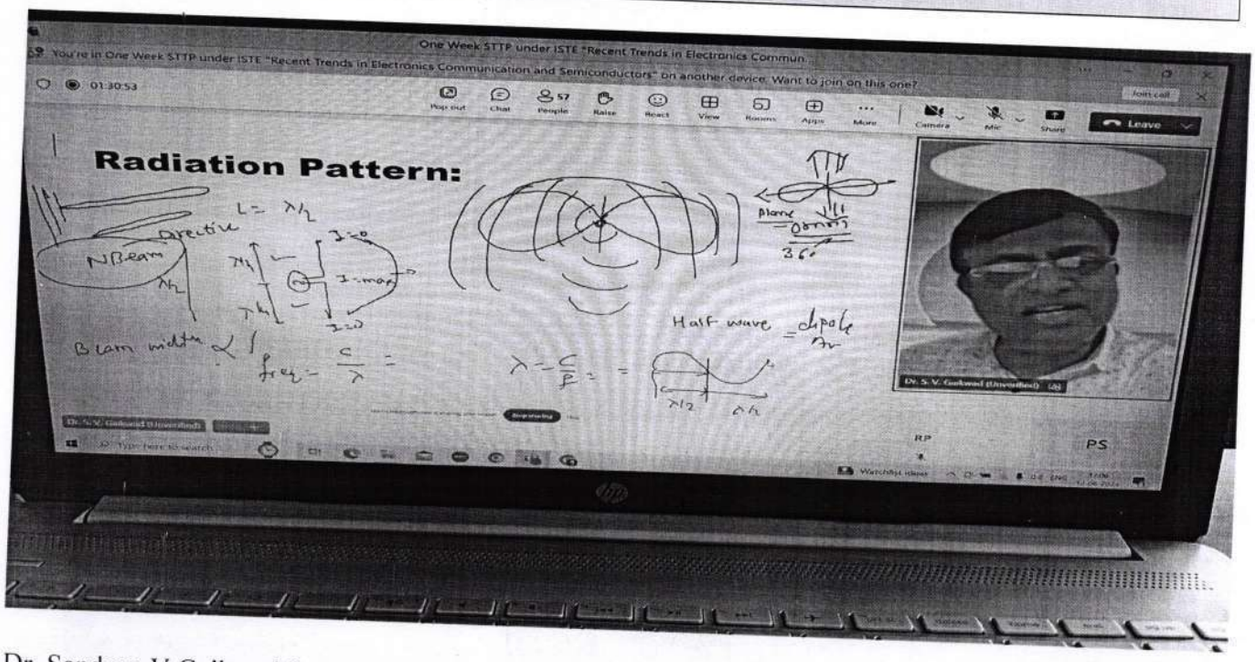
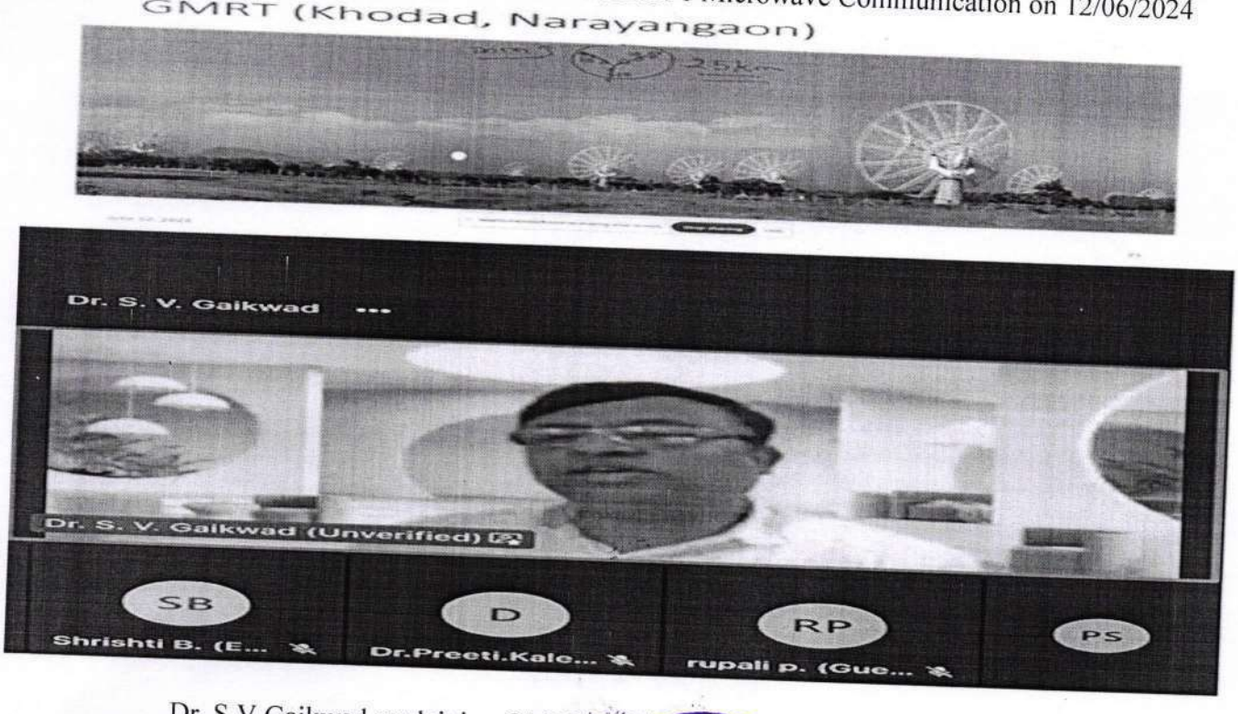


Dr. Sandeep V Gaikwad Presenting ISTE STTP Session-1 Microwave Communication on 12/06/2024



Dr. S V Gaikwad explaining GMRT about antenna array during ISTE STTP

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	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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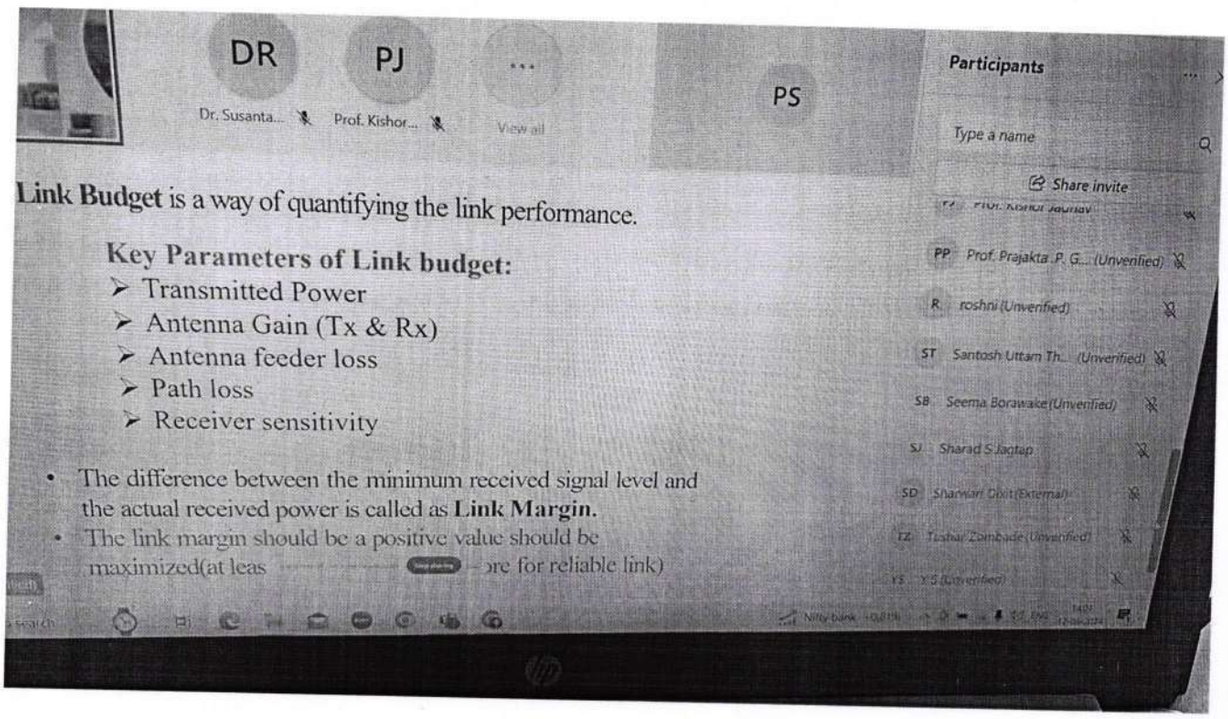

Session 2 addressed by Dr. Sandeep V Gaikwad

Date: 15/06/2024

Prof. Ashwini A Suryawanshi
Event Coordinator

Dr. Amar B. Deshmukh
Head of Department

Dr. Sunil B. Thakare
Principal

Anantrao Pawar College of Engineering & Research Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021B Revision: 00	DoI: 02/01/2023

Report On STTP Attended By Faculty

SHORT TERM TRAINING PROGRAM ON RECENT TRENDS IN ELECTRONIC COMMUNICATION AND SEMICONDUCTORS

Name of Event: STTP ON RECENT TRENDS IN ELECTRONIC COMMUNICATION AND SEMICONDUCTORS

Date of Event:13/06/2024

Time of Event: 10 AM to 5 PM

Name of Event Coordinator: Prof. Ashwini Suryawanshi
Name of Session Coordinator: Prof. Vaishali Bhimte

Name of Resource Persons/Speakers: 1. Dr. Seema Rajput
2. Dr. Prachi Mukherji

Brief Introduction of Resource Person/Speaker:

1. Dr. Seema Rajput completed PhD. in Electronics & Telecommunications in 2016 from Nagpur University. She is presently working as an Associate Professor at CCOEW, Pune. She is having total Working Experience of more than 23 Years. She has published several papers in reputed international and national journals. She has received Grant of Rs. 86 lakh by Govt. of India under Chip to startup program as co-chief-investigator. She is Head faculty co-ordinator of Start up and innovation cell at CCOEW. She is awarded with "Best Teacher Award" at Sinhgad Academy of Engineering, Kondhwa, Pune

2. Dr. Prachi Mukherji is currently professor in Electronics and Telecommunication Department and the dean, of Cummins College of Engineering for Women, Pune. She completed her PhD from SPPU with COEP centre in 2009. She has thirty years of experience in teaching. She is the Chief Investigator of the C2S project grant of approx. one crore, received from MeitY. She has more than 80 publications in referred journals and conferences. She also has a patent. She is a recipient of multiple awards including the prestigious National Level Smt. Triveni Devi Gupta Memorial Award by IETE. She is a Senior Member IEEE and Fellow, IETE. Her areas of research are Signal Processing, Communication and Machine Learning. She is on CDC committee of Colleges, Member of E&TC BoS of SPPU, and session chair in conference, Speaker in AICTE and ATAL FDPs and reviewer of Journals.

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	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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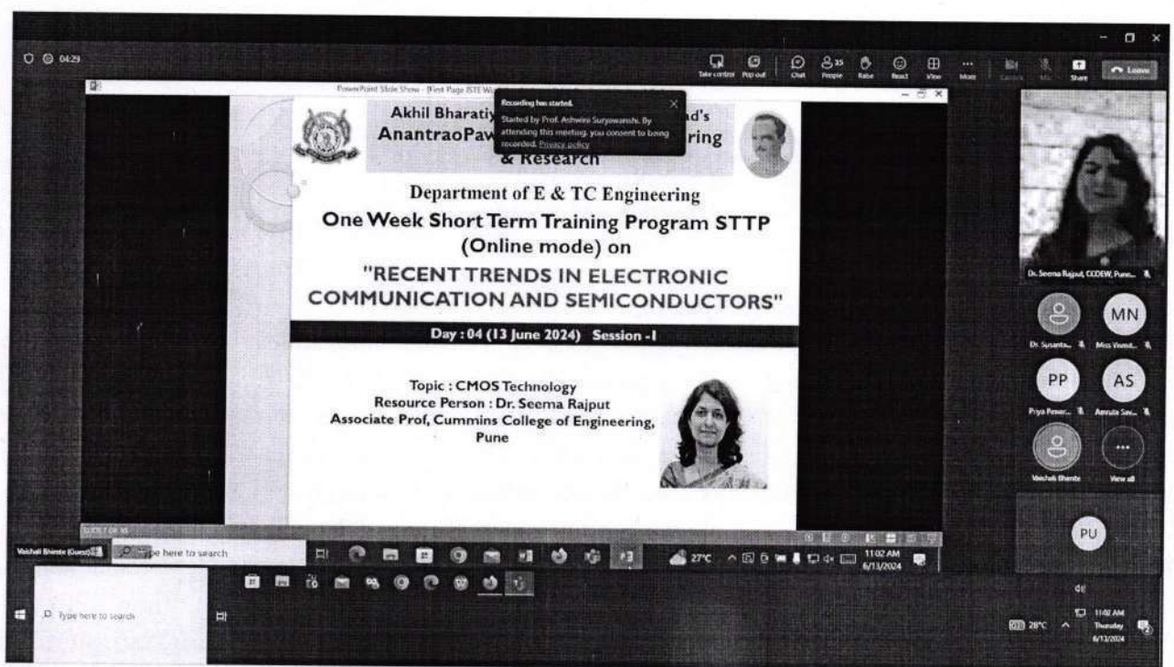
Report On STTP Attended By Faculty		

Brief Description of STTP:

Day 4 Session 1:

Dr. Seema Rajput mam explain about CMOS brief introduction, CMOS fabrication process, CMOS digital logic circuits, Technology scaling, VLSI Design flow, Cadence simulation, Layout Design Rules, stick diagrams and CMOS analog circuits. She has mainly focused on CMOS fabrication process and CMOS digital designs in detail. She has interacted with participants during the session. Participants have asked many questions during the session.



Dr. Seema Rajput conducted session on CMOS technology

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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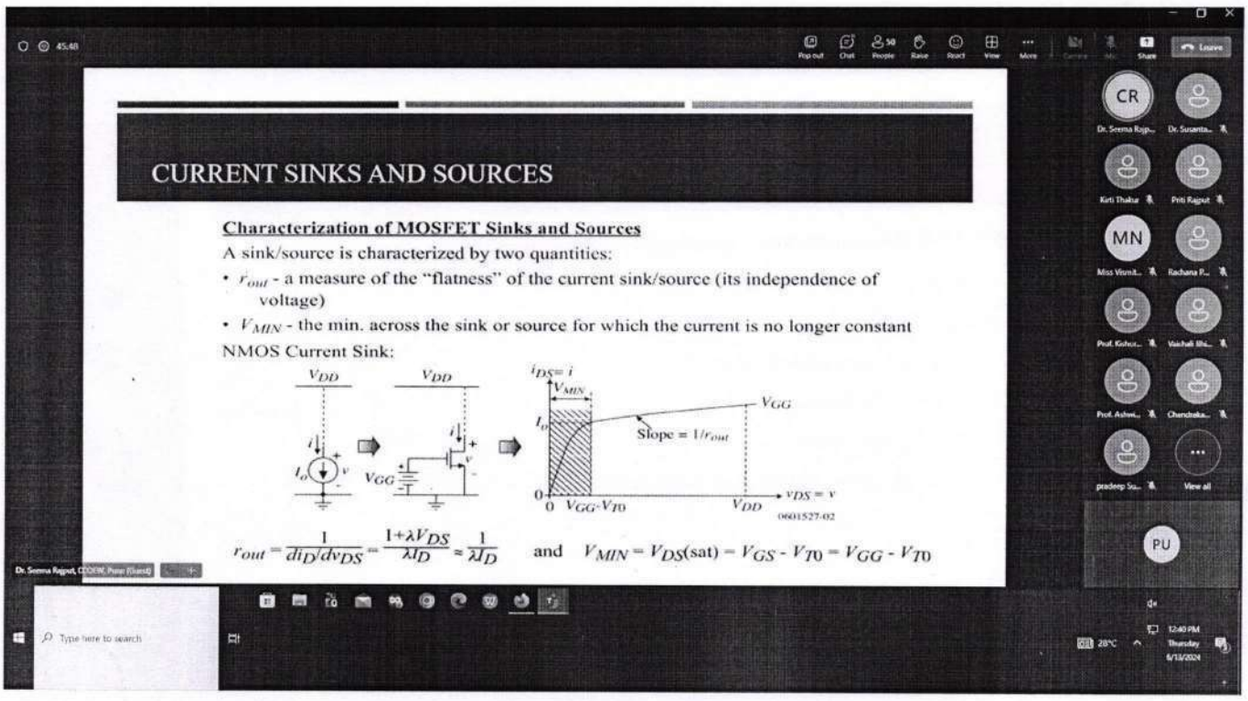
Report On STTP Attended By Faculty



Current sink and Sources Information

Day 4 Session 2-

Dr. Prachi Mukherji conducted session on 5G technology. She has focused on why 5G,three pillars of 5G,5G Network,5 G Core features, SDN and Future scope release. She has covered network evolution from 4G to 5G.She also covered 5G network spectrum. She has also suggested SDN research areas to all participants. Participant has also interacted with session speaker about 5G technologies.

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	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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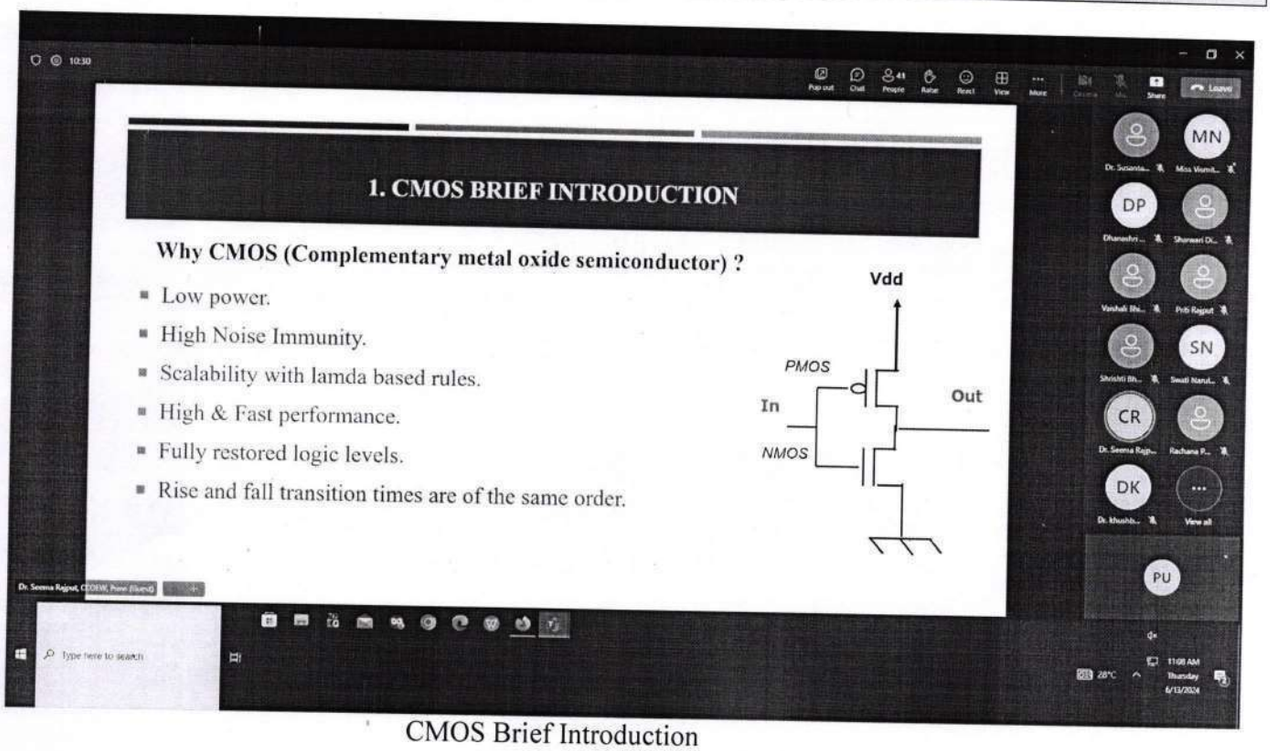
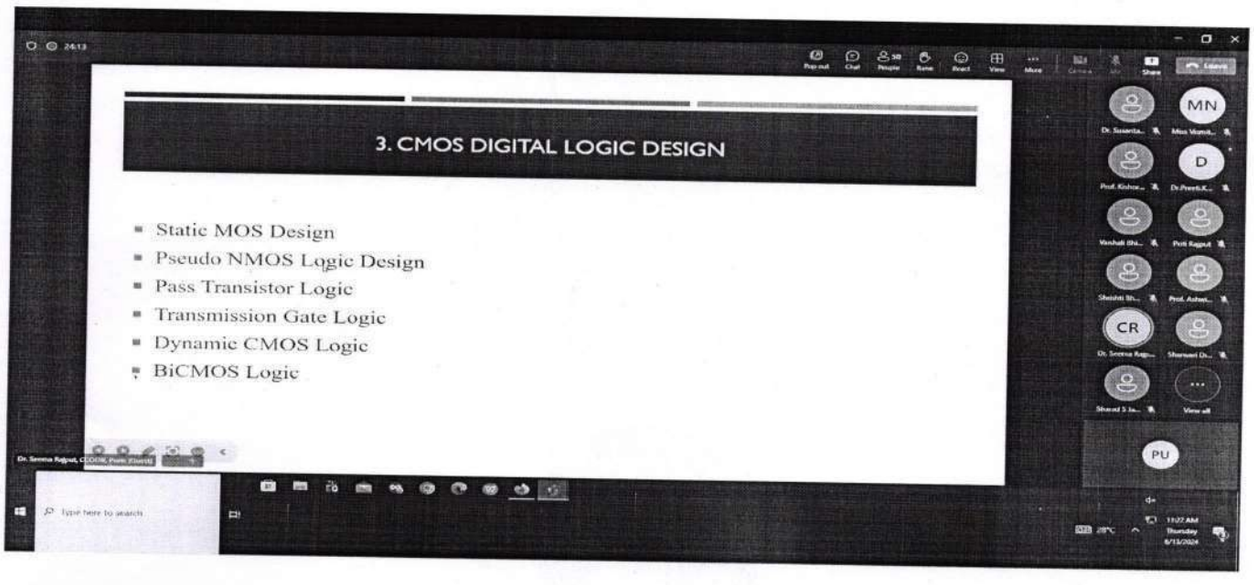
Report On STTP Attended By Faculty



CMOS Brief Introduction



CMOS Digital Logic Design

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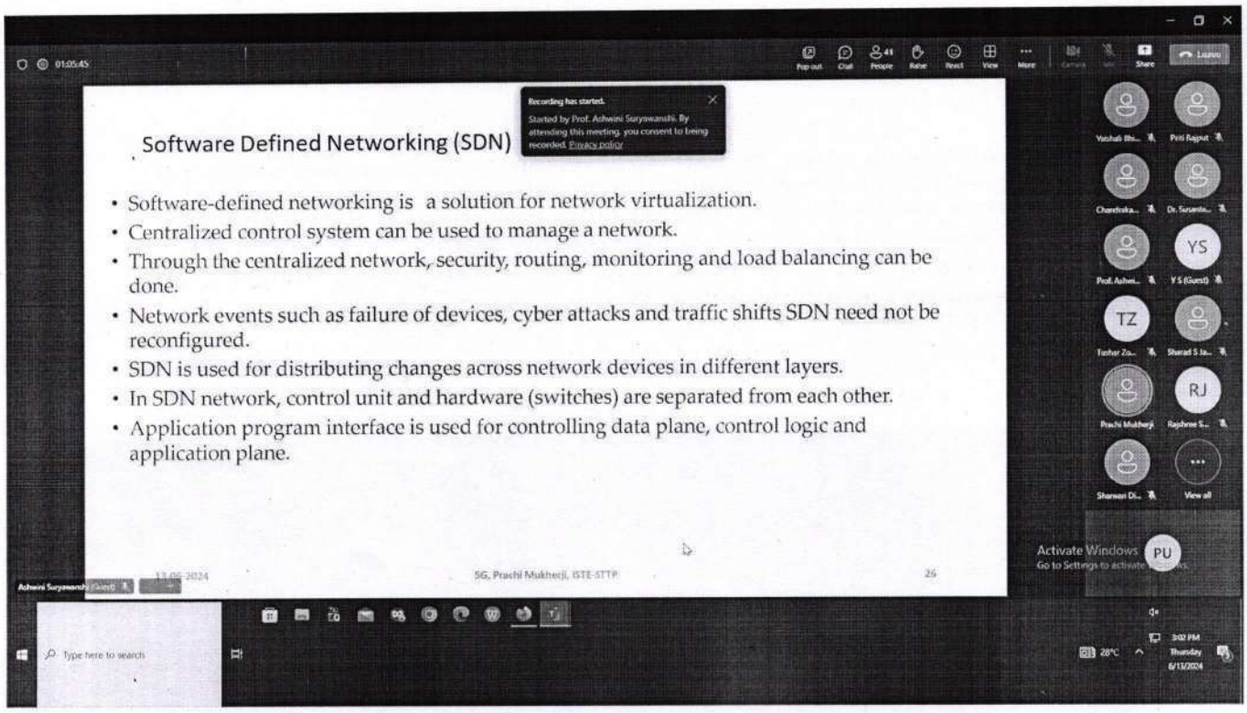
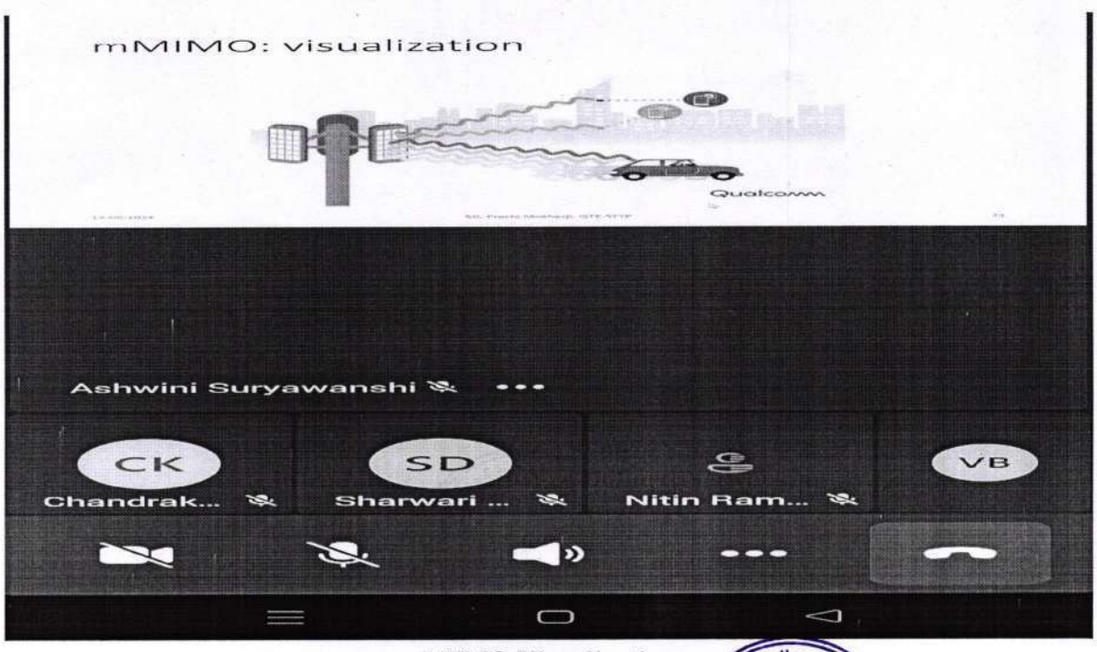
Report On STTP Attended By Faculty



Introduction to Software Defined Networking



MIMO Visualization

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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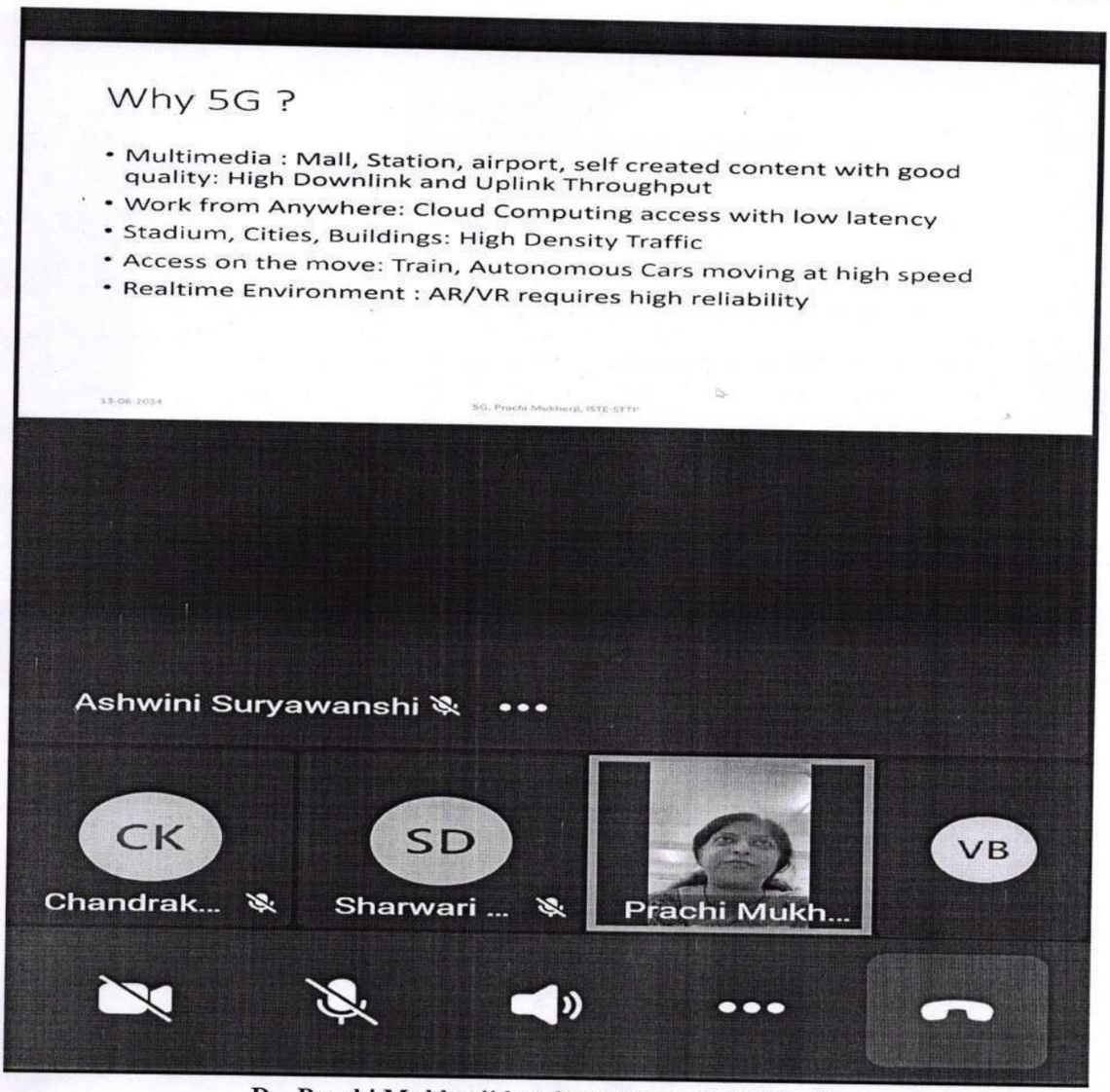
Report On STTP Attended By Faculty



Dr. Prachi Mukherji has focused on why 5G topic

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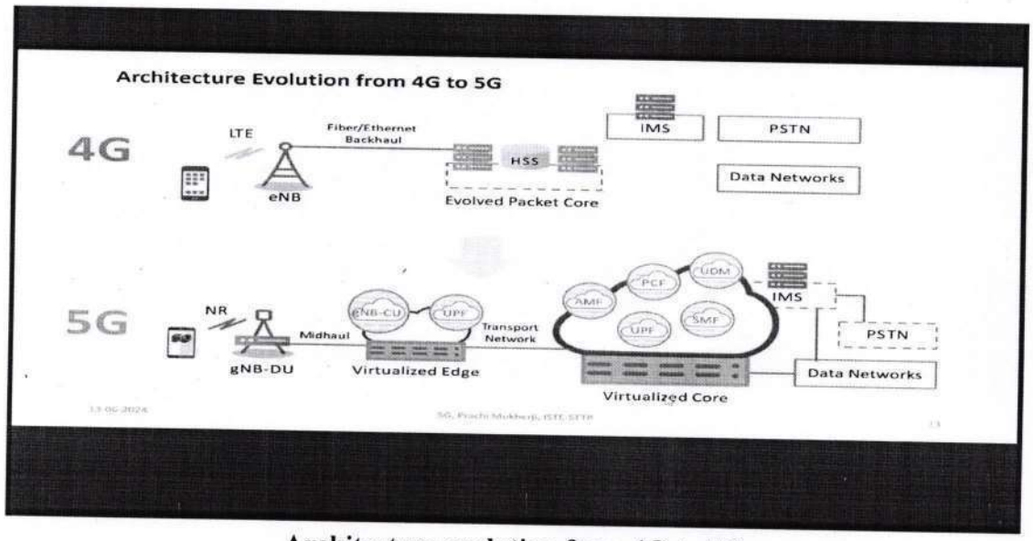
Report On STTP Attended By Faculty		



Architecture evolution from 4G to 5G

At the end, Prof. Vaishali Bhimte gives vote of thanks for fourth day of short term training program. She extended heartfelt gratitude and thanks to all guest speaker, participants and supporting faculty members. Participants gave their feedback about session. The fourth day of the program was well structured and conducted in online mode, was coordinated by Prof. Vaishali Bhimte under the guidance of Dr. Amar Deshmukh (HOD, E&TC Dept.), APCOER.

Date: 15/06/2024

Prof. Ashwini A Suryawanshi
Event Coordinator

Dr. Amar B. Deshmukh
Head of Department

Dr. Sunil B. Thakare
Principal

Anantrao Pawar College of Engineering & Research Pune-9

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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EVENT REPORT

Name of STTP: ONLINE One Week Short Term Training Program (STTP) on "RECENT TRENDS IN ELECTRONIC COMMUNICATION AND SEMICONDUCTORS" in Association with ISTE.

Date of Event: 14/06/2024 to 14/06/2024

Organized By: Department of Electronics and Telecommunication Engineering

Time of event: 10:00 AM to 1:00 PM Session-1 & 2.00 pm to 5.00 pm Session-2

Name of Event Coordinators: Prof. A.A. Suryawanshi

Name of resource Person/ Speaker (If Applicable):

1. Mr. Ashok Saraf for Session 1
2. Mr. Sudarshan Natu for Session 2

Brief Introduction of Resource Person/Speaker (If Applicable):

Speaker 1: Mr. Ashok Saraf

Session 1 Date: 14/06/2024

Mr. Ashok Saraf received B. Tech Electrical Engineering in 1973, IIT Bombay, ME in Digital Communication, Philips International Institute, Eindhoven in 1975. He is Innovation Club Member at APCOER, Pune. He has Total 45 years of experience in various fields. He worked as a research leader for India Center of world's largest research organization "Battle Memorial Institute", Ohio Columbus USA. He has been Technical Advisor for Sakal Paper, Kirloskar Pneumatics, Mahindra and Mahindra, Telco, BHEL, Accurate Engineering, Infosys, KPIT Cummins. He is Technical Director at "Syslab Automation Pvt. Ltd.", Pune.

Speaker 2: Mr. Sudarshan Natu

Session 2 Date: 14/06/2024

Mr. Sudarshan Natu received BE from COEP, M.Tech in Communication from IIT Bombay in 1982. He is Innovation Club Member at APCOER, Pune. He has Total 38 years of industry experience, currently working as a Mentor and consultant to startups and product based companies. He has expertise in VLSI

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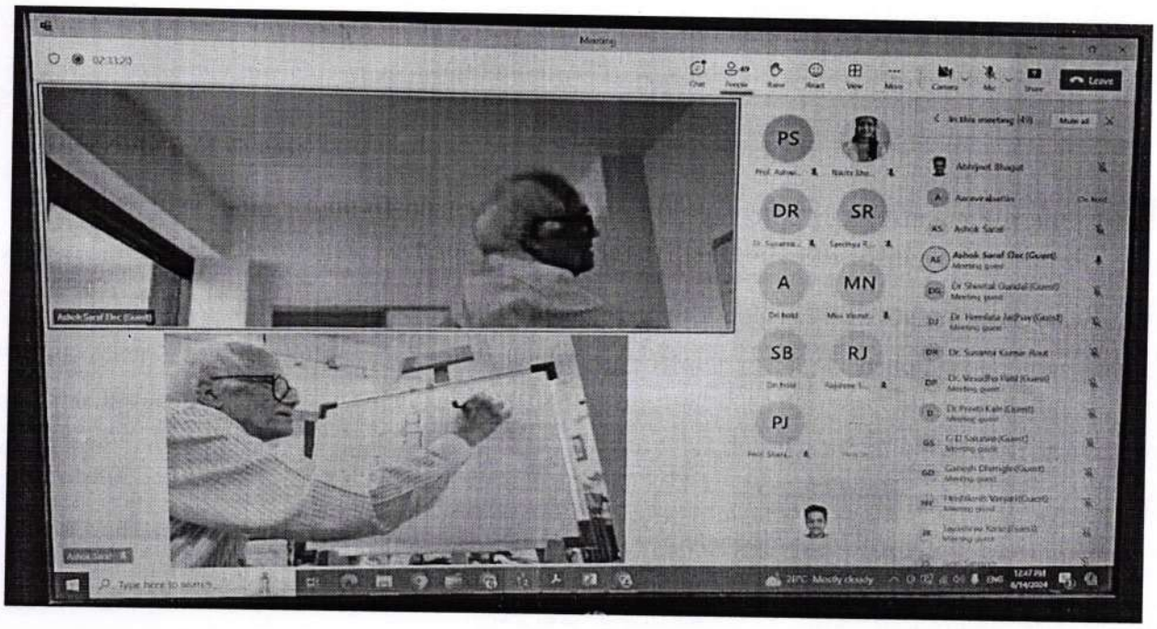
Design, FPGA Design, IP Design. He has awarded "Yashokirti Puraskar" for contribution in IT field. He has awarded by Government of Maharashtra for "Best Exporting Company" in 1998.

Brief Description of Event:

Day 5: 14/06/2024 Time 10:00-01:00 PM Session 1: "Design of CMOS Analog Circuit" by Mr. Ashok Saraf, Trustee Science & Technology Park, Savitribai Phule Pune University, Pune.

Mr. Ashok Saraf explained the chosen CMOS analog circuit topology (e.g., Digital Gates, operational amplifier, filters etc.). as well as gave brief about design Requirements, Constraints and considerations during the design process.

Photographs:



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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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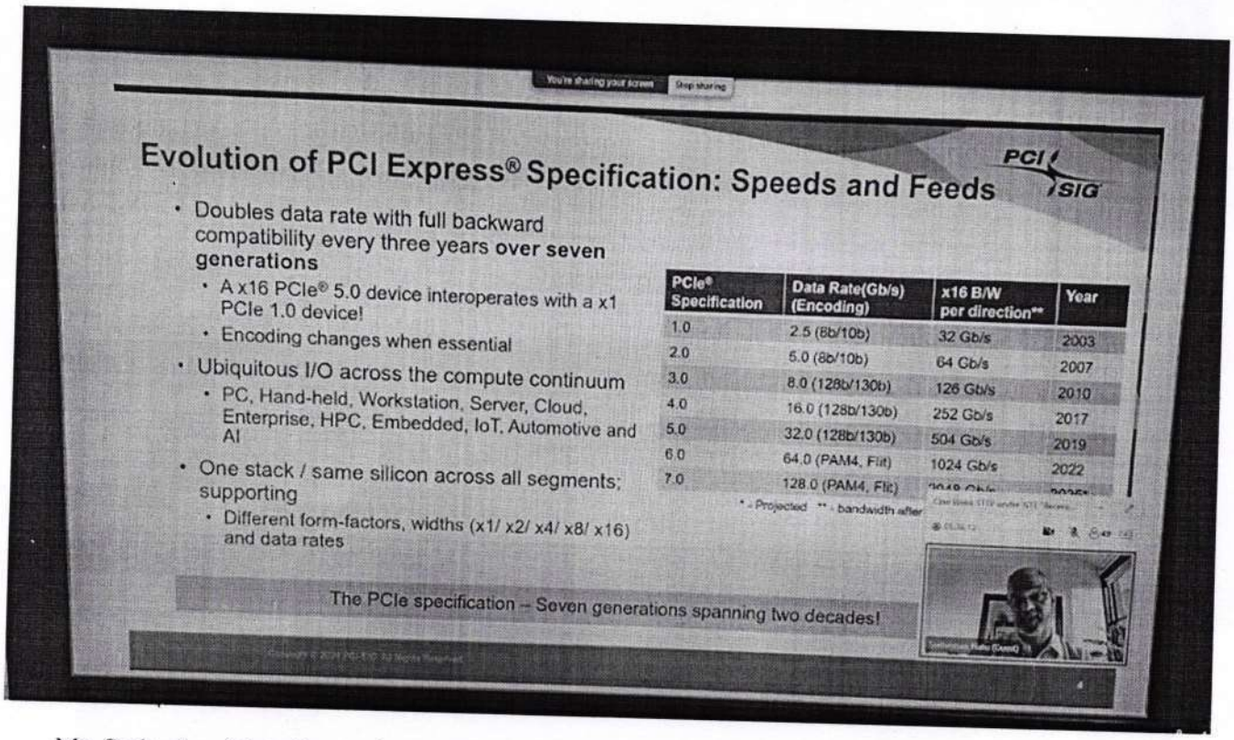
Day 5: 14/06/2024 Time 02:00-05:00 PM Session 2: "IP Development Platform based on FPGA Technology-Experience Sharing" by Mr. Sudarshan Natu, Managing Director, Nital Computer Systems Pvt. Ltd., Pune.

Mr. Sudarshan Natu explained the purpose of developing the IP and its intended use. He discussed the importance of FPGA-based IP development in modern digital design. Also Sudarshan Natu shared their experience with us related to IP Development Platform based on FPGA Technology was not only informative but also highly engaging.

Photographs:



Mr. Sudarshan Natu Presenting ISTE STTP Session-2 IP Development Platform based on FPGA Technology-Experience Sharing on 14/06/2024

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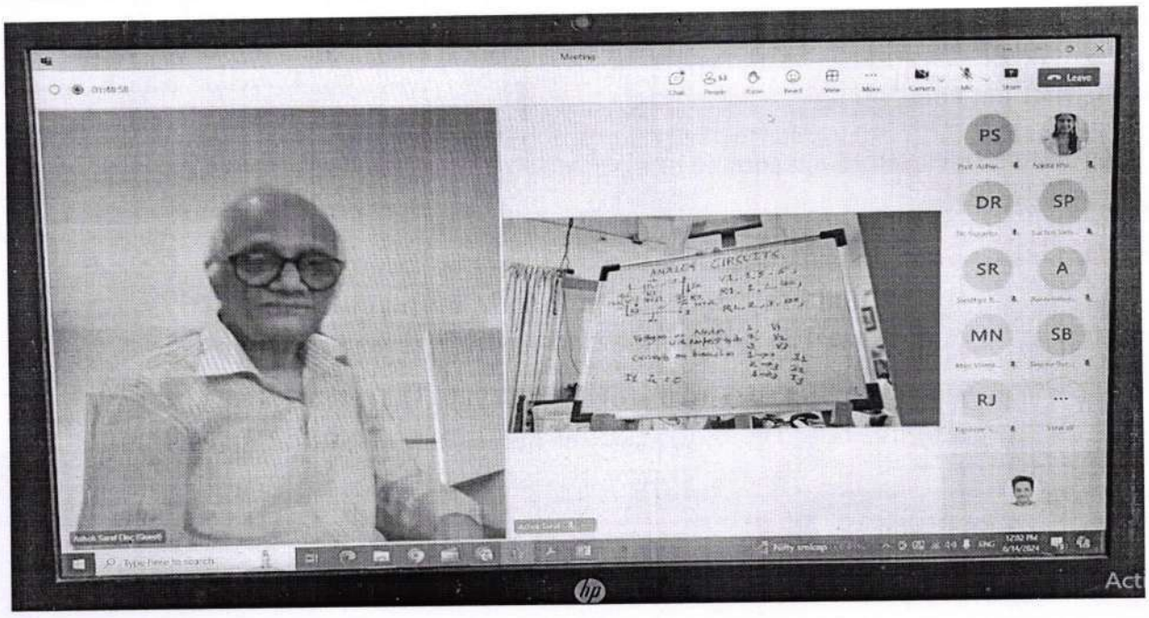

Mr. Ashok Saraf Presenting ISTE STTP Session-1 Design of CMOS Analog Circuit on 14/06/2024

Faculties attending ISTE STTP

Anantrao Pawar College of Engineering & Research
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Pune-9

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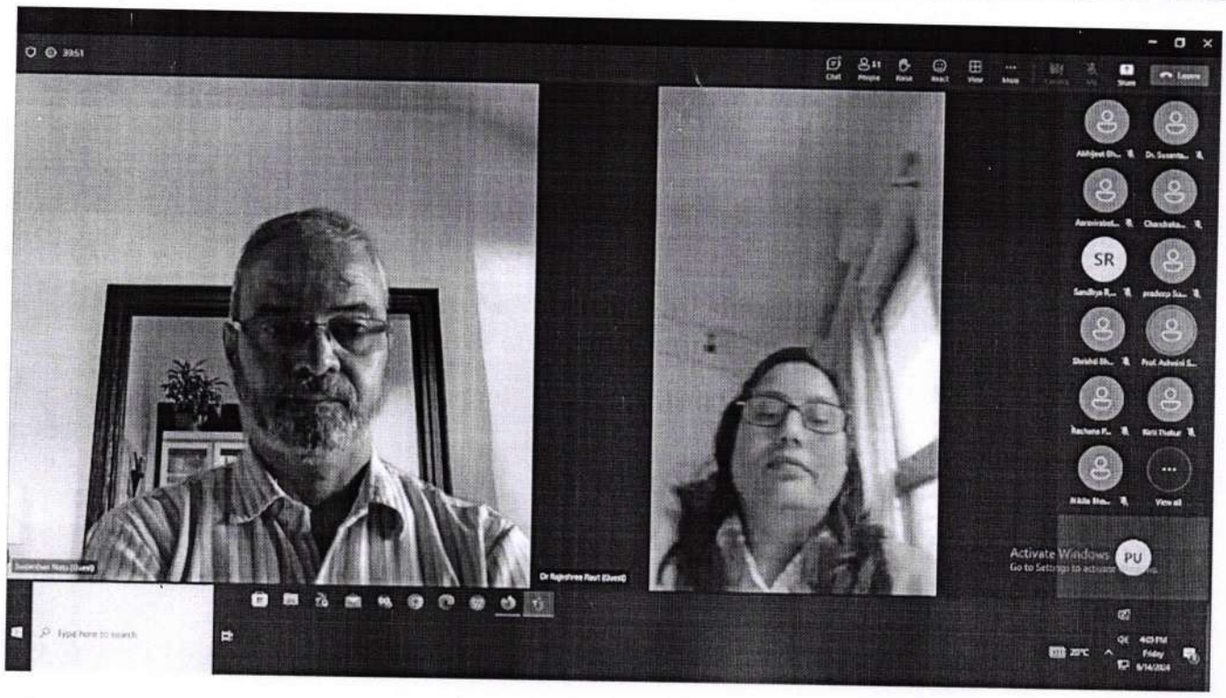

Date: 15/06/2024

Prof. Ashwini A Suryawanshi
Event Coordinator

Dr. Amar B. Deshmukh
Head of Department

Dr. Sunil B. Thakare
Principal

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Pune-9

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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EVENT REPORT

Name of Event: ISTE STTP ON "Emerging Trends & Opportunities in Cyber Security"

Date of Event: 27th May & 31st May 2024

Event Coordinators: Information Technology Department

Name of resource Person/ Speaker:

1. Dr. Vijay Wadhai (President, Cyber Security Corporation)
2. Mr. Kayomarz Anklesvaria (Subject matter Expert, Cyber Security Corporation)
3. Dr. Santosh A. Darade (COO, CRIEYA - MIT ADT University)
4. Dr. Shashank Joshi (Dean, BVDU)
5. Dr. Vina Lomte (HOD Comp, RMDCOE)
6. Mr. Mukesh Bhandarge (Managing Director, Excellent Cyber Forensics & Web Securities LLP)
7. Dr. Punam Raskar (Assistant Professor, SKNCOE)
8. Mr. Prasad Potdar (Cyber Crime Investigator, Parvati Police Station)

Brief Introduction of Resource Person/Speaker:

Dr. Vijay Wadhai Sir currently serves as the Principal and Professor at DY Patil College of Engineering, he has held this position since June 2018. His extensive career in academia spans numerous prestigious institutions where he has held significant leadership roles, including Principal and Professor. He has worked as Principal & Professor at Trinity Academy of Engineering (2 Years), Sinhgad Technical Education Society (3 Years), and MAEER's MITCOE (6 Years) in Kothrud, Pune. He has a rich background in both academic administration and strategic planning, Dr. Wadhai has been instrumental in guiding institutions towards achieving autonomy, accreditation to NBA and NAAC quality standards. Dr. Wadhai's academic expertise is equally impressive. He holds a PhD in Electronics and Telecommunication Engineering from Sant Gadge Baba Amravati University and an M.E. in Power Electronics from Gulbarga University. He has authored over 200 research papers, holds 21 patents, and has published 8 books/ chapters. Dr. Wadhai has also successfully guided 16 PhD candidates.

Anantrao Pawar College of Engineering & Research ★ Pune

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Mr. Kayomarz Anklesvaria (Subject matter expert, Cyber Security Corporation) Sir is a distinguished expert in Cyber Security, Cyber Forensics, and Cyber Law, with extensive experience in managing Cybercrime Investigations and Digital Evidence. Renowned for his proficiency in Incident Response, Data Recovery, Banking Frauds, and Mobile Forensics, Sir has led over 550 live cyber-crime cases. He holds certifications as a Cellebrite Certified Operator and Cellebrite Certified Physical Analyst, and has conducted training programs for law enforcement, government officials, and prosecutors, imparting invaluable knowledge on Cybercrime Investigation methodologies and Electronic Evidence Admissibility. With a track record of collaboration with governmental entities and contributions to training programs at esteemed institutions like the RBI, Sir is dedicated to advancing Cyber Security awareness and expertise.

Dr. Santosh A. Darade is currently the Chief Operating Officer at CRiEYA, MIT ADT University, where he has been serving since 2021. In this role, he expertly manages innovation projects from ideation to execution, ensuring effective resource allocation, timeline adherence, and stakeholder engagement. Dr. Darade is deeply committed to fostering a culture of research, innovation, and entrepreneurship among the faculty and students of MIT ADT University in Pune. Before his current role, Dr. Darade held several prestigious positions in academia. He was the Head of the Computer Engineering Department and Dean of Research & Development at Trinity Academy of Engineering, Pisoli, Pune. Prior to that, he was an Assistant Professor in the Computer Engineering Department at SITS Narhe, Pune, Dhole Patil College of Engineering, Wagholi, Pune, and as a Senior Lecturer in the Information Technology Department at G. H. Raisoni College of Engineering and Management, Wagholi, Pune. In addition to his academic roles, Dr. Darade has extensive industry involvement. He has been a Consultant and Trainer in Software Defined Networks at E-code Network India since 2017, an Author and Advisor at Tech Neo Publications, Pune, since 2019, and a former Director and Trainer Team Lead in Cyber Security at L & D Pvt. Ltd., Pune, since 2019. Dr. Darade has also contributed significantly to research projects and has received numerous grants. Notable projects include the "Digital Bharat 2024," the "Ultrasonic Height and Weight Scale BMI Machine with Customized App," and the "MIT Bus Buddy," among others.

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Dr. Shashank Joshi (Dean, Faculty of Engineering and Technology, Bharati Vidyapeeth) Sir an esteemed authority in the Software Engineering, Software Security, High-Performance Databases, IoT, Data Analytics, Computer Algorithms, and Data Engineering. With an illustrious career spanning over 33 years, Dr. Joshi has been an integral part of Bharati Vidyapeeth (Deemed to be University) Pune, where he has held various pivotal roles. His journey includes a significant tenure of 7+ years as Dean, 18 years as a Professor, 5 years as an Associate Professor, and 9 years as an Assistant Professor. Dr. Joshi's impact extends beyond the lecture halls, as he has guided and supervised numerous undergraduate, postgraduate, and doctoral students. His mentorship has resulted in the successful completion of 135 ME and 27 Ph.D. projects, with several more ongoing. As a respected figure in academia, Dr. Joshi actively contributes to the scholarly community through editorial roles and as a reviewer for prestigious international, national, and multi-disciplinary journals. His extensive research endeavors are evidenced by a remarkable publication record, including 95 international journal papers and 42 national journal papers, along with 87 international conference papers and 122 national conference papers. Dr. Shashank Joshi's enduring dedication to advancing knowledge and expertise in his fields stands as a testament to his profound impact on academia and research.

Dr. Vina Lomte, an esteemed scholar and innovator in data science and machine learning. Madam earned a PhD in Computer Science & Engineering from Swami Ramanand Teerth Marathwada University, Nanded. In addition to this prestigious qualification, she also holds an M.E. in Computer Engineering from Mumbai University. With this solid educational foundation, she has developed a profound expertise in cyber Security, making her a highly sought-after professional and speaker in the field. Dr. Lomte's recent accolades include the Best Innovation Award 2024 from Savitribai Phule Pune University and the International Education Achievement Award 2023 as Innovator of the Year by the Institute for Social Reforms Higher Education Charitable Trust, Uttar Pradesh. Her research excellence is highlighted by awards such as the ACM Best Work in Progress Paper Award for her study on "Profile Privacy and Communication Security in Social Network," and the Best Research Paper Award for her survey on "Automation Data Migration & Analysis Using Scripting." She also received the Best Paper Award for her work on "Text to Speech Synthesis Using Transfer Learning." Dr. Lomte serves as a Professional

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Ambassador for IFERP and has been honored with the I2OR International Teaching Excellence Awards 2023.

Mr. Mukesh Bhandarge is one of the youngest & aspiring Certified Computer Forensic Investigator, Digital Forensic Expert, Cyber Crime Investigator and Information Security Professional in India, having more than 8 years of experience. Sir is an impressive communicator with honed interpersonal, team building, presentation and analytic skills. Sir is regularly consulted by distinguished corporate identities, Maharashtra Police and other law enforcement agencies of the country from the past 8 years on Cyber Crime & Cyber Security issues. Sir has delivered seminars & workshops on various topics at various Schools, Colleges, Corporates, Universities and Banks. Sir has the ability to think out of the box and contribute ideas towards achieving operational excellence. Sir has trained Various University Professors, Maharashtra Police Officials, Various Board of Directors, Corporates & other Law Enforcement Agencies. As an aspiring entrepreneur, Sir has Business Management skills, Business analysis strategies, consideration of risk analysis and also expertise in crisis management. Currently, Sir is Co-founder and Managing Director of Excellent Cyber Forensics and Web Securities LLP.

Dr. Punam Raskar received B.E. degree in Electronics & Telecommunication Engineering from Savitribai Phule Pune University in 2011 and M.E. degree in Electronics and Telecommunication Engineering (VLSI & Embedded System Design) from Savitribai Phule Pune University in 2013. Ma'am is Gold Medalist in VLSI & ESD stream 2013 batch in SPPU. She has completed her Ph.D. in Department of Electronics and Telecommunication Engineering in 2022. Her current research interest belongs to Image/Video processing, Image/Video Forensics, Machine Learning & Deep Learning. She Secured Rank 5 at Savitribai Phule Pune University, Internal Quality Assurance Cell (IQAC) ASPIRE Young Researcher Mentorship Projects 2019. She got Best Paper Award at: "International Conference on Pervasive Computing (ICPC-2020)" for paper entitled: "Hybrid DCT Based Approach for Duplicate Region Detection" She also has Research paper publications international journal with SCI/Science Direct indexing. She has published - 02 Patents.

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Mr. Prasad Potdar (Cyber Crime Investigator, Parvati Police Station.) Sir has worked at cyber Police Station, Pune City from 2016 to 2022. Currently working at Parvati Police Station, Pune City from Dec 2022 to till date. Sir is a dedicated police officer with an impressive background in law enforcement, now specializing in cybercrime investigation. He combines extensive experience in traditional policing with a deep understanding of digital threats and advanced investigative techniques. With a commitment to protecting communities and organizations from cyber threats, Sir focuses on digital forensics, incident response, and the relentless pursuit of cybercriminals. His adaptability and eagerness to learn new technologies and strategies ensure that he remains at the forefront of cyber security. Sir has Handled 10000+ cases, and was rewarded by the Honorable Governor of Maharashtra for the fraud amount recovery of Rs.8 cr in the year 2018-19 Honored by Pune Mirror for Best Police Personal.

Target Audience with count: - 70

Brief Description of Event:

"Short Term Training Program on Emerging Trends and Opportunities in Cyber Security" Organized by information technology department Akhil Bhartiya Maratha Shikshan Parishad Anantrao Pawar College of engineering and research Pune, in association with Indian Society for Technical Education. The program was conducted from 27th May 2024 to 31th May 2024 in online mode.

The ISTE STTP on "Emerging Trends & Opportunities in Cyber Security" commenced with a ceremonial inauguration by Dr. Amit A. Kadam, the Head of the Information Technology Department, at 11:00 AM. Dr. Kadam provided a comprehensive overview of the five-day program, highlighting its significance in addressing contemporary challenges and exploring future prospects in the field of cyber security. Following the inaugural address, Prof. Kiran M. Ghate, Assistant Professor in the IT department, delivered a warm welcome speech, setting the tone for the informative sessions ahead.

Throughout the event, a total of 70 enthusiastic participants actively engaged in the diverse range of sessions conducted by esteemed speakers and subject matter experts. The sessions covered various aspects of cyber security, including cyber-attacks, AI integration, block chain technology, digital forensics, and emerging trends in the field.

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Day 1 (27th May 2024):

Session 1:

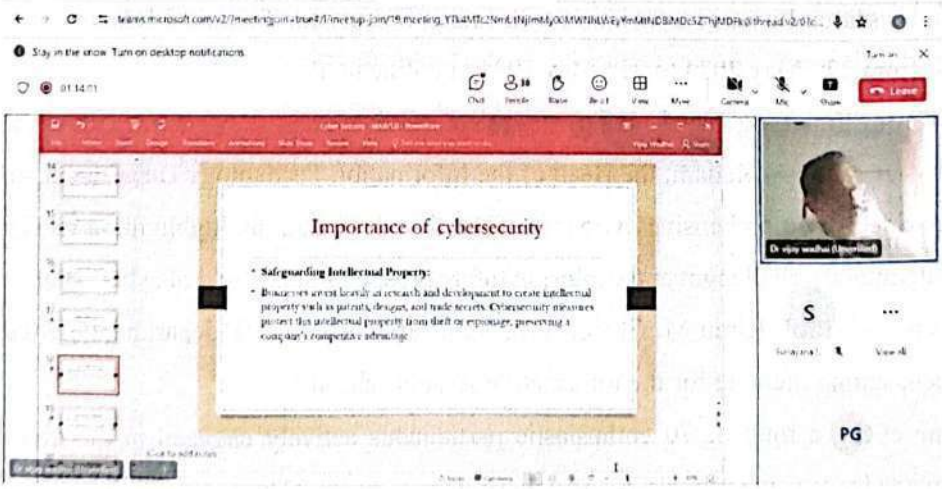
Time: 10:00 AM - 11:00 PM

Module Name: Inauguration & Introduction to Cyber Security, Recent Opportunities and Upcoming Plans

Speaker: Dr. Vijay Wadhai (President, Cyber Security Corporation)

Content:

Dr. Vijay Wadhai began the session by inaugurating the event and providing an overview of the current landscape of cyber security. He emphasized the importance of cyber security in the contemporary digital era, highlighting the escalating threats faced by both individuals and organizations. Dr. Wadhai discussed the latest advancements in the field, including new technologies and methodologies for enhancing cyber security. He also shared insights on future opportunities in cyber security, underscoring the need for continual learning and adaptation in response to evolving cyber threats. Dr. Wadhai concluded by outlining the upcoming plans for the Cyber Security Corporation, stressing their commitment to innovation and excellence in the field.



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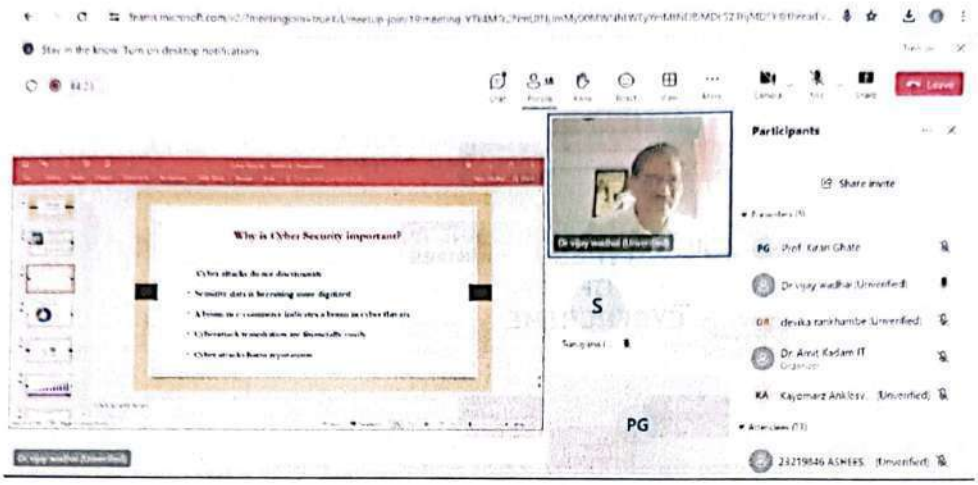

Session 2:

Time: 11:00 PM - 1:00 PM

Module Name: Cyber Security & AI

Speaker: Mr. Kayomarz Anklesvaria (Subject Matter Expert, Cyber Security Corporation)

Content:

Mr. Kayomarz Anklesvaria delved into the intersection of cyber security and artificial intelligence (AI). He elaborated on how AI is being harnessed to bolster cyber security measures, such as threat detection and automated response systems. Mr. Anklesvaria provided case studies showcasing AI-driven tools and techniques that have been effective in identifying and mitigating cyber threats. He also discussed the potential risks associated with AI in cyber security, including the possibility of AI being exploited by cybercriminals. The session concluded with a forward-looking discussion on future trends and innovations in AI for cyber security, emphasizing the need for ethical considerations and robust safeguards.

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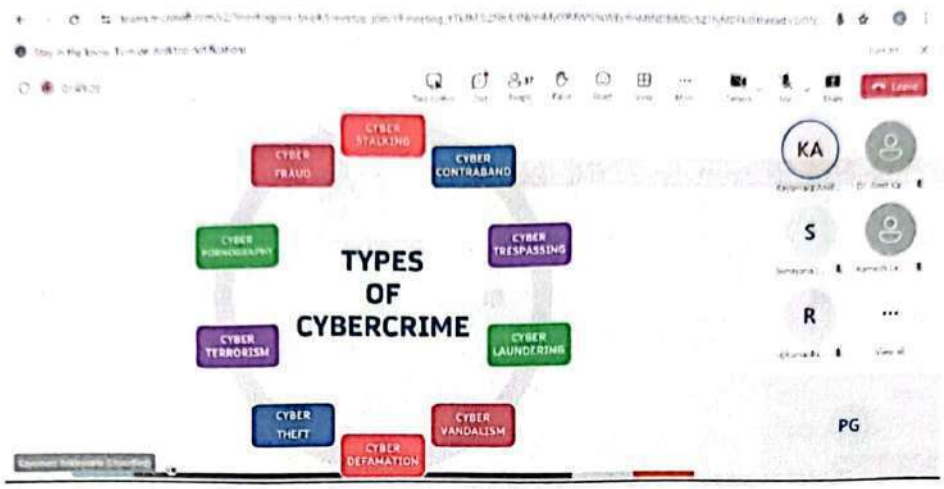

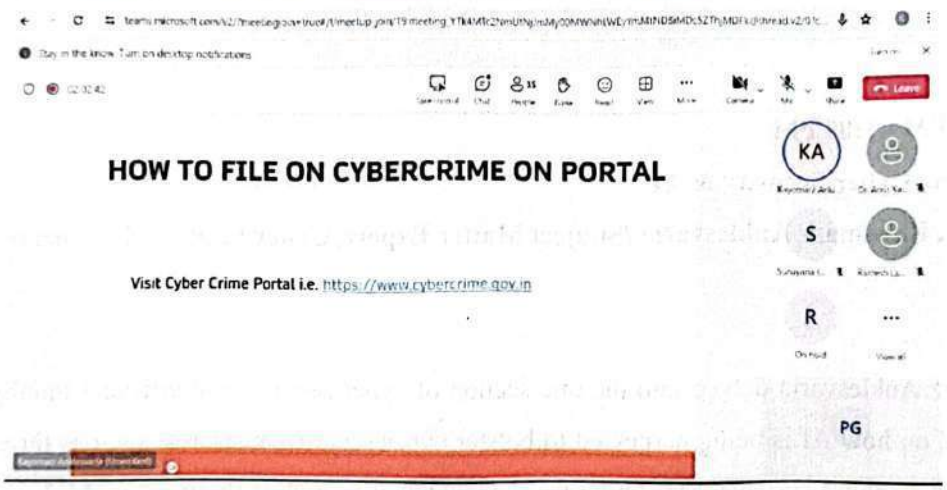

Session 3:

Time: 2:00 PM - 5:00 PM

Module Name: Cyber Attacks & IT Security Management in 2025

Speaker: Dr. Santosh A. Darade (COO, CRIEYA - MIT ADT University)

Content:

Dr. Santosh A. Darade focused on the evolving nature of cyber attacks and strategies for IT security management in the coming years. He provided a detailed analysis of recent high-profile cyber attacks, dissecting the techniques used by attackers and the vulnerabilities exploited. Dr. Darade emphasized the

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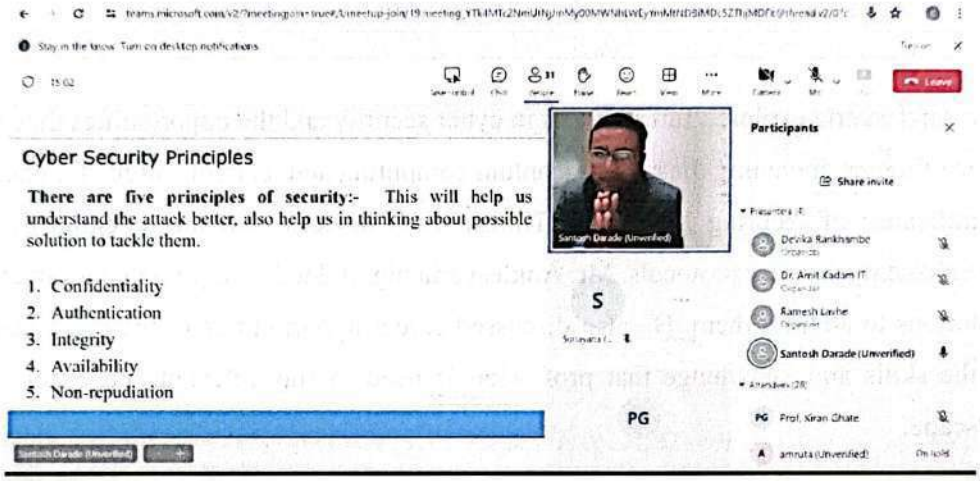
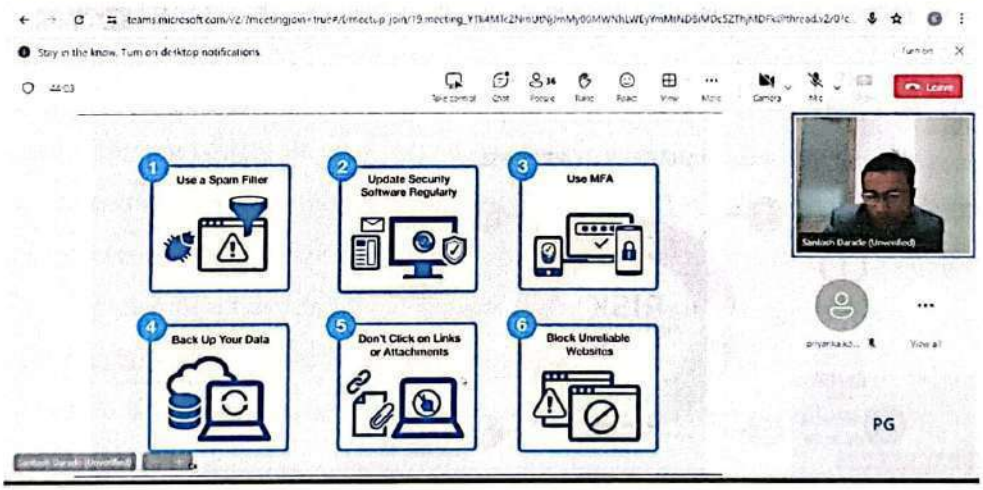
importance of proactive security measures and the implementation of comprehensive security frameworks. He discussed emerging technologies and best practices expected to shape IT security management in 2025, such as zero-trust architecture, advanced threat intelligence, and AI-driven security solutions. Dr. Darade also highlighted the importance of continuous training and awareness programs to keep security teams prepared for future challenges.





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Day 2 (28th May 2024):

Session 1:

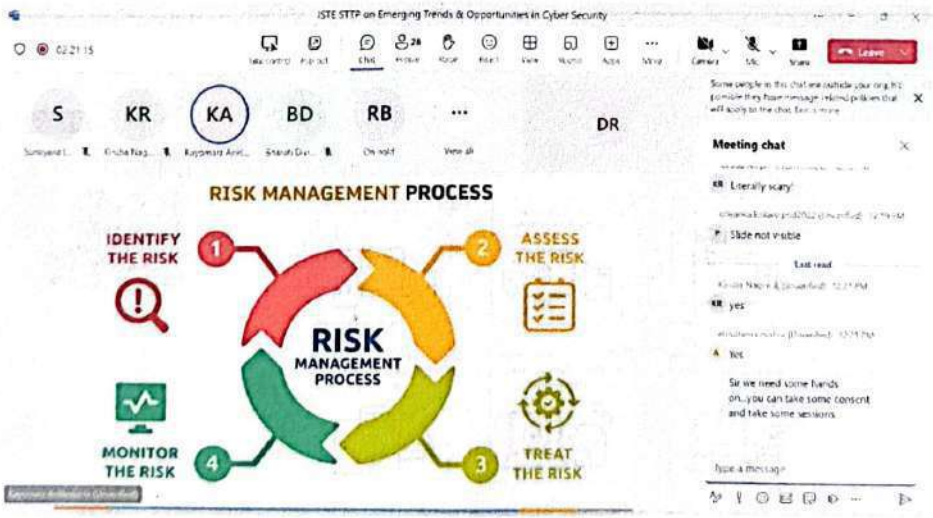
Time: 10:00 AM - 1:00 PM

Module Name: Future Trends & Opportunities in Cyber Security

Speaker: Mr. Kayomarz Anklesvaria (Subject Matter Expert, Cyber Security Corporation)

Content:

Mr. Kayomarz Anklesvaria explored future trends in cyber security and the opportunities they present. He covered a range of topics, including the rise of quantum computing and its implications for encryption, the increasing significance of securing Internet of Things (IoT) devices, and the potential of blockchain technology in enhancing security protocols. Mr. Anklesvaria highlighted emerging threats and the need for innovative solutions to address them. He also discussed career opportunities in the cyber security field, emphasizing the skills and knowledge that professionals need to stay relevant and excel in a rapidly evolving landscape.



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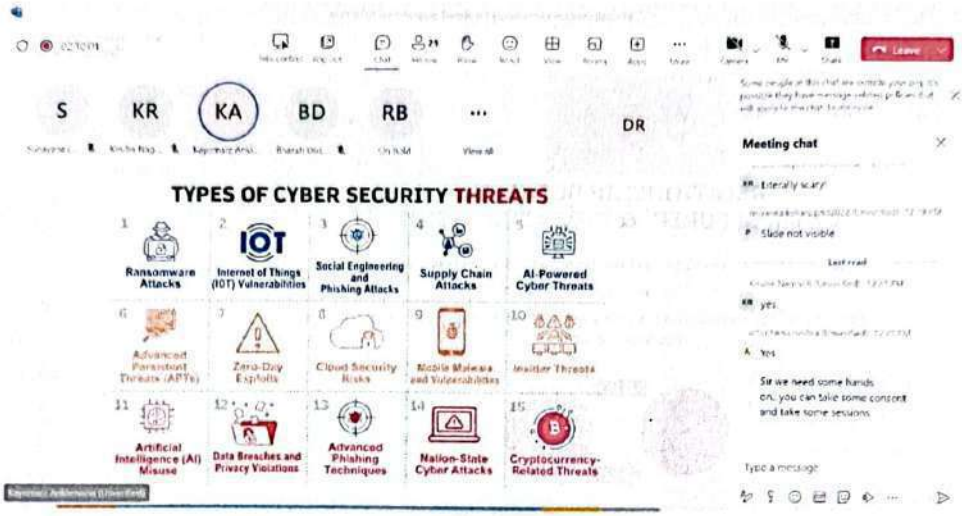

Session 2:

Time: 2:00 PM - 5:00 PM

Module Name: Cyber Forensics

Speaker: Mr. Kayomarz Anklesvaria (Subject Matter Expert, Cyber Security Corporation)

Content:

In this session, Mr. Kayomarz Anklesvaria provided a comprehensive overview of cyber forensics, detailing the processes and tools used in investigating cyber crimes. He explained the various steps involved in the collection, analysis, and preservation of digital evidence. Mr. Anklesvaria shared real-life case studies of cybercrime investigations, illustrating the application of forensic techniques to uncover critical evidence. He also discussed the legal aspects of cyber forensics, emphasizing the importance of following proper procedures to ensure the admissibility of digital evidence in court. The session provided valuable insights into the challenges and complexities of cyber forensics, underscoring its vital role in modern law enforcement.

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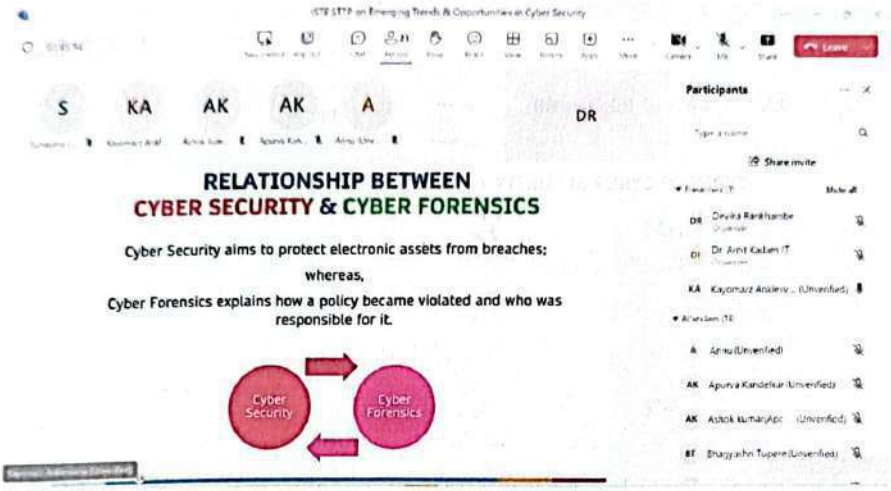

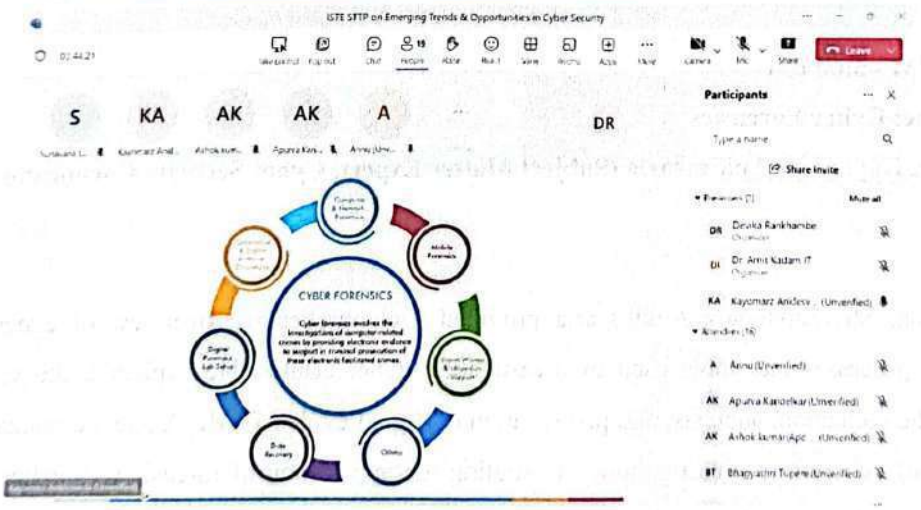

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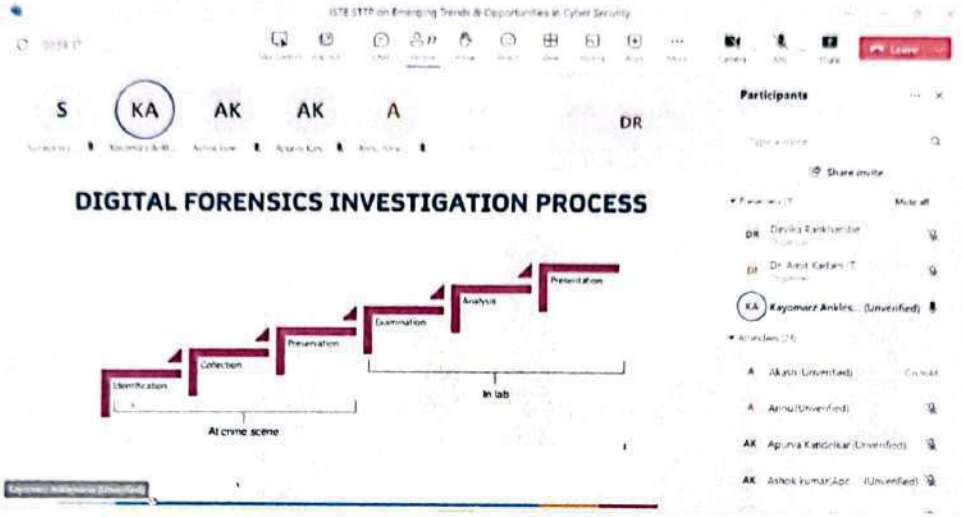

Day 3 (29th May 2024):

Session 1:

Time: 10:00 AM - 1:00 PM

Module Name: Beyond Blockchain for Cryptocurrencies via Quantum Cryptography

Speaker: Dr. Shashank Joshi (Dean, BVDU)

Content:

Dr. Shashank Joshi explored advancements beyond traditional blockchain technology, focusing on the application of quantum cryptography for securing cryptocurrencies. He began by explaining the fundamentals of quantum cryptography and how it differs from classical cryptographic methods. Dr. Joshi discussed the potential benefits of quantum cryptography in enhancing the security and scalability of cryptocurrencies, particularly in terms of protecting against quantum computing threats. He also addressed the challenges associated with implementing quantum cryptographic solutions and the ongoing research aimed at overcoming these obstacles. The session provided a glimpse into the future of secure digital transactions and the evolving landscape of cryptographic technologies.

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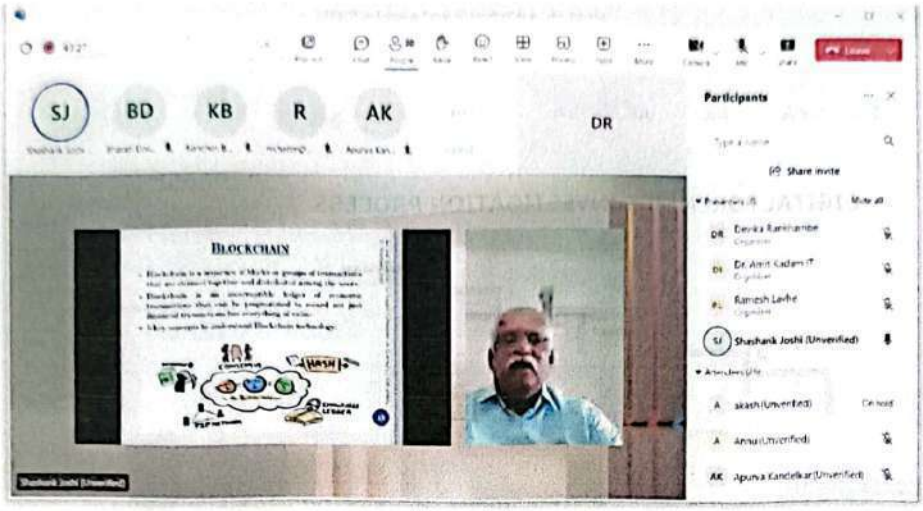

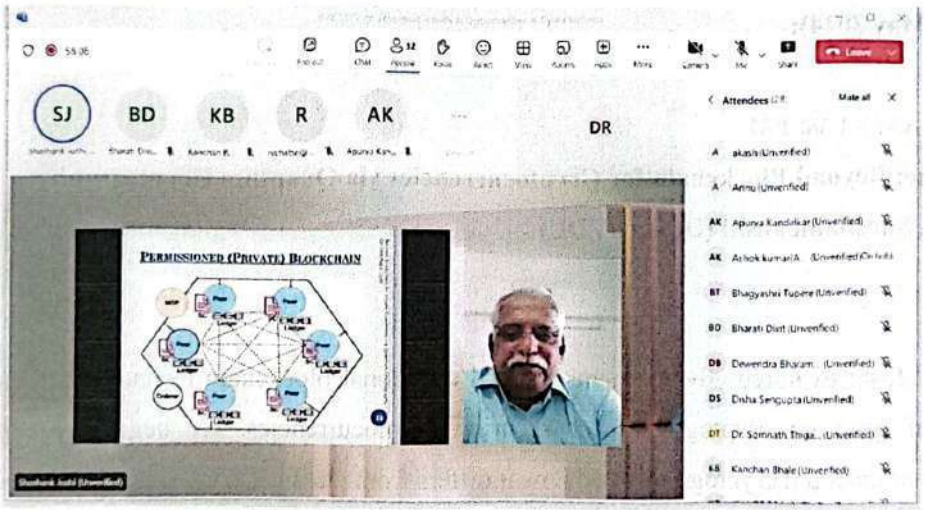

Session 2:

Time: 2:00 PM - 5:00 PM

Module Name: Threat Intelligence & Information Sharing/Zero Trust Architecture

Speaker: Dr. Vina Lomte (HOD Comp, RMDCOE)

Content:

Dr. Vina Lomte covered critical aspects of threat intelligence and the concept of zero trust architecture. She explained how threat intelligence enables organizations to stay ahead of potential threats by providing actionable insights into cyber threat actors and their tactics, techniques, and procedures. Dr. Lomte also

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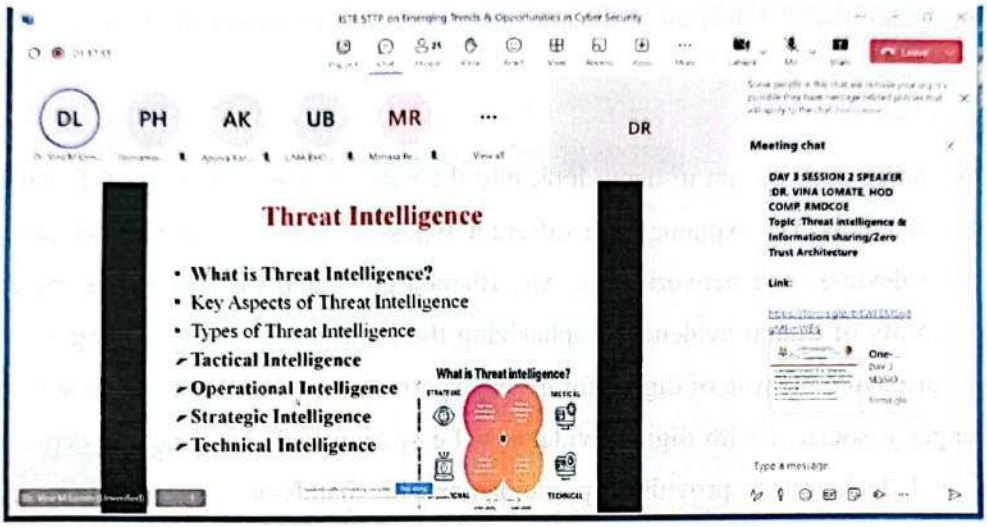
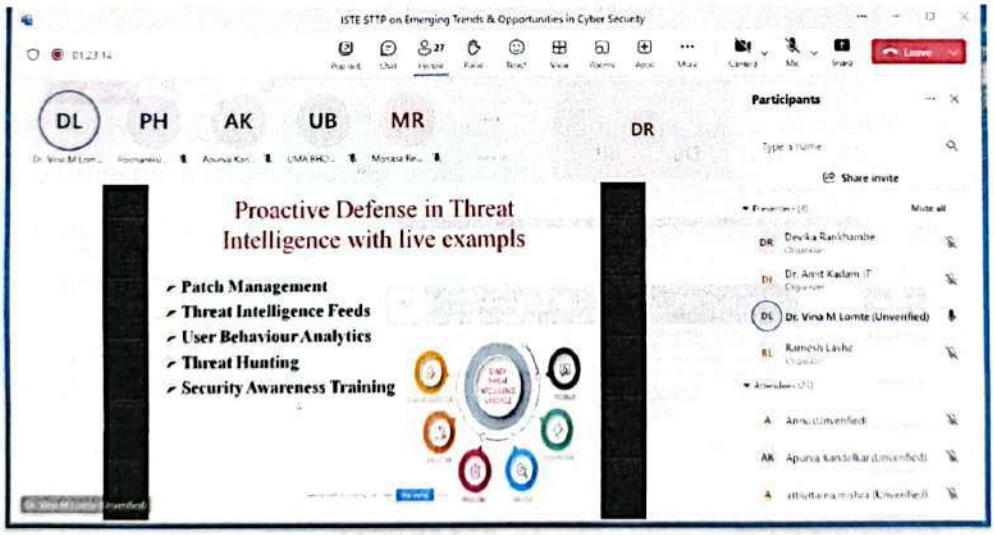
introduced the principles of zero trust architecture, which involves continuously verifying and validating every request for access to resources, regardless of the source. She highlighted the benefits of adopting a zero trust approach, including enhanced security posture and reduced risk of data breaches. Dr. Lomte shared best practices for implementing zero trust architecture, drawing on real-world examples and case studies.





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Day 4 (30th May 2024):

Session 1:

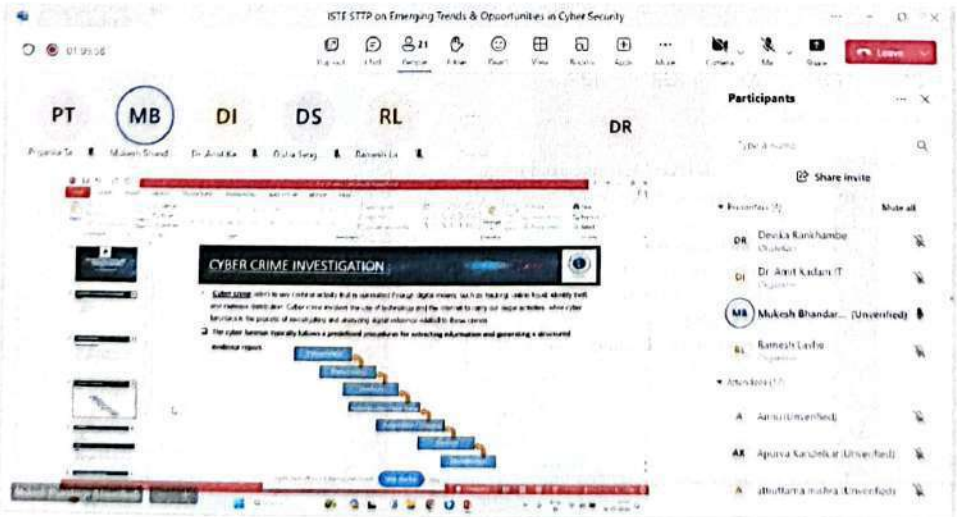
Time: 10:00 AM - 1:00 PM

Module Name: Digital Evidence & Cyber Crime Investigation

Speaker: Mr. Mukesh Bhandarge (Managing Director, Excellent Cyber Forensics & Web Securities LLP)

Content:

Mr. Mukesh Bhandarge provided an in-depth look into the collection and analysis of digital evidence in cyber crime investigations. He explained the different types of digital evidence, including data from computers, mobile devices, and network logs. Mr. Bhandarge shared methodologies for ensuring the integrity and reliability of digital evidence, emphasizing the importance of maintaining a clear chain of custody. He also discussed the role of digital forensics experts in assisting law enforcement agencies and the legal challenges associated with digital evidence. The session included practical demonstrations of forensic tools and techniques, providing participants with hands-on experience in cyber crime investigation.



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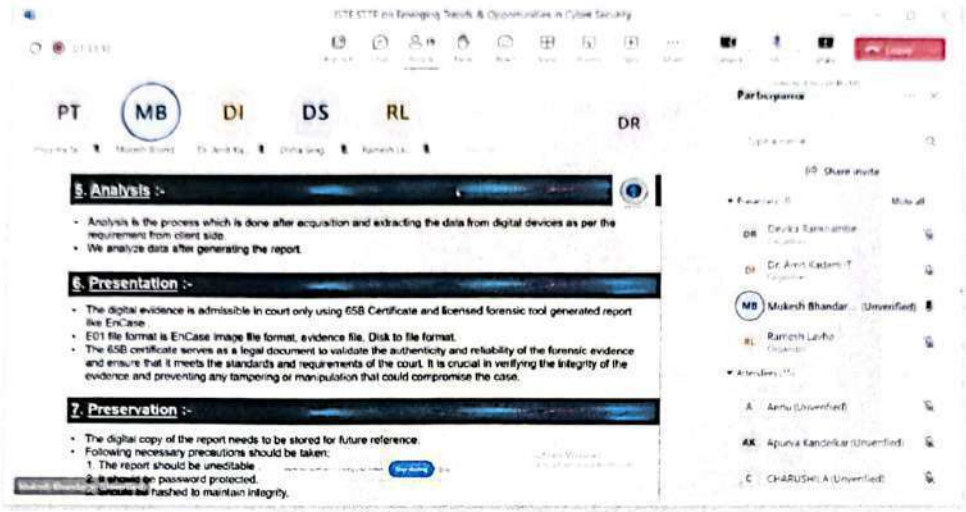

Session 2:

Time: 2:00 PM - 5:00 PM

Module Name: Cyber Security Case Studies

Speaker: Dr. Vina Lomte (HOD Comp, RMDCOE)

Content:

Dr. Vina Lomte presented several case studies that illustrated the practical application of cyber security principles. She analyzed different cyber incidents, detailing the methods used by attackers and the countermeasures employed to mitigate the threats. The case studies covered various sectors, including finance, healthcare, and critical infrastructure, highlighting the unique challenges faced by each. Dr. Lomte emphasized the lessons learned from these incidents and how they can be applied to improve cyber security practices. The session provided valuable insights into the real-world complexities of cyber security and the importance of a proactive and adaptive approach.

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Day 5 (31st May 2024):

Session 1:

Time: 10:00 AM - 1:00 PM

Module Name: Image & Video Forensics

Speaker: Dr. Punam Raskar (Assistant Professor, SKNCOE)

Content:

Dr. Punam Raskar focused on the specialized field of image and video forensics. She explained the techniques used to analyze digital images and videos to detect alterations, identify sources, and authenticate content. Dr. Raskar discussed various forensic tools and software used in the field, along with their applications in criminal investigations and legal proceedings. She presented case studies that demonstrated the role of image and video forensics in solving cyber crimes, such as detecting manipulated media and tracking the origins of illicit content. The session provided a comprehensive understanding of the capabilities and limitations of current forensic technologies in dealing with digital media.

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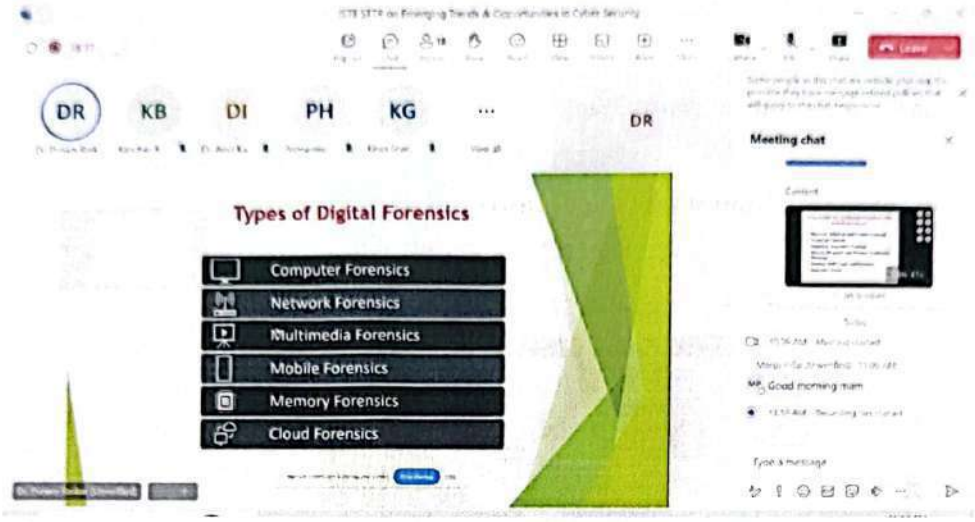

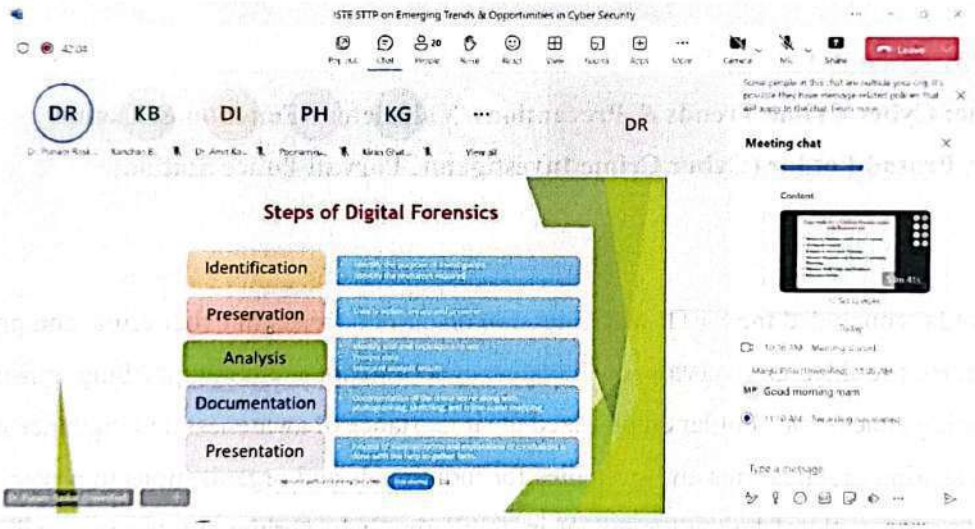

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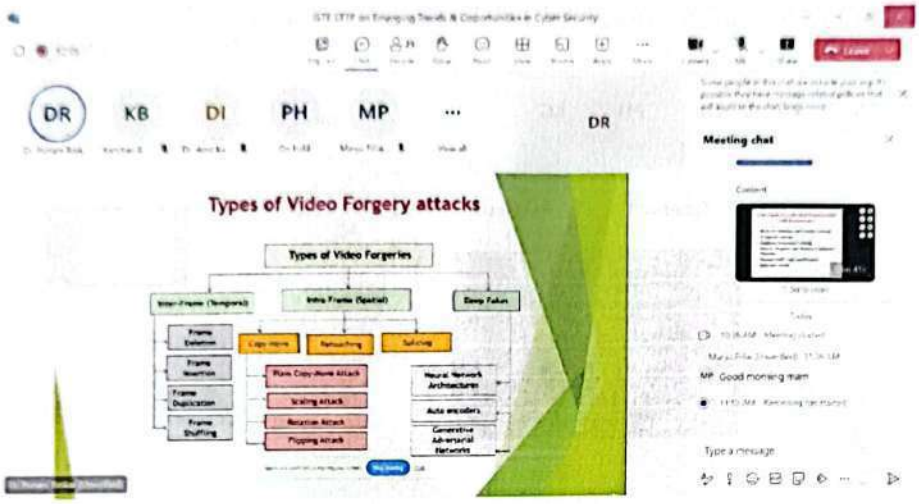

Session 2:

Time: 2:00 PM - 5:00 PM

Module Name: Cyber Crime Trends & Precautions. Valedictory Function & Exam

Speaker: Mr. Prasad Potdar (Cyber Crime Investigator, Parvati Police Station)

Content:

Mr. Prasad Potdar concluded the STTP with a session on current trends in cyber crime and precautions to mitigate them. He provided an overview of the latest cyber threats, including phishing, ransomware, and social engineering attacks. Mr. Potdar emphasized the importance of awareness and vigilance in preventing cyber crimes, sharing practical tips and strategies for individuals and organizations to protect themselves. He also discussed the role of law enforcement in combating cyber crime and the importance of public-private partnerships in enhancing cyber security. The session ended with a valedictory function where Prof. Kiran M. Ghate and other dignitaries addressed the attendees. An exam was conducted to assess the participants' understanding of the topics covered during the STTP. As the STTP drew to a close, Prof. Prajakta G. Khaire, Assistant Professor in the IT department, expressed gratitude on behalf of the organizing committee and extended heartfelt thanks to all participants, speakers, and support staff for their contributions to the success of the program. The event concluded with a group photo session, capturing the memorable moments shared by all attendees.

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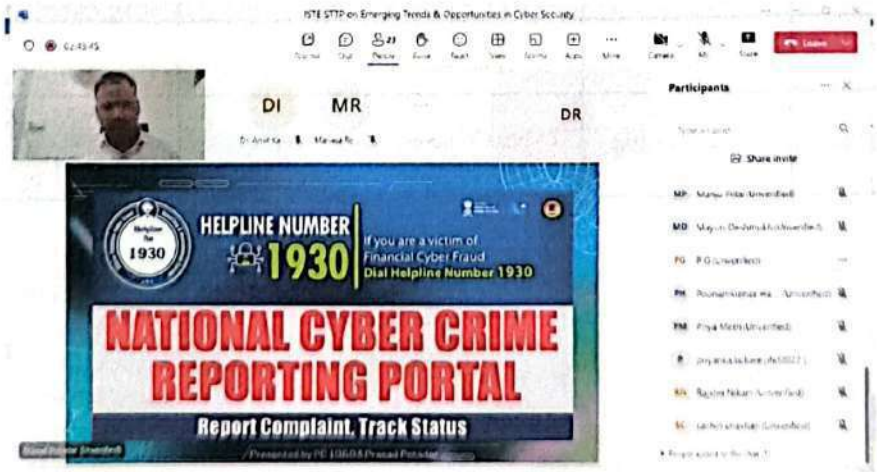
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

EVENT REPORT



Anantrao Pawar College of Engineering & Research
Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** | **DoI: 02/01/2023**	

EVENT REPORT

Program Schedule:

Day	Date	Time	Module Name	Name of the Speaker
Day 1	27/05/2024	10 AM TO 11 PM	Inauguration & Introduction to Cyber Security, Recent Opportunities and Upcoming Plans	Dr. Vijay Wadhai (President, Cyber Security Corporation),
		11 PM TO 1 PM	Cyber Security & AI	Mr. Kayomarz Anklesvaria (Subject matter Expert, Cyber Security Corporation)
		2 PM TO 5 PM	Cyber Attacks & IT Security management in 2025	Dr. Santosh A. Darade (COO, CRIEYA - MIT ADT University)
Day 2	28/05/2024	10 AM TO 1 PM	Future trends & opportunities in Cyber Security	Mr. Kayomarz Anklesvaria (Subject Matter Expert, Cyber SecurityCorporation)
		2 PM TO 5 PM	Cyber Forensics	Mr. Kayomarz Anklesvaria (Subject Matter Expert, Cyber SecurityCorporation)
Day 3	29/05/2024	10 AM TO 1 PM	Beyond Block chain for Crypto currencies via Quantum Cryptography	Dr. Joshi Shashank (Dean,BVDU)
		2 PM TO 5 PM	Threat intelligence & Information sharing/Zero Trust Architecture	Dr. Vina Lomte (HOD Comp, RMDCOE)
Day 4	30/05/2024	10 AM TO 1 PM	Digital Evidence & Cyber Crime investigation	Mr. Mukesh Bhandarge (Managing Director, Excellent Cyber Forensics & Web Securities LLP)
		2 PM TO 5 PM	Cyber Security Case Studies	Dr. Vina Lomate (HOD Comp, RMDCOE)
Day 5	31/05/2024	10 AM TO 1 PM	Image & Video forensics	Dr. Punam Raskar (Assistant Professor, SKNCOE)
	31/05/2024	2 PM TO 5 PM	Cyber Crime Trends & Precautions. Valedictory Function & Exam	Mr. Prasad Potdar (Cyber Crime Investigator, Parvati Police Station)

Anantrao Pawar College of Engineering & Research ★ Pune

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021 **Revision: 00** / **DoI: 02/01/2023**	
	EVENT REPORT	

Photos of Event:

Date: 04/06/2024

Prof. Devika P. Rankhambe	**Prof. Sayali R. Kokane**	**Dr. Amit A. Kadam**	**Dr. Sunil B. Thakare**
ISTE STTP Coordinator	ISTE Head	HOD IT	Principal

Anantrao Pawar College of Engineering & Research ★ Pune

AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S
ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH
Sr. No. 103, Parvati, Pune - 411 009.
Tel.: 020-24218901/8959/3929
Web.: http://www.abmspcoerpune.org • **Email** : office@abmspcoerpune.org

Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University
DTE CODE :- EN 6794, AISHE CODE :- C-41484
Savitribai Phule Pune University id : CEGP019670
Accredited By NAAC With 'A' Grade

Ref :- APCOER/OFFICE/015/2024

To,

Dr.S.M. Ali,

Executive Secretary,

New Delhi, India.

Reference letter: - **ISTE/Proceedings/STTP-SF-MAH-008/2024-25 March 28, 2024**

Subject: - Cover letter to submit the document of One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) **6th May 2024 to 10th May 2024".**

Respected sir/ madam,

As per the notification receive from ISTE to our proposal on Self-Financing Basis Short Term Training Program on Recent Advancement And Evolution in Mechanical Engineering was accepted and sanctioned letter received for dates 6th May to 10th May 2024. The STTP was successfully completed within schedule time.

Following are the list of Document to be submit after successful completion of STTP.

Sr. No.	Particulars/ Documents
1	Sanctioned Letter
2	Leaflet of One Week Short Term Training
3	List of Participants with ISTE LM ID
4	Payment Receipt of Participant's Certification Fees
5	Marks of the Participants Score in test. (Last Day of Workshop)
6	Daily Reports. (Photo Copy)
7	Invitation Letters to the Expert/Guest (Photo Copy)
8	Thanks Letter Experts/ Guest (Photo Copy)

Thanking You

Date: 18/06/2024

for Principal 14/6/2024

Anantrao Pawar College of Engineering & Research ★ Pune

Principal
Anantrao Pawar College of Engineering & Research, Parvati, Pune - 9

A.B.M.S.P.'s

Anantrao Pawar College of Engineering and Research

"SF - One Week Short-Term Training Programme (STTP) On Recent Advancement and Evolution in Mechanical Engineering in association with ISTE" on 6th to 10th May 2024.

Organized by

Department of Mechanical Engineering

Academic Year 2023-24

भारतीय तकनीकी शिक्षा संस्था
INDIAN SOCIETY FOR TECHNICAL EDUCATION
(Under the Societies' Registration Act XXI of 1860)

Dr. S.M. Ali
Executive Secretary

ISTE/Proceedings/STTP-SF-MAH-008/2024-25 March 28, 2024

Proceedings of Executive Secretary, ISTE

Sub. : Sanction to conduct full time Short-term Training Programme on Self-financing basis for the financial year 2024-2025.

Sanction is hereby accorded to the following institution for the conduct of the SF-STTP/FDP programme indicated below:

Name of Institution	:	Anantrao Pawar College of Engg. & Research Pune – 411 009
Topic	:	Recent Advancement & Evolution in Mechanical Engineering
Name & Address of Coordinators	:	Dr. D.P. Kamble, Associate Prof. / Prof. S.V. Raut, Asst. Prof.
Duration	:	One Week (Minimum 05 Working Days)
Proposed dates	:	08-04-2024 to 12-04-2024

Terms and Conditions

The institution offering the Programmes should be approved by AICTE and must be Institutional Member of ISTE. Institutions having ISTE Faculty Chapter and Students Chapter shall be preferred. There will be no financial commitment on the part of ISTE on account of this programme. The fee of one **proposal is Rs. 1180/- (Incl. 18% GST)** paid by NEFT/RTGS along with proposal in the following ISTE Account **(Name of Account: ISTE Membership Fee, Account No: 6707247614 Bank: Indian Bank IFSC Code: IDIB000M089 Branch: Mehrauli Road New Delhi).**

1 This will be a Self Financing program of the duration of 1 week/2 weeks/4 weeks.

2 The registration fee of the participants may be fixed by the host institution.

3 ISTE Life membership is necessary for participants to attend SF programmes. However, If any participant is not having life membership he/she may take the membership of ISTE before the commencement of the programme via web portal **https://membership.isteonline.in**

--/-2

4 The final report as mentioned in these guidelines is to be submitted to ISTE within 15 days after completion of the Programme.

5 The institute should ensure that the Resource Persons should be well known personalities having thorough knowledge and he/she should be from an Institute or Industry.

6 **e-Certificate to ISTE Life Members will be issued by ISTE from this office. Operational and processing fee of Rs. 100 +18% GST (Total Rs. 118/-) will be charged per participant. Institute conducting the program will collect the fee from participants and will send it to ISTE by NEFT/RTGS with list of participants with their ISTE Life Membership Number. Institute conducting program will not issue Certificates with ISTE logo to Participants. Course coordinator is requested to ensure the same and attach payment proof or UTR number.**

7 **At least one test at the end is to be conducted to judge the performance of participants. Institute can conduct more test, if they desire. Attendance and successful completion of Test conducted is mandatory to receive certification by ISTE. Co Ordinator should ensure this while submitting list of participants to ISTE.**

8 **The Digital e-certificates to eligible participants will be sent by ISTE Delhi through organizing Institute.** The certificate contains the ISTE logo at the top. The digitally signed e-certificates will bear the Signatures of Executive Secretary, ISTE.

9 Covid Guidelines issued from time to time are to be followed strictly as notified by the Govt. during the Programme.

Executive Secretary

To,

The Principal
Anantrao Pawar College of Engineering & Research
Parvati, Pune – 411 009
State Maharashtra

Copy to:

Dr. D.P. Kamble
Coordinator
Anantrao Pawar College of Engineering & Research
Parvati, Pune – 411 009
State Maharashtra

Registration Form

Name: .....

Designation:.....

Name of Institute: .....

.....

Mobile No:.....

Email Id:.....

Member of ISTE: Yes/No

ISTE Membership Number:.....

Applicant's Sign **HOD / Principal Sign**

Registration Link

https://forms.gle/SNbKiuSuY1xBEXHz7

Scan to Pay
Registration Fees:
Rs. 250/-

Note: Participants will recieve certificates only after attending all the sessions and scoring 60% in the test. Feedback form will be circulated at the end of each session of STTP.

Keynote Speakers

Dr. N. K. Khedkar
Deputy Director,
Symboisis Institute of Technology, Pune.

Dr. A. G. Kamble
Associate Professor,
Amity University, Mumbai

Dr. K.H. Munde
Principal, K. E. Society's,
Rajarambapu Institute of Technology
Polytechnic, Pune.

Dr. S. K. Patil
Associate Professor,
College of Engineering & Technology, Akola.

Dr.P. R. Chitragar
Professor & Dean (Alumni Affairs),
Vidya Pratishthan's Kamal Nayan Bajaj Institute of Engineering & Technology, Baramati.

Topics for STTP

1. Recent Trends & Scopes in Heat Ventilation and Air Conditioning System.
2. New Develoments in 3D Printing Technology.
3. Emerging Age of Renewable Energy.
4. Opporunities in Innovation & Entrepreunership in Industries and Global Market.
5. Recent Development & Application in Robotics & Automation.

Communication:

mechanical@abmspcoerpune.org
Prof. S.S. Ahirrao: 7058813889
Prof. S. H. Darekar: 7720043993
www.abmspcoerpune.org

ONLINE
SHORT TERM TRAINING PROGRAMM
on
Recent Advancement and Evolution in Mechanical Engineering
on 6th May 2024 to 10th May 2024

Organized by
Akhil Bharatiya Maratha Shikshan Parishad's

Anantrao Pawar College of Engineering & Research,

Parvati, Pune 411 009

Accredited by NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL ISO CERTIFIED

In Association with
Indian Society for Technical Education

About the APCOER : ABMSP Anantrao Pawar College of Engineering & Research (APCOER) Parvati, Pune is established in 2012 with 6 undergraduate, 2 post graduate and 4 B.Voc courses affiliated to Savitribai Phule Pune University. Institute is committed to impart quality technical education as per the needs & acceptation of all the stakeholders. APCOER, Pune is under the mentorship of College of Engineering Pune (CoEP). National & Internationally recognized research are involved in the Innovation club of Institute guading the faculties & students for product development, startups & to become entrepreneur through business incubation centre. APCOER, Pune is committed to comprehensive development of students through quality technical education.

Our Vision: Committed to comprehensive development of students through quality technical education.

Our Mission: 1) To Provide state of art infrastructure that shall create ambience to encourage novel ideas, research activities and consultancy services. 2) To inspire students for creativity & entrepreneurship. 3) To create future technocrats with intelligence, technical skills & good ethical moral values so as to serve needs of society & industries. 4) To provide healthy Teaching-Learning environment that will cultivate contemporary research activities, innovations & inventions. 5) To develop center of excellence in technical education.

A'Nil Bharatiya Maratha Shikshan Parishad's

Anantrao Pawar College of Engineering & Research, Parvati, Pune 411 009

Advisory Committee

Dr. Pratapsinh K. Desai
President,
Indian Society of Technical Education, New Delhi

Prof. Yashwant A. Kolekar
ISTE Executive Council Member, Pune.

Prof. Shri R. Baskar
Vice - President, ISTE

Dr. Gujjala Venkatasubbaiah
Vice - President, ISTE

Prof. Sharanappa G. Malashetty
Treasurer, ISTE

Innovation Club Members

Dr. N. B. Pasalkar
Ex. Director of Technical Education, Gov. of Maharashtra.
Dr. S. S. Mantha
Ex. Chairman, AICTE
Mr. Ashok Ranade
Project Manager - Softline, Inc. San Jose, California
Dr. A. R. Saraf
Trustee - Science & Technology Park, S. P. Pune University
Mr. A. M. Marathe
Industry Leaders for Global Business Solution Centre E&U, IBM, Pune
Mr. M. B. Vaidya
Director, Precision Power Products Private Ltd., Pune
Dr. Shaila Subbaraman
Ex-Dean Academics, WCE, Sangli
Dr. P. W. Kelkar
Director, Brightstar Electronics Pvt. Ltd., Pune
Mr. S. V. Natu
Managing Director Nital Computer System Pvt. Ltd., Pune
Dr. Sharadchandra Lohokare
CEO, JyoSH AI Soluions Pvt. Ltd.
Mr. D. N. Modak
Ex. Chief Engineer (Civil) Hydro Projects, Pune & Chief Engineer (Electrical) Hydro Projects, Mumbai.
Mr. Ramesh Adavi
Expert Consultant in Data Science
Dr. N. S. Raman.
Ex. Director, CSIR-NEERI, Nagpur
Mr. Sunil Desai
Maven Systems Pvt. Ltd.
Dr. Hanumant Dhumal

Chief Patron

Hon. Dr. Sharadchandra G. Pawar
Former Minister of Ariculture, Govt. of India
President, A.B.M.S.Parishad, Parvati, Pune.

Patron

Hon. Shri. Ajit A. Pawar
Deputy Minister, Maharashtra State
Vice-President, A.B.M.S.Parishad, Parvati, Pune.

Hon. Shri. Shashikant S. Sutar
Vice-President. A.B.M.S.Parishad, Parvati, Pune.

Hon. Mrs. Pramilatai B. Gaikwad
General Secretary, A.B.M.S.Parishad, Parvati, Pune.

Hon. Adv. Sandeep S. Kadam
Hon. Adv. Bhagwanrao Salunkhe
Joint Secretary, A.B.M.S.Parishad, Parvati, Pune.

Hon. Shri. Vijaysinh Yashwantrao Jedhe
Treasurer, A.B.M.S.Parishad, Parvati, Pune.

STTP Convener

Dr. S. B. Thakare
Principal,
Anantrao Pawar College of Engineering & Research.

STTP Co-convener

Dr. D. P. Kamble
Associate Professor & Head Mechanical Engg. Dept.

STTP Co-ordinator

Prof. S. V. Raut
Assissant Professor, Mechanical Engg. Dept.

IQAC Co-ordinator.

Prof. G. E. Kondhalkar
Mechanical Engg. Dept.

About STTP:

The One week Short Term Training Programme on Recent Advancement and Evolution in Mechanical Engineering , in association with the Indian Society for Technical Education (ISTE), is a comprehensive learning experience designed to equip participants with the latest knowledge and skills in the field of Mechanical Engineering. This program offers a unique opportunity for mechanical engineering professionals and enthusiasts to stay updated on the rapidly evolving advancements in the Mechanical and Interdisciplinary industry. Through a combination of series of lecture and expert sessions , participants will gain insights into cutting-edge technologies such as additive manufacturing, robotics & automation, heat ventilation & air conditioning and innovation & entrepreneurship in industries and global market. The STTP fosters an environment of collaborative learning, networking and knowledge exchange, enabling participants to enhance their expertise and contribute to the growth and innovation of mechanical engineering.

Organizing Committee

Dr. P. J. Awasare
Prof. C. E. Kolambe
Prof. N. A. Jadhav
Prof. A. R. Pawar
Prof. A. R. Wankhade
Prof. G. P. Kavhekar
Prof. S. S. Ahirrao
Prof. M. P. Kumbhare
Prof. V. K. Mehtre
Prof. S. H. Darekar

One Week Short Term Training Program STTP (Online mode) on

Recent Advancement and Evaluation in Mechanical Engineering" association with ISTE.

SR. NO.	ISTE Mem. ID	NAME OF THE PARTICIPANTS	CONTACT NO.	E-Mail Id
1	17174	DR.SANJAY S PARASKAR	9960590199	paraskar1963@gmail.com
2	LM71747	GADADHE SHIVAJI SITARAM	09096618989	shivaji.gadadhe@aissmsioit.org
3	LM 130256	ASHISH MAHENDRA DHARME	8149969471	ashishdharme@gmail.com
4	LM79329	DR.EKTA S MEHTA	8087983288	ekta.mehta@zealeducation.com
5	LM26383	DR.MANMOHAN BHOOMKAR	9421051883	hodmech@pvgcoet.ac.in
6	LM33830	DR. NARESH G. JAISWAL	9422364858	ngj_mech@pvgcoet.ac.in
7	LM26382	DR. RAVINDRA LAXMIKANT EDLABADKAR	9890478067	rle_mech@pvgcoet.ac.in
8	LM 98404	MANISH RAMDAS DHAWADE	9923310654	manishibsscoe@gmail.com
9	LM132562	SANDEEP V RAUT	8788323694	svrapcoer@gmail.com
10	LM132558	ASHISH RAJU PAWAR	8208721930	ashish.pawar@abmspcoerpune.org
11	LMISTE 85145	DR. GAYATRI SANJEEVKUMAR KAMBLE	8149075228	gayatri.kamble@abmspcoerpune.org
12	LM 132559	PROF.MEHTRE VIKASKUMAR KISHANRAO	8217479650	Vikaskumar.mehtre@abmspcoerpune.org
13	132572	ADITYA RAJENDRA WANKHADE	9665699902	wankhade.aditya@rediffmail.com
14	LM 132570	DHANASHREE SARJERAO WARE	9730353850	dhanshree.ware@abmspcoerpune.org
15	LM85418	BALAJI SIDRAM SELUKAR	8208852108	Balaji.selukar@abmspcoerpune.org
16	LM132548	KOLAMBE CHETAN	9552201336	kolambe.chetan@gmail.com
17	LM132560	MAHESH PRAKASH KUMBHARE	9921001028	mahesh.kumbhare@abmspcoerpune.org
18	LM99967	DR. RAVIRAJ RAMESH SORATE	7666930955	raviraj.sorate@abmspcoerpune.org
19	138539	MR.PRADIP GAUTAM KARALE	9503720431	pradip.karale@keystonesoe.in
20	LM132553	NILESH A. JADHAV	9970303670	nilesh.jadhav250588@gmail.com
21	LM67655	GANESH E. KONDHALKAR	9822676607	ganeshkondhalkar@gmail.com
22	LM53214	DATTATRAY P. KAMBLE	7972579673	dattatray.kamble@abmspcoerpune.org
23	LM130594	SAYALI R. KOKANE	7517044686	sayali.kokane@abmspcoerpune.org

Prof.Sandeep V. Raut
Workshop Coordinator

Pune

To

ISTE MEMBERSHIP FEE A/C

Account No: 6707247614

IFSC Code: IDIB000M089

From

ANANTRAO PAWAR COLLEGE OF ENGINEERING AND RESEARCH

SAHAKAR NAGAR, PUNE

PAYMENT ADVICE

Beneficiary Name: ISTE MEMBERSHIP FEE A/C

Beneficiary Nickname: ISTE

Payment Date: 01-06-2024

Beneficiary Account No.: 6707247614

Beneficiary IFSC Code: IDIB000M089

Amount: 2714.00

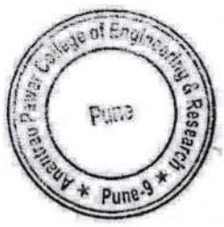
Company Name:

Reference No: 786355258

Remarks: ISTE Proceeding

Dear Sir / Madam,

We have initiated your payment through Fund Transfer on 01-06-2024 for an amount of INR 2714.00. In case of any clarification regarding this transaction please get in touch with corporate.ib@axisbank.com.



Accountant
Anantrao Pawar College of Engineering & Research
Parvati. Pune - 9

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
Record No.: ADM/D/036 **Revision: 00**	**DoI: 02/01/2023**	

Internal Correspondence

"SF - One Week Short-Term Training Programme (STTP) On Recent Advancement and Evolution in Mechanical Engineering in association with ISTE" on 6th to 10th May 2024.

Marks of the Test Conducted

SR. NO.	NAME OF THE PARTICIPANTS	ISTE Mem. ID	Score out of 24	% of Score
1	SANJAY S PARASKAR	LM17174	17	71
2	GADADHE SHIVAJI SITARAM	LM71747	20	83
3	ASHISH MAHENDRA DHARME	LM 130256	16	67
4	EKTA S MEHTA	LM79329	17	71
5	MANMOHAN BHOOMKAR	LM26383	23	96
6	NARESH G. JAISWAL	LM33830	24	100
7	RAVINDRA LAXMIKANT EDLABADKAR	LM26382	19	79
8	MANISH RAMDAS DHAWADE	LM 98404	19	79
9	SANDEEP VIJAY RAUT	LM132562	18	75
10	ASHISH RAJU PAWAR	LM132558	23	96
11	GAYATRI SANJEEVKUMAR KAMBLE	LMISTE 85145	17	71
12	MEHTRE VIKASKUMAR KISHANRAO	LM 132559	22	92
13	ADITYA RAJENDRA WANKHADE	LM132572	19	79
14	DHANASHREE SARJERAO WARE	LM 132570	23	96
15	BALAJI SIDRAM SELUKAR	LM85418	17	71
16	KOLAMBE CHETAN	LM132548	15	63
17	MAHESH PRAKASH KUMBHARE	LM132560	21	88
18	RAVIRAJ RAMESH SORATE	LM99967	22	92
19	PRADIP GAUTAM KARALE	LM138539	19	79
20	NILESH AMBAJI JADHAV	LM132553	20	83
21	GANESH E. KONDHALKAR	LM67655	15	63
22	DATTATRAY P. KAMBLE	LM53214	16	67
23	SAYALI R. KOKANE	LM130594	20	83

Date : 11/06/2024

Anantrao Pawar College of Engineering & Research Pune

11/06/2024.

Co-coordinator

Program Coordinator

Principal

Principal
Anantrao Pawar College of Engineering
& Research, Parvati, Pune - 9

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

EVENT REPORT

Name of Event:	ONLINE One Week Short Term Training Program (STTP) on Recent Advancements and Evolution in Mechanical Engineering in association with ISTE.
Date of Event	10/05/2024
Time of event:	11.00 am to 4.00 pm Session 1 (11.00 am to 1.15 pm) Session 2 (2.15pm to 4.00 pm)
Name of Event Coordinators:	1. Dr. D. P. Kamble (STTP Co-convener) 2. Asst. Prof. S. V. Raut (STTP Coordinator)
Name of Organizer:	Mechanical Engineering Department
Name of resource Person	Dr.P.R.Chitragar

Brief Introduction of Resource Person:

Dr.P.R.Chitragar is a professor and Dean (Alumni Affairs) at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati. He has completed his Ph.D in Mechanical Engineering from National Institute of Technology, Karnataka, Surathkal in 2017. He is having 23+ years of experience in teaching UG/PG/PhD students from various social and cultural backgrounds & 3 years of Industry experience. He has successfully guided 3 PhD Scholars and 3 scholars are working under him.

Brief Description of STTP:

The One week Short Term Training Programme (Online) on Recent Advancement and Evolution in Mechanical Engineering, in association with the Indian Society for Technical Education (ISTE), is a comprehensive learning experience designed to equip participants with the latest knowledge and skills in the field of Mechanical Engineering. Asst. Prof. D.S.Ware graciously introduced Dr.P.R.Chitragar to the participants with warmth and enthusiasm. After this, session was handover to speaker.

The event on recent advancements and evaluations in mechanical engineering in HVACR systems in online mode brought together experts, researchers, and industry professionals to discuss the latest trends and developments in the field. The event aimed to showcase innovative solutions, new technologies and evaluation methods in heating, ventilation, air conditioning, and refrigeration systems.

Anantrao Pawar College of Engineering & Research Pune

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	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
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EVENT REPORT

Key Highlights:

1. Advancements in Energy Efficiency: Experts discussed the latest advancements in improving energy efficiency in HVACR systems through the integration of smart technologies, variable speed drives, and advanced control systems. These innovations aim to reduce energy consumption and operating costs while maintaining optimal comfort levels.

2. Evaluation of Sustainable Refrigerants: The event highlighted the ongoing evaluation of sustainable refrigerants to address environmental concerns and comply with regulatory standards. Researchers presented findings on the performance and environmental impact of alternative refrigerants, such as low global warming potential (GWP) options.

3. Integration of Artificial Intelligence (AI) and IoT: Presentations focused on the integration of AI and Internet of Things (IoT) technologies in HVACR systems to enhance predictive maintenance, fault detection, and system optimization. The use of AI algorithms and real-time data analytics is revolutionizing the way HVACR systems are monitored and managed.

4. Virtual Design and Simulation Tools: Engineers showcased virtual design and simulation tools that enable the modeling and testing of HVACR systems in a virtual environment. These tools allow for accurate performance predictions, optimization of system components, and cost-effective design solutions.

Conclusion:

The event on recent advancements and evaluations in mechanical engineering in HVACR systems in online mode provided valuable insights into the cutting-edge technologies and practices shaping the future of the industry. Through collaborative efforts and knowledge sharing, the participants highlighted the importance of continuous innovation and sustainability in HVACR systems.

Anantrao Pawar College of Engineering & Research ★ Pune

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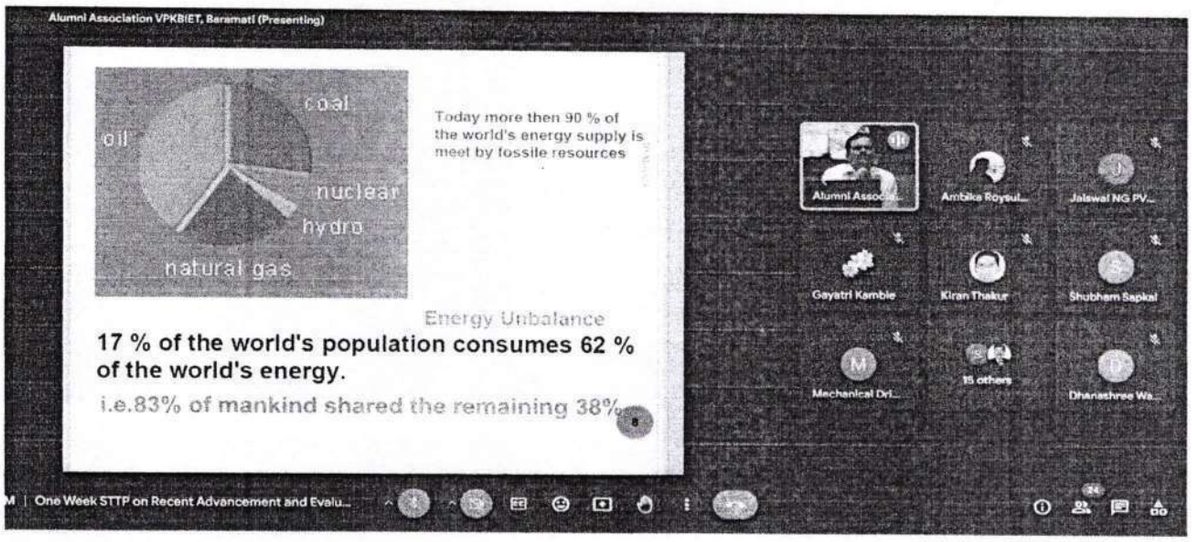
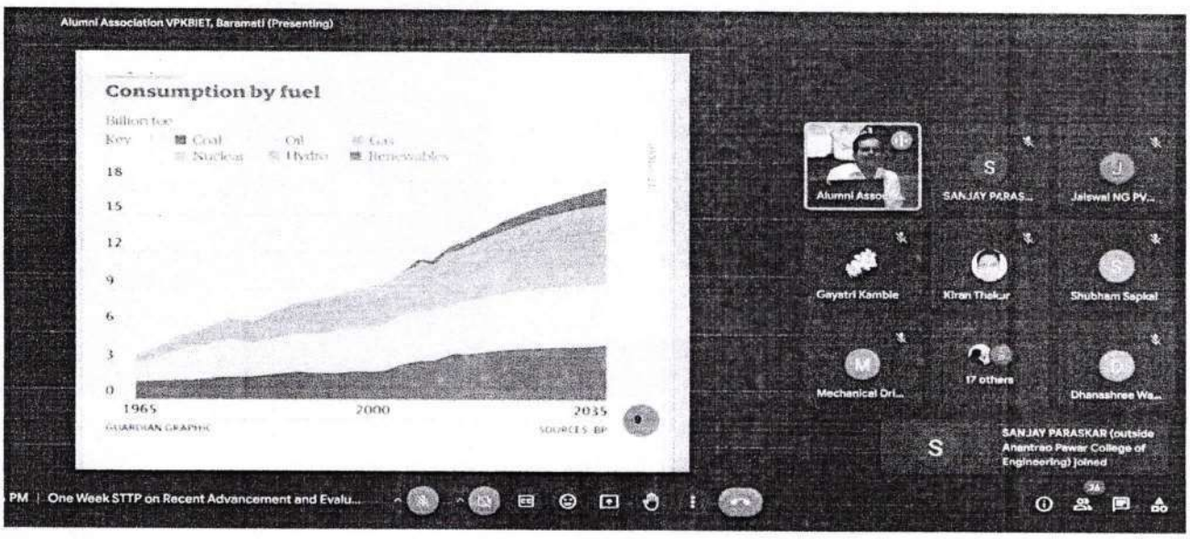
EVENT REPORT

Session Photograph:

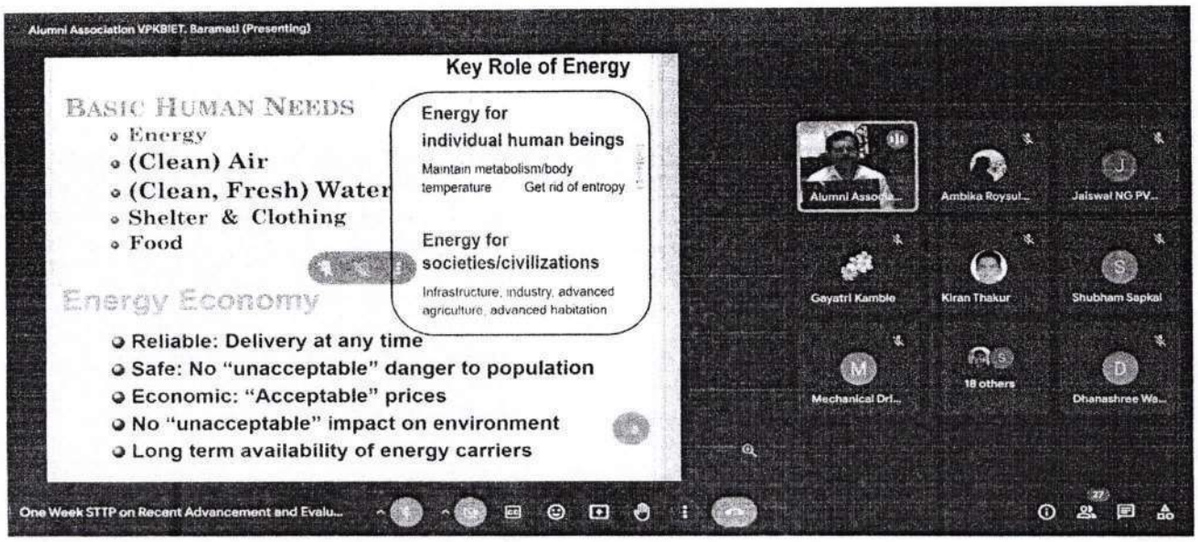


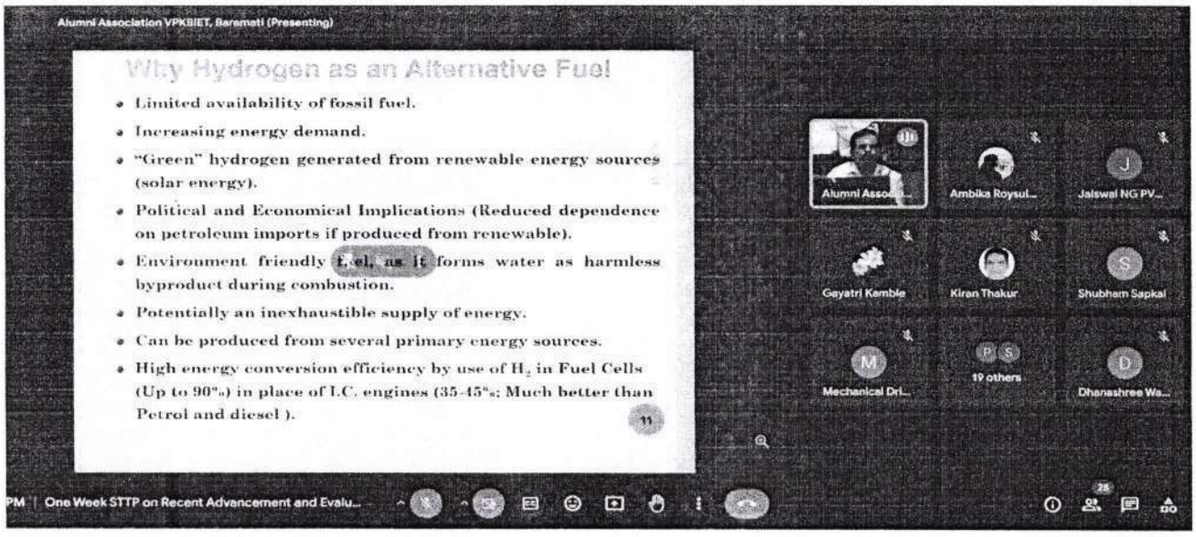


Anantrao Pawar College of Engineering & Research ★ Pune

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/D/021 **Revision: 00**	**DoI: 02/01/2023**

EVENT REPORT





	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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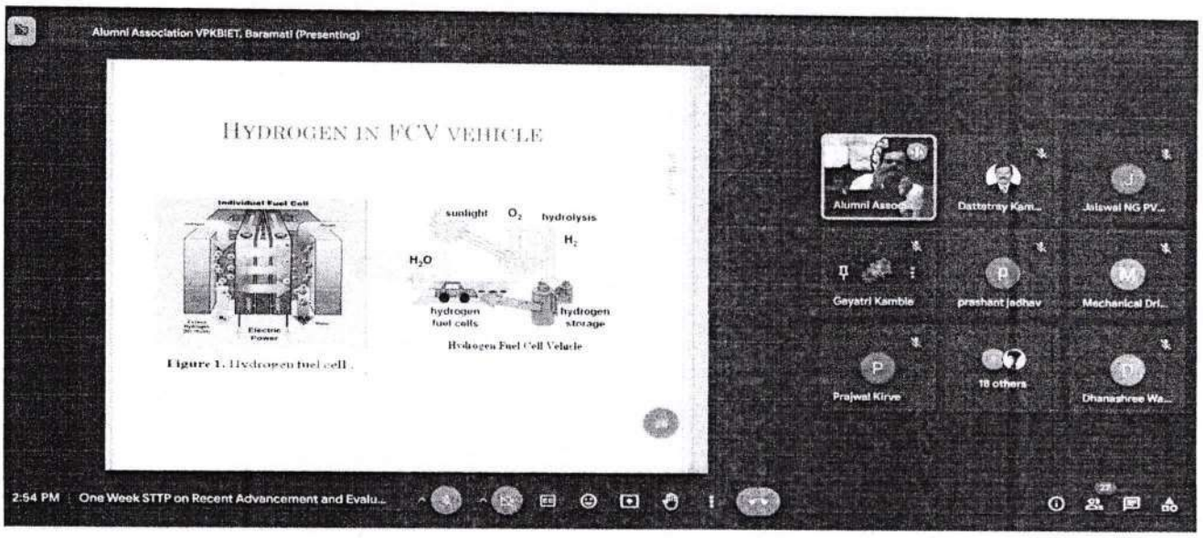

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Date: 10/5/2024

Anantrao Pawar College of Engineering & Research Pune

STTP Coordinator

Head of Department

Principal

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/D/021B **Revision: 00**	**DoI: 02/01/2023**
Event Report		

Name of STTP: ONLINE One Week Short Term Training Program (STTP) on Recent Advancements and Evolution in Mechanical Engineering in association with ISTE.

Date of STTP: 6/05/2024 to 10/05/2024

Time of STTP: 11.00 am to 4.00 pm

Session 1 (11.00 am to 1.15 pm)

Session 2 (2:00 pm to 4:00 pm).

Name of STTP Coordinator: 1. Dr. D. P. Kamble (STTP Co-convener)

2. Asst. Prof. S. V. Raut (STTP Coordinator)

Name of Organizer: Mechanical Engineering Department, A.P.C.O.E.&R

Name of Resource Person: Dr. Nitin Keshaorao Khedkar

Brief Introduction of Resource Person:

Dr. Nitin Keshaorao Khedkar. Professor & Head of the Department of Mechanical Engineering, Also, holds the position of Deputy Director- Administration in Symbiosis Institute of Technology (SIT-Pune). He was awarded Ph. D in Mechanical Engineering from Symbiosis International University (2016) in the area of Mechanical engineering. He has done his Masters in Manufacturing Automation from College of Engineering Pune in 2001 & B.E. from Amravati University. His area of interest for research is Metals Additive Manufacturing, Conventional Machining, Non-Conventional Machining, Digital manufacturing (Industry 4.0) and material characterization techniques

Dr. Khedkar total experience of 22 years in teaching and 2 years in industry. He is working as a Professor, Mechanical Engineering till date. Earlier he was working as a Head & Associate Professor, Product Design, Symbiosis Institute of Design, Pune. He worked as a Lecturer, at Vishwakarma Institute of Technology Pune for 4 years. He has started his carrier as Process Design Engineer in Versaware Technology Private Limited, Pune.He has completed major and minor research funded project worth INR 26 Lakh and working on 2 major research funded project worth INR 20 lakh from Advance Centre for Energy Materials, DRDO Nashik.

He has successfully guided 2 PhD scholars and 6 scholars are working under him. He has Published 4 patent. He has over 48 publications in international journals (SCI, Scopus.)

Dr. Khedkar has Membership of Professional Bodies such as Society of Automotive Engineers India (7190510452), Institute of Engineers (M-1688698), IEEE(R&A), ADI, ISTE. He has Guided 1 Ph.D. (5 in progress), 10 M. Tech., 28 B. Tech., and 12 B. Des. Projects. He has played a key role in establishing and

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developing the very first technical institute of Symbiosis (Symbiosis Institute of Technology). He is recognized as a reviewer for various national and international journals. He was invited as a subject expert for viva-voce of research scholars at various universities. He has developed a first research lab at SIT in 2014, Advanced Manufacturing Technology (AMT) Lab that is equipped with a manufacturing facility in Non-Conventional machining, conventional machining, digital manufacturing and material characterization technique. He is associated with various professional bodies of IEEE (RA),HCI, SAE, ISTE and ADI. He is pioneer in starting unique initiative like Special diploma in business management for SIT students jointly achieved with B. Tech degree. He worked on various administrative and academic committees of Symbiosis International University like BOS, BOE, NAAC, AC and SCC and many more

Brief Description of STTP:

The One week Short Term Training Programme (Online) on Recent Advancement and Evolution in Mechanical Engineering, in association with the Indian Society for Technical Education (ISTE), is a comprehensive learning experience designed to equip participants with the latest knowledge and skills in the field of Mechanical Engineering.

The inauguration of the STTP commenced with an insightful introduction delivered by Prof. S. V. Raut. Prof Raut provided an overview of the STTP, delineating its objectives and underscoring its pivotal role in the field. Asst. Prof. A.R.Wankhade graciously introduced Dr.Nitin Khedkar to the participants with warmth and enthusiasm. After this, session was handover to speaker.

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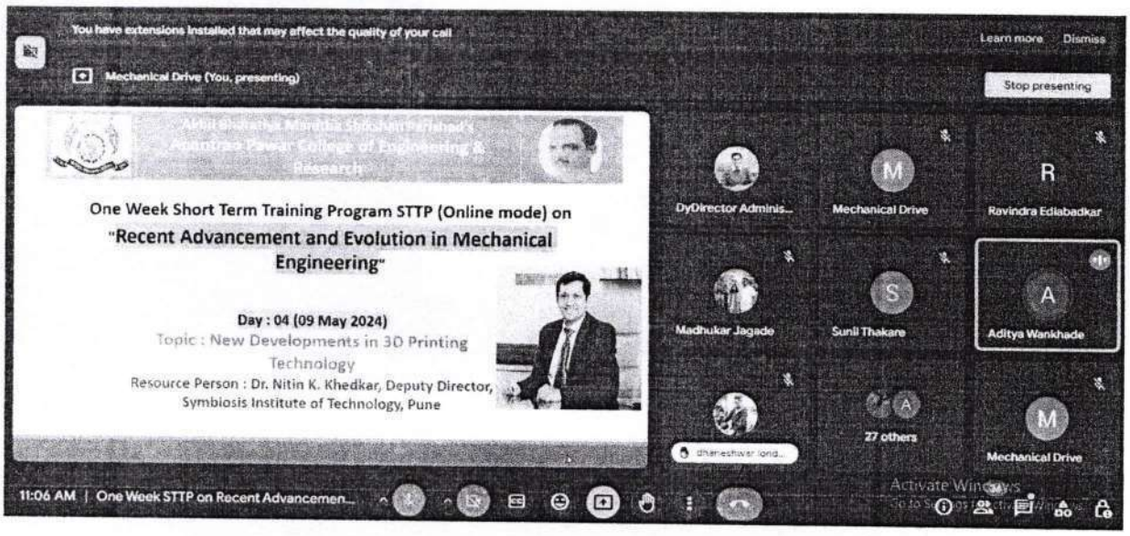
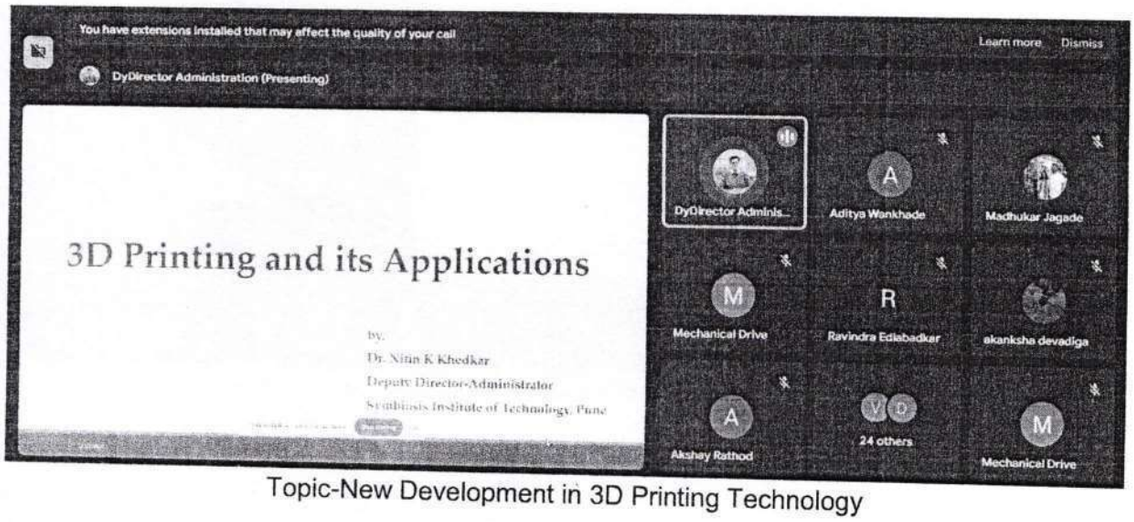
Photograph with detailed caption: Session 1



Introduction of Dr. Nitin Khedkar



Topic-New Development in 3D Printing Technology

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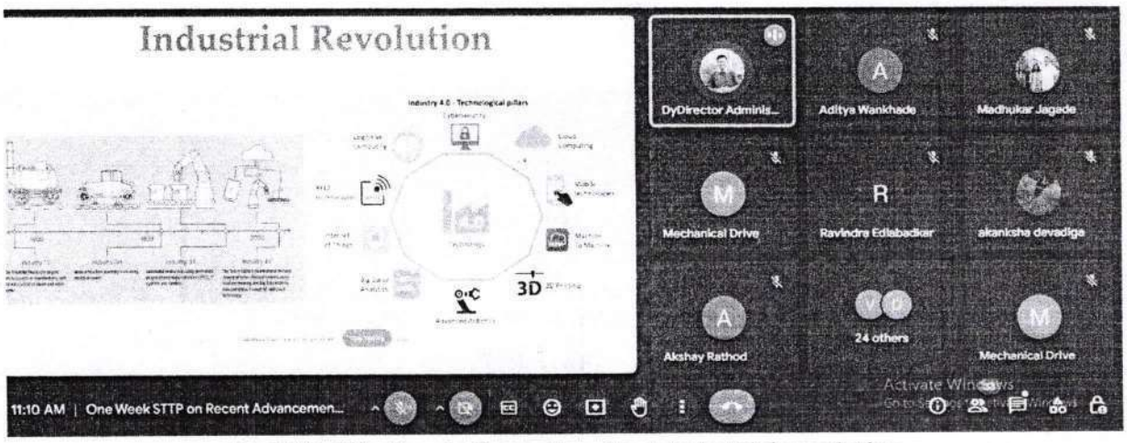
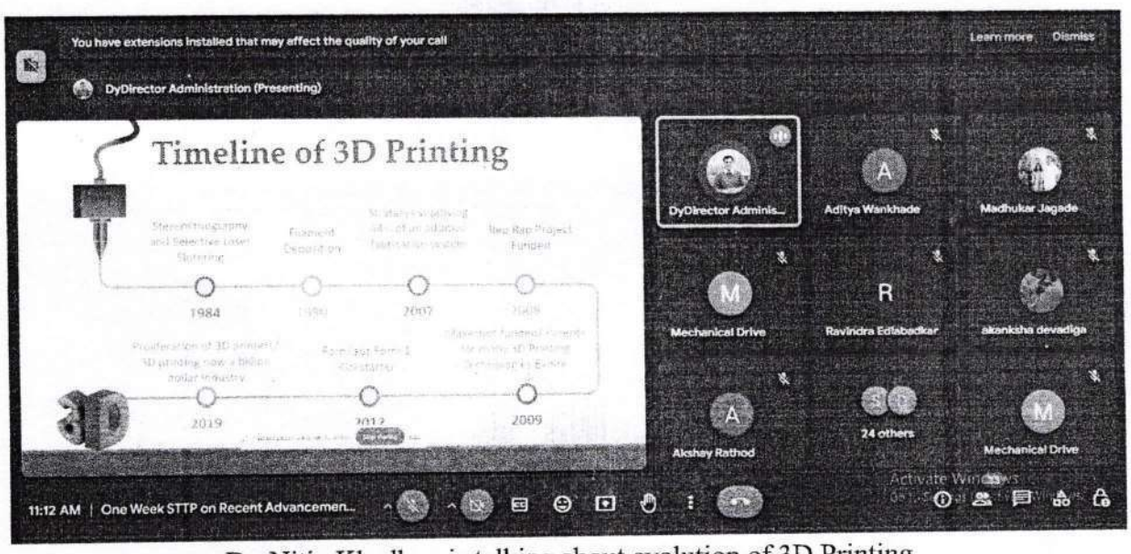


Dr. Nitin Khedkar is discussing about Industrial revolution



Dr. Nitin Khedkar is talking about evolution of 3D Printing

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	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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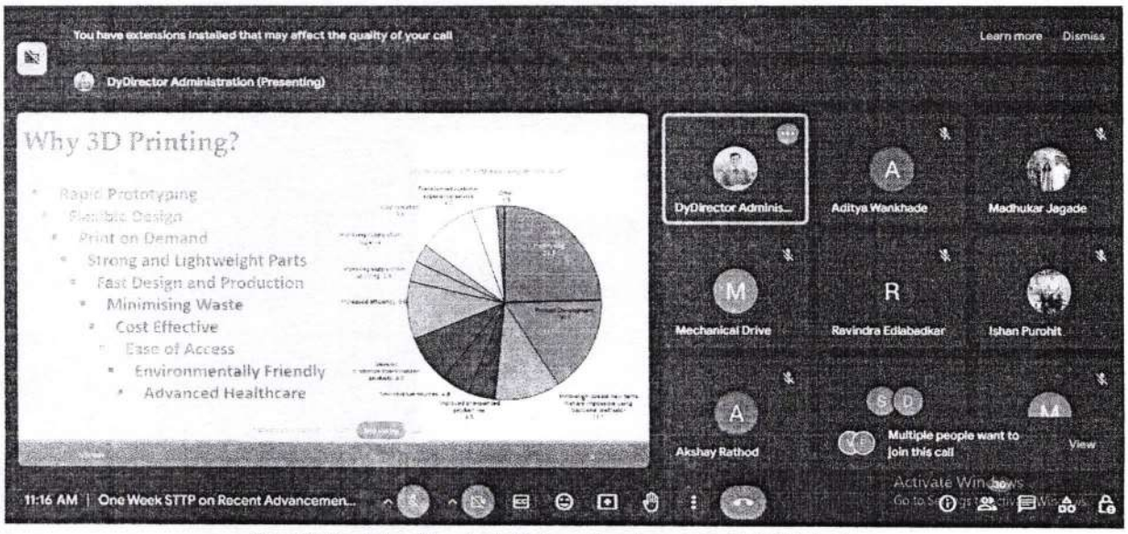
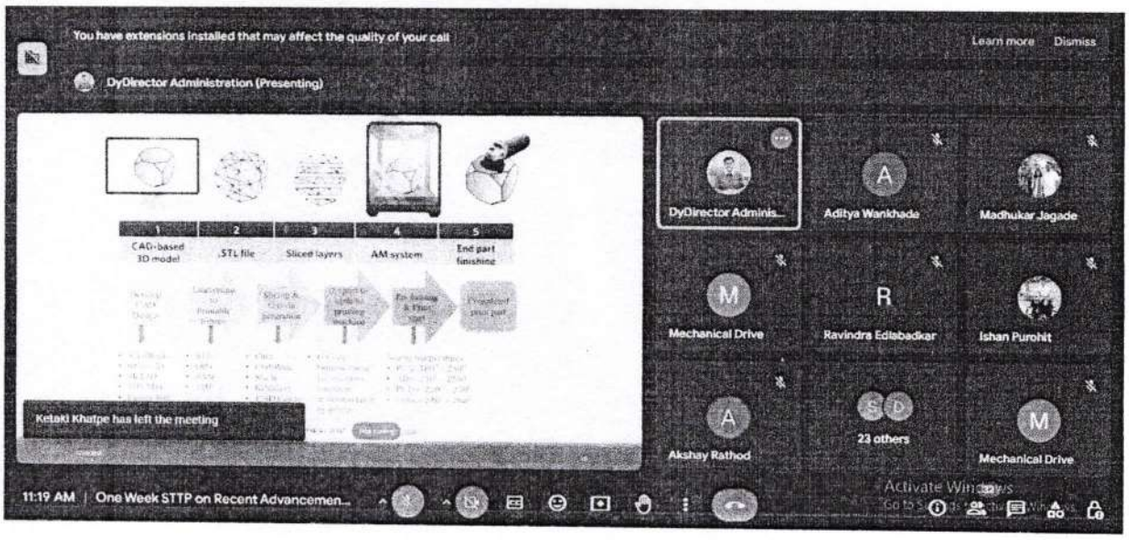


Dr. Nitin Khedkar is talking about need of 3D Printing



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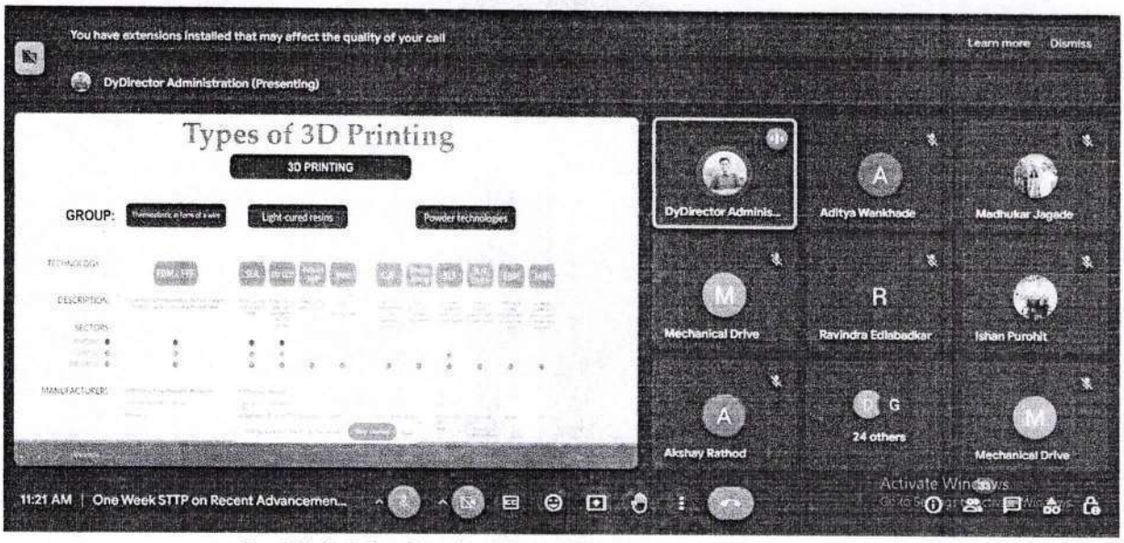
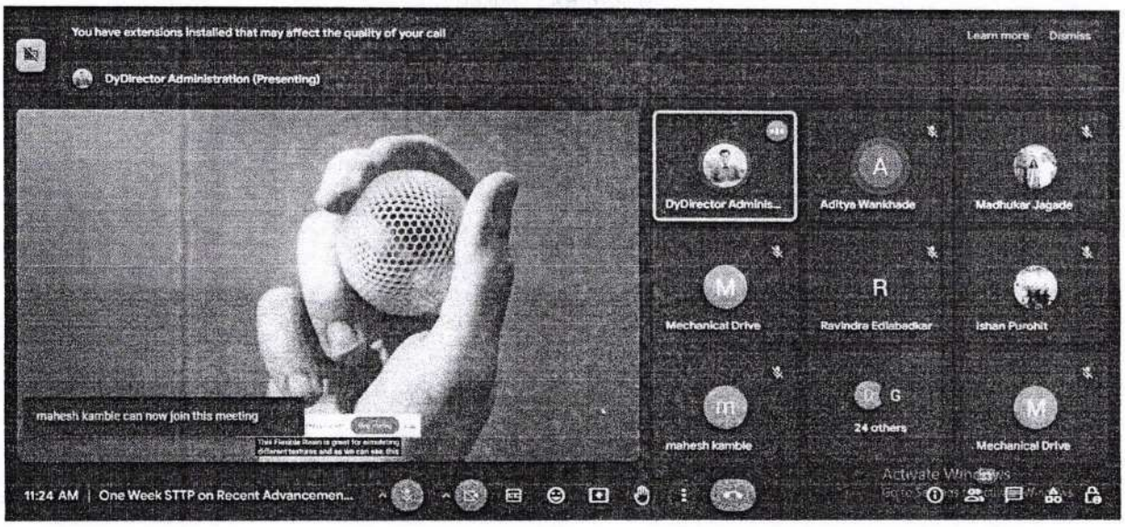


Dr. Nitin Khedkar is talking about Types of 3D Printing



Dr. Nitin Khedkar is showing some examples through video

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	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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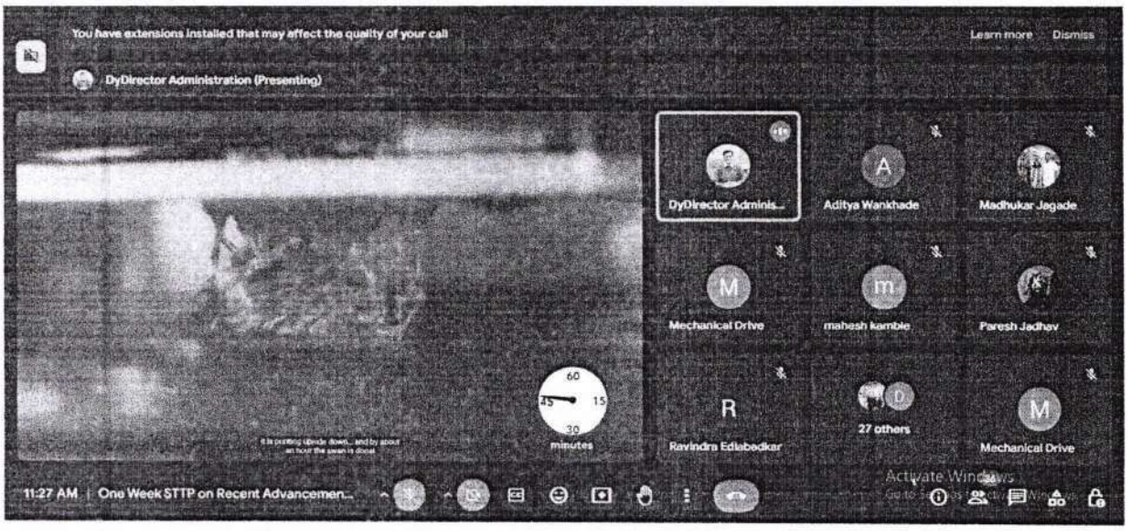
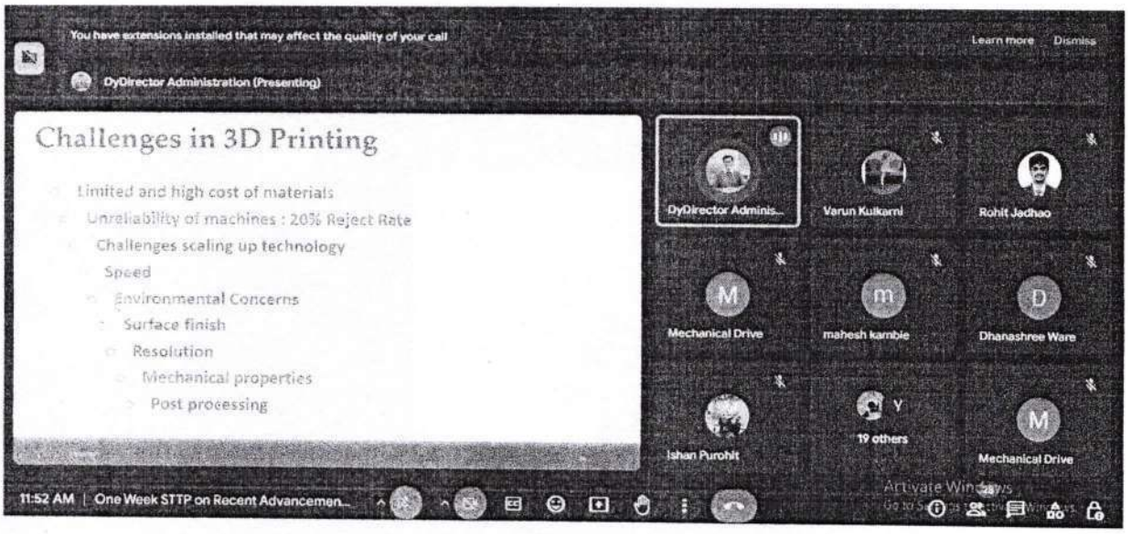


Dr. Nitin Khedkar is showing some examples through video



Dr. Nitin Khedkar is talking about Challenges in 3D Printing

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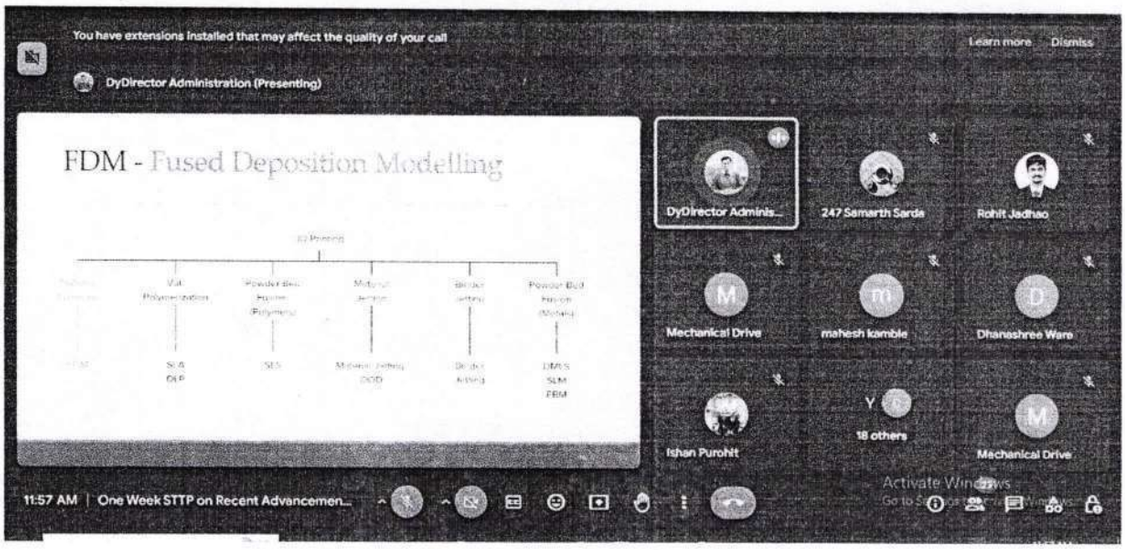
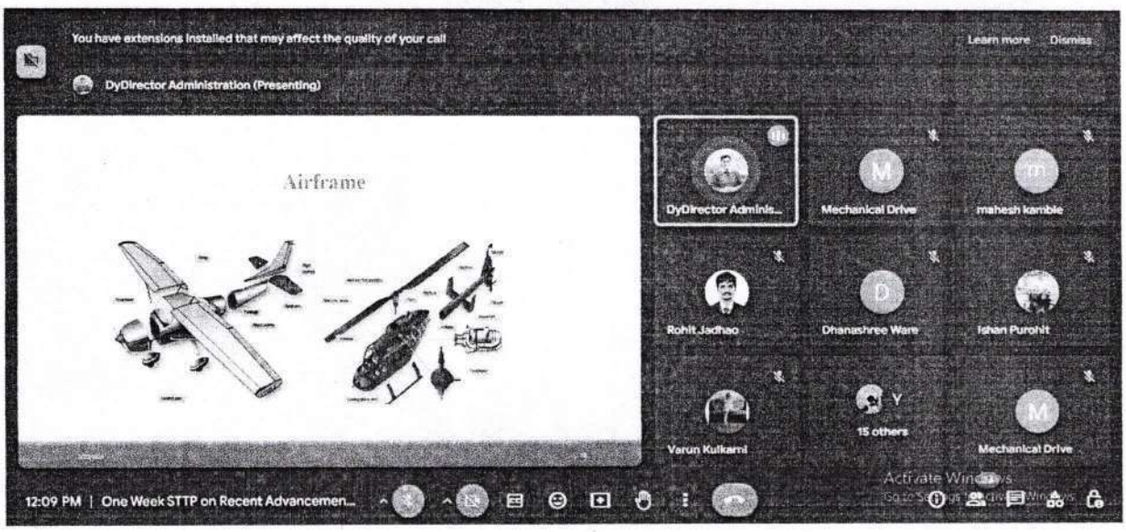


Dr. Nitin Khedkar is talking about FDM in 3D Printing



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Event Report		

Dr. Nitin Khedkar is showing some Product

Day : Friday

Date: 09/05/2024

Prof.S.V.Raut
STTP Coordinator

Dr.D.P.Kamble
Head of Department

Anantrao Pawar College of Engineering & Research Pune

Dr.S.B.Thakare
Principal

	AkhilBharatiya Maratha ShikshanParishad's **Anantrao Pawar College of Engineering & Research**	
	Record No.: ACA/D/021B **Revision: 00**	**DoI: 02/01/2023**

Report On STTP Attended By Faculty

Name of STTP: ONLINE One Week Short Term Training Program (STTP) on Recent Advancements and Evolution in Mechanical Engineering in association with ISTE.

Date of STTP: 06/05/2024 to 10/05/2024

Time of STTP: 11.00 am to 4.00 pm

Session 1 (11.00 am to 1.15 pm)

Name of STTP Coordinator: 1. Dr. D. P. Kamble (STTP Co-convener)

2. Prof. S. V. Raut (STTP Coordinator)

Name of Organizer: Mechanical Engineering Department

Name of Resource Person: Dr.S.K.Patil

Day 3 Session Moderator: -Prof.Sandeep V. Raut

Brief Introduction of Resource Person:

Dr. S.K.Patil, Associate Professor, in Mechanical Engineering Department of College of Engineering and Technology, Akola, Maharashtra. His Educational qualification is M.E. (Production Technology) and Doctoral degree Ph.D. on topic automation of seed processing machineries.

3- He was BOS member on Production Engineering Board of SGBAU. 4- He is also holding the position as IQAC coordinator in his institute and under his guidance the college received A grade in two consecutive cycle of NAAC.

His area of interest is in developing seed processing machines. From last 28 years he is actively involved in Design and development of machinery especially seed processing machinery. He has designed nearly all types of seed processing machines with added features. Mainly his focus was to develop automated machines and succeeded in developing many of such auto machines. He was actively involved in designing and development of Automatic Dry gas cottonseed delinting Plant which is now operational in many well known seed companies in India. Government of India is giving subsidy to this plant. This was a breakthrough technology.

Mrs.Patil, running her own industry S.K.EDUTECH AND AGRO INDUSTRIES IN PHASE IV, MIDC AKOLA, with his inspiration and continuous guidance. The company is involved in manufacturing seed processing machineries as well as seed/grain cleaning and grading machines. The machines are installed nearly in all the states of India and also machines are exported. Company is also involved in manufacturing of PLC based automated Pneumatic and Hydraulic trainer kits. The automated kits manufactured by company are operating in various Engineering institutes and industries.

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	AkhilBharatiya Maratha ShikshanParishad's Anantrao Pawar College of Engineering & Research	
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Brief Description of STTP:

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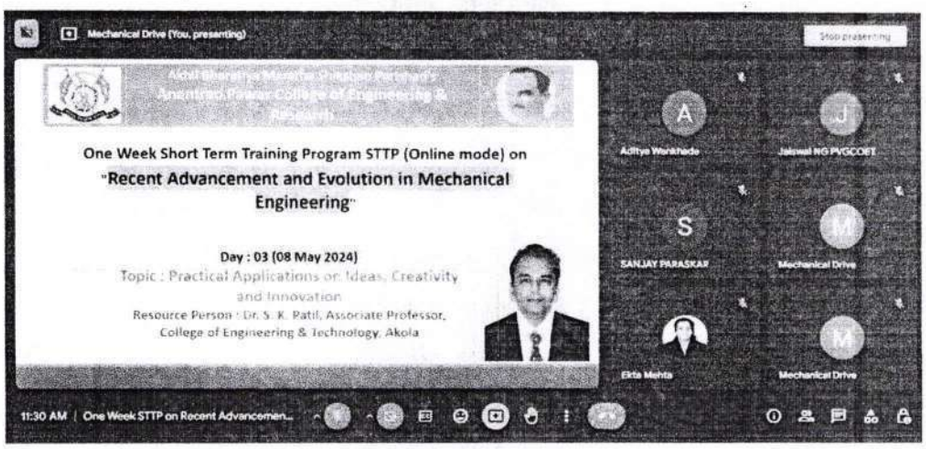
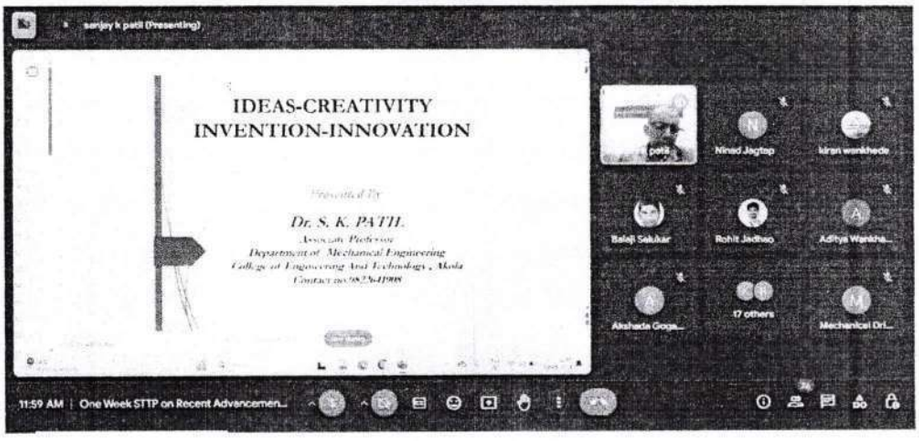
. Prof.S.V.Raut introduced Dr.S.K.Patil to the attendees of the session and describes their achievements with warmth and enthusiasm. After this, Expert took the charge of the sessions.

Photograph with detailed caption: Session 1





Introduction of Dr.S.K.Patil

Dr.S.K.Patil Conducted the session on the Practical Applications on ides, creativity and Innovation.

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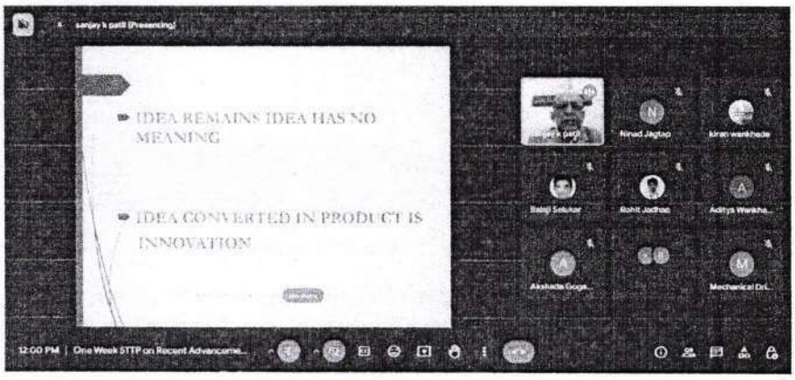
Report On STTP Attended By Faculty

Dr. S.K. Patil, a renowned thinker and scholar, had a deep understanding of the interplay between ideas, creativity, invention, and innovation. He believed that the true power lies not just in the initial idea, but in the ability to transform it into tangible and impactful reality.

Dr. S.K. Patil emphasized that ideas are the foundation, but creativity is the fuel that ignites the process of invention. It is through the creative process that new solutions, products, or systems are conceptualized and brought to life. Invention, in turn, lays the groundwork for innovation – the practical application and commercialization of these new ideas and creations.According to Dr.Patil, the synergy between these elements is crucial for driving progress and making a lasting difference in society. He advocated for nurturing a culture that fosters idea generation, creative problem-solving, and the successful implementation of innovative solutions.



Dr. S.K. Patil, eloquently stated that an idea, in itself, has no inherent meaning. He emphasized that an idea, no matter how brilliant or revolutionary, remains merely a concept until it is brought to life and actualized. Dr. Patils profound observation underscores the importance of transforming ideas into tangible realities. He believed that true meaning and impact are derived when an idea is translated into action, innovation, or a practical solution to a problem. Simply possessing an idea is not enough; it is the dedicated effort, implementation, and real-world application that ultimately give an idea its true significance and value.

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Report On STTP Attended By Faculty		

Photograph with detailed caption: Session 2

Dr.S.K.Patil explaining about his own product as a practical approch for automation and product design.

Dr. S.K. Patil, a renowned mechanical engineer and innovator, made significant contributions to the field of agricultural engineering. One of his notable inventions was the "Seed Flow Divider," which addressed a critical challenge faced by farmers and seed processing industries.The Seed Flow Divider was designed to ensure accurate and consistent seed distribution during planting and sowing operations. By precisely controlling the flow of seeds, the device helped to optimize seed utilization, reduce wastage, and improve the overall efficiency of agricultural practices.His innovative approach to this problem showcased his deep understanding of the needs of the farming community and his ability to develop practical solutions. The Seed Flow Divider became a widely adopted technology, enhancing productivity and sustainability in the agricultural sector.Patil's invention exemplified his commitment to driving progress and addressing real-world challenges through the application of engineering principles and creative problem-solving.

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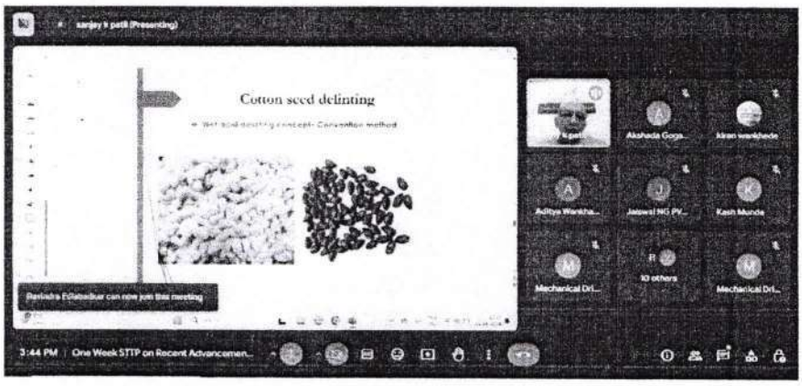

The Explaination on Seed Flow Divider

In conclusion, the insights and contributions of Dr. S.K. Patil highlight the integral relationship between ideas, creativity, invention, and innovation. As a visionary thinker and accomplished engineer, Patil's perspectives offer valuable lessons for individuals and organizations seeking to drive meaningful progress.

Patil emphasized that ideas, while the foundation, are only the beginning. It is through the application of creativity, the process of invention, and the successful implementation of innovative solutions that ideas can truly come to life and make a lasting impact. His own invention, the "New Product Seed Flow Divider," exemplified this principle, addressing a real-world challenge in the agricultural sector with a practical and impactful solution.

Dr. S.K.Patil's legacy serves as a testament to the power of combining intellectual acumen, problem-solving skills, and a deep understanding of user needs. By fostering a culture that nurtures idea generation, creativity, and the successful realization of innovations, organizations can unlock new frontiers of growth and development, much like the groundbreaking work of Dr. S.K. Patil.

Day : Saturday

Date: 11/5/2024

Prof.S.V.Raut
STTP Coordinator

Anantrao Pawar College of Engineering & Research Pune

Dr.D.P.Kamble
Head of Department

Dr.S.B.Thakare
Principal

	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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2. Prof. S. V. Raut (STTP Coordinator)

Name of Organizer: Mechanical Engineering Department

Name of Resource Person: Dr. Kashinath H. Munde

Day 3 Session Moderator: - Prof.Sandeep V. Raut

Brief Introduction of Resource Person:

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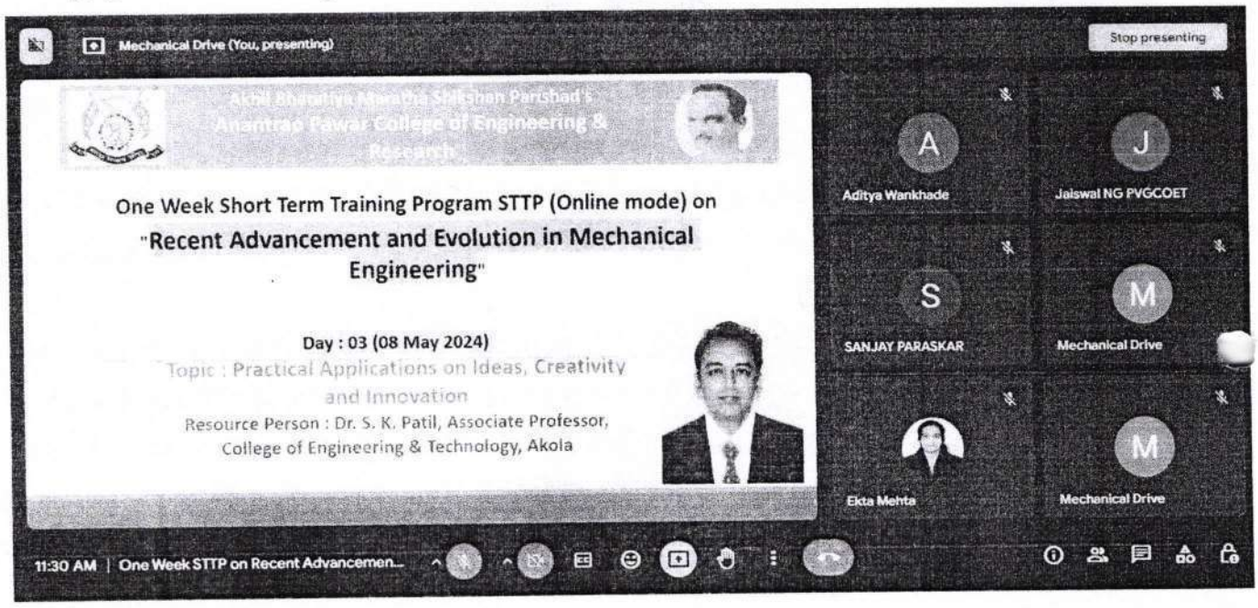

Introduction of Dr. S.K.Patil

Dr. Munde's session on opportunities in innovation and entrepreneurship in industries and the global market illuminated the vital role these elements play in today's economic landscape. Innovation, defined as the process of translating ideas into goods or services that create value, is a critical driver of growth and competitiveness. Entrepreneurs, by leveraging innovative ideas, can disrupt traditional markets and create entirely new industries.

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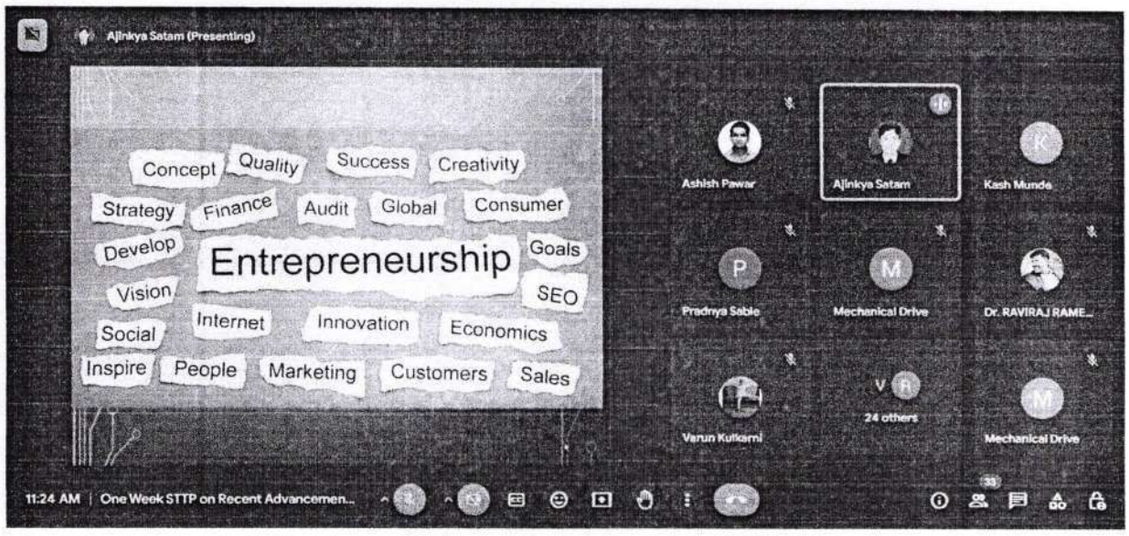
Topic- Opportunities in Innovation & Entrepreneurship in Industries and Global Market



Dr. Munde discussed about Entrepreneurship

Dr. Munde highlighted several key opportunities within this space. Firstly, he emphasized the rise of digital transformation. With advancements in technologies such as artificial intelligence, block chain, and the Internet of Things (IoT), there are significant opportunities for start-ups and established companies to innovate. These technologies enable the creation of smart products and services that can transform industries ranging from healthcare to finance to manufacturing.

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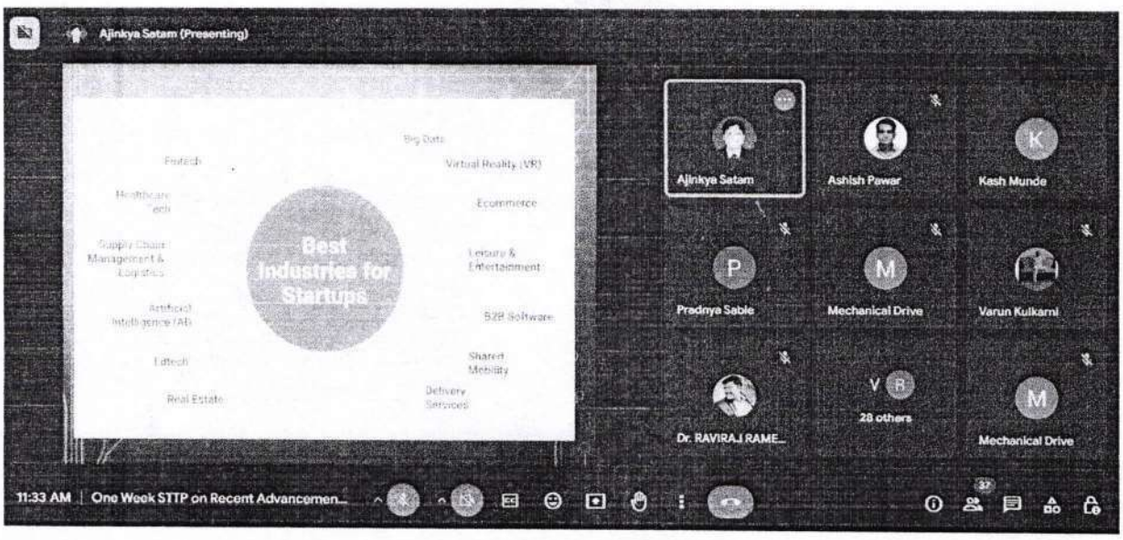
Dr. Munde discussed about Innovation Challenges

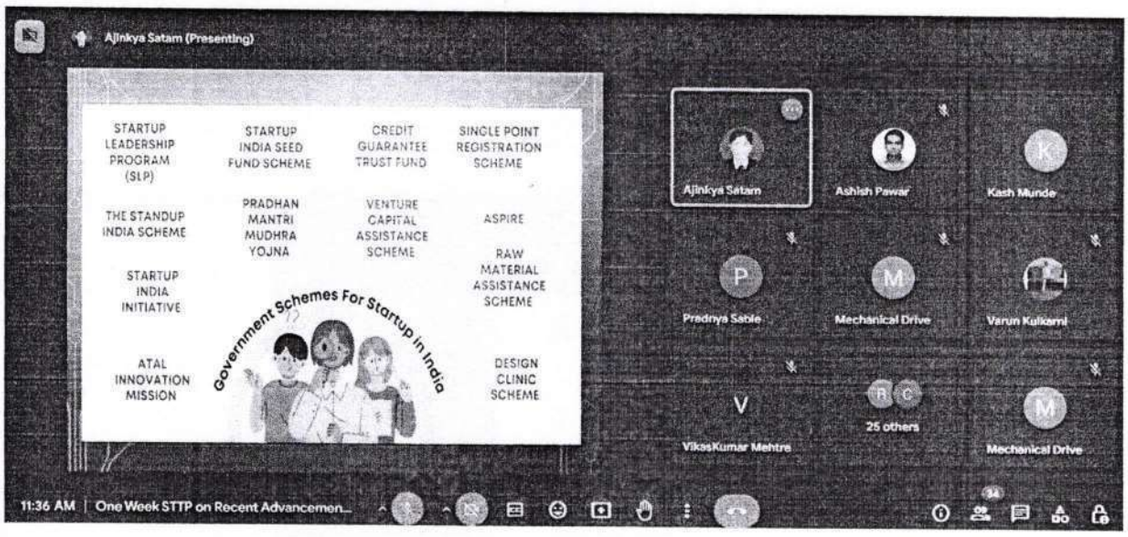


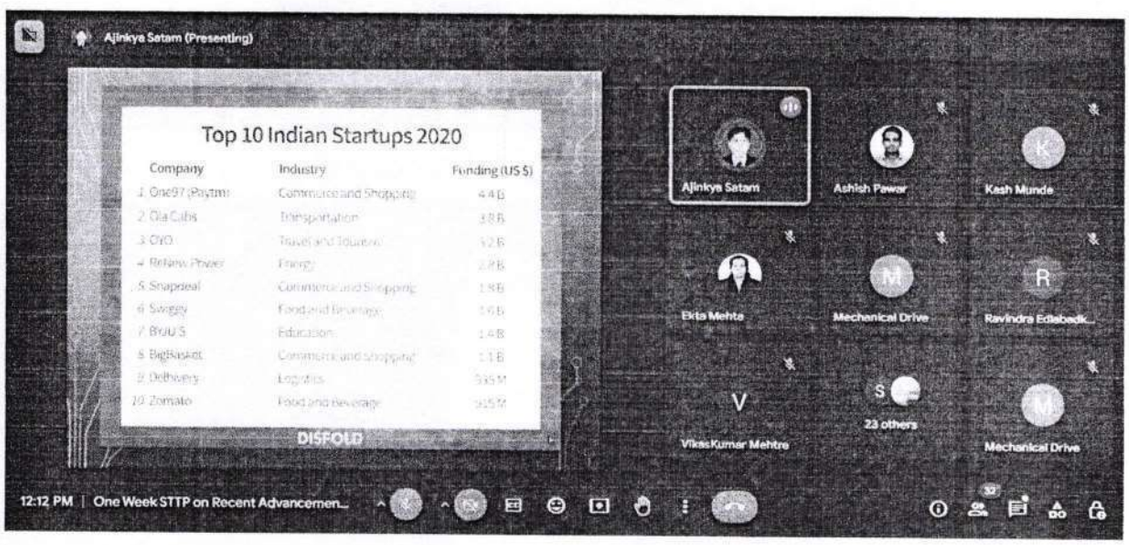
Dr. Munde discussed about Best Industries for Startups

Secondly, Dr. Munde pointed out the growing importance of sustainability and green technologies. As global awareness of climate change and environmental degradation increases, there is a tremendous opportunity for entrepreneurs to develop sustainable solutions. This includes renewable energy technologies, sustainable agriculture practices, and circular economy initiatives. Companies that innovate

College of Engineering & Research Pune

in this space not only contribute to environmental protection but also meet the rising consumer demand for green products.





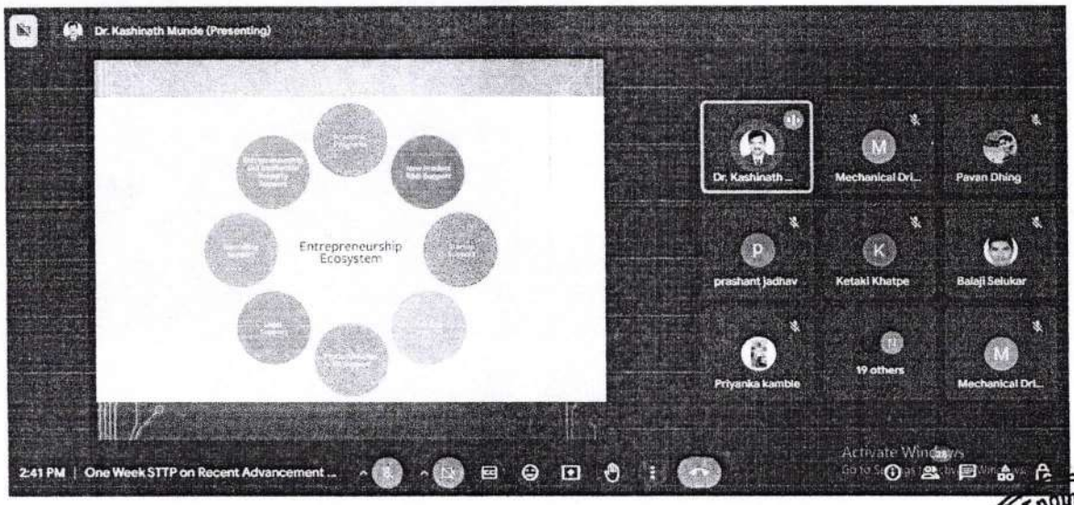
Dr. Munde discussed about Best Government Startups Schemes in India & Top 10 Startups of India

The session also addressed the importance of understanding global market dynamics. Dr. Munde discussed how globalization and digital connectivity have opened up new markets and made it easier for businesses to reach international audiences. Entrepreneurs can now scale their businesses faster and more efficiently by leveraging global supply chains and digital marketing strategies.

Additionally, Dr. Munde underscored the importance of a supportive ecosystem for innovation and entrepreneurship. This includes access to funding, mentorship, and networking opportunities. He noted that many successful entrepreneurial hubs, such as Silicon Valley, benefit from a robust ecosystem that supports startups through various stages of their development.

Session 2 (02.00 pm to 04.00 pm)

Dr. Munde discussed about Start-ups



Dr. Munde discussed about Entrepreneurship Ecosystem

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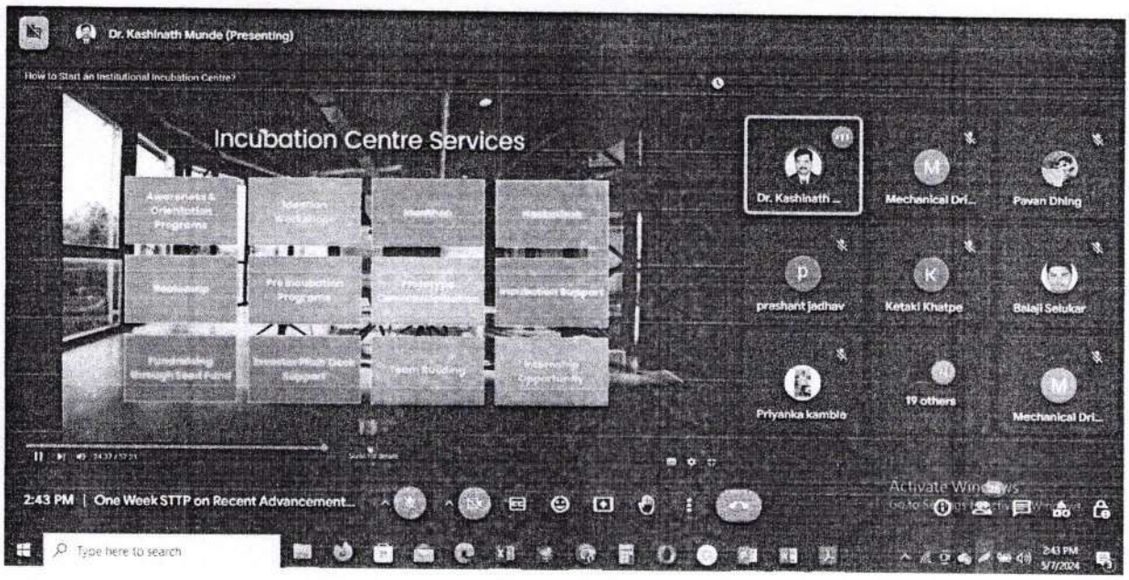
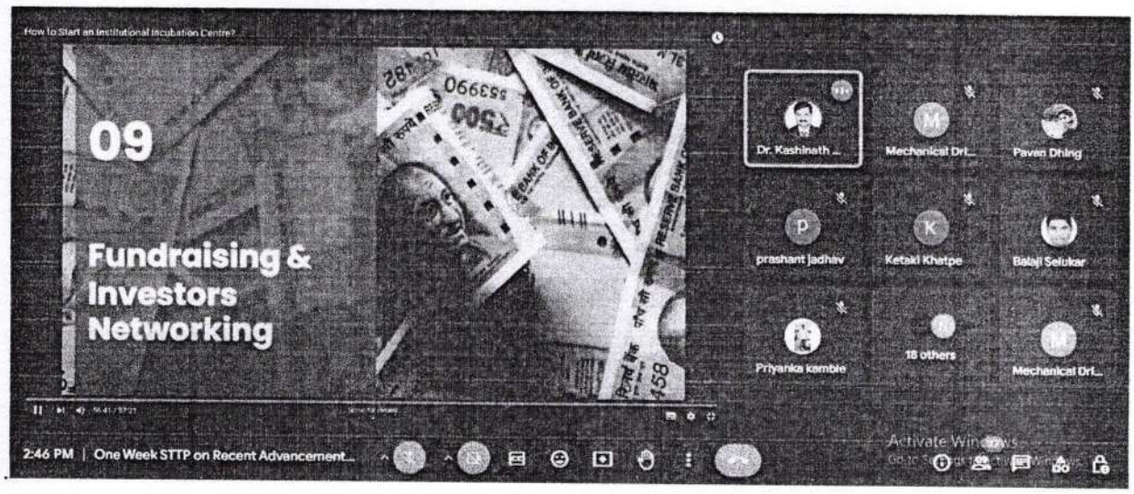
Event Report



Dr. Munde discussed about Incubation Centre Services



Dr. Munde discussed about Fundraising & Investors Networking

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	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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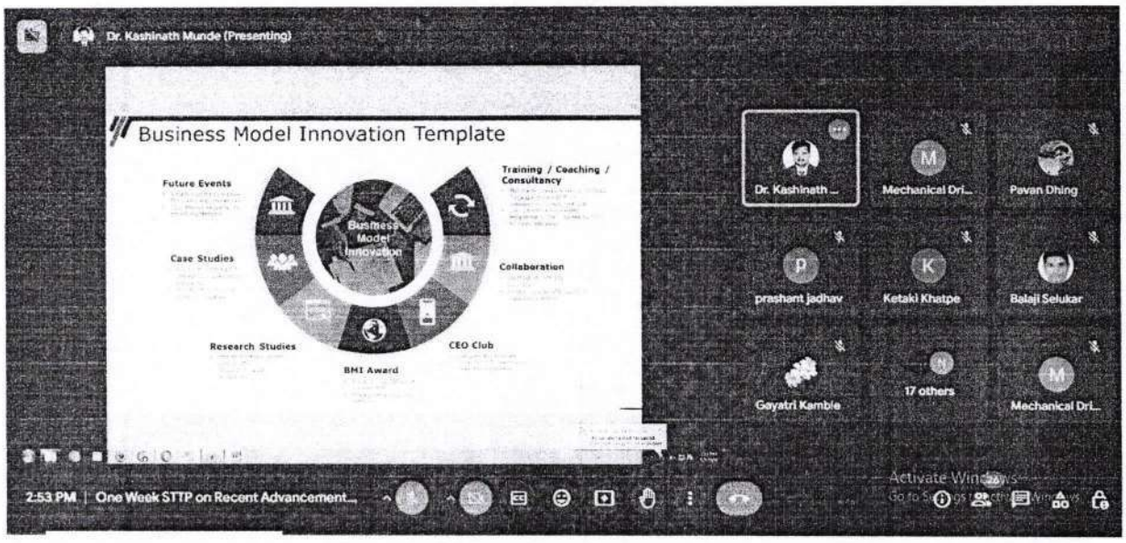
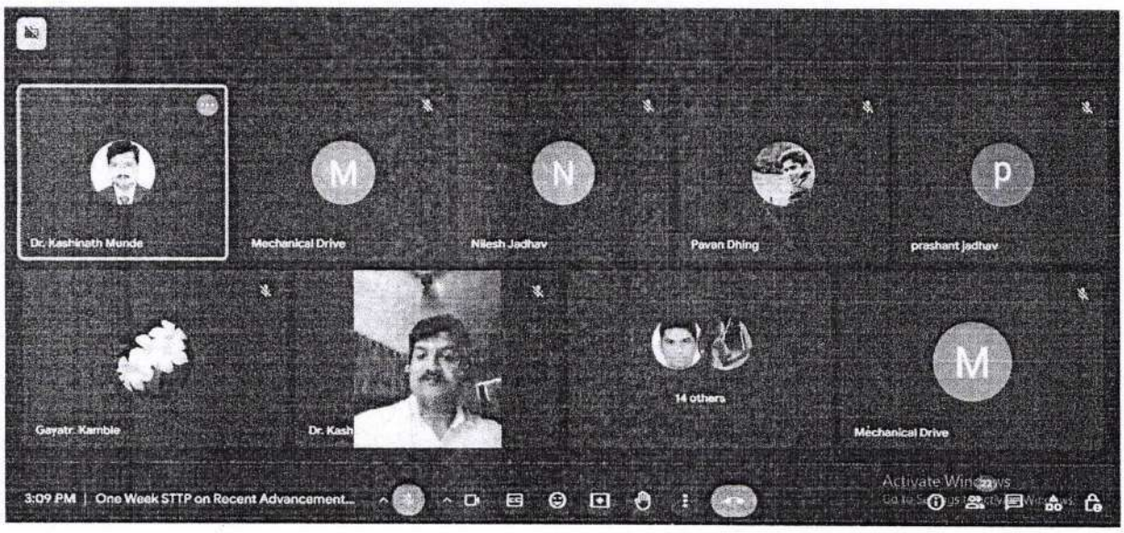
	Event Report	

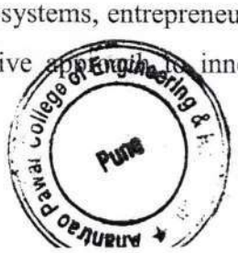


Dr. Munde discussed about Business Model Innovation Template



Concludind Remarks by Dr. Munde

In conclusion, Dr. Munde's session highlighted that the intersection of innovation and entrepreneurship presents vast opportunities across industries and global markets. By embracing digital transformation, sustainability, and globalization, and by operating within supportive ecosystems, entrepreneurs can drive significant economic growth and societal progress. This comprehensive approach to innovation and



entrepreneurship is essential for tackling the complex challenges of the modern world and for capitalizing on the myriad opportunities available in today's dynamic market environment.

Day : Saturday

Date: 11/5/2024

Anantrao Pawar College of Engineering & Research Pune

STTP Coordinator | Head of Department | Principal

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research	
	Record No.: ACA/D/021B **Revision: 00**	**DoI: 02/01/2023**

Report On STTP Attended By Faculty

Name of STTP:	ONLINE One Week Short Term Training Program (STTP) on Recent Advancements and Evolution in Mechanical Engineering in association with ISTE.
Date of STTP:	6/05/2024 to 6/05/2024
Time of STTP:	11.00 am to 4.00 pm Session 1 (11.00 am to 1.15 pm) Session 2 (2.15pm to 4.00 pm)
Name of STTP Coordinator:	1. Dr. D. P. Kamble (STTP Co-convener) 2. Asst. Prof. S. V. Raut (STTP Coordinator)
Name of Organizer:	Mechanical Engineering Department
Name of Resource Person:	Dr. Amol Kamble

Brief Introduction of Resource Person:

DR. AMOL KAMBLE, Associate Professor, Amity University Maharashtra. Speaker has 17+ years of experience at leading academic institutions teaching UG/PG/PhD students from various social and cultural backgrounds. Possessing excellent administrative, verbal communication and written skills along with constructive and effective teaching methods that promote a stimulating learning environment. Able to work in a managerial role or as part of team and having the proven ability to successfully work to tight schedules and deadlines. Highly efficient and methodical with a good eye for detail with a proactive approach to performance and data accuracy. Dedicated towards research work on hydrogen storage materials that resulted in quality publications with Elsevier, Springer, ACS and reviewer & editor for the same journals.

Brief Description of STTP:

The One week Short Term Training Programme (Online) on Recent Advancement and Evolution in Mechanical Engineering , in association with the Indian Society for Technical Education (ISTE), is a comprehensive learning experience designed to equip participants with the latest knowledge and skills in the field of Mechanical Engineering.

The inauguration of the STTP commenced with an insightful introduction delivered by Prof. S. V. Raut. Prof Raut provided an overview of the STTP, delineating its objectives and underscoring its pivotal role in the field.

Dr. D. P. Kamble narrated the about the STTP. He focused on the outcome of program which offers a unique opportunity for mechanical engineering professionals and enthusiasts to stay updated on the rapidly evolving advancements in the Mechanical and Interdisciplinary industry.

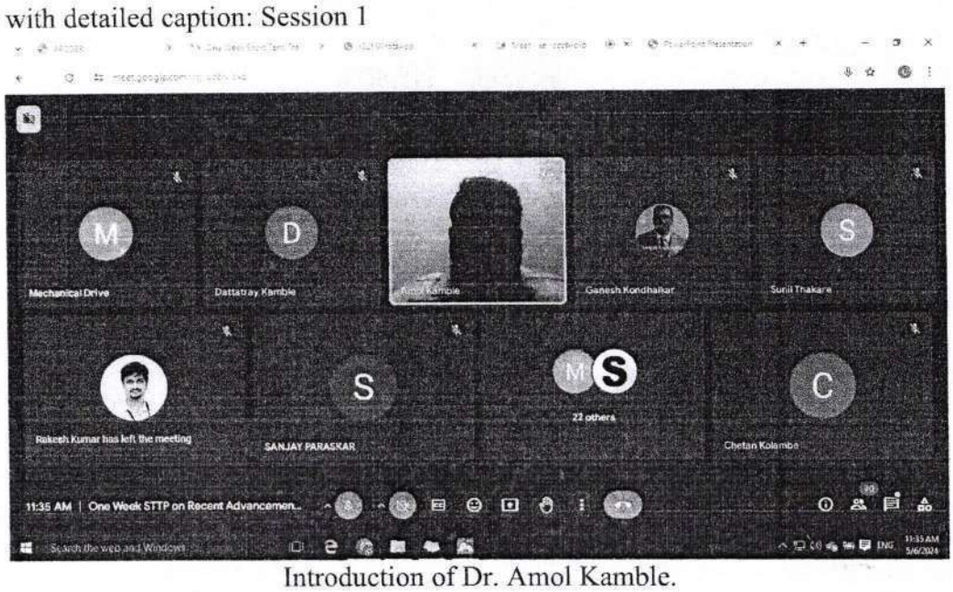
Prof. G. E. Kondhalkar, IQAC Coordinator, highlighted that the STTP facilitates collaborative learning, networking, and knowledge exchange. This fosters an environment wherein participants can augment their expertise and actively contribute to the advancement and innovation of mechanical engineering.

Dr. S. B. Thakare, Principal of APCOER, delivered a compelling address regarding the STTP emphasizing its significance in the academic landscape. He underscored the program's objectives, emphasizing its

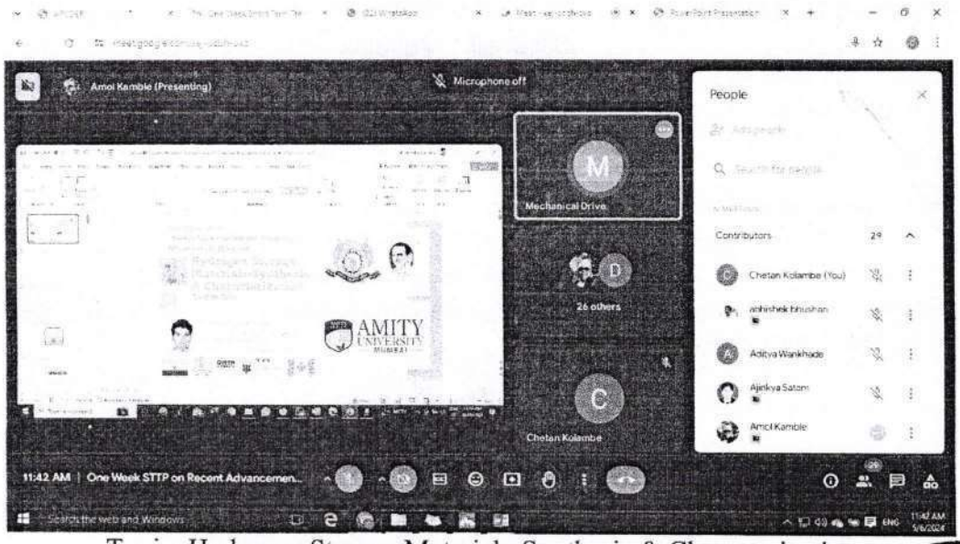
commitment to nurturing talent, promoting interdisciplinary collaboration, and fostering innovation within the field.

Asst. Prof. Kolambe C.E graciously introduced Dr. Amol Kamble to the participants with warmth and enthusiasm. After this, session was handover to speaker.

Photograph with detailed caption: Session 1



Introduction of Dr. Amol Kamble.



Topic: Hydrogen Storage Materials-Synthesis & Characterization

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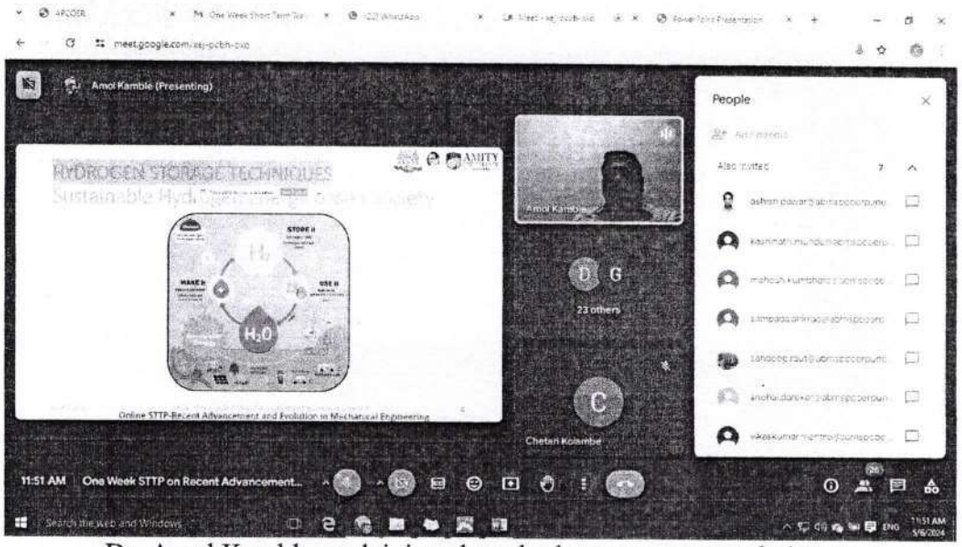
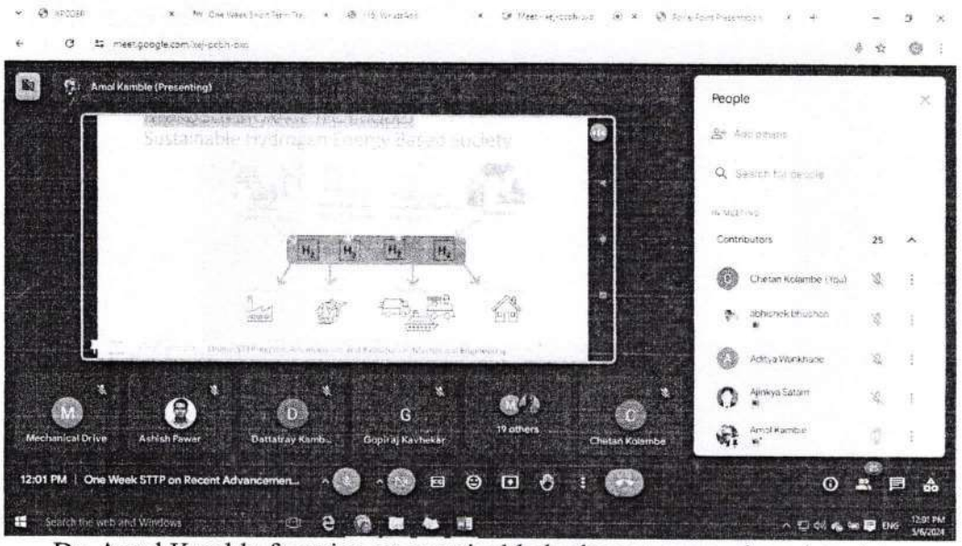
Report On STTP Attended By Faculty



Dr. Amol Kamble explaining about hydrogen storage techniques.



Dr. Amol Kamble focusing on sustainable hydrogen energy based society.

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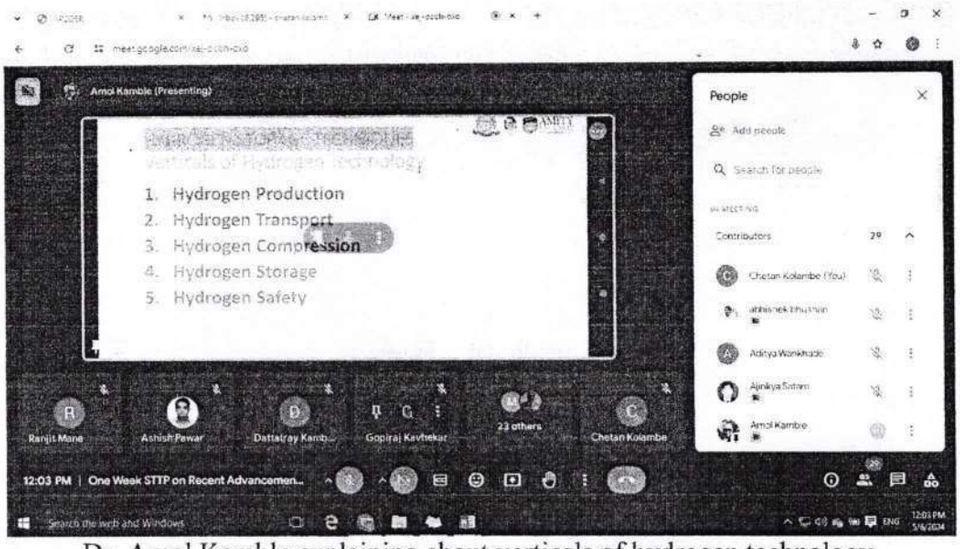
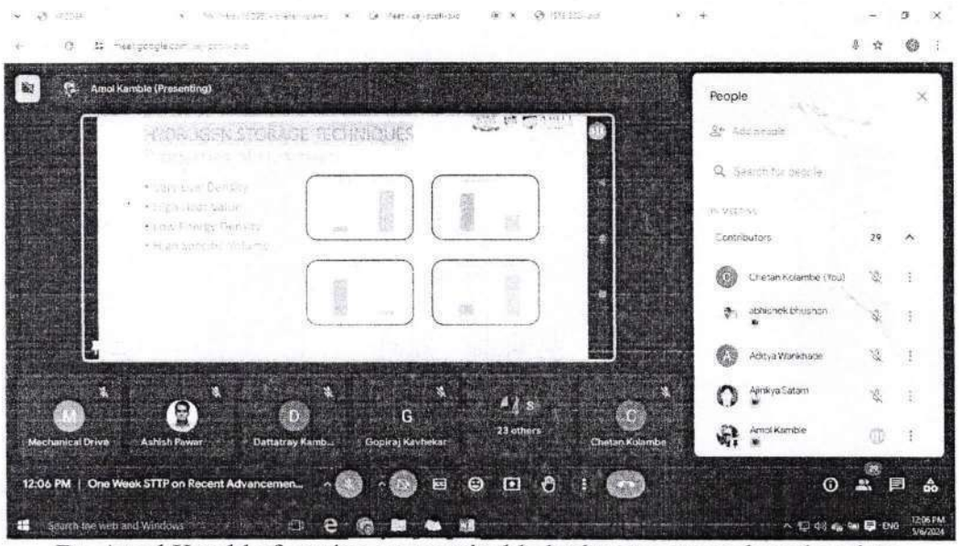
Report On STTP Attended By Faculty



Dr. Amol Kamble explaining about verticals of hydrogen technology.



Dr. Amol Kamble focusing on sustainable hydrogen energy based society.

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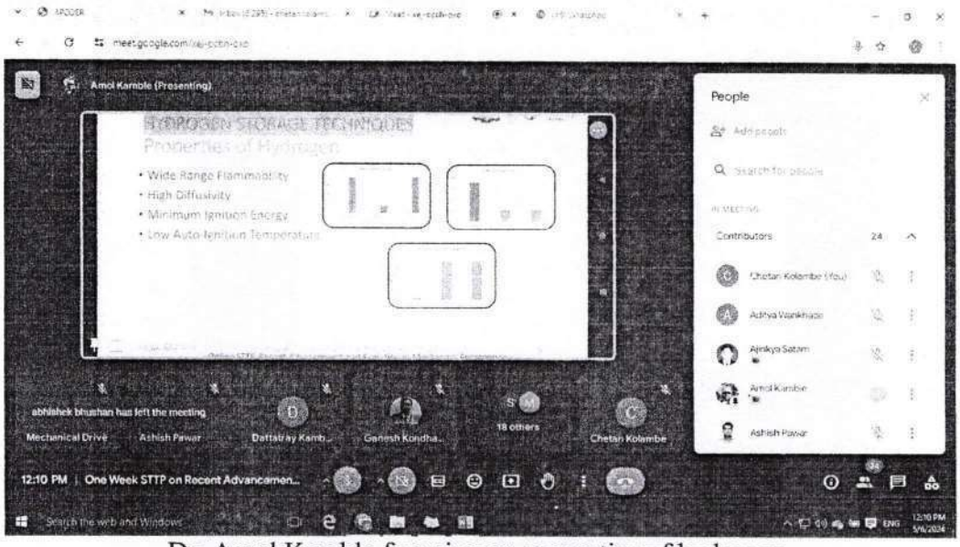
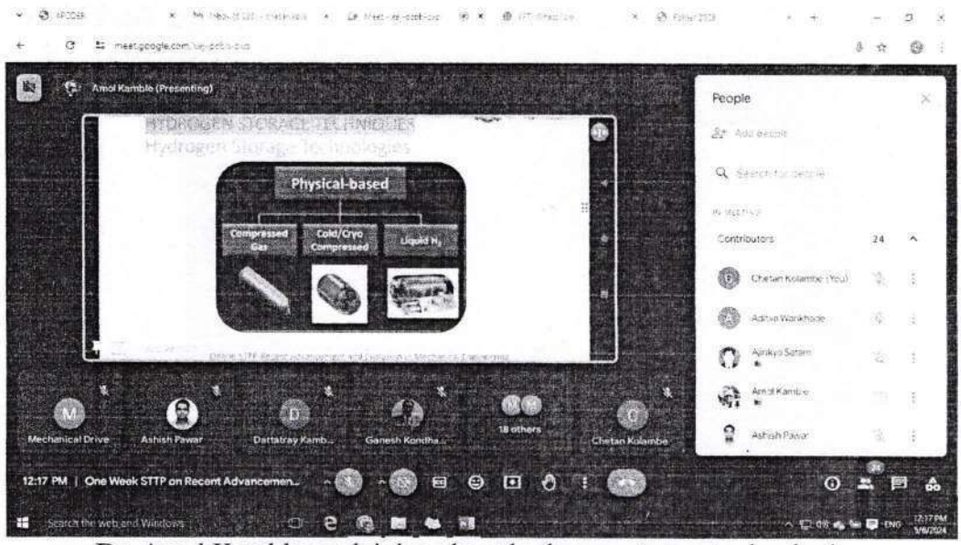
	Record No.: ACA/D/021B **Revision: 00** | **DoI: 02/01/2023**	

Report On STTP Attended By Faculty



Dr. Amol Kamble focusing on properties of hydrogen.



Dr. Amol Kamble explaining about hydrogen storage technologies.

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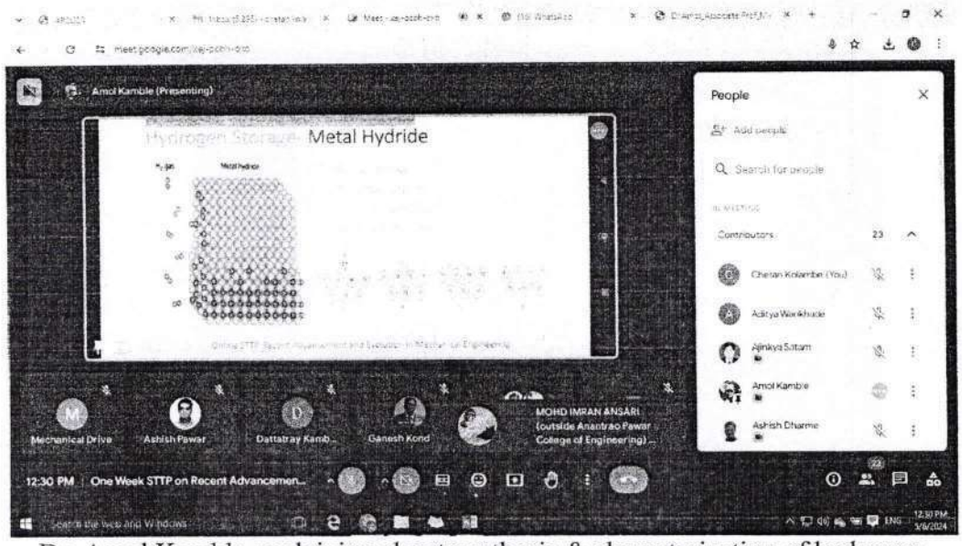
Session 2:



Dr. Amol Kamble explaining about synthesis & characterization of hydrogen.

Dr. Amol Kamble explaining about Arc Melting machine.

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	Akhil Bharatiya Maratha Shikshan Parishad's **Anantrao Pawar College of Engineering & Research**	
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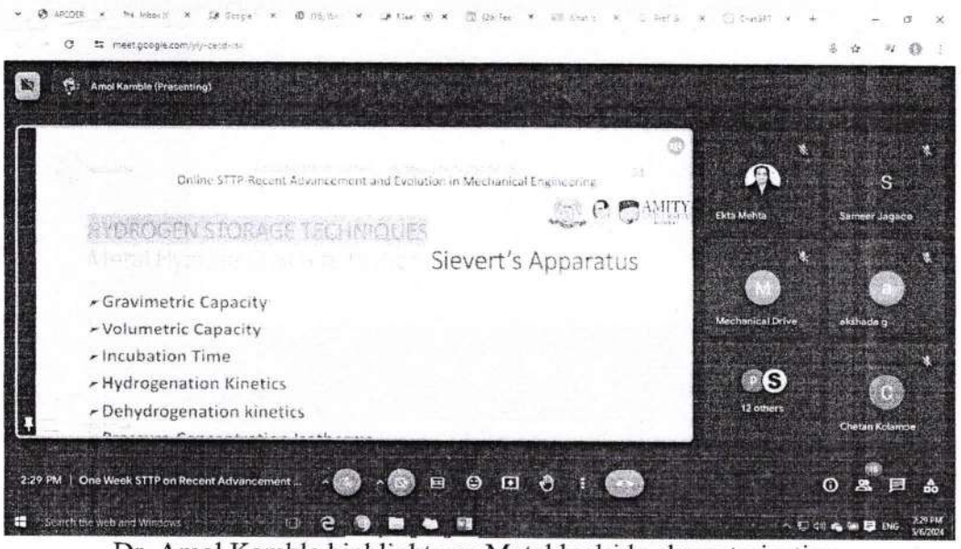
	Report On STTP Attended By Faculty	

Dr. Amol Kamble explaining about Ball milling machine.



Dr. Amol Kamble highlights on Metal hydride characterization.

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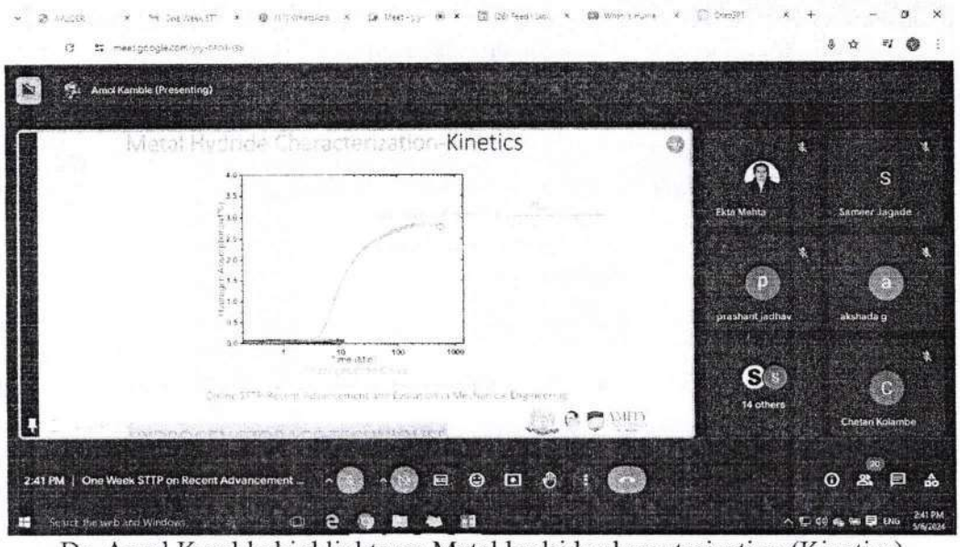
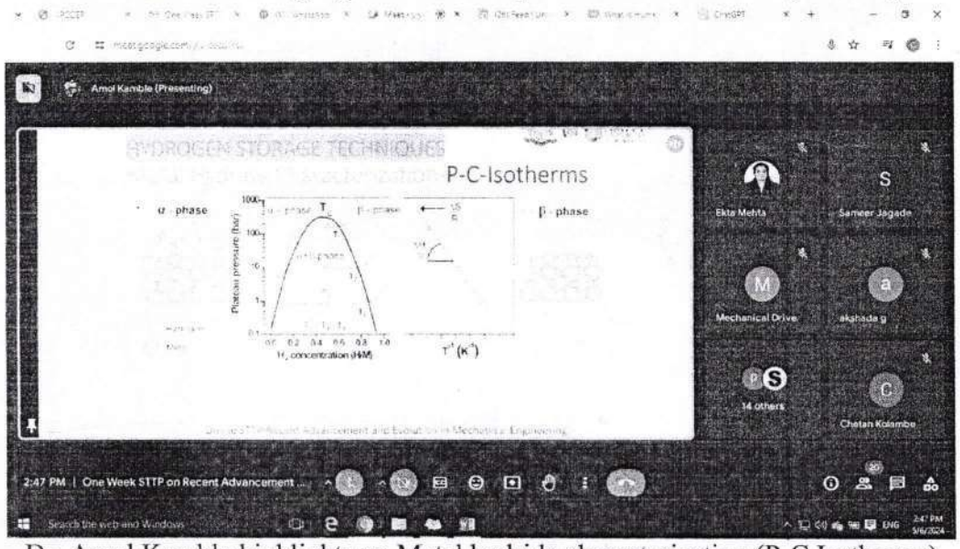
Report On STTP Attended By Faculty



Dr. Amol Kamble highlights on Metal hydride characterization (Kinetics)



Dr. Amol Kamble highlights on Metal hydride characterization (P-C Isotherms)

Date:

Name & Sign of Attendee

Head of Department

Anantrao Pawar College of Engineering & Research ★ Pune

Principal

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Savitribai Phule Pune University id : CEGP019670
ISO CERTIFIED

Ref.: APCOER/OFFICE/1294/2024

Record No.: **ACA/D/010**	Revision: **00**	DoI: **02/01/2023**

To,
Dr. Amol Kamble
Associate Professor,
Amity University, Maharashtra

Subject: Invitation for "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) **6th May 2024 to 10th May 2024".**

Respected Sir,
We are pleased to invite you to the One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering", scheduled from **6th May 2024 to 10th May 2024** at ABMSP's Anantrao Pawar College of Engineering & Research Parvati, Pune. It is our honor & privilege to invite you as a **Session Expert** on 6th May 2024.
All the participants would be eager to listen to the technical expertise of your topic.

Topic title	Session & Timing
Emerging Age of Renewable Energy.	Session 1 and Session 2 (Day 1) **Thursday 06/05/2024** **Time: 11:00 am to 01:00 pm** **& 02:00 pm to 04:00 pm**

We hope that you can accept this invitation and share your expert knowledge with all attendees. We look forward to a positive confirmation and hope that the attendees of this program will learn and gain insight from your shared experience.
Thanking You
Yours faithfully

Date: 12/04/2024

22/04/2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research Pune

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Savitribai Phule Pune University id : CEGP019670

Ref.: APCOER/OFFICE/129 4/2024

Record No.: **ACA/D/010**	Revision: **00**	DoI: **02/01/2023**

To,
Dr. K. H. Munde
Principal,
Rajarambapu Institute of Technology Polytechnic, Pune

Subject: Invitation for "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) **6th May 2024 to 10th May 2024".**

Respected Sir,
We are pleased to invite you to the One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering", scheduled from **6th May 2024 to 10th May 2024** at ABMSP's Anantrao Pawar College of Engineering & Research Parvati, Pune. It is our honor & privilege to invite you as a **Session Expert** on 7th May 2024.
All the participants would be eager to listen to the technical expertise of your topic.

Topic title	Session & Timing
Opportunities in Innovation & Entrepreneurship in Industries and Global Market.	Session 1 and Session 2 (Day 2) **Thursday 07/05/2024** **Time: 11:00 am to 01:00 pm** **& 02:00 pm to 04:00 pm**

We hope that you can accept this invitation and share your expert knowledge with all attendees. We look forward to a positive confirmation and hope that the attendees of this program will learn and gain insight from your shared experience.
Thanking You
Yours faithfully

Date: 18/04/2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research Pune

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Ref.: APCOER/OFFICE/294/2024

Record No.: **ACA/D/010**	Revision: **00**	DoI: **02/01/2023**

To,
Dr. S. K. Patil
Associate Professor,
College of Engineering and Technology, Akola

Subject: Invitation for "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) **6th May 2024 to 10th May 2024".**

Respected Sir,
We are pleased to invite you to the One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering", scheduled from **6th May 2024 to 10th May 2024** at ABMSP's Anantrao Pawar College of Engineering & Research Parvati, Pune. It is our honor & privilege to invite you as a **Session Expert** on 8th May 2024.
All the participants would be eager to listen to the technical expertise of your topic.

Topic title	Session & Timing
Recent Development & Application in Robotics & Automation.	Session 1 and Session 2 (Day 3) **Thursday 08/05/2024** **Time: 11:00 am to 01:00 pm** **& 02:00 pm to 04:00 pm**

We hope that you can accept this invitation and share your expert knowledge with all attendees. We look forward to a positive confirmation and hope that the attendees of this program will learn and gain insight from your shared experience.
Thanking You
Yours faithfully

Date: 18/04/2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research ★ Pune

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Ref.: APCOER/OFFICE/094/2024

Record No.: **ACA/D/010**	Revision: **00**	DoI: **02/01/2023**

To,
Dr. N. K. Khedkar
Deputy Director,
Symbiosis International, Pune

Subject: Invitation for "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) **6th May 2024 to 10th May 2024".**

Respected Sir,
We are pleased to invite you to the One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering", scheduled from **6th May 2024 to 10th May 2024** at ABMSP's Anantrao Pawar College of Engineering & Research Parvati, Pune. It is our honor & privilege to invite you as a **Session Expert** on 9th May 2024.
All the participants would be eager to listen to the technical expertise of your topic.

Topic title	Session & Timing
New Developments in 3D technology	Session 1 and Session 2 (Day 4) **Thursday 09/05/2024** **Time: 11:00 am to 01:00 pm** **& 02:00 pm to 04:00 pm**

We hope that you can accept this invitation and share your expert knowledge with all attendees. We look forward to a positive confirmation and hope that the attendees of this program will learn and gain insight from your shared experience.
Thanking You
Yours faithfully
Date: 18/04/2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

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Ref.: APCOER/OFFICE/194/2024

Record No.: **ACA/D/010**	Revision: **00**	DoI: **02/01/2023**

To,
Dr. P. R. Chitragar
Professor & Dean (Alumni Affairs),
VPKBIET, Baramati

Subject: Invitation for "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) **6th May 2024 to 10th May 2024".**

Respected Sir,
We are pleased to invite you to the One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering", scheduled from **6th May 2024 to 10th May 2024** at ABMSP's Anantrao Pawar College of Engineering & Research Parvati, Pune. It is our honor & privilege to invite you as a **Session Expert** on 10th May 2024.
All the participants would be eager to listen to the technical expertise of your topic.

Topic title	Session & Timing
Recent Trends & Scopes in Heating Ventilation and Air Conditioning System.	Session 1 and Session 2 (Day 5) **Thursday 10/05/2024** **Time: 11:00 am to 01:00 pm** **& 02:00 pm to 04:00 pm**

We hope that you can accept this invitation and share your expert knowledge with all attendees. We look forward to a positive confirmation and hope that the attendees of this program will learn and gain insight from your shared experience.
Thanking You
Yours faithfully

Date: 18/04/2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research ★ Pune

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Ref.: APCOER/OFFICE/ 1326 **/2024**

Letter of Thanks

To,

Dr. K. H. Munde

Principal,

Rajarambapu Institute of Technology Polytechnic, Pune

Respected Sir,

We would like to give our special thanks for sharing your experience & deliver session ,as Expertise on topic of **"Opportunities in Innovation & Entrepreneurship in Industries and Global Market"** for all attendees on 07th May 2024 in "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) from 6th May 2024 to 10th May 2024. Your thoughtful insights provided to all attendees with a deeper understanding of the Opportunities in Innovation & Entrepreneurship in Industries and Global Market. We are particularly grateful for the warm and professional atmosphere Provided during the session. Your involvement and clear communication in the event led to a positive engaging experience for all attendees. Thank you for your valuable time. We hope you will extent your co-operation in future.

Date : 07.05.2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research ★ Pune

AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S
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DTE CODE :- EN 6794, AISHE CODE :- C-41484
Savitribai Phule Pune University id : CEGP019670
Accredited By NAAC With 'A' Grade
ISO CERTIFIED
NAAC

Ref.: APCOER/OFFICE/ 1325 /2024

Letter of Thanks

To,
Dr. Amol Kamble

Associate Professor,

Amity University, Maharashtra

Respected Sir,

We would like to give our special thanks for sharing your experience & deliver session ,as Expertise on topic of **"Emerging Age of Renewable Energy"** for all attendees on 06th May 2024 in "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) from 6th May 2024 to 10th May 2024. Your thoughtful insights provided to all attendees with a deeper understanding of the Emerging Age of Renewable Energy. We are particularly grateful for the warm and professional atmosphere Provided during the session. Your involvement and clear communication in the event led to a positive engaging experience for all attendees. Thank you for your valuable time. We hope you will extent your co-operation in future.

Date : 06.05.2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare 06-5-24
Principal

Anantrao Pawar College of Engineering & Research ★ Pune

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NAAC

Ref.: APCOER/OFFICE/1329 /2024

Letter of Thanks

To,

Dr. P. R. Chitragar

Professor & Dean (Alumni Affairs),

VPKBIET, Baramati

Respected Sir,

We would like to give our special thanks for sharing your experience & deliver session ,as Expertise on topic of **"Recent Trends & Scopes in Heating Ventilation and Air Conditioning System."** for all attendees on 10th May 2024 in "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) from 6th May 2024 to 10th May 2024. Your thoughtful insights provided to all attendees with a deeper understanding of the Recent Trends & Scopes in Heating Ventilation and Air Conditioning System. We are particularly grateful for the warm and professional atmosphere Provided during the session. Your involvement and clear communication in the event led to a positive engaging experience for all attendees. Thank you for your valuable time. We hope you will extent your co-operation in future.

Date : 10.05.2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research ★ Pune

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Ref.: APCOER/OFFICE/ 1327 /2024

Letter of Thanks

To,

Dr. S. K. Patil

Associate Professor,

College of Engineering and Technology, Akola

Respected Sir,

We would like to give our special thanks for sharing your experience & deliver session ,as Expertise on topic of **"Recent Development & Application in Robotics & Automation."** for all attendees on 08th May 2024 in "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) from 6th May 2024 to 10th May 2024. Your thoughtful insights provided to all attendees with a deeper understanding of the Recent Development & Application in Robotics & Automation. We are particularly grateful for the warm and professional atmosphere Provided during the session. Your involvement and clear communication in the event led to a positive engaging experience for all attendees. Thank you for your valuable time. We hope you will extent your co-operation in future.

Date : 08.05.2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research ★ Pune

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Ref.: APCOER/OFFICE/1328 /2024

Letter of Thanks

To,

Dr. N. K. Khedkar

Deputy Director,

Symbiosis International, Pune

Respected Sir,

We would like to give our special thanks for sharing your experience & deliver session ,as Expertise on topic of **"New Developments in 3D Technology."** for all attendees on 09th May 2024 in "One Week Short Term Training Programme (STTP) on "Recent Advancement and Evolution in Mechanical Engineering" in association with ISTE. (Online) from 6th May 2024 to 10th May 2024. Your thoughtful insights provided to all attendees with a deeper understanding of the New Developments in 3D Technology. We are particularly grateful for the warm and professional atmosphere Provided during the session. Your involvement and clear communication in the event led to a positive engaging experience for all attendees. Thank you for your valuable time. We hope you will extent your co-operation in future.

Date : 09.05.2024

Dr. D. P. Kamble
Program coordinator &
Head, Mech Engg

Prof. G. E. Kondhalkar
IQAC Coordinator

Dr. S. B. Thakare
Principal

Anantrao Pawar College of Engineering & Research ★ Pune