**Hirwal Education Trust's College of Science (Computer Science and Information Technology), Mahad-Raigad, Maharashtra**
IQAC, Management and Commerce Departments
In collaboration with **Nucleus of Learning and Development**
Organizes online National Faculty Development Program on

Harnessing AI Tools: A Step towards Strategic Teaching Approach
3 to 8 November 2025 (Time: 8:00pm to 9:00pm)
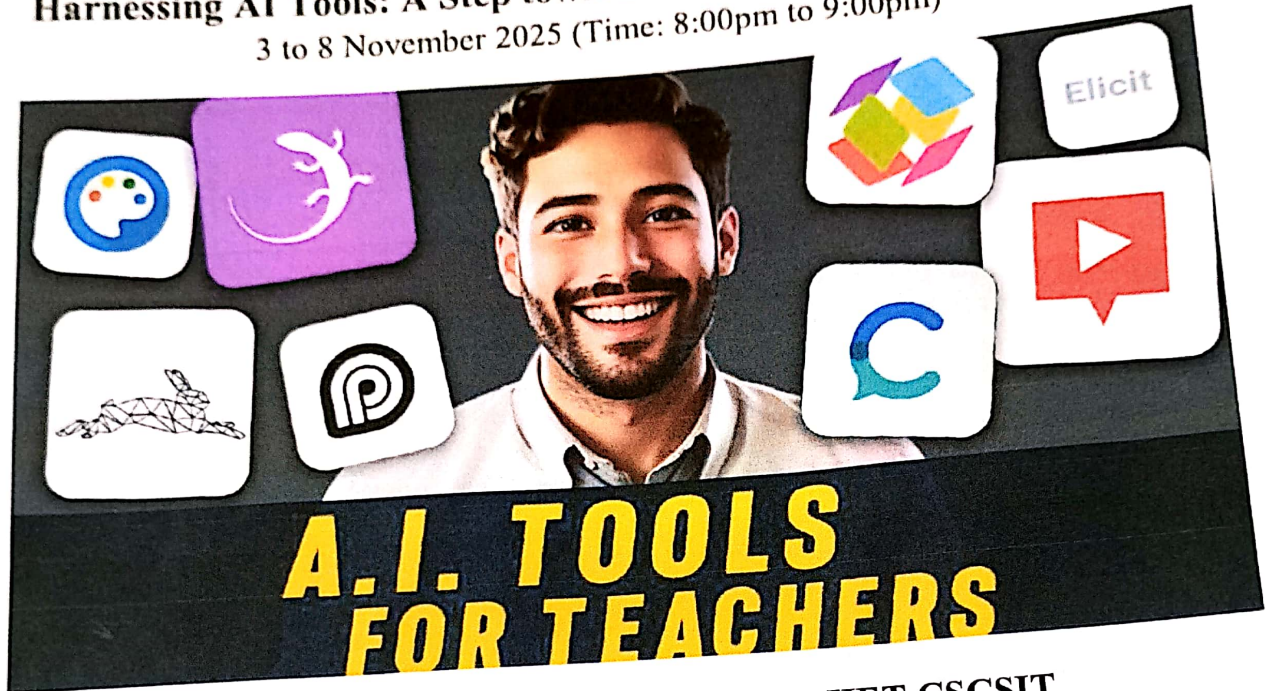
Organizing Committee Members from HET CSCSIT
Patrons: Hon. Kishor C. Dharia and Hon. Sonali K. Dharia, (Director)
Dr. Sandhya Kulkarni (Chief Advisory)
**Convener:** Asst. Prof. Sudesh N. Kadam (I/c Principal)
Coordinator: Asst. Prof Jyothi Poojary (IQAC Coordinator)
Cocoordinator: Asst. Prof. Masooda Antule
Resource Person: Dr. Punit Pathak, Assistant Professor (English), Auro University, Gujarat

About the Organization: Hirwal Education Trust was founded with a single goal: to bring quality, affordable education in Science and tech to students who want to build a better future. The Trust was established to provide quality and affordable education in science and technology. Since its founding in 2009, the college has been affiliated with the University of Mumbai and has educated over 2,000 students. Recognized as one of the leading institutions in Raigad district, the college has continually expanded its courses, upgraded its infrastructure, and fostered a purpose-driven learning environment. Guided by the Trust's vision, it remains committed to offering practical, accessible, and future-ready education.
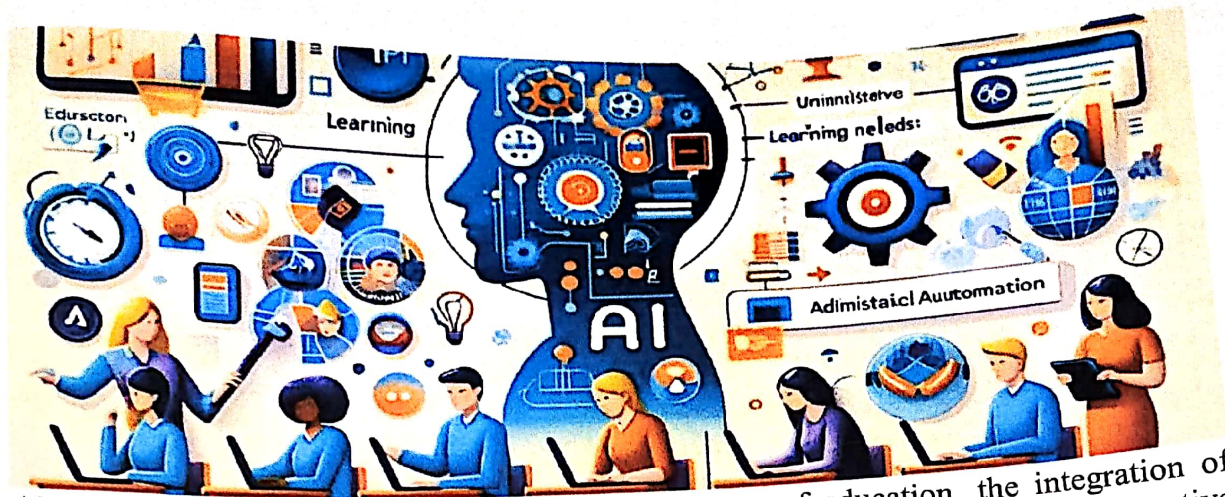
About the FDP: In the rapidly evolving landscape of education, the integration of technology has become imperative for keeping pace with the needs of a digitally native generation. One of the most transformative technologies in this regard is Artificial Intelligence (AI). Faculty Development Programs (FDP) on the use of AI in education have emerged as crucial initiatives to equip educators with the knowledge and skills to harness the potential of AI for enhancing teaching and learning. Faculty Development Programs focusing on the use of AI in education are indispensable for preparing educators to navigate the technology-driven future of learning. By equipping educators with the knowledge and skills to harness AI's potential, we can ensure that education remains relevant, effective, and engaging for the next generation of learners. These programs must be designed to address the unique needs and challenges of individual educational institutions and the educators they serve, enabling a successful integration of AI into the educational landscape.

Please note: E-Certificate of participation shall be provided within 10 days after completion of the program. Session recording shall be provided after few days.

Schedule of the FDP: (8:00pm to 9:00pm)

Date &Day	Topics
3 Nov'25 Monday	Artificial Intelligence and Teaching Learning
4 Nov'25 Tuesday	Pedagogies with AI Support
5 Nov'25 Wednesd	AI Tools for Education Planning and preparation
6 Nov'25 Thursday	AI Tools for Assessment and Grading
7 Nov'25 Friday	AI Tools for Rubrics and Applications
8 Nov'25 Saturday	Effective Teaching with Digital Education

Outcomes: Following are the outcomes of this FDP

1. Participants will gain a foundational understanding of artificial intelligence, including its history, key concepts, and terminologies.
2. Educators will be familiarized with current trends and practical applications of AI in the educational sector, supported by case studies and real-world examples.
3. Attendees will acquire basic skills in how they can apply AI in education via tee educational tools and platforms.
4. Educators will explore how AI can personalize learning experiences and improve assessment methods, leading to more effective and individualized student support.
5. The program will increase participants' awareness of the ethical and social implications of AI in education, ensuring they are equipped to use AI responsibly and fairly in their teaching practices.

Registration Link: https://forms.gle/w3cQdfYXUc99dWfw5

Registration Fees: Rs. 299/- (Last date 3 November 2025 till 7:45 pm; however, the registration may be closed if expected number is reached before time) (**only whatsapp on 9825547331** for any query)

Option 1: Account Details:
Name of the account Holder: Manjari Pathak, Account Number: 3448860717, Bank Name: Kotak Mahindra Bank, Branch: Vadodara - Tarshali
IFSC Code: IFSC: KKBK0000843
Option 2: UPI - manjaripathak786@axl
Option 3: Account Details: Name of the Account Holder: Urvishaben J Kathwadia, Account Number: 027201000026634, Bank Name: Bank of Baroda, IFSC code: BARB0KOSAMB (5th character is zero)

Option 2: Manjari Pathak

Hirwal Education Trust's
College of Science (Computer Science and Information Technology)
At-Mahad, Dist.-Raigad
(Affiliated to University of Mumbai)
NAAC Accredited with 'B+' Grade
ISO Certified 9001:2015

AISHE CODE C-34101

Estd. 2009
College Code: 924

Shri. Kishor C. Dharia
Chairman

Mr. Sudesh N. Kadam
I/C Principal

Mumbai – Goa Highway, Behind Dharia Petrol Pump, At-Chambharkhind, Post/Tal. - Mahad, Dist- Raigad Pin Code: 402301
Cell No. 9011768522 | Website: https://hirwaleducationtrust.com | Email: hirwaleducationtrust@rediffmail.com

A Report on Six-Days FDP on
Harnessing AI Tools: A Step towards Strategic Teaching Approach.

Date: 3rd November 2025 to 8th November
Time: 8:00 pm – 9:00 pm
Venue: Online Mode
Organized by: IQAC, Management and Commerce Department of Hirwal Education Trust's College of Science (CSIT) in Association with NLD.
Resource Person: Dr. Punit Pathak

Introduction:

The IQAC , Management and Commerce Department of Hirwal Education Trust's College of Science (CSIT), in collaboration with the Nucleus of Learning and Development (NLD), organized a **Six-days Faculty Development Programme (FDP)** on **"Harnessing AI Tools: A Step Towards Strategic Teaching Approach"**, through the **Google Meet Platform** and witnessed active engagement from **101** participants from across the country. The event began with a welcome address by **Mr. Sudesh Kadam**, followed by remarks from **Dr. Punit Pathak**, who emphasized the importance of integrating AI in teaching. The session aimed to equip educators with practical AI skills for effective lesson planning, assessment, and personalized learning

Objectives:

1. To help educators understand the role of artificial intelligence in transforming teaching and learning practices.
2. To enable participants to use AI tools effectively for lesson planning, content creation, and classroom engagement.
3. To develop skills for using AI-based platforms to assess and track student performance more efficiently.
4. To encourage teachers to adopt innovative, technology-driven approaches for personalized and inclusive learning.
5. To promote critical thinking and creativity in the integration of AI for academic and administrative tasks.
6. To foster a community of educators who collaborate, share, and implement AI-powered strategies in their institutions.

Detail Proceeding:

❖ The first day of the FDP began with an engaging session by **Dr. Punit Pathak**, who introduced participants to innovative AI tools for lesson planning and visual content creation. He started with **Napkin.ai**, a platform designed to create visually appealing infographics and simplify complex topics through clear visual representation. Dr. Pathak demonstrated how users can generate and customize visuals by adjusting styles, fonts, and colors, and explained collaboration features similar to Google Drive. He highlighted its ease of use, even for beginners, and showed how visuals could be downloaded in multiple formats like PNG, PDF, and PPT. He then introduced **Vox.ai**, an AI-based presentation tool that allows users to generate slides and add AI-driven voiceovers and avatars, making presentations more interactive and engaging. Participants learned about creating presentations from uploaded files or using keywords, along with customization and sharing options. Throughout the session, Dr. Pathak emphasized the ethical use of AI-generated content for teaching and learning purposes. The session concluded with an interactive Q&A, where participants clarified doubts about AI tools and their classroom applications.

❖ The second session focused on exploring Huristica, an innovative AI-powered learning platform designed to assist educators in concept mapping, idea generation, and lesson planning. Dr. Punit Pathak demonstrated how the platform allows users to create visual concept maps using prompts, organize topics through interconnected nodes, and utilize color-coding for clarity. He explained how Huristica automatically generates relevant information through "what" and "why" options, enabling the development of structured and comprehensive learning materials. Participants were guided on using the platform to generate lesson plans, study notes, quizzes, blogs, and essays directly from concept maps, significantly enhancing teaching preparation and resource creation. Dr. Pathak also showcased advanced features such as language translation, tone modification, and etymology tracing, emphasizing their usefulness in refining academic content. The session encouraged educators to adopt AI tools to improve content design, assessment, and learner engagement. It concluded with an interactive discussion and a demonstration of Gemini's "storybook" feature, which converts textual prompts into creative visual narratives, highlighting the potential of AI in making learning experiences more engaging and impactful.

❖ The third session focused on the integration of Google Gemini within Google Classroom under the Google AI Tools for Educators suite. Dr. Punit Pathak demonstrated how Gemini assists educators in lesson planning, instructional material creation, assessment design, student support, and administrative work. He explained the two types of options available—some working within Classroom and others redirecting to the Gemini portal. Dr. Pathak showcased the creation of a syllabus for a first-year MBA course in Business Communication, where Gemini generated a complete framework including course objectives, grading policy, and resources. He also demonstrated how to design lesson plans using general and 5E templates, emphasizing the importance of setting clear learning objectives. The session explored Gemini's ability to create rubrics, quizzes, and project ideas, such as analytical questions on Kafka's works and a quiz on Shakespeare's Hamlet. Participants learned how to export outputs to Google Docs and Sheets for classroom use. Dr. Pathak highlighted the Support Student feature for adjusting reading levels and translations to suit diverse learners. He concluded by demonstrating how Gemini can generate an entire four-unit course plan with outcomes, assessments, resources, and references, showcasing its value as a comprehensive academic tool.

❖ On the fifth day of the Faculty Development Program on "Harnessing AI Tools: A Step Towards Strategic Teaching Approach," Mr. Punit Pathak conducted an engaging and informative session focused on exploring two innovative AI-based educational platforms. He began by connecting the session to earlier discussions on Google Gemini and its integration with Google Classroom for creating tools, quizzes, and learning materials. Mr. Pathak then introduced the first platform, BriskTeaching.com, explaining that it operates as a Chrome extension designed to work with Google

...to simplify teaching tasks. He guided participants through the installation process and demonstrated its ability to generate syllabi, rubrics, lesson plans, and quizzes with a single prompt. He also addressed participant queries about installation methods and compatibility, clarifying that while mobile access is possible, desktop usage offers smoother functionality. Mr. Pathak showcased how the platform can instantly convert generated quizzes into Google Forms, complete with questions and answer keys, enhancing teachers' productivity. Following this, he introduced Google's Notebook LM, an AI-powered research assistant that helps educators analyze uploaded content such as articles, PDFs, and videos. He demonstrated how the tool can summarize information, generate quizzes, and create study guides using the uploaded sources.

Mr. Pathak further highlighted interactive features such as flashcards, mind maps, and AI-generated reports that make teaching more dynamic and engaging. The session concluded with participants expressing appreciation for the practical insights shared and the valuable demonstration of tools that could transform their teaching experience.

❖ On the final day of the Faculty Development Program "Harnessing AI Tools: A Step Towards Strategic Teaching Approach," Mr. Punit Pathak conducted an engaging and insightful session introducing three innovative AI platforms — Corsible.io, Co-Grader, and TeacherShare.com. He began by demonstrating Corsible.io, a platform that automates course creation and enables self-paced learning for teachers and students. Using a topic like Business Communication, he showcased how the tool generates complete course outlines with units, quizzes, flashcards, and videos, allowing learners to monitor their progress effectively. Moving on, he presented Co-Grader, an AI-powered assessment tool that helps teachers evaluate descriptive and objective questions automatically. He explained how educators can design rubrics, upload assignments, and receive instant, data-driven feedback integrated with Google Classroom to analyse student performance.

In the later part of the session, Mr. Pathak introduced **TeacherShare.com**, a dynamic platform that empowers teachers to create lesson plans, case studies, and worksheets with the help of AI prompts. He highlighted its Canva-like editor for designing creative and interactive teaching materials, which participants found especially useful. The generated resources can be easily downloaded or shared, making it convenient to integrate them into classroom teaching. Toward the end, Mr. Pathak shared updates about feedback forms, certificates, and session recordings, followed by a short Q&A where participants clarified their doubts about using AI for writing, designing, and generating original content. The session concluded with participants expressing heartfelt gratitude for the valuable insights and practical demonstrations shared throughout the program.

Outcomes of the FDP

1. Participants acquired practical knowledge of utilizing various AI-based educational tools to enhance teaching and learning processes.
2. Faculty members learned to design innovative lesson plans, teaching materials, and assessment strategies using AI applications.
3. The program enabled educators to adopt a strategic and technology-driven approach to curriculum planning and classroom delivery.
4. Teachers gained insight into how AI can automate evaluation and feedback mechanisms, improving assessment efficiency.
5. Participants understood the role of AI in creating personalized and self-paced learning experiences for students.
6. The sessions enhanced educators' ability to integrate AI for content generation, concept mapping, and creative storytelling in their subjects.
7. The FDP encouraged collaborative learning and professional exchange of ideas among faculty members.
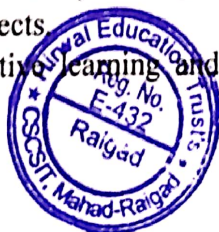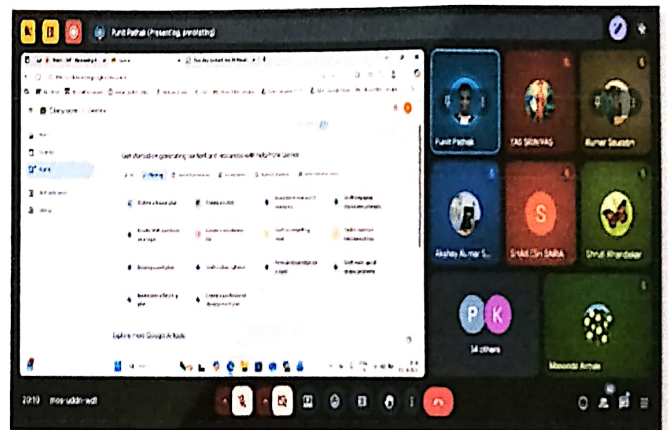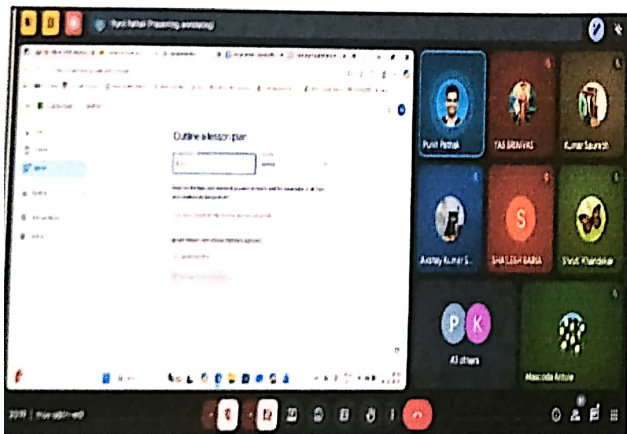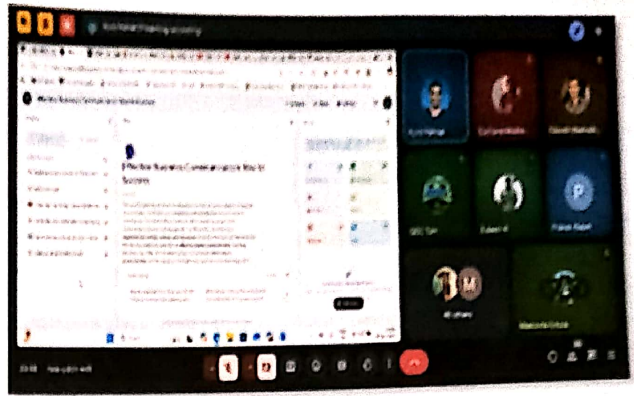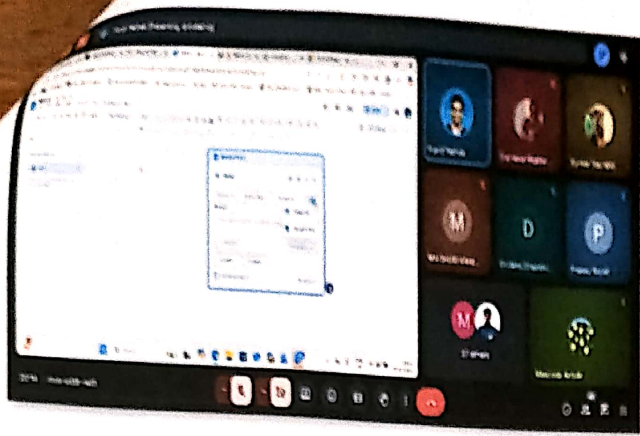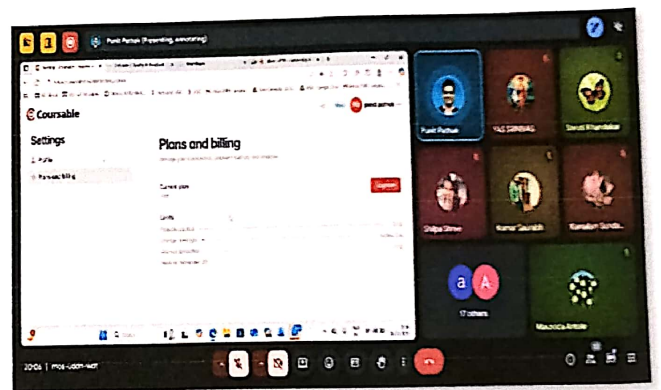
Glimpses of the FDP
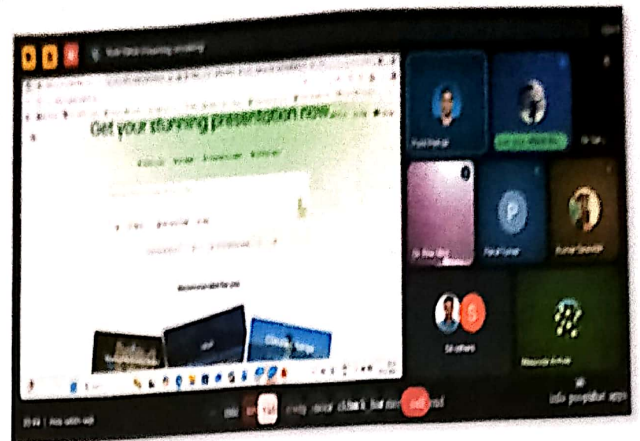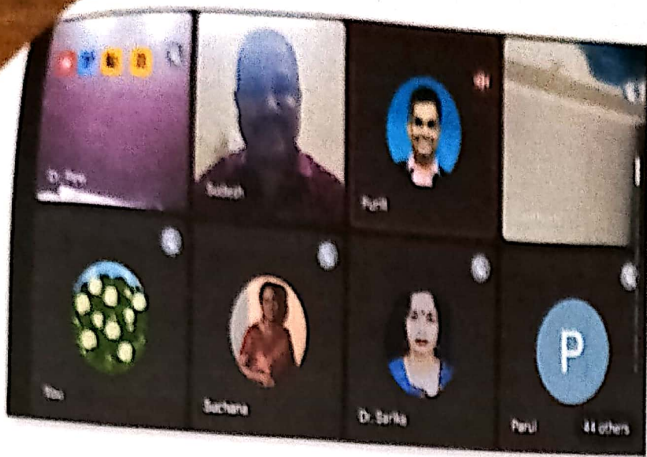
Day 2
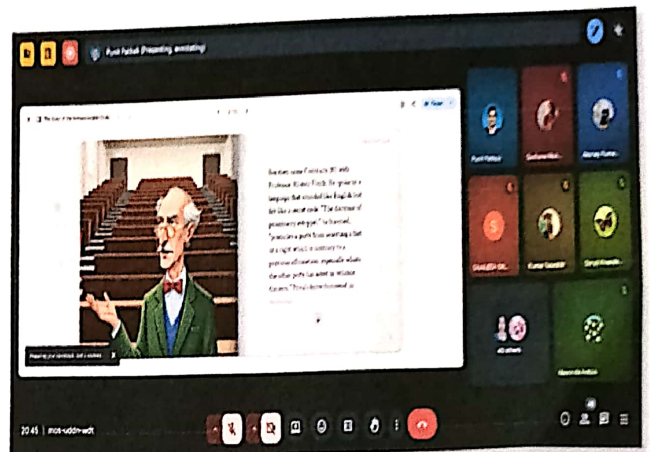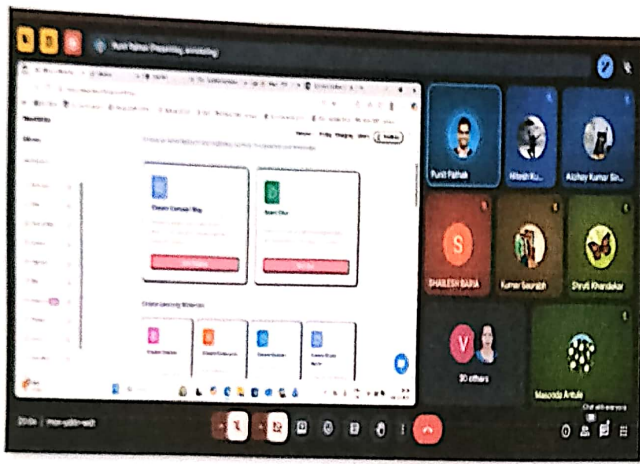
Day 3

Day 5

Conclusion: The session concluded with a vote of thanks proposed by Mrs. Jyothi Poojary, IQAC Coordinator. She expressed heartfelt gratitude to the resource person for his enlightening session and to all the participants for their active involvement. She also acknowledged the efforts of the organizing committee.
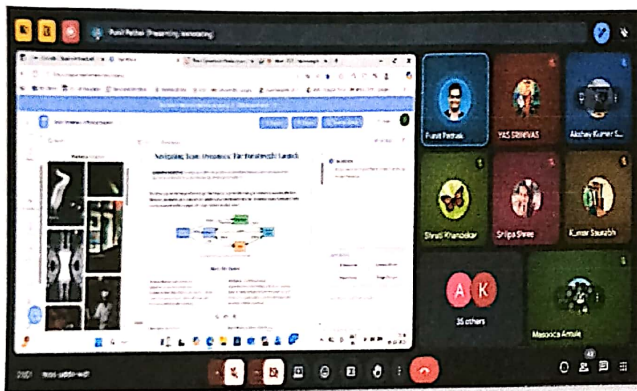
08-11-2025
Mrs. Jyothi Poojary
HOD Management Department

08-11-2025
Mr. Mandar Pingale
HOD Commerce Department

08-11-25
Mr Sudesh Kadam
I/C PRINCIPAL
Principal
Hirwal Education Trust's
College of Science (CS & IT)
Mahad - Raigad 402 301

List Of Participants

Name	Department, College, (and/or) University (write only the name that you require on certificate)
...abhi Sangal	School of Business and Management (UG), Christ University, Bangalore
...sadashiva Tandur	Christ (Deemed to be University)
DR.RUBY ROY	SATYAWATI COLLEGE EVENING,UNIVERSITY OF DELHI
Dr. Reenu Bansal	School of Business & Management (UG), Christ University, Bangalore
Ms. Ketaki Bhushan Shetye	Thakur Institute of Management Studies and Research
Dr. Sunita Shekhawat	Kanoria PG Mahila Mahavidyalaya Jaipur
Shilpa Shree	Media and communications
Dr Sarika Sharma	INMPG College Meerut, Uttar Pradesh, India
Dr. Madhumita Srivastava	Department of Zoology, Sunbeam College for Women, Varanasi
Mr. Siddharth satpathi	Department of Botany, J.K EDUCATIONAL INSTITUTE OF SCIENCE ARTS AND COMMERCE, Bilaspur chhattisgarh
Dr. Chandni Sharma	Department of commerce, JK EDUCATIONAL INSTITUTE OF SCIENCE ART'S AND COMMERCE, BILASPUR CHHATTISGAR
Mr. Pranav Tiwari	Department of Mechanical engineering, JK INSTITUTE OF ENGINEERING BILASPUR(C.G.)
Vibha Saraswati	Department of Geography, RGGC Chaura Maidan,Shimla-4
Honey Johnson	Navajyothi College, Cherupuzha
Parul Tomar	N.A.S. College Meerut Uttar Pradesh India affiliated with C.C.S. University Meerut Uttar Pradesh India
Dr. Vedha Surendra	Baldwin Women's Methodist College
Nunna.Anuradha	Dept.of Education,sri Padmavati mahila Visvidyalayam
Akshay Kumar Singh	Department of English, The Maharaja Sayajirao University of Baroda
DHANASELVAM J	EEE, Sri Krishna College of Technology, Coimbatore
Dr. Santhoshi Virala	Vivekananda Government College
K Praveena	Data Science, Institute of Aeronautical Engineering
Dr Hitesh Keserwani	Amity Business School, Amity University
Rinku Boro	Alhaz Sunai Bibi Choudhury College
Kumar Saurabh	Department of Philosophy, M U Bodhgaya
Deepika.D	Department of economics, Poornaprajna PU college.
Dr. Prakash G	Biomedical Engineering, Excel Engineering College
SUTAPA GARAI	Department of Education , Visva-Bharati
Dr. J.Mary Jenif	Sacred Heart College, Tirupattur
Shubha Sarkar	DoE, Vinay Bhavana, Visva-Bharati, Santiniketan
Dr Amita Kamat	JSPM University, Pune
Dr. Seema Rani Minz	Department of English, Giridih College, Vinoba Bhave University
Prasuna Kantamaneni	Vijaya Institute of Technology for Women
Muskan Tyagi	Gurukul kangri deemed to be university, Haridwar, Uttarakhand
SHAILESHKUMAR SURSINGBHAI BARIA	Government Commerce College Vadali, Dist : Sabarkantha
Varsha Raja Sumani	College
Mrs. Samidha Devendra Chandvekar	Changu Kana Thakur Art's Commerce and Science College New Panvel
Dasthagir N	PG Department of Studies in Education KUD
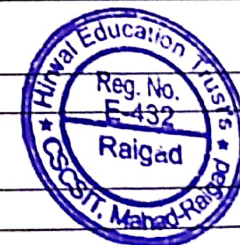
...ee Deepak Bhosale	Changu Kana Thakur College of Arts, Commerce and Science
...ADE MAHESH ...ADEO	K. E.S.Laxmi Shalini ACS Women's College Pezari Alibag District Raigad Maharashtra
...Manasi G Hande	Changu Kana Thakur Arts, Commerce and Science College,New Panvel (Autonomous)
Mary Jesintha Gregory	NA
CATHERENE NITHYA.S	Meston College of Education
S. Rajendran	Sacred Heart College Autonomous Tirupattur
Dr. Ajay Lalabhai Makwana	Department of English, Government Arts and Science College, Bavla, Ahmedabad
Vanitha	Mount Carmel College
Dr. Pew Maji	Department of Humanities, Rungta International Skills University, Bhilai
Dr. Mauli Vaishnav	Parul Institute of Ayurved, Parul University
Deepthi J	.
Dr. C. Jesintha Mary	St. Christopher's College of Education
M.B.Jyothi	MBA, Siddartha educational academy group of institutions (autonomous)
Dr Sunman Kaur	The Maharaja Bhupinder Singh Punjab Sports University, Patiala
VIRENDRAKUMAR M. THAKKAR	Computer Science and Engineering, GB Pant Institute of Engineering and Technology, Pauri Garhwal, Uttarakhand
SUBASH K	NVKSD COLLEGE OF EDUCATION,ATTOOR
YELLAPRAGADA A S. SRINIVAS	Dept. Of English, Govt. Degree College, TUNI, ANDHRA PRADESH
Dr. K. SHANTHI	PG & Research Department of English, Bishop Heber College, Trichy 620017
Dr Samudrala Prasantha Kumari	Government Institute of Chemical Engineering ,Visakhapatnam, Andhra Pradesh
Dr. Sarita Anand	Department of Education, Vinaya Bhavana, Visva-Bharati isva-Bharati
Dr Aditi Jha	Rachana Sansad College of Applied Art and Craft
SUCHANA MUKHERJEE	Research Scholar, EIILM-KOLKATA, Vidyasagar University
Mrs. Poorva Pratik Joshi	Dr. Babasaheb Ambedkar College of Arts, Science and Commerce, Mahad.
Annie Limiya V G	Department of English, Vellore Institute of Technology
Lt. Dr. B. Ajantha Parthasarathi	Research Department of English, Sri SRNM College, Sattur
Dr. Nilesh Shridhar Chavan	G. E. S's Arts, Commerce & Science College, Shreewardhan, Raigad
Dr Rajalakshmi Vel	Sri Ramachandra Institute of Higher Education and Research
Dr Sunman Kaur	The Maharaja Bhupinder Singh Punjab Sports University, Patiala
Mrs Kamalam Sundarrajan	Faculty,BCA & MCA ,Institute of Business Studies And Research ,CBD Belapur,Navi Mumbai
Dr. Aatam Parkash Sharma	Mittal School of Business, Lovely Professional University
Dr. Surbhi Ghai	Lovely Professional University
Tambade Kaustubh Kishor	Dept - computer science, CKT College , Mumbai University
Anushka Hanuman Sasar	Computer science, CKT, Mumbai
Thorat Omkar Dadabhau	Changu Kana Thakur arts, commerce and science college, New Panvel (Autonomous)
Ms. Priya Prabhakar Shenoy	Changu Kana Thakur Arts,Commerce and Science College,New Panvel (Autonomous)
Simran Bhambri	SIES College of Commerce and Economics(Autonomous)
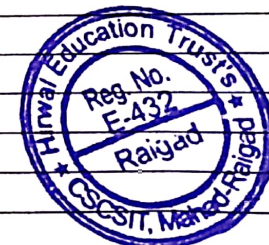
...ershwal	Vivek University, Bijnor
...avier	Department of English, Arul Anandar College (Autonomous)
...(Dr) S.A .Thameemul ...sari	Department of English , Brainware University. Kolkata
Prof. Samadhan Bapu Gumade	H.T.A.V.Deore Art's, Science & Commerce College Umarane
Mrs.Sonali Hitesh Raut	JBSP'S CHANGU KANA THAKUR ARTS COMMERCE and SCIENCE COLLEGE NEW panvel (empowered autonomous)
Haripandit Sopan Shirsath	Sinhgad Institute of Management Pune
Yuvnesh Kumar R J	Department of Commerce, Patrician College of Arts and Science
Dr. A. Peter Conisious Prabhu	Sacred Heart College, Tirupattur -635 602.

Collaborated College team members
Mr. Sudesh Nagu Kadam
Mr. Rakesh Suresh Wadvalkar
Mrs. Jyothi Vasant Poojary
Miss. Komal Kamlesh Gaikwad
Miss. Madhuri Satappa Kamble
Mrs. Tejashri Prashant Jadhav
Miss Hrujuta Vijay Vidwans
Miss.Nadkar Aarti Ashok
Mr. Mandar Vijay Pingale
Mrs. Monali Ramesh Dhanokar
Miss. Meenaz Hidayat Dhangu
Mrs. Varsha Vilas Nikam
Mr. Aman Girishchandra Gupta
Miss. Komal Shashikant Desai
Miss. Shruti Dinesh Khandekar
Miss. Hunain Shahnawaz Pevekar
Mr. Pranav Gajanan Bapat
Miss. Masooda Manzoor Antule
Miss. Mehvish Mansoor Antule
Miss. Afreen M. Isane

Scanned with OKEN Scanner