

REPORT

Association of Indian Universities- Vivekananda Global University-Academic and Administrative Development Centre

5 Days Online Faculty Development Program

on

“Enhancing Online Teaching and Learning” 23rd to 27th September 2024

The Faculty Development Program (FDP) titled "Enhancing Online Teaching and Learning" was a 5-day online event organized from September 23 to September 27, 2024, by the Association of Indian Universities in collaboration with Vivekananda Global University and the Academic and Administrative Development Centre.

Day 1 (Monday, September 23, 2024)

- **Inaugural Address (1:30 pm – 1:35 pm)**
Delivered by Mrs. Ranjana Parihar, Joint Secretary, AIU-AADC, marking the start of the FDP.

The Faculty Development Program (FDP) began with the Inaugural Address by Mrs. Ranjana Parihar, Joint Secretary, AIU-AADC. Mrs. Parihar welcomed the participants and emphasized the significance of such programs in enhancing academic and professional growth. She highlighted AIU-AADC's role in fostering innovation and collaboration in education, stressing the importance of continuous learning and development for faculty members. Her brief yet insightful remarks set the tone for the upcoming sessions, motivating participants to engage actively in the programs.

- **Session 1 (1:35 pm – 3:00 pm)**
Topic: "Components of Online Teaching and Learning"
Speaker: Prof. Dilip Barad, Prof. MKBU, Bhavnagar
Focus: Overview of essential elements in online education.

Moving with Day 1, Session I on September 23rd, Prof. Barad provided valuable insights into digital pedagogy, equipping participants with essential knowledge for effective online teaching. He comprehensively covered Digital Collaborative Learning (DCL), Learning Management Systems (LMS), Cognitive Networking Systems (CNS), and Bloom's Taxonomy.

Prof. Barad demonstrated how these concepts seamlessly integrate with hybrid classrooms and mixed-mode teaching, fostering engaging and interactive learning environments. Through his expert delivery, participants actively engaged, posing thoughtful questions and sparking meaningful discussions.

His session effectively bridged the gap between theory and practice, empowering educators to leverage technology for enhanced student outcomes.



- Session 2 (3:00 pm – 4:30 pm)**
 Topic: "Online Learning Environments"
 Speaker: Dr. Anubha Parashar, Research Scientist, Invincible Ocean
 Focus: Exploration of different online learning spaces and their impact on education.

Moving to Day 1, Session II on September 23rd, the focus shifted to Online Learning Environments. Dr. Parashar offered her invaluable expertise, enriching participants' understanding of digital tools for research and teaching. She guided them through innovative resources, illustrating how these tools enhance lesson planning, student interactions, course organization, and assessment strategies.

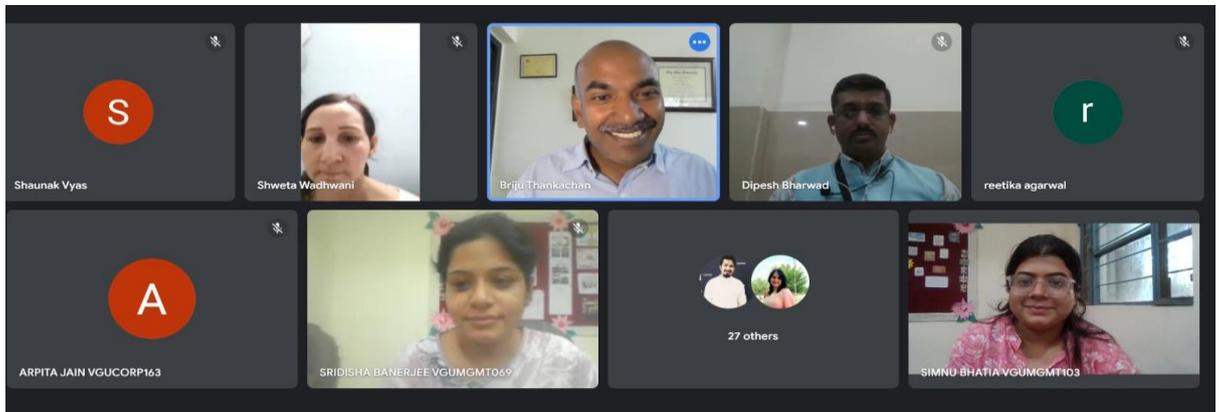
Additionally, Dr. Parashar highlighted their significance in academic research, facilitating collaboration, access to diverse materials, data analysis, and scholarly publishing. Her insightful presentation empowered educators to leverage technology, transforming teaching and research practices for optimal student outcomes and academic success.

Day 2 (Tuesday, September 24, 2024)

- Session 1 (1:30 pm – 3:00 pm)**
 Topic: "Basics of E-Content Development"
 Speaker: Mr. Brijju Thankachan, Executive Director, EdTech Society
 Focus: Introduction to creating educational content for online platforms.

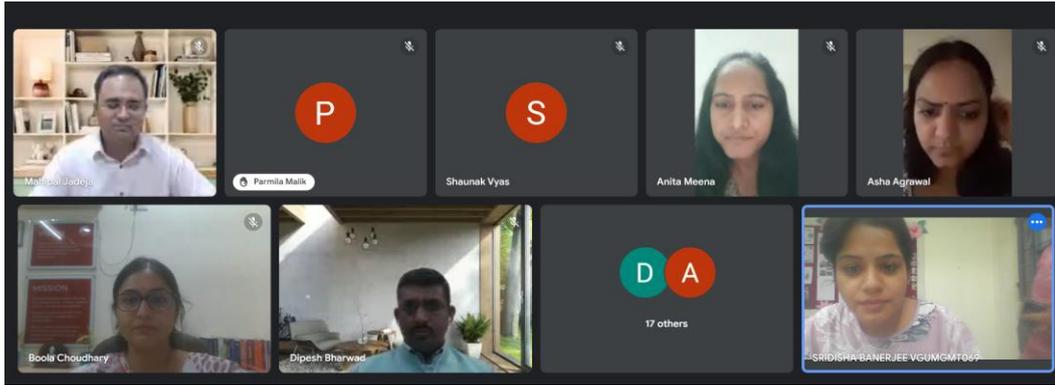
On Day 1, 24th September 2024, of the Faculty Development Program, the session 1 titled “Principles of Instructional Design for Online Course Design” comprised of various tools of Instructional and Online Course Design. Dr. Thankachan talked about Mayer’s 12 Principles, Instructional Analysis, Instructional Strategy and Evaluation. He has focused on teaching methods and factors influencing learning. He showcased Instructional Decision Model (IDM) by thoroughly explaining curriculum, instruction and assessment (formative and summative).

Dr. Thankachan has shared valuable insights on developing online course design. The session culminated with a vote of thanks and a group photograph.



- **Session 2 (3:00 pm – 4:30 pm)**
Topic: "Open Educational Resources (OER)"
Speaker: Dr. Mahipal Jadeja, MNIT, Jaipur
Focus: Utilization and benefits of open resources in teaching.

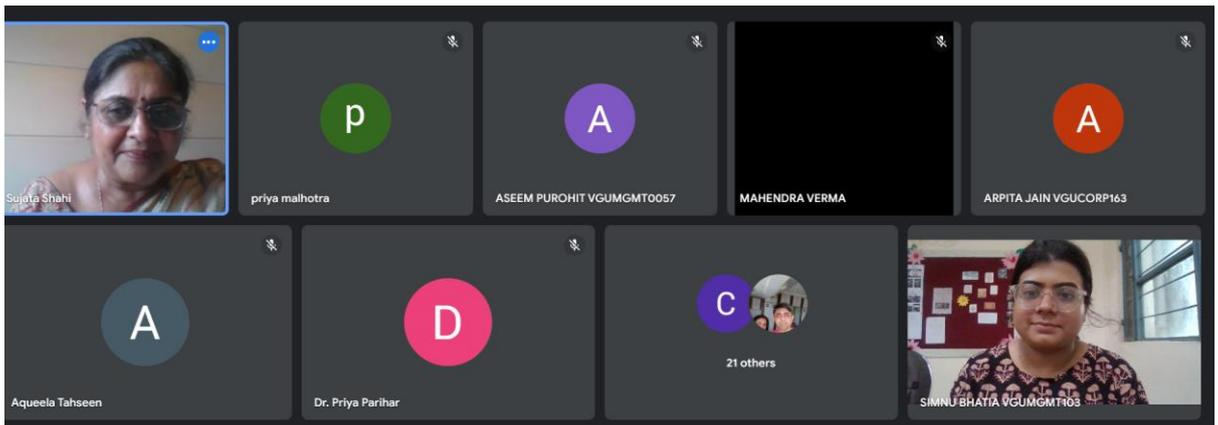
On Day 2, the Faculty Development Program, the session 2 topic titled “Open Educational Resources” comprised of various applications to enhance the student engagement in an effective manner. Dr. Jadeja explored different facades of ChatGPT by imparting knowledge on prompt engineering of ChatGPT. This provided an intense knowledge as to how to use ChatGPT effectively, efficiently and precisely. He showcased an application named humata.ai which can provide a summary, practice questions based on the document that has would be uploaded in this app. There are provision for multiple document uploading with which summaries depicting the referenced document are reflected. He emphasized on creating data authenticity through this feature in the app. Dr. Jadeja showed gamma app for effective content generation. Google classroom has been showcased as to how to effectively use google classroom to create a happy learning environment.



Day 3 (Wednesday, September 25, 2024)

- Session 1 (1:30 pm – 3:00 pm)**
 Topic: "Pedagogical Approaches to Online Learning"
 Speaker: Dr. Sujata Shahi, VC, IILMU, Gurgaon
 Focus: Effective teaching methods for online education.

Dr. Sujata Shahi, Vice Chancellor of IILMU, Gurgaon, delivered an insightful session on "Pedagogical Approaches to Online Learning." She emphasized the importance of interactive and student-centered teaching methods in online education to enhance engagement and learning outcomes. Dr. Shahi discussed various strategies, including the use of multimedia resources, collaborative projects, and real-time feedback to make virtual classrooms more effective. She focused on the need for flexibility in course design to cater to diverse learning styles and stressed the role of technology in personalizing education. The session concluded with practical tips for educators to foster an inclusive and dynamic online learning environment.



- Session 2 (3:00 pm – 4:30 pm)**
 Topic: "Integrating Technology in Teaching"
 Speaker: Dr. Akanksha Choudhary, IIT, Jodhpur
 Focus: Techniques for incorporating technological tools into teaching.

Moving to Day 3, Session II on September 25th, and the focus shifted to Integrating Technology in Teaching in this session. In today's session, Dr. Anushka Choudhary will delve into a variety of innovative tools designed to enhance online teaching and

learning experiences. Among the tools she will highlight is Elicit, a platform that aids in systematic literature reviews, empowering educators to support evidence-based teaching. ResearchRabbit will also be discussed, showcasing its capabilities in facilitating literature exploration and discovery. Dr. Choudhary will underscore the importance of Slido, which promotes real-time interaction, enabling educators to engage students actively during virtual classes. A key focus will be on language flexibility, which allows instructors to adapt their teaching methods to accommodate diverse linguistic backgrounds, thereby fostering an inclusive learning environment. The session will encourage open discussion, peer learning, and critical review, facilitating meaningful interactions among students and enhancing their collaborative skills. Dr. Choudhary will also explore how to cultivate a competitive classroom atmosphere that encourages academic excellence while promoting teamwork.

Moreover, the session will emphasize the significance of reflection and feedback in refining teaching practices and improving student outcomes. By integrating these strategies, educators will be better equipped to leverage technology, creating engaging and dynamic online learning experiences that foster student growth and development.



Day 4 (Thursday, September 26, 2024)

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| Session | 1 | (1:30 | pm | – | 3:00 | pm) |
| Topic: | "Synchronous | vs. | Asynchronous | | Learning" | |
| Speaker: | Dr. | Sadbhawana, | MNIT, | | Jaipur | |
| Focus: | Comparison of real-time and self-paced learning strategies. | | | | | |

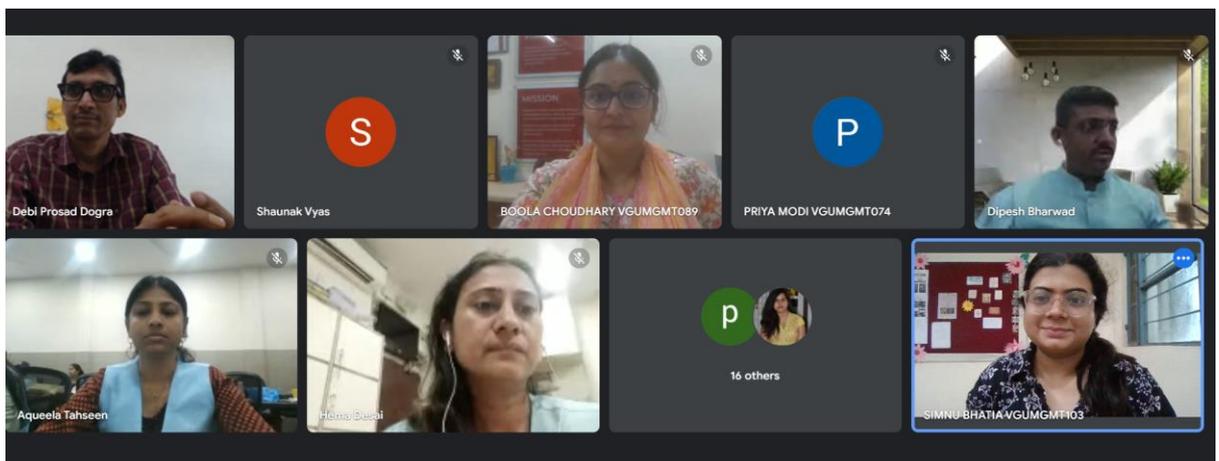
On Day 1, 26th September 2024, of the Faculty Development Program, the session 2 titled "Synchronous vs. Asynchronous Learning" Dr. Sadbhawana explored different facades of learning. Ma'am has also shared insights on types of Synchronous and Asynchronous Learning. She concluded that the blend of Synchronous and Asynchronous Learning is very much evident and none is better than the other. Dr. Sadbhawana has answered all the queries in a profound manner. Session culminated by a vote of thanks and a group photograph.



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| Session | 2 | (3:00 | pm | – | 4:30 | pm) |
| Topic: | "Gamification and Interactive Learning" | | | | | |
| Speaker: | Dr. DP Dogra, IIT, Bhuvaneshwar | | | | | |
| Focus: | Use of game-based methods to enhance student engagement. | | | | | |

Moving to Day 4, in session II, Prof. Dogra explored the exciting realm of Artificial Intelligence (AI) applications. He introduced participants to systems that mimic human-like interactions, such as conversational terminals.

Prof. Dogra showcased AI's impressive capabilities, including autonomous space exploration, Deep Blue's chess victory, driverless cars, language translation (Google Translate), robotic surgical assistants, and monitoring stock market trades for insider activity. By sharing these examples, Prof. Dogra demonstrated AI's potential to revolutionize teaching, making learning engaging, interactive, and fun through gamification.



Day 5 (Friday, September 27, 2024)

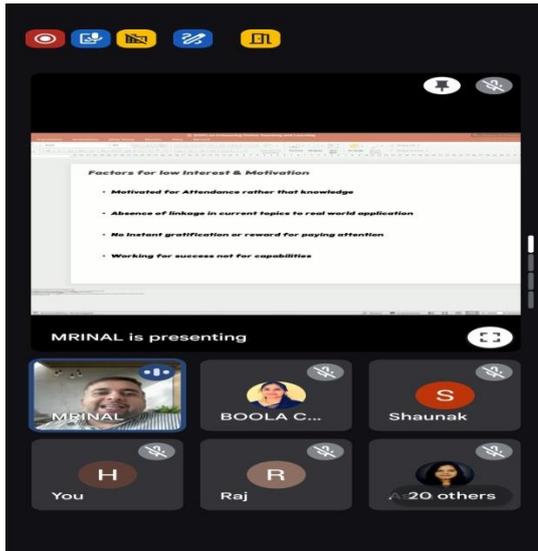
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|----------------|---|--------------|-----------|----------|-------------|------------|
| Session | 1 | (1:30 | pm | – | 3:00 | pm) |
| Topic: | "Designing Online Assessments" | | | | | |
| Speaker: | Dr. Swati Chawla, OP Jindal University, Haryana | | | | | |
| Focus: | Techniques for creating effective online evaluations. | | | | | |

Moving to Day 5, Session I & II on September 27th, and the focus shifted to Designing Online Assessments & Data Analytics for student's engagement and performance in these sessions. In today's session, Dr. Swati Chawla and Mr. Mrinal Nidhi provided valuable insights into enhancing student engagement and performance through innovative assessment strategies and data analytics. Dr. Chawla emphasized the need for assessments in a virtual environment to align with student learning objectives, ensuring accessibility and relevance. She introduced tools like Slido for interactive quizzes and real-time feedback, highlighting the importance of diverse assessment methods, such as critical reflections on films, to foster deeper comprehension.



- Session 2 (3:00 pm – 4:30 pm)**
 Topic: "Data Analytics for Student Engagement and Performance"
 Speaker: Mr. Mrinal Nidhi, Samco Securities Limited
 Focus: Using data analytics to monitor and improve student outcomes.

Mr. Nidhi followed by exploring the critical role of data analytics in addressing factors contributing to low student interest, such as curriculum relevance and support systems. He discussed strategies for leveraging analytics to identify individual learning patterns, encouraging collaboration between educators and students to tailor interventions that resonate with their interests. Both speakers addressed the broader question of preparing young adults for life beyond academics, emphasizing essential skills such as critical thinking, adaptability, and emotional intelligence. By integrating engaging assessments with data-driven insights, this session aimed to equip educators with actionable strategies to create inclusive learning environments that foster student growth and success in an ever-evolving world.



- **Exit Test (4:30 pm – 4:45 pm)** A concluding assessment to evaluate participants' learning throughout the FDP.

The event provided a comprehensive exploration of online teaching methodologies, integrating educational technology, and innovative strategies for engaging students in a virtual environment.