



# D Y PATIL INTERNATIONAL UNIVERSITY

Akurdi, Pune, Maharashtra, India

Website: [www.dypiu.com](http://www.dypiu.com)

(Established under Maharashtra Act No. LXIII of 2017)

## PROGRAMME SUMMARY

<b>Programme Title</b>	Five-Day Online FDP on “Digital Tools and Emerging Technologies for Teaching and Learning”
<b>Organized by</b>	Centre for Skill Development in association with Internal Quality Assurance Cell (IQAC), DYPIU
<b>Programme Type</b>	Faculty Development Programme
<b>Duration</b>	15 Hours
<b>Programme Date</b>	21/07/2025 to 25/07/2025
<b>Expert Details</b>	<ol style="list-style-type: none"><li>1. Dr. Vandna Srivastava, Assistant Professor, School of Interdisciplinary Studies and Research, D Y Patil International University, Pune</li><li>2. Ms. Gayathri Shri, Creative Director, Agreal Studios, Chennai</li><li>3. Mr. Ketan M Deore, Assistant Professor, School of Design, D Y Patil International University, Pune</li><li>4. Dr. Utpal Barman, Associate Professor, Department of Information Technology, Assam Skill University, Guwahati</li><li>5. Ms. Shruti Bir, Assistant Professor, School of Design, D Y Patil International University, Pune</li><li>6. Mr. Ajay Kumar Srinivasan, Program Director, Hero Vired, New Delhi</li><li>7. Dr. Neeraj Julka, Former Senior Software Engineer–R &amp; D, Quark Software Inc, Mohali</li><li>8. Dr. Divya Asija, Assistant Professor–III, Department of EEE, Amity University, Noida</li><li>9. Dr. Santanu Modak, Associate Professor and Dean–Research, Bengal College of Engineering and Technology, Durgapur</li><li>10. Dr. R. Rajkumar, Associate Professor, School of Computing, SRM Institute of Science &amp; Technology, Kattankulathur</li></ol>
<b>Mode</b>	Online
<b>Total Number of Participants</b>	External Participants–65 Other DYP Participants–43 DYPIU Participants–76 Total Participants– 184



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<b>Objectives</b>	<ol style="list-style-type: none"><li>1. To enhance faculty competence in using open-source digital tools for content creation, delivery, and learner engagement.</li><li>2. To familiarize educators with modern pedagogical approaches such as microlearning, flipped classrooms, gamification, and collaborative learning.</li><li>3. To equip faculty with skills for creating and managing interactive digital learning environments, including LMS, virtual labs, and AR/VR tools.</li><li>4. To introduce assessment and evaluation methods suited for online and blended education, using tools for analytics, feedback, and digital credentialing.</li><li>5. To promote the integration of emerging technologies such as Artificial Intelligence and digital portfolios into effective, learner-centered teaching practices.</li></ol>
<b>Learning Outcomes</b>	<ol style="list-style-type: none"><li>1. Participants gained practical skills in using open tools for screen recording, video editing, and interactive content creation.</li><li>2. They successfully designed and delivered engaging lessons using techniques such as flipped classrooms, microlearning, and game-based learning.</li><li>3. Participants explored and applied digital platforms for collaborative teaching, virtual simulations, and learning analytics.</li><li>4. They implemented online assessment tools and designed strategies for continuous evaluation and learner feedback.</li><li>5. Participants developed and curated digital credentials, badges, and e-portfolios to support competency-based learning outcomes.</li></ol>



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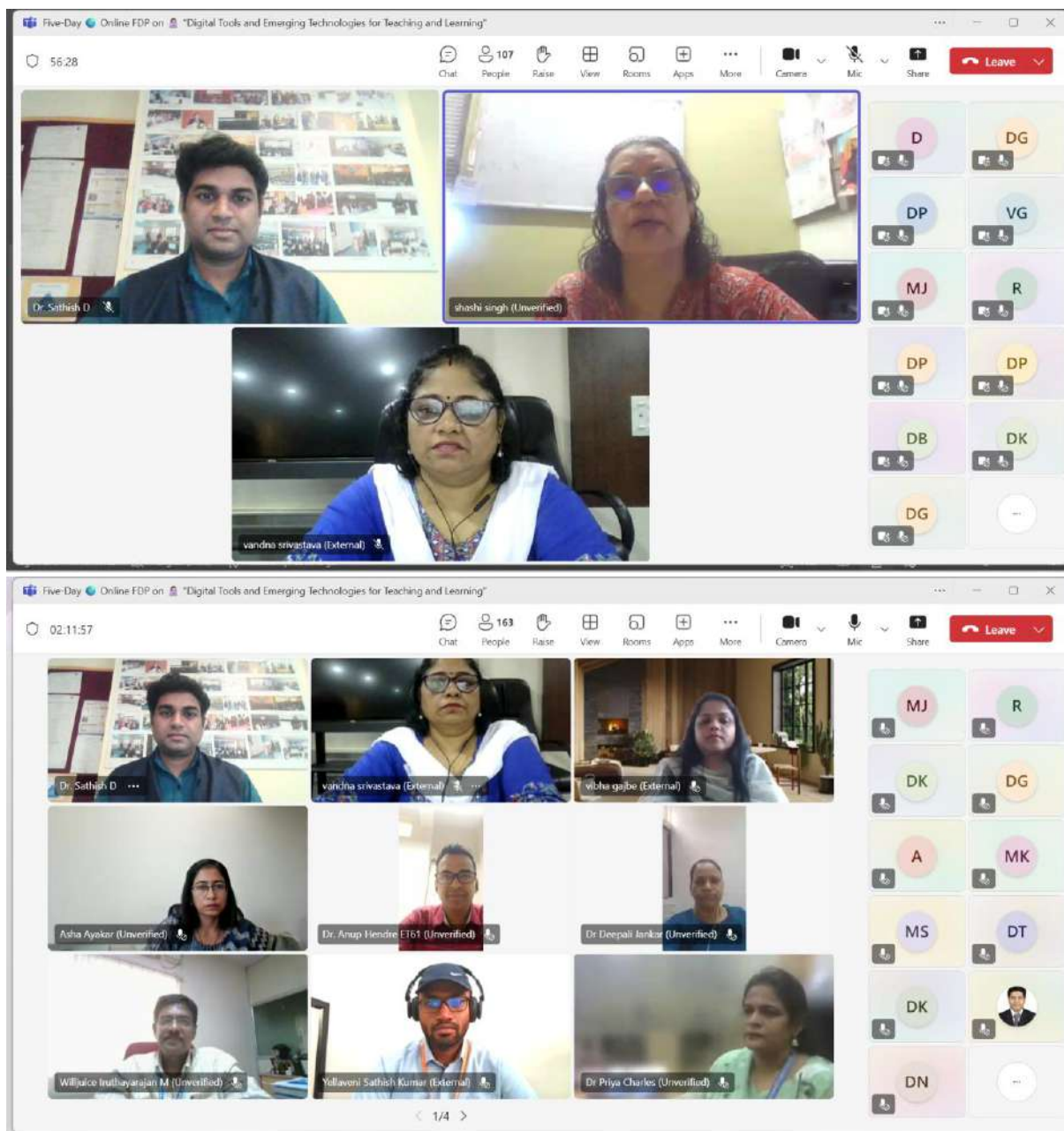
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## PHOTOGRAPHS

### Programme Title

Five-Day Online FDP on “Digital Tools and Emerging Technologies for Teaching and Learning”





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The image displays three sequential screenshots of a Zoom meeting interface, illustrating different stages of a virtual session.

**Top Screenshot:** The meeting title is "Five-Day Online FDP on Digital Tools and Emerging Technologies for Teaching and Learning". The time is 03:12:33. The main video window shows a participant, Gayatri Mohan (Unverified), in a 3D virtual environment with orange and green furniture. The right sidebar shows a list of participants: DT, DK, DC, MK, DR, DN, and DD.

**Middle Screenshot:** The time is 03:17:11. The main video window shows a 3D virtual environment with a grid floor and a sphere. The right sidebar shows a list of participants: MS, DC, DN, KD, RP, DS, VP, SJ, and DS.

**Bottom Screenshot:** The time is 03:50:46. The main video window shows a grid of multiple participants in a video conference. The participants are: Gayatri Mohan (Unverified), Manoj Kumar (External), Dr. Anitha Ramana (Unverified), Dr. Nilima Shinde (Unverified), Omkar Lele (External), Vihika Gajjar (External), Ravina Deshpande (Unverified), Pooja Sathish Kumar (External), and Dr. Arup Hensha ETG1 (Unverified).





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The image displays three sequential screenshots from a Zoom meeting titled "Five-Day Online FDP on 'Digital Tools and Emerging Technologies for Teaching and Learning'".

**Top Screenshot (36:32):** Shows a presentation slide titled "Open-Source Tools for Screen Recording". The slide lists three tools:

- 1. OBS Studio** (Windows, macOS, Linux)  
Type: Free & Open Source  
Best for: High-quality screen recording and streaming  
Website: <https://obsproject.com>
- 2. ShareX** (Windows only)  
Type: Free & Open Source  
Best for: Lightweight screen recording with automation  
Website: <https://getsharex.com>
- 3. ScreenRec\*** (Windows, Linux)  
Best for: Quick video + mic capture (with cloud sharing)  
Website: <https://screenrec.com>

The right sidebar shows a grid of participant avatars with initials: MJ, RG, DK, and DD.

**Middle Screenshot (01:20:26):** A close-up view of the presenter, Kirtan M. Deore (Unverified), speaking. The right sidebar shows the same grid of participant avatars.

**Bottom Screenshot (01:59:52):** A gallery view of the meeting showing multiple participants. The grid includes avatars for Dr. Sathish D., Kirtan M. Deore (Unverified), Mrs. Kanyas Shah (Unverified), Dr. Dnyanesh Sureshwar Jankar ET46 (Unverified), ET54 (Unverified), AZU (Unverified), Dr. Sarika Jadhav (Externally), Rachana Hatfulli (Externally), and Laxmanji Bhoir ET53 (Unverified). The right sidebar shows a larger grid of participant avatars with initials: DK, MP, NK, MJ, DP, DS, DW, and DN.



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The image displays three sequential screenshots of a Zoom meeting interface, illustrating a lecture on CS learning.

**Top Screenshot:** Shows a male presenter in a blue plaid shirt. The Zoom toolbar at the top indicates 140 participants. The meeting title is "Five-Day Online FDP on 'Digital Tools and Emerging Technologies for Teaching and Learning'".

**Middle Screenshot:** Displays a presentation slide titled "ENHANCE STUDENT MOTIVATION AND ENGAGEMENT". The slide lists four points:

1. Interactive tools turn CS learning from routine syntax practice into an engaging discovery process.
2. Trigger intrinsic motivation (problem-solving, challenge, creativity)
3. Add extrinsic motivation (leaderboards, gamification)
4. Before starting a lesson on data structures, use Mentimeter to ask: "What real-world problems can you solve with a stack or queue?"

The slide also includes a "Stop sharing" button and a status message: "Zoom Desktop Client is sharing your screen".

**Bottom Screenshot:** Shows a grid view of multiple participants in the Zoom meeting. The toolbar at the top indicates 111 participants. The meeting title remains the same.





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The image displays three sequential screenshots of a Zoom meeting interface. The top screenshot shows a woman with glasses and long dark hair speaking. The middle screenshot shows a presentation slide titled "Foundations of Successful Gamification" with a central diagram and a "Conclusion" section at the bottom. The bottom screenshot shows a man with a beard and headphones speaking. Each screenshot includes a Zoom toolbar at the top with icons for chat, people, raise hand, view, rooms, apps, more, camera, mic, share, and a red "Leave" button. The participant list on the right side of each window shows names like DT, MS, DB, MW, YK, DG, SA, and DD. The meeting title at the top of the Zoom windows is "Digital Tools and Emerging Technologies for Teaching and Learning".



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The image displays three screenshots of a virtual meeting interface, likely from a platform like Five-DAY Online FDP.

**Top Screenshot:** Shows a 3D virtual environment with a blue avatar in the center. The word "Guest" is displayed in the center. The interface includes a top bar with icons for Chat, People, Raise, View, Rooms, Apps, More, Camera, Mic, Share, and Leave. The bottom bar shows the time 03:06:49.

**Middle Screenshot:** Shows a grid of video feeds for various participants. The participants are labeled as Dr. Sathish D., Ajay Kumar (Unverified), Mr. Anuja Jagdale (Unverified), Harish Khair (Unverified), Rupali Gupta (Unverified), Wilfred Indrayogan M (Unverified), Raju Motorao (External), Dr. Deepali Sadashiv Jankar E146 (Unverified), and Sonuani Manal (Unverified). The interface includes a top bar with icons for Chat, People, Raise, View, Rooms, Apps, More, Camera, Mic, Share, and Leave. The bottom bar shows the time 03:36:08.

**Bottom Screenshot:** Shows a close-up of a participant's video feed. The participant is labeled as Nitesh Jalka (External). The interface includes a top bar with icons for Chat, People, Raise, View, Rooms, Apps, More, Camera, Mic, Share, and Leave. The bottom bar shows the time 10:41.





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Five-Day Online FDP on "Digital Tools and Emerging Technologies for Teaching and Learning"

01:33:49

Pop-out Chat People Raise View Rooms Apps More Camera Mic Share Leave

Generate - Google Chrome

AI/ML 11:07

Stalord Gosh-Premier Microsoft Teams Microsoft Edge

Generate

Generate a document on Artificial Intelligence

Cancel Generate outline

Outline

- 1. Understanding Artificial Intelligence: An Overview
  - Artificial intelligence (AI) is a branch of computer science that aims to create machines that can perform tasks that normally require human intelligence.
  - AI is used in a wide range of applications, from self-driving cars to recommendation systems.
  - AI is a rapidly growing field, and it is expected to continue to grow in the coming years.
- 2. Core Technologies Behind AI
  - Machine Learning (ML) is a subset of AI that focuses on creating models that can learn from data.
  - Deep Learning (DL) is a subset of ML that focuses on creating models that can learn from large amounts of data.
  - Computer Vision (CV) is a subset of AI that focuses on enabling machines to understand and interpret visual information.
  - Natural Language Processing (NLP) is a subset of AI that focuses on enabling machines to understand and generate human language.
- 3. Key Applications of AI Today
  - Recommendation systems (e.g., Netflix, Amazon)
  - Spam filtering and virus detection (e.g., Gmail)
  - Customer service chatbots
  - Medical diagnosis and treatment
  - Self-driving cars

0 boards total

Generate

Neeraj Jula (Unverified)

Five-Day Online FDP on "Digital Tools and Emerging Technologies for Teaching and Learning"

02:03:24

Chat 136 People Raise View Rooms Apps More Camera Mic Share Leave

Asha Aykar (Unverified)

Dr. Chandrashekar (Unverified)

Dr. Rajesh Gadhane (Unverified)

Savitri P. (External)

Mani Bhatnagar (Unverified)

Dr. Anitha (Unverified)

Rupali Gupta (Unverified)

Dr. Gokul Pratik Subhash (Unverified)

Lavanya Joshi E153 (Unverified)

DD RP AG MP PU DD DK MJ SG DS

Five-Day Online FDP on "Digital Tools and Emerging Technologies for Teaching and Learning"

02:03:41

Chat 136 People Raise View Rooms Apps More Camera Mic Share Leave

Dr. Nilima Shrivastava (Unverified)

Sri Gayatri Vedula (External)

Vibha Gajre (External)

Reema Deshmukh (Unverified)

Chandani S (Unverified)

Dr. Deepika Sankar (Unverified)

Rachana (Unverified)

Mayara Khansari (External)

DD RP AG MP PU DD DK MJ SG DS



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The screenshot displays a Zoom meeting interface. The main window shows a presentation slide titled "4. Analytics in Teaching | 3. Orange3 workflow for dropout prediction". The slide content includes a diagram of an Orange3 workflow: "File" -> "Data Table" -> "Selected Data - Data" -> "Tree" -> "Learner" -> "Test and Score" -> "Evaluation Results" -> "Confusion Matrix". The Zoom interface shows a grid of participants on the right, including SM, PU, DD, DK, MJ, SG, and DD. The bottom of the screen shows a grid of participants, including Dr. Sathish D., Dr. Divya Aulia (Unverified), Sankanti Maral (Unverified), Kunal das (Unverified), Aranya Chakraborty (Unverified), sangi Zambare (Unverified), Mr. Krishna Sawant (Unverified), Dr. Sadanish Sheke EP63 (Unverified), and Dr. Uddhav Kumbhar (Unverified). The Zoom toolbar at the top includes icons for Chat, People, Raise, View, Rooms, Apps, More, Camera, Mic, Share, and Leave.



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01:30:46

Chat People Raise View Rooms Apps More Camera Mic Share Leave

Santanu Modak (Unverified)

DM DS DS LE DP AC DD DD

01:41:18

Wayground

wayground.com/admin/activity/classroom/60021ac07de11d731b6b00c

Wayground

Themes Exit

Correct Incorrect Partially correct Ungraded Unattempted/Time out Show time taken Email all parents

Names	Score	Accuracy	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1. Lavanya	1070	55% (1 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2. Lak	1070	55% (1 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3. Oana	7750	45% (9 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4. Yashvi Sath...	7200	40% (8 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5. Rupali Gupta	6700	40% (8 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6. Taj	6320	35% (7 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7. Ananya Chakr...	6220	35% (7 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8. Dr Homi A.Dha...	5960	35% (7 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9. Dr Chandro Sa...	5490	30% (6 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10. Ananta Gupta	5360	30% (6 / 20 pts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

wayground.com is using your screen

Sakranta Modak (Unverified)

Wayground

01:51:13

Chat People Raise View Rooms Apps More Camera Mic Share Leave

Dr. Sathish D ... Santanu Modak (Unverified) Dr. Chandro Salazar (Unverified)

Shreya Saranya (Saravada) (Unverified) Willjuice Kuthayyan M (Unverified) Dr. Anitha (Unverified)

Dr. Sarika Jadhav (External) E158 (Unverified) Rupali Gupta (Unverified)

DM DS DS DP AC DD AB MP R RD PC





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