



**FIVE - DAY
ONLINE
FACULTY DEVELOPMENT PROGRAM
ON
DIGITAL TOOLS FOR EDUCATORS**

ORGANISED BY

AIU-AKU-ACADEMIC AND ADMINISTRATIVE DEVELOPMENT CENTRE
ARYABHATTA KNOWLEDGE UNIVERSITY PATNA

DATE

24TH, 25TH, 26TH, 28TH & 29TH APRIL, 2025

VENUE

ONLINE

Aryabhata Knowledge University, Patna
Five-Day Online Faculty Development Programme on
DIGITAL TOOLS FOR EDUCATORS
24TH, 25TH, 26TH, 28TH & 29TH APRIL, 2025

Five-Day Faculty Development Programme on
DIGITAL TOOLS FOR EDUCATORS
 Organised by
AIU-AKU-ACADEMIC & ADMINISTRATIVE DEVELOPMENT CENTRE
Aryabhata Knowledge University, Patna

DISTINGUISHED PRESENCE



Mr. MUKUT SARMA
 HEAD TRAINER & DEVELOPER
 Digifoxlabs Pvt Ltd.



Prof. SHARAD KUMARYADAV
 Hon'ble Vice Chancellor
 Aryabhata Knowledge University
 Patna



Ms. LALITA MUTREJA
 Asst. Prof.
 Narsee Monjee College of Commerce
 and Economics, Mumbai

RESOURCE PERSONS



Mr. GANESH LOKHANDE
 PROFESSOR OF PRACTICE
 Yashwantrao Chavan Maharashtra Open University &
 FOUNDER & DIRECTOR
 Vcan Digital Solutions

CONVENOR
Dr. MANISHA PRAKASH
 COORDINATOR, AIU-AKU-ACADEMIC & ASST. PROFESSOR
 School of Journalism and Mass Communication
 Aryabhata Knowledge University, Patna

ED-COCONVENOR
Dr. SANDEEP KUMAR DUBEY
 CONSULTANT
 School of Journalism & Mass Communication
 Aryabhata Knowledge University, Patna

TIME 12:30 PM onwards

DATE 24 April, 2025

ABOUT THE UNIVERSITY

The Aryabhata Knowledge University, Patna was established by the Government of Bihar through the Aryabhata Knowledge University Act, 2008 [Bihar Act 24 of 2008]. The Aryabhata Knowledge University (Amendment) Act, 2021 provides to establish and incorporate a University to achieve excellence in teaching, to promote and augment research in Professional Education and new frontiers of learning and knowledge and to conduct and facilitate affiliation of institutions set up by the State Government or Trust or Society in the fields of Nanotechnology, Astronomy, Environmental Science and Climate Change, River Studies, Economics, Journalism and Mass Communication, Geographical Studies, Non-Conventional Energy, Art and Culture, Philosophy, Stem Cell Technology and others. The University has achieved significant progress on all fronts without exception. The University is committed to providing access to quality education for better employability rate. The University continues to foster a culture of research and innovation pushing the boundaries of knowledge across various domains.

ABOUT THE AIU-AKU-ACADEMIC & ADMINISTRATIVE DEVELOPMENT CENTRE

The Aryabhata Knowledge University, Patna has been recognized as the Academic & Administrative Development Centre (AADC) of the Association of Indian Universities (AIU) in 2024. The centre aims to enhance the quality of higher education by providing continuous learning and skill development opportunities for faculty, administrative staff, and other stakeholders. AADC offers short-term programs, primarily through online and in-person modes, covering a wide range of topics relevant to the evolving needs of higher education.

Programme Overview: In today's time, only traditional techniques are no longer effective for teaching students. Today it is important for teachers to have knowledge about modern technology. Due to this, better results can be seen not only in teaching but also in research. Many digital tools useful from the point of view of teaching and research work are being used. Now is the time for teachers to spread the light of their knowledge to the whole world with the help of modern technology. The NEP 2020 also advocated Technology Enabled Learning. With this objective, a five-day Faculty Development program was organized by the AADC at Aryabhata Knowledge University. Participants from all parts of the country including Bihar, Jharkhand as well as neighbouring countries participated in this program organized through online medium.

Number of Participants: Over fifty (50) faculty members from various disciplines in higher education institutions across India attended the programme in online mode.

Objectives:

- To equip faculty members with the necessary digital skills and knowledge to enhance their teaching practices.
- To explore the effective integration of digital tools into the curriculum.
- To foster a collaborative and innovative learning environment for both educators and students.
- To provide hands-on training on digital content creation and learning management systems.
- To introduce innovative teaching strategies and methods that leverage digital tools.
- To promote the use of digital tools for personalized and inclusive education

Date: 24TH, 25TH, 26TH, 28TH & 29TH APRIL, 2025

Schedule		
Days	Topic/s	Resource person
24 th April	Introduction to Digital Tools in Education, Basics of Learning Management Systems (LMS). Learning Management System - Moodle, Google Classroom, Canvas, Blackboard, Prezi	Mr. MUKUT SARMA Head trainer and developer Digifoxlabs Pvt Ltd.
25 th April	Creating Interactive Learning Materials, Video Creation and Editing for Educators, Screen casting and Recording Software	DR. LALITA MUTREJA, Asst. Prof. , Narsee Monjee College of Commerce and Economics, Mumbai.

26 th April	Digital Tools for Class Room Engagement: Kahoot, Padlet, Nearpod, Flipgrid, Socrative; Tools For video Conferencing & Virtual Class: Zoom, Microsoft Teams, Edmodo; Collaboration & Communication Tools: Trello, Slack	Mr. MUKUT SARMA Head trainer and developer Digifoxlabs Pvt Ltd.
28 th April	Digital Assessment Tools, Feedback and Grading Tools: Turnitin, Quizlet, Gradescope, Google forms; Video Creating and Editing: Camtasia, OBS, Studio; Screen Casting Tools: Screencast-O-Matic, Loom; Research Management: Mendeley, Zotero	Mr. MUKUT SARMA Head trainer and developer Digifoxlabs Pvt Ltd.
29 th April	Data Visualization Tools & AI Tools: Tableau, Power BI, Orange Data Mining, Teachable Machine, Socratic by Google, Quill Bot, Math Solver, My study Life, Khanmingo, Photomath, Otter.ai, Forest	Mr. MUKUT SARMA Head trainer and developer Digifoxlabs Pvt Ltd.

Inaugural Session (April 24th, 2025)

In the inaugural session, Dr. Manisha Prakash, Coordinator, AIU-AKU-AADC, Aryabhata Knowledge University, Patna, the convener of the programme, welcomed the keynote speaker and the participants. She introduced the programme and mentioned its objectives. In her welcome address, she said that in today's time, better teaching cannot be done without the knowledge of modern technology. Also, it is not possible to do research work without the knowledge of latest technology and tools. The session was coordinated by the Co-Convenor Dr. Sandeep Kumar Dubey Consultant, School of Journalism & Mass Communication, Aryabhata Knowledge University, Patna.




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Ms. LALITA MUTREJA
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 and Economics, Mumbai

CONVENOR
Dr. MANISHA PRAKASH
 COORDINATOR, AIU-AKU-AADC & ASST PROFESSOR
 School of Journalism and Mass Communication
 Aryabhata Knowledge University, Patna

CO-CONVENOR
Dr. SANDEEP KUMAR DUBEY
 CONSULTANT
 School of Journalism & Mass Communication
 Aryabhata Knowledge University, Patna

TIME 12:30 PM onwards

DATE 24 April, 2025

DAY -1 (THURSDAY 24 APRIL, 2025)

Five-Day Faculty Development Programme on
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Aryabhata Knowledge University, Patna
Mr. GANESH LOKHAND
PROFESSOR OF PRACTICE
Yashwantrao Chavan Maharashtra Open Univer
FOUNDER & DIRECTOR
Vcan Digital Solutions
DATE 24 April, 2025
TIME 12:30 PM onwards

TOPIC

- ❖ Introduction to Digital Tools in Education,
- ❖ Basics of Learning Management Systems (LMS)
- ❖ Learning Management System - Moodle, Google Classroom, Canvas, Blackboard, Prezi

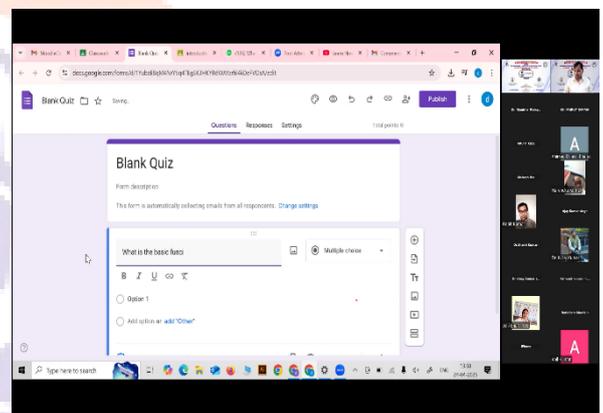
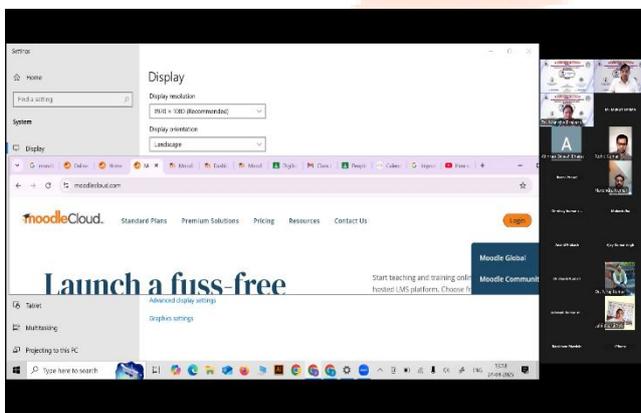
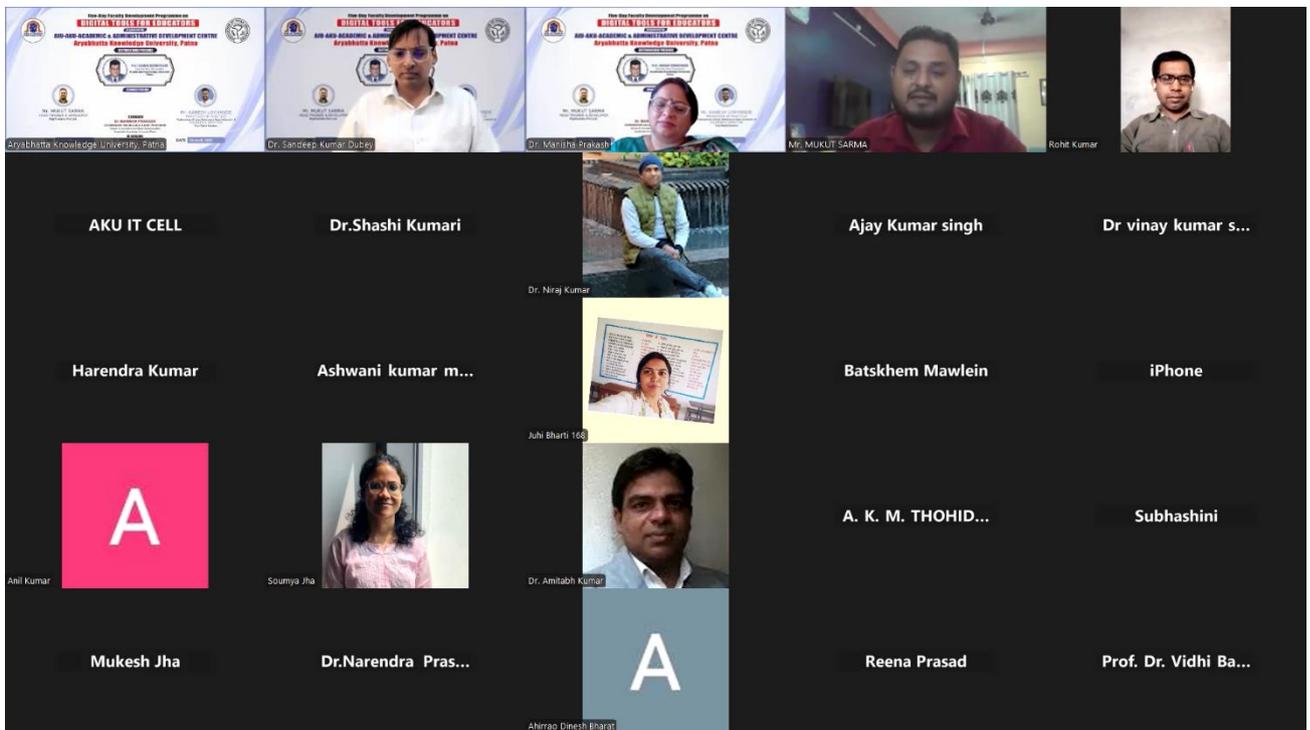
Resource Person:

Mr. MUKUT SARMA

Head trainer and developer Digifoxlabs Pvt Ltd.

- ❖ On the first day of the FDP, Mukut Sharma, Head trainer and developer of DigifoxLabs Private Limited, explained in detail the use of Google Classroom and Moodle Cloud along with Canvas, Blackboard, Prezi. He demonstrated the methods of creating classes according to the subject in Google Classroom and connecting students to it. He also explained the role and importance of Digital tools in education in the contemporary time. During this, the participants also asked questions and practised the tools taking the help of the trainer.





DAY -2 (FRIDAY 25 APRIL, 2025)

TOPIC

- ❖ Creating Interactive Learning Materials,
- ❖ Video Creation and Editing for Educators,
- ❖ Screen casting and Recording Software

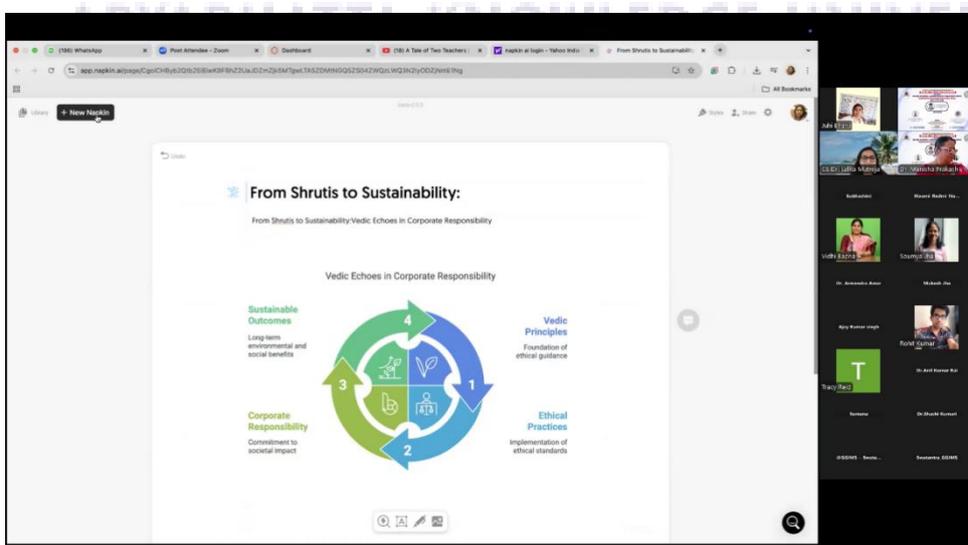
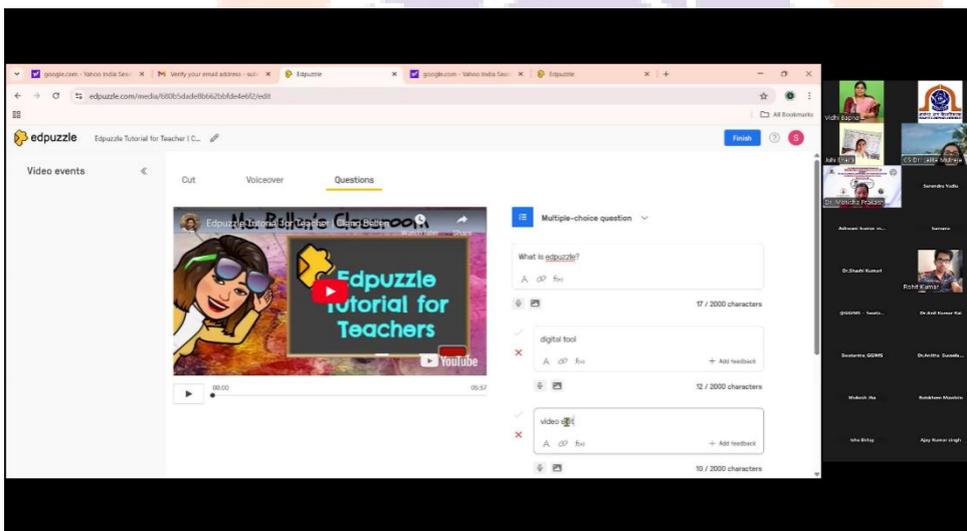
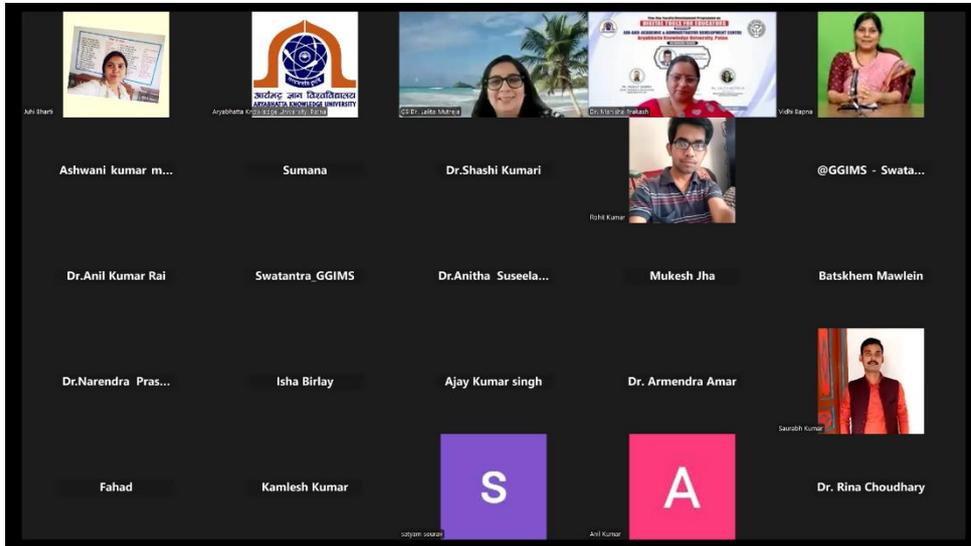
Resource Person:

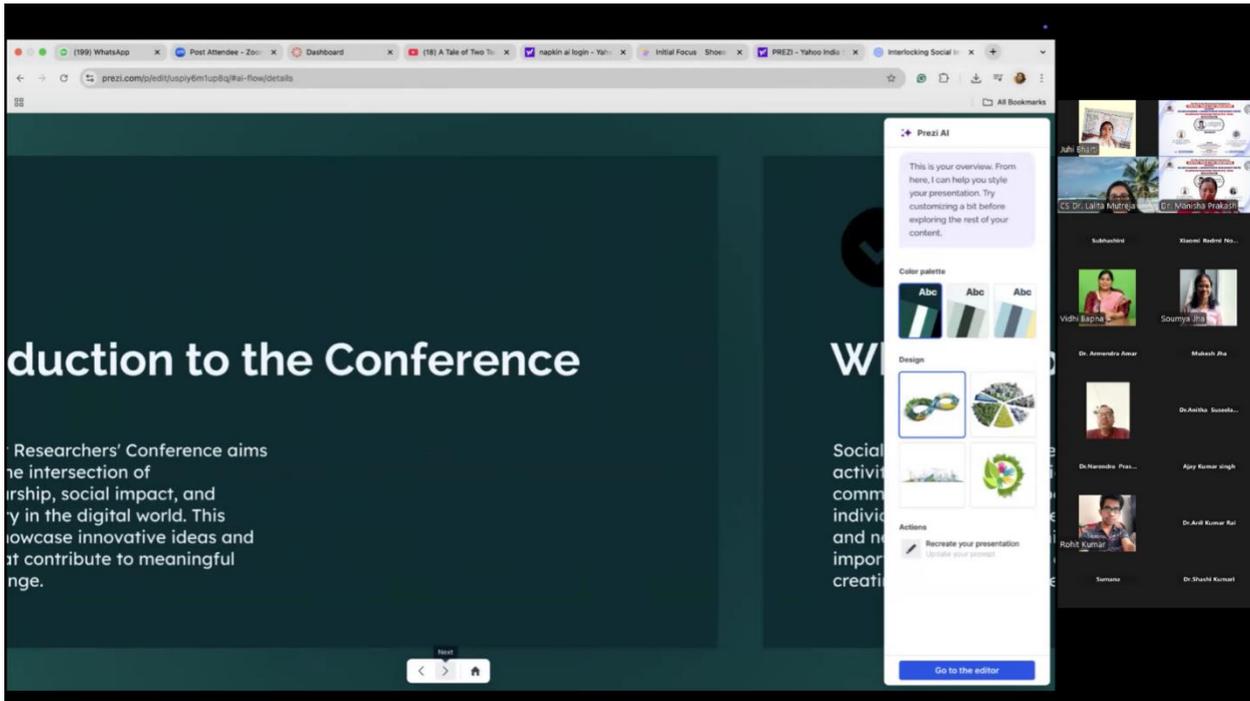
Dr. Lalita Mutreja,

Asst. Prof. , Narsee Monjee College of Commerce and Economics, Mumbai.

The second day of the Faculty Development Program on Digital Tools for Educators, organized by the Academic and Administrative Development Centre of the Aryabhatta Knowledge University (AKU) in collaboration with the Association of Indian Universities (AIU), was dedicated to providing participants with comprehensive knowledge on creativity with modern tools of education. The session aimed to equip faculty members with essential skills and best practices for designing and delivering effective learning with the use of tools and technology.

The session of the day was conducted by **Dr. Lalita Mutreja, Asst. Prof. , Narsee Monjee College of Commerce and Economics, Mumbai.** Dr. Lalita Mutreja who provided an in-depth knowledge of the topics that cater to the evolving needs of learners. She said that Digital tools in education encompass a wide range of technologies designed to enhance teaching, learning, and administrative processes. She demonstrated the use of a number of tools.





DAY 3 (SATURDAY 26 APRIL 2025)

TOPIC

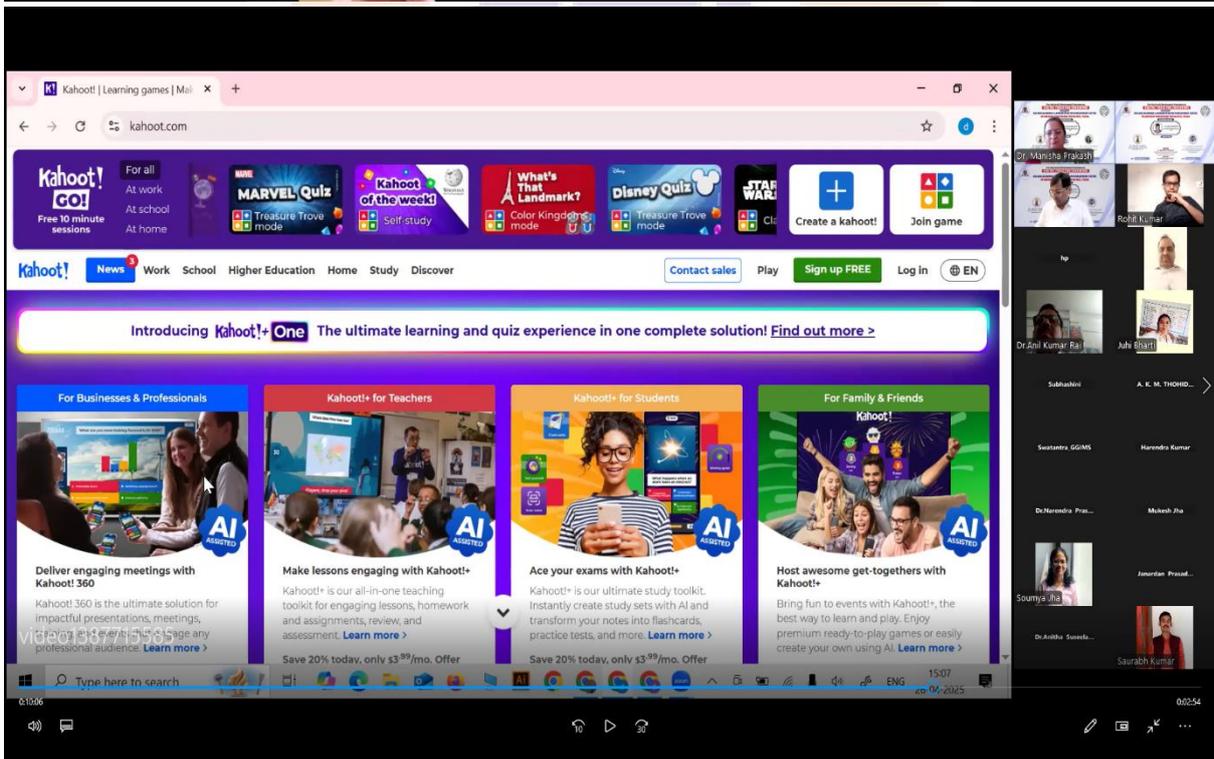
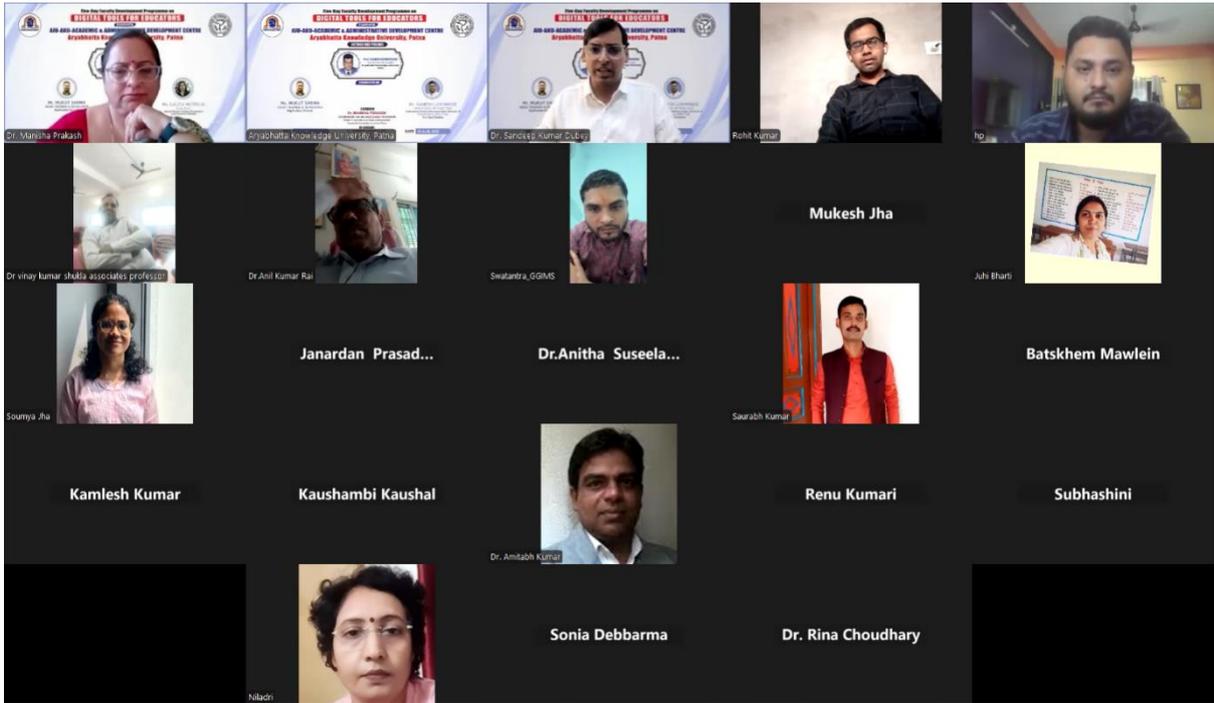
- ❖ Digital Tools for Class Room Engagement: Kahoot, Padlet, Nearpod, Flipgrip, Socrative;
- ❖ Tools For video Conferencing & Virtual Class: Zoom, Microsoft Teams, Edmodo;
- ❖ Collaboration & Communication Tools: Trello, Slack

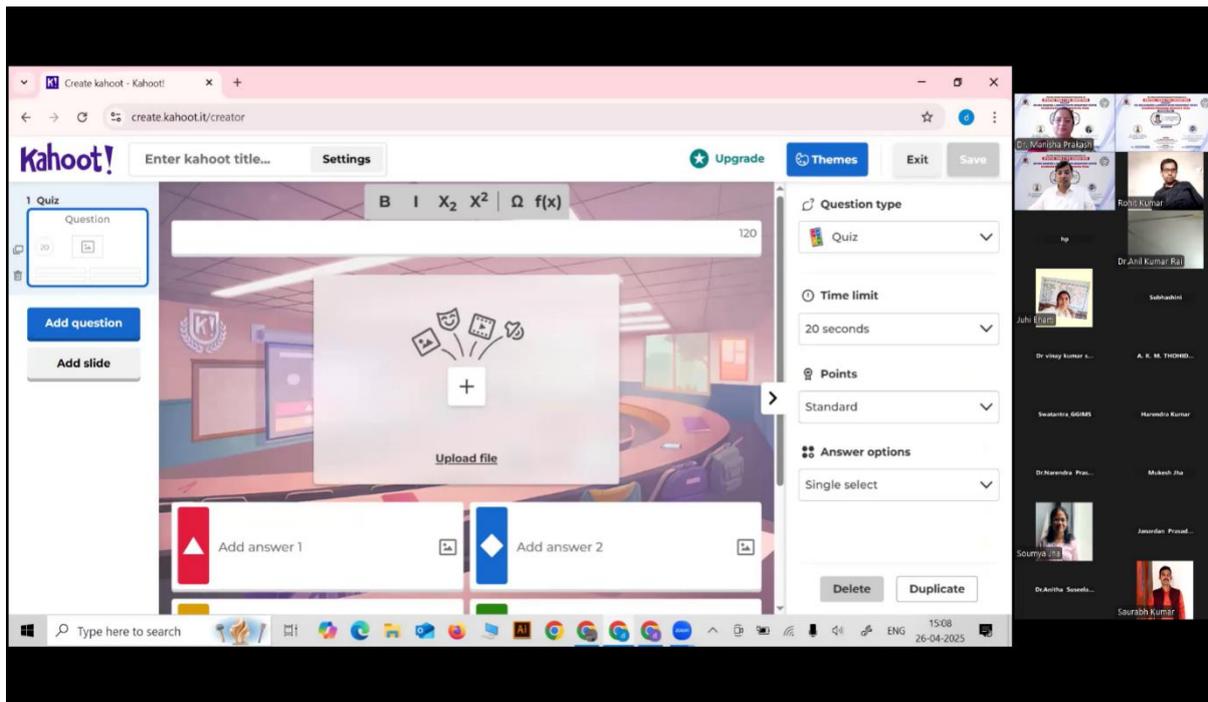
➤ **RESOURCE PERSON**

Mr. MUKUT SARMA

Head trainer and developer Digifoxlabs Pvt Ltd.

In the third day of the FDP session, **Mr. Mukut Sarma** presented faculty participants with Digital Tools for Class Room Engagement: Kahoot, Padlet, Nearpod, Flipgrip, Socrative; Tools For video Conferencing & Virtual Class: Zoom, Microsoft Teams, Edmodo; Collaboration & Communication Tools: Trello, Slack enabling a comprehensive understanding & acquaintance with modern tools for educating and communication.





DAY 4 (MONDAY, 28 APRIL 2025)

TOPIC

- ❖ Digital Assessment Tools, Feedback and Grading Tools: Turnitin, Quizlet, Gradescope, Google forms;
- ❖ Video Creating and Editing: Camtasia, OBS, Studio;
- ❖ Screen Casting Tools: Screencast-O-Matic, Loom;
- ❖ Research Management: Mendeley, Zotero

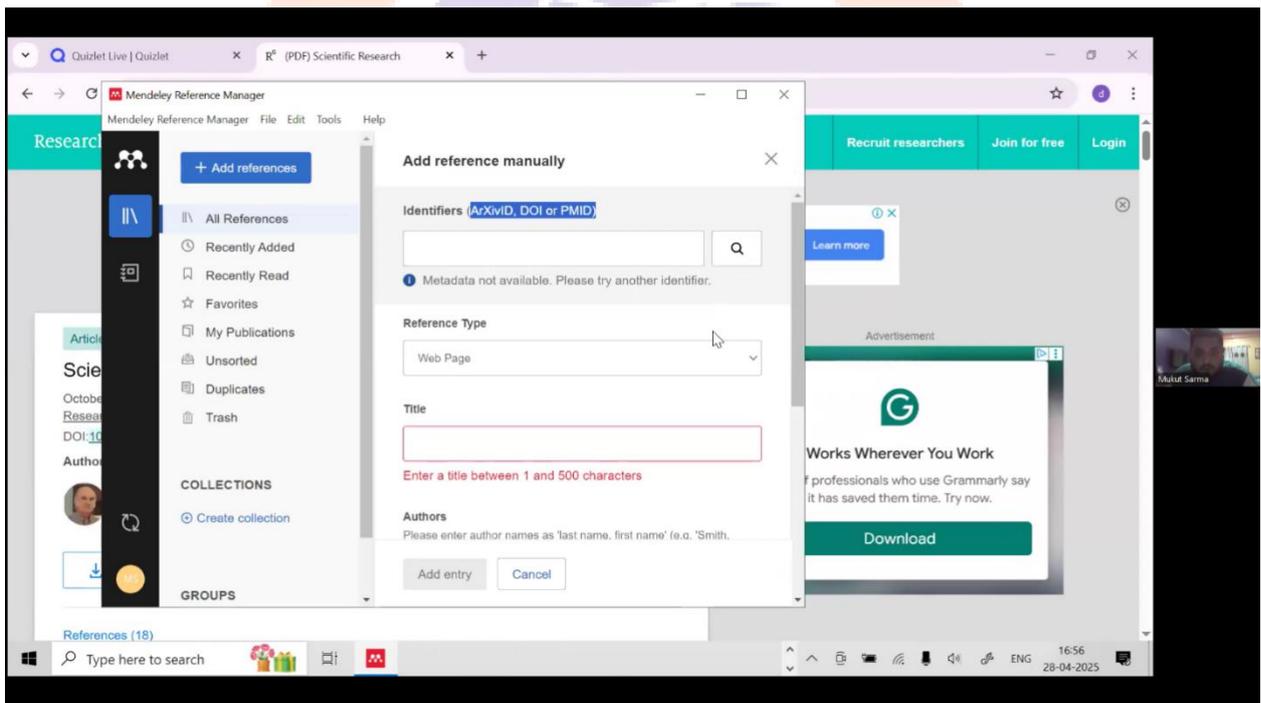
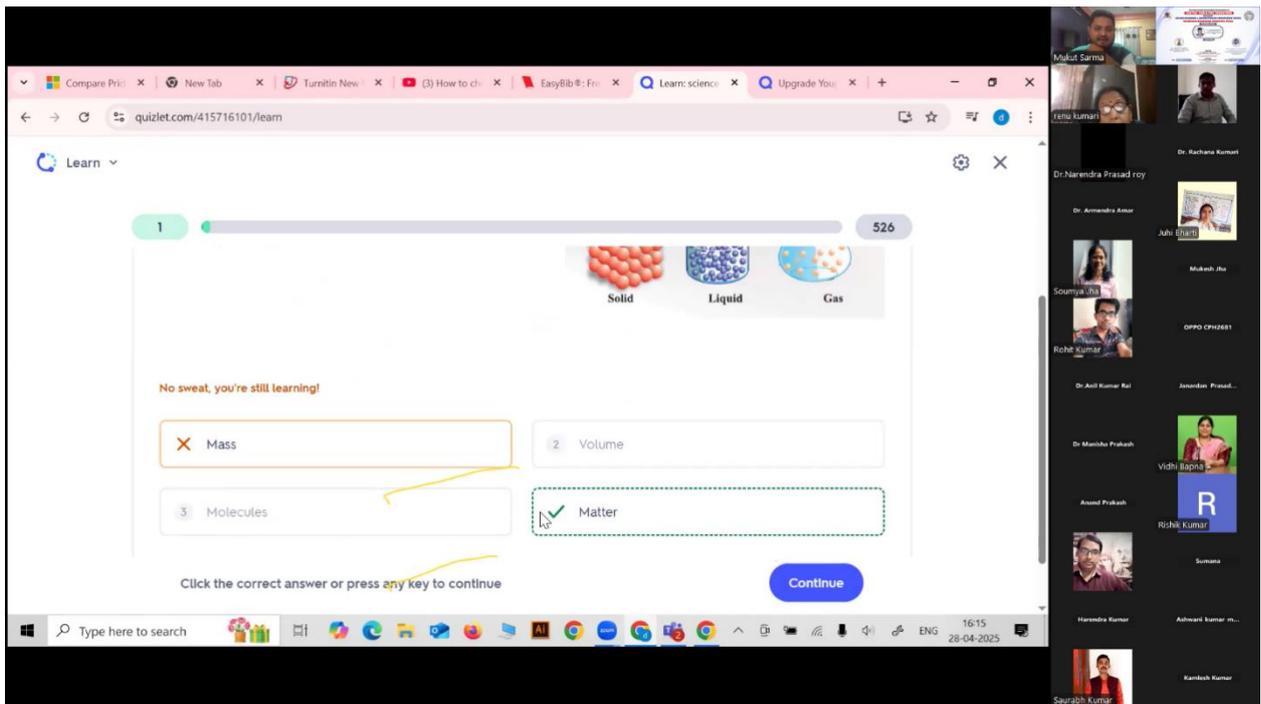
➤ RESOURCE PERSON

Mr. MUKUT SARMA

Head trainer and developer Digifoxlabs Pvt Ltd.

Founder & Director, Vcan Digital Solutions

The fourth day of the Faculty Development Program on Digital Tools for Educators commenced with a session led by **Mr. Mukut Sarma**, Head trainer and developer Digifoxlabs Pvt Ltd. In his presentation he focused on the integration of tools for video creation and editing, research management and detailed content delivery and also discussed on Digital Assessment Tools, Feedback and Grading Tools: Turnitin, Quizlet, Gradescope, Google forms.



DAY 5 (SATURDAY, 29 MARCH 2025)

TOPIC

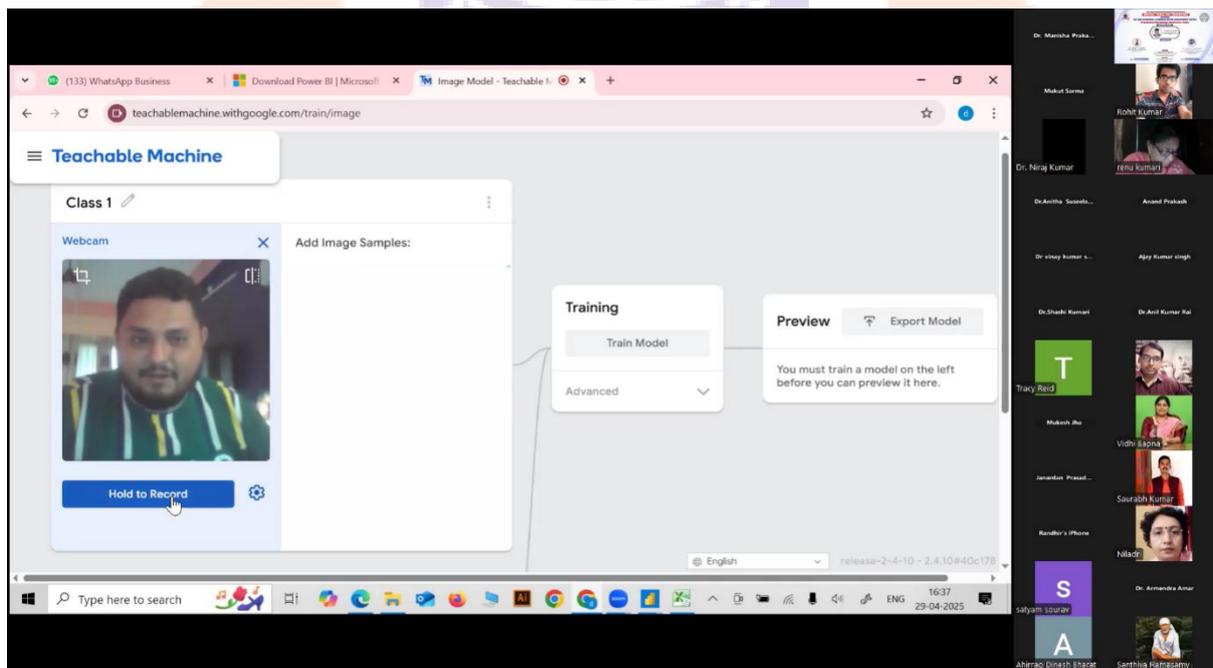
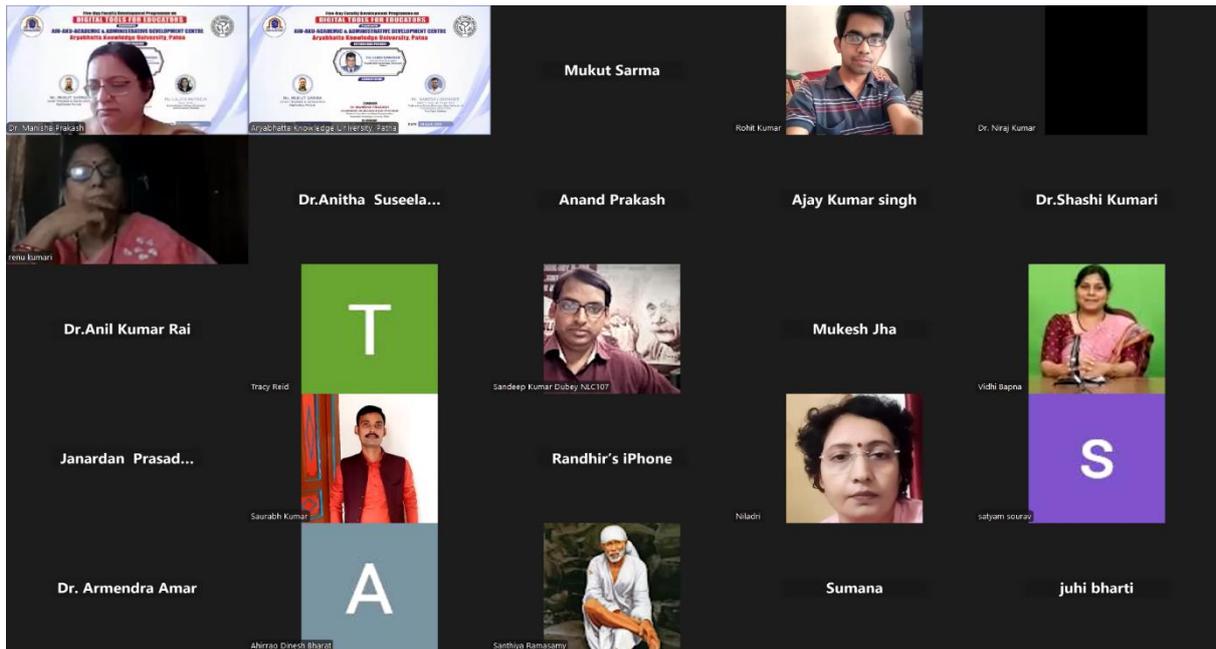
Data Visualization Tools & AI Tools: Tableau, Power BI, Orange Data Mining, Teachable Machine, Socratic by Google, Quill Bot, Math Solver, My study Life, Khanmingo, Photomath, Otter.ai, Forest.

➤ **RESOURCE PERSON**

Mr. MUKUT SARMA

Head trainer and developer Digifoxlabs Pvt Ltd.

On the fifth day of the Faculty Development Program on Digital Tools for Educators, **Mr. Mukut Sarma**, Head trainer and developer Digifoxlabs Pvt Ltd., addressed the participants and gave detailed understanding and view on topics i.e. Data Visualization Tools & AI Tools: Tableau, Power BI, Orange Data Mining, Teachable Machine, Socratic by Google, Quill Bot, Math Solver, My study Life, Khanmingo, Photomath, Otter.ai, Forest



Perceptron Example (go to the park)
Module 3

Input

Output

Weightage

YES

NO

YES

NO

For this example, let's say: I have a jacket, I don't have an umbrella, it is sunny now, and the weather forecast is going to rain.

power bi analysys • Last saved: Today at 4:22 PM

File Home Insert Modeling View Optimize Help

Clipboard: Copy, Paste, Format painter

Get data, Excel workbook catalog, OneLake Server, SQL Enter data, Dataserve Recent sources

Queries: Transform Refresh data

Insert: New visual, Text box, More visuals

Calculations: New visual calculation, Quick measure, Sensitivity

Share: Publish, Copilot

Amount by Year, Quarter and Month

Amount by Product

Amount: 6M, Boxes Shipped: 177K

Sales Person	Amount	Boxes Shipped
Andria Kimpton	201747	6448
Barr Faughny	258713	6366
Beverly Moffet	278922	9214
Brien Boise	312816	8102
Camilla Castle	196616	5374
Ches Bonnell	320501	7522
Curtice Advani	216461	7074
Total	6183625	177007

Visualizations: Build visual, Filters, Data

Page 1 of 2

Here's the analysis of the 21.95% decrease in Amount between 2022 Qtr 1 January and 2022 Qtr 1 February

Amount BY YEAR, QUARTER, MONTH AND PRODUCT

'After Nines', '99% Dark & Pure', and 'Baker's Choco Chips' had the largest decrease among Product, offsetting the increase of 'Milk Bars'. The relative contributions made by 'Milk Bars', 'After Nines', and '85% Dark Bars' changed the most.

Amount

2022 Qtr 1 January

2022 Qtr 1 February

Visualizations: Build visual, Filters, Data

Page 1 of 1

VALEDICTORY

Upon the successful completion of the five-day Faculty Development Program on Digital Tools of Educators, in the concluding session of this program, FDP Convenor and Coordinator of AIU-AKU-AADC and School of Journalism and Mass Communication In-charge Dr. Manisha Prakash delivered the vote of thanks. She expressed her gratitude to all participants for their active engagement. She said “This online FDP has bridged geographical barriers, enabling educators to embrace digital tools for innovative teaching. The overwhelming response from participants underscores the importance of digital literacy in education.” The concluding day featured a virtual valedictory session, and feedback from participants, who praised the program’s practical approach and relevance. This FDP equipped educators to create dynamic, inclusive, and technology-driven learning environments, setting a benchmark for online professional development. The participants expressed their keen interest in attending similar programs in the future, acknowledging the significance of such training in enhancing their skill towards digital tools & teaching skills.



शिक्षक सीखेंगे डिजिटल टूल्स संचालन तकनीक

पटना। शिक्षकों के लिए आधुनिक तकनीकी से लैस होना बहुत आवश्यक है। बिना आधुनिक तकनीक की जानकारी के बेहतर अध्यापन नहीं किया जा सकता। साथ ही शोध कार्य में भी तकनीक का हस्तक्षेप बहुत बढ़ गया है। ऐसे में बिना तकनीकी और टूल्स की जानकारी के अध्यापन और शोध कार्य करना संभव नहीं है। इसी के कारण शिक्षकों के लिए आवश्यक टूल्स और तकनीकी का प्रशिक्षण देने के लिए आर्यभट्ट ज्ञान विश्वविद्यालय द्वारा पांच दिवसीय गुरु दक्षता कार्यक्रम यानी फैकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया जा रहा है। यह आयोजन 24 अप्रैल से 29 अप्रैल तक होगा। इसका आयोजन भारतीय विश्वविद्यालय संघ द्वारा स्थापित अकादमिक एवं प्रशासनिक विकास केंद्र की ओर से किया जा रहा है। आर्यभट्ट ज्ञान विश्वविद्यालय के कुलपति प्रो (डॉ) शरद कुमार यादव की प्रेरणा से आयोजित इस डिजिटल टूल्स फॉर एजुकेटर्स पर आधारित फैकल्टी डेवलपमेंट प्रोग्राम में

शिक्षकों के शिक्षण प्रशिक्षण के लिए अनुभवी प्रशिक्षक शामिल होंगे। इसमें ऑनलाइन और ऑफलाइन माध्यमों से प्रयोग में लाए जाने वाले जरूरी डिजिटल टूल्स के बारे में बताया जाएगा। एफडीपी में प्रशिक्षण देने के लिए डिजीफोकसलेक्स प्राइवेट लिमिटेड के वरिष्ठ प्रशिक्षक और डेवलपर मुकुट शर्मा और यशवंतराव चौहान महाराष्ट्र मुक्त विश्वविद्यालय में प्रोफेसर ऑफ प्रैक्टिस व वीकेन डिजिटल सोल्यूशंस के संस्थापक निदेशक गणेश लोखंडे ऑनलाइन उपस्थित रहेंगे। एफडीपी ऑनलाइन माध्यम में आयोजित है।

एफडीपी की संयोजक डॉ मनीषा प्रकाश ने बताया कि इच्छुक फैकल्टी 24 अप्रैल सुबह 10 बजे तक पंजीकरण करा सकते हैं। एफडीपी को सफलतापूर्वक संपन्न करने वाले सभी प्रतिभागियों को प्रमाणपत्र भी दिया जाएगा। इस विषय में अधिक जानकारी के लिए आर्यभट्ट ज्ञान विश्वविद्यालय की वेबसाइट पर विजिट किया जा सकता है।

शिक्षकों के लिए विशेष प्रशिक्षण कार्यक्रम शुरू

पटना. आर्यभट्ट ज्ञान विश्वविद्यालय के अकादमिक एवं प्रशासनिक विकास केंद्र द्वारा 'डिजिटल टूल्स फॉर एजुकेटर्स' विषय पर पांच दिवसीय ऑनलाइन फैकल्टी डेवलपमेंट प्रोग्राम शुरू हुआ. 29 अप्रैल तक चलने वाले इस कार्यक्रम का उद्देश्य शिक्षकों को तकनीकी और डिजिटल माध्यमों से शिक्षण व शोध के लिए दक्ष बनाना है. कुलपति डॉ शरद कुमार यादव के मार्गदर्शन में हो रहे इस आयोजन में पहले दिन गूगल क्लासरूम और मूडल क्लाउडपर प्रशिक्षण दिया गया. कार्यक्रम संयोजक डॉ मनीषा प्रकाश ने तकनीक को प्रभावी शिक्षा का अनिवार्य हिस्सा बताया.

शिक्षकों को दी डिजिटल टूल्स की जानकारी

पटना। आर्यभट्ट ज्ञान विश्वविद्यालय के अकादमिक एवं प्रशासनिक विकास केंद्र द्वारा भारतीय विश्वविद्यालय संघ के सहयोग से पांच दिवसीय ऑनलाइन इन फैकल्टी डेवलपमेंट प्रोग्राम "शिक्षकों के लिए डिजिटल टूल्स" मंगलवार को पूर्ण सफलता के साथ समाप्त हुआ। मुख्य ट्रेनर मुकुट शर्मा और डॉ. ललिता मुतरेजा ने शिक्षा में डिजिटल टूल्स के प्रभाव पर महत्वपूर्ण सत्र प्रस्तुत किए। कार्यक्रम ने भारत और पड़ोसी देशों के 50 से अधिक शिक्षकों को डिजिटल युग में शिक्षण के लिए डिजिटल टूल्स के प्रयोग की जानकारी दी।

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