REPORT

on

6 DAY Faculty Development Program (ONLINE)

on

LEVERAGING TECHNOLOGY FOR ENHANCED TEACHING -LEARNING

https://scrollwell.com/programs/

(25th - 31 st July, 2024)

K.R. MANGALAM UNIVERSITY, GURUGRAM

TABLE OF CONTENTS

Sr. No.	Contents	Page No.

1	Introduction including topic	02-06
2	Report of the Session Conducted (Session wise - Day wise)	07-18
3	Annexure I — Information Leaflet including collaborators (if any), Preamble, About the FDP, Registration Links and Important Dates)	19
4	List of Resource Persons and Organizers	Annexure Il -
5	Minute-to-Minute FDP Schedule	Annexure Ill
6	Registration Form	Annexure IV
7	List of Attendees	Annexure V —
8	Evaluation Details / Questionaries/ etc	Annexure VI
09	FDP Certificates	Annexure VIl
10	Media Coverage	Annexure VIII

REPORT ON FACULTY DEVELOPMENT PROGRAMME ON "LEVERAGING TECHNOLOGY FOR ENHANCED TEACHING-LEARNING"

Introduction

The Six days Faculty development was designed to craft the ways and means of delivering online classes at K.R. Mangalam University with recommendations from Mr. Roshan Singh, Founder, Scroll Well. The objectives were to create awareness on:

- To discuss the latest tools and techniques that can be used for enhancing teaching and learning experiences.

- Leveraging Technology in Research
- To discuss SAS and its applications.
- To understand the role of ML & Al in Education

There were 09 external participants from different colleges and institutes and around 30 participants from K.R. Mangalam University.

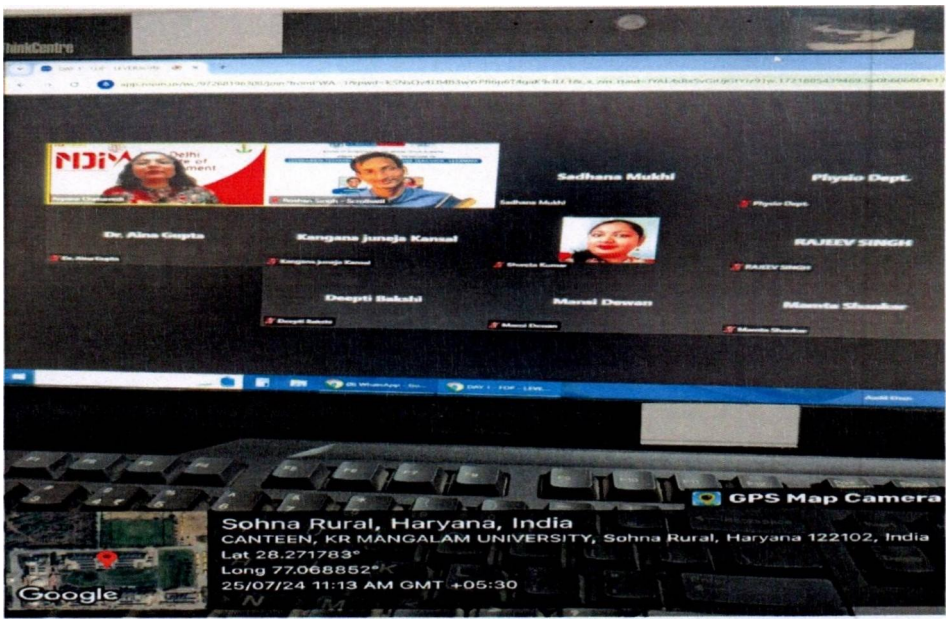
The sessions of the FDP were planned to meet the desired objectives. Schedule of the FDP has been enclosed.

Day-wise Report of the Sessions Conducted

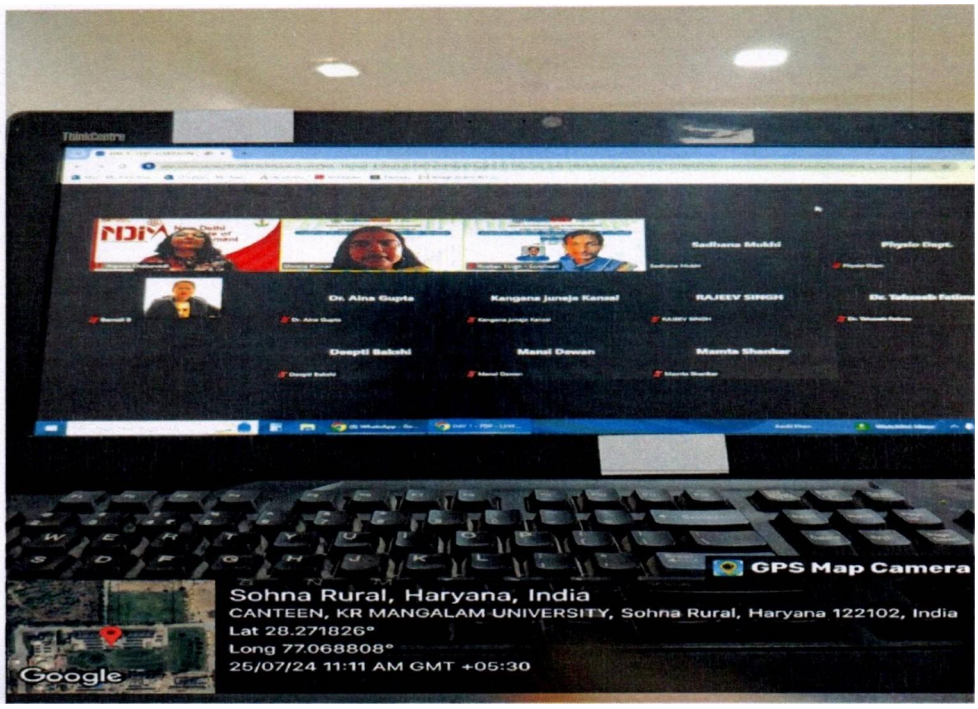
Day -1 25th July, 2024- THURSDAY

Dr. Shweta Kumar (P.T.), and Dr. Mansi Dewan (P.T.), Assistant Professor, SPRS, K.R. Mangalam University, gave a wonderful introduction to the FDP. The inaugural session started on 25th July, 2024 at 10:30 am with an auspicious note by paying respect to the Goddess of Learning and Saraswati Vandana.

The dignitaries on the stage were Dr. Mamta Shankar (P.T.),School Coordinator, SPRS, K.R. Mangalam University, Mr. Roshan Singh, Founder Scroll Well and Dr. Arpana Chaturvedi, Head Of Department , NDIM .



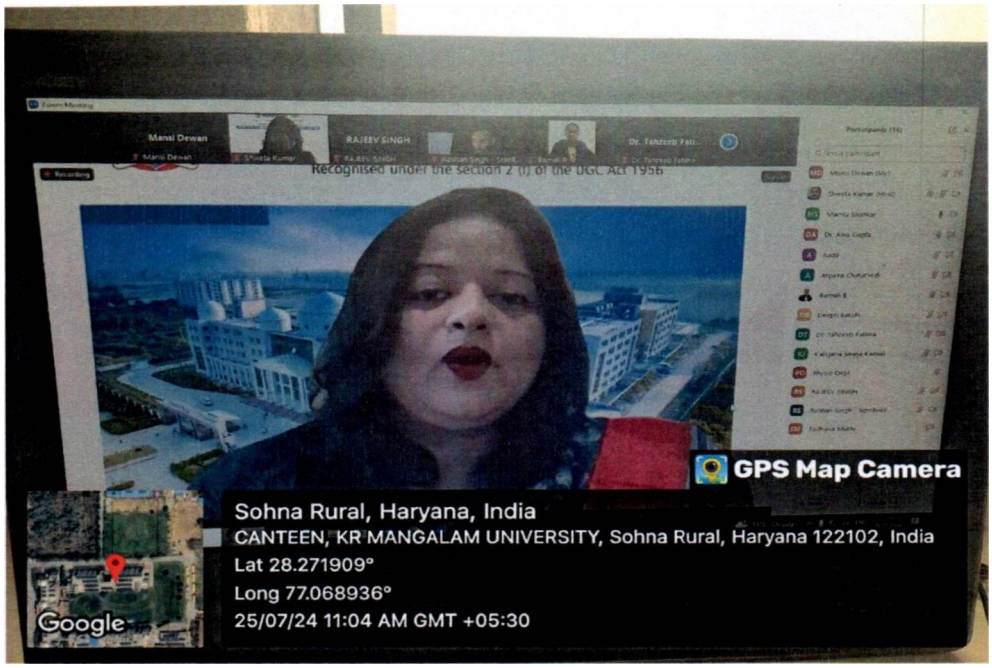
PIC-I INAUGURAL SESSION



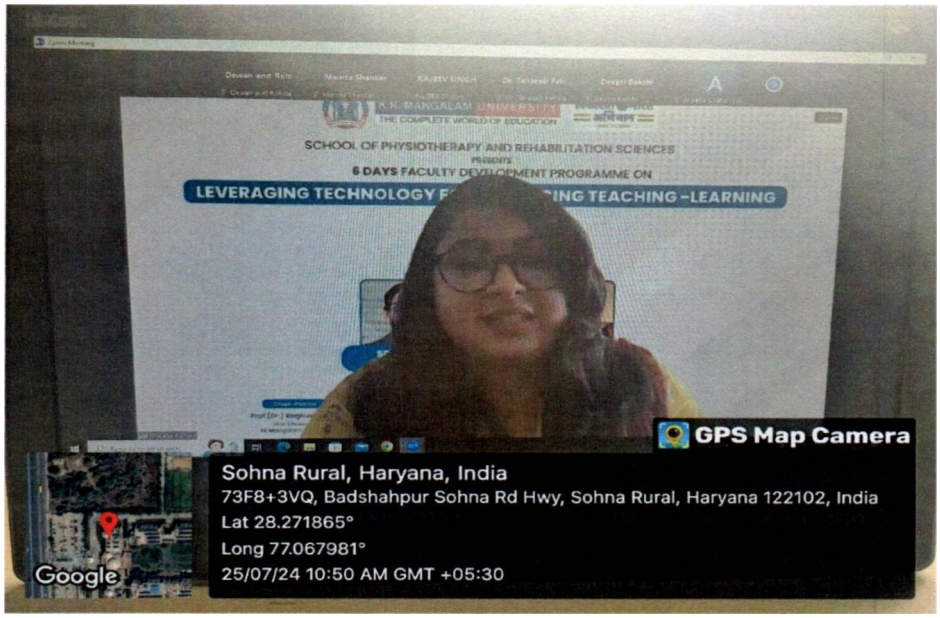
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PIC-2 INAUGURAL SESSION

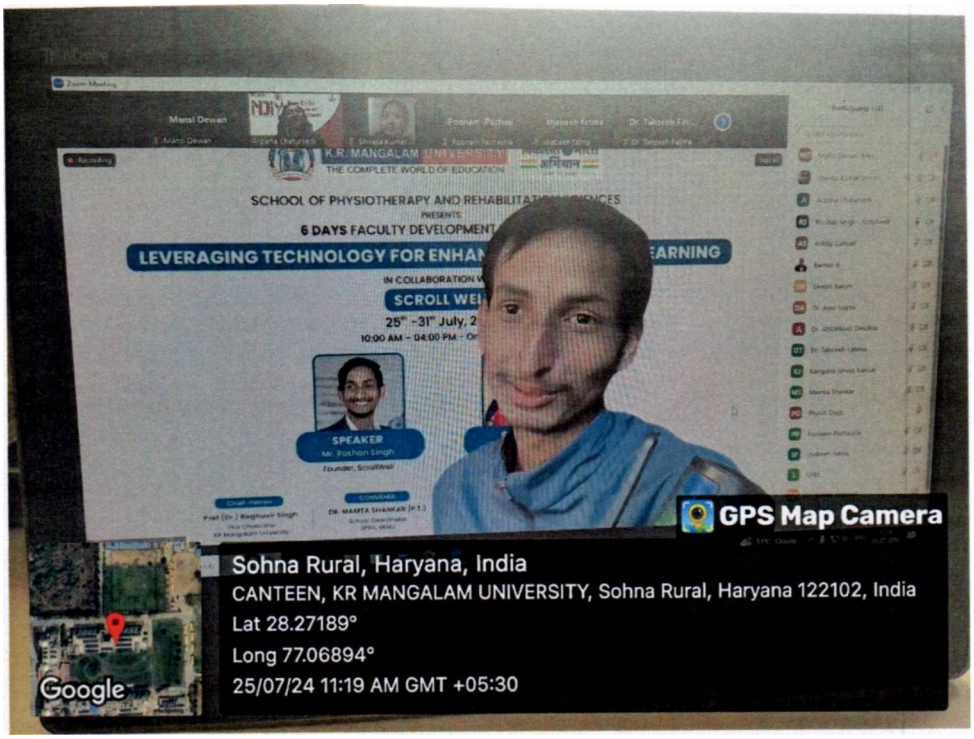
In the Inaugural Speech a brief introduction was given about Prof. Raghuvir Singh, Vice Chancellor, K.R. Mangalam University. Dr. Mamta Shankar (P.T.), School Coordinator, SPRS discussed the establishment of School of Physiotherapy and Rehabilitation Sciences, encouraged the participants to look forward to the course of FDP and emphasized the importance of continuous learning. A glimpse for the FDP were given by Dr. Shweta Kumar (P.T.) which was followed by an introduction to the programme by Dr. Mansi Dewan (P.T.).



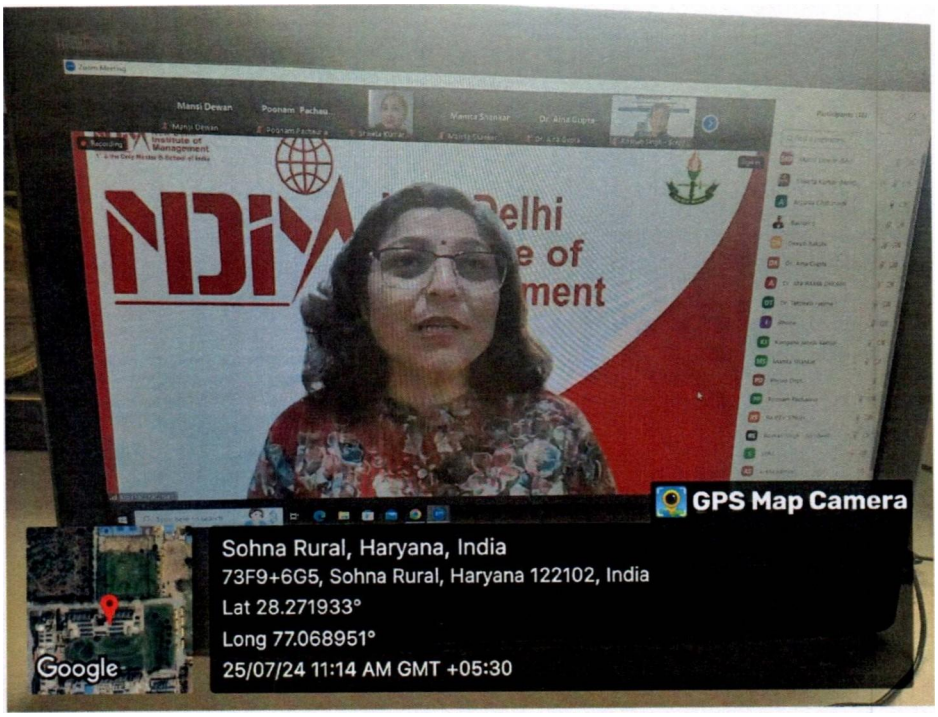
PIC3- Dr. Mamta Shankar addressing the audience



PIC 4- Dr. Shweta Kumar (P.T.) welcoming the speakers



PIC 5- Mr. Roshan Singh addressing the audience



PIC 6- Dr. Arpana addressing the audience

DAY WISE REPORT

DAY 1: July 22nd, 2024

SESSION -1

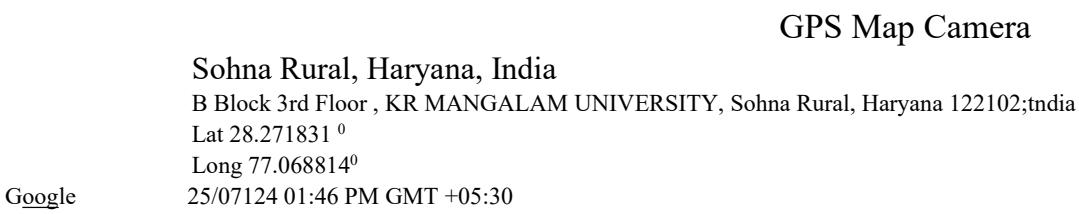
TOPIC- Use of Generative Al Tools in Research

Mr. Roshan Singh started the session with introducing the audience to the use of generative Al. The session commenced at 1 :30 pm post the inaugural ceremony.

Generative Artificial Intelligence offers transformative capabilities, but we must strike a balance between exploring the potential of these tools and ensuring that research meets standards of veracity, validity, originality, and reproducibility. Briefly, GenAI has the capacity to generate new content (new text or images or audio), typically by computergenerated pattern recognition gleaned from access to large volumes of prior examples. These prior examples, data collectively called training sets or training data, can be provided by the GenAI user or provided by others, with or without their explicit awareness or consent.

He elaborated that there are many levels of potential uses in research, ranging from surface level adjustments to applications that blur the boundary of authorship. At one extreme, we might consider systems that simulate a copyeditor, correcting spelling or grammar, which are already integrated in many word processing systems. At the other extreme might be a system that acts as a ghost writer, converting vague descriptions and specifications into polished final presentations. In between, systems might act more like research assistants, collecting and collating information, writing short computer programs, or filling in paragraph bodies from thesis statements. Other uses might be more like reviewers or editors, enabling researchers to "bounce ideas" or summarize a passage of text to ensure that it reads correctly.





PIC 7- Mr. Roshan Singh explaining the concept of Generative Al

Or.

GPS Map Camera

Sohna Rural, Haryana, India

B Block 3rd Floor , KR MANGALAM UNIVERSITY, Sohna Rural, Haryana 122102, India

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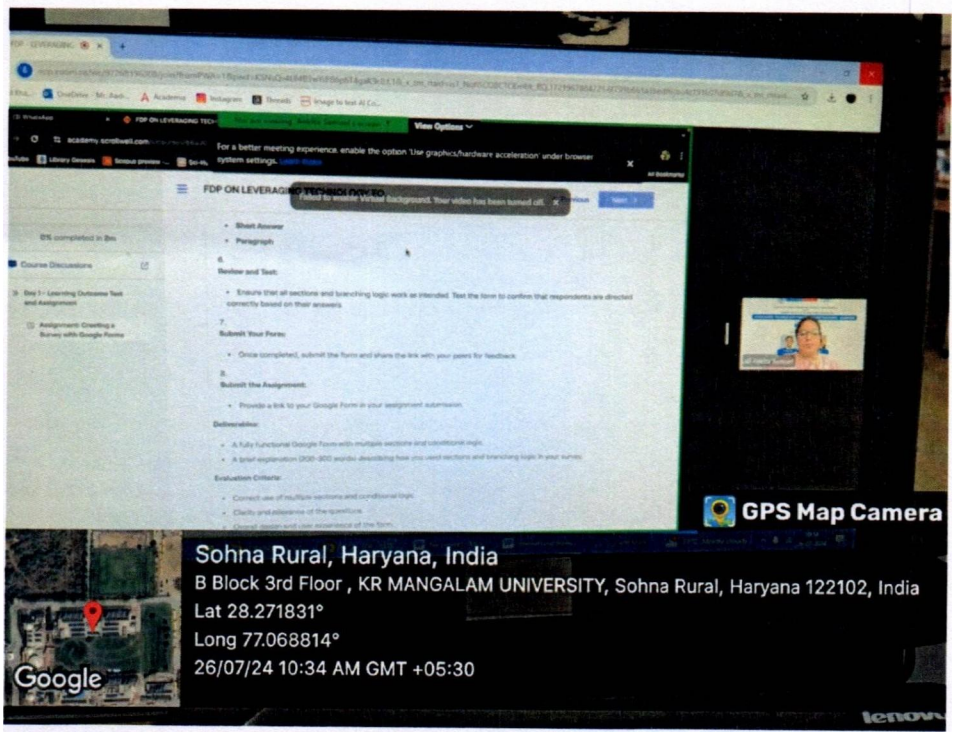
PIC 8- Mr. Roshan Singh explaining the concept of Generative Al

Day 2: July 23rd, 2024

SESSION 1- TOPIC- RECAPITULATION OF SESSION FROM DAY 1

Day 2 of FDP started with the revision and a small assignment from session of the previous day at 10:30 am.

https://scrollwell.com/ was the interface used by the audience to complete the assignment within a stipulated time frame.

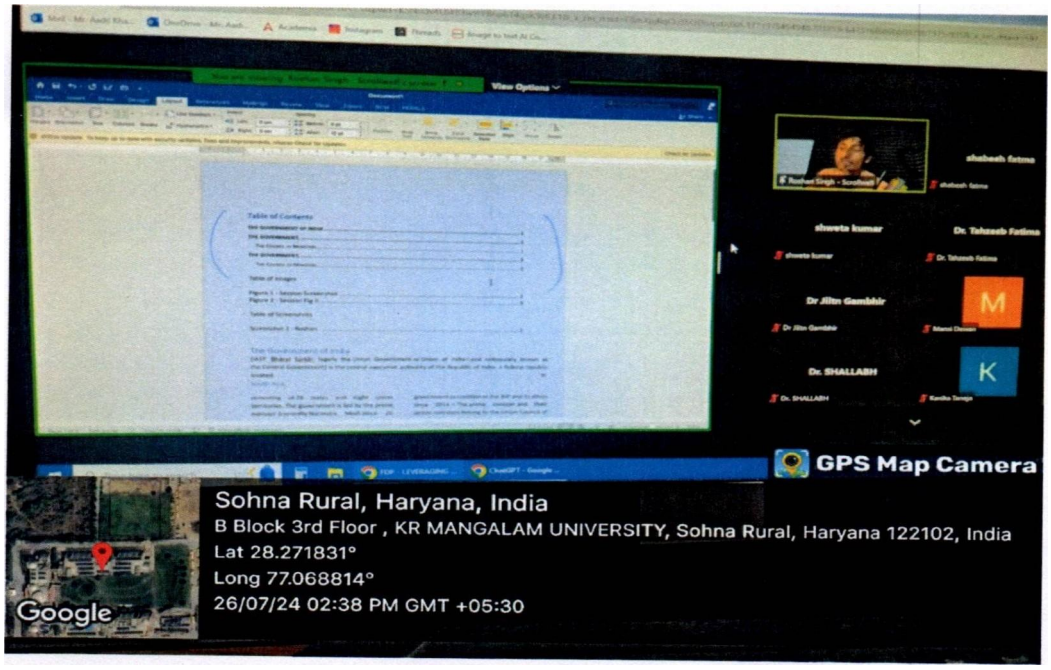


PIC 9- ASSIGNMENT INTERFACE

SESSION 2
TOPIC- Research Writing Tools

The session 2 for Day 2 started at 1 :30 pm with Mr. Roshan Singh introducing various Research Writing Tools to the audience. He discussed that Academic writing can be a daunting and time-consuming process, but with the help of the right tools you can make writing your paper much easier. He discussed about the following tools:

1. Humanizer. Al
2. Quillbot
3. Draw.IO
4. Connected Papers
5. Jenny
6. Elicit O 7. SciSpace



PIC 10- Mr. Roshan Singh explaining the use of tools.

GPS Map Camera

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PIC 1 1- Session in progress.

DAY-3
SESSION- 1

RECAPITULATION OF SESSION FROM DAY 2

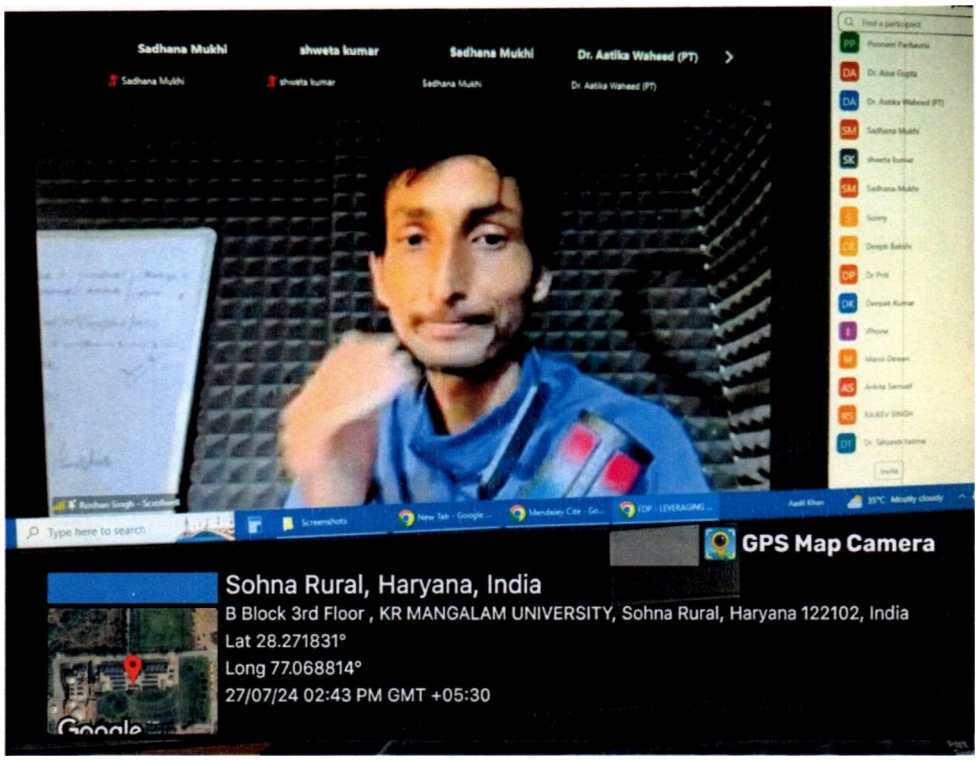
The session started with the recapitulation in the form of assignments from the previous session.

SESSION- 2

- TOPIC- Mendeley Reference Manager

The session started at 2:30 pm with Mr. Roshan Singh discussing the use of Mendeley reference manager. He explained that Mendeley Reference Manager is a free web and desktop reference management application that helps one simplify his/her reference management workflow. The primary purpose of a reference manager is to optimize and facilitate the process of collecting, organizing and citing sources in various documents.

The primary purpose of a reference manager is to optimize and facilitate the process of collecting, organizing, and citing sources in various documents, such as research papers, essays, theses, dissertations, and reports.



PIC 12- SESSION IN PROGRESS

DAY-4

SESSION- 1

RECAPITULATION OF SESSION FROM DAY 3

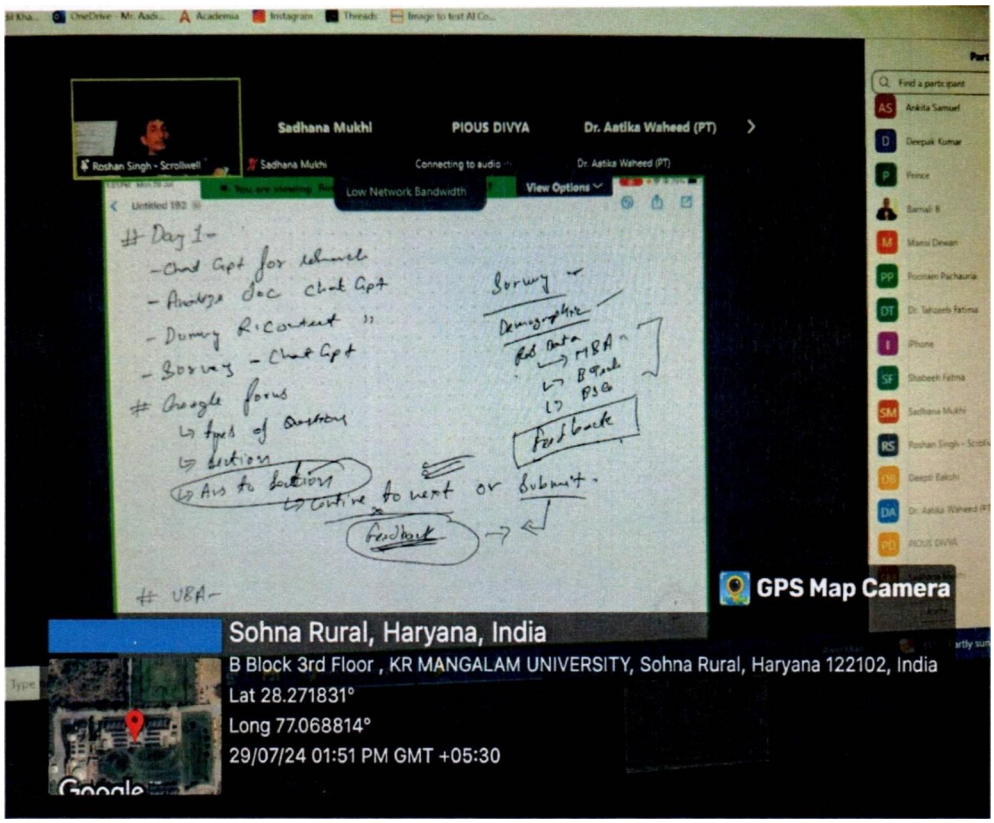
The session started with the recapitulation in the form of assignments from the previous session.

SESSION- 11

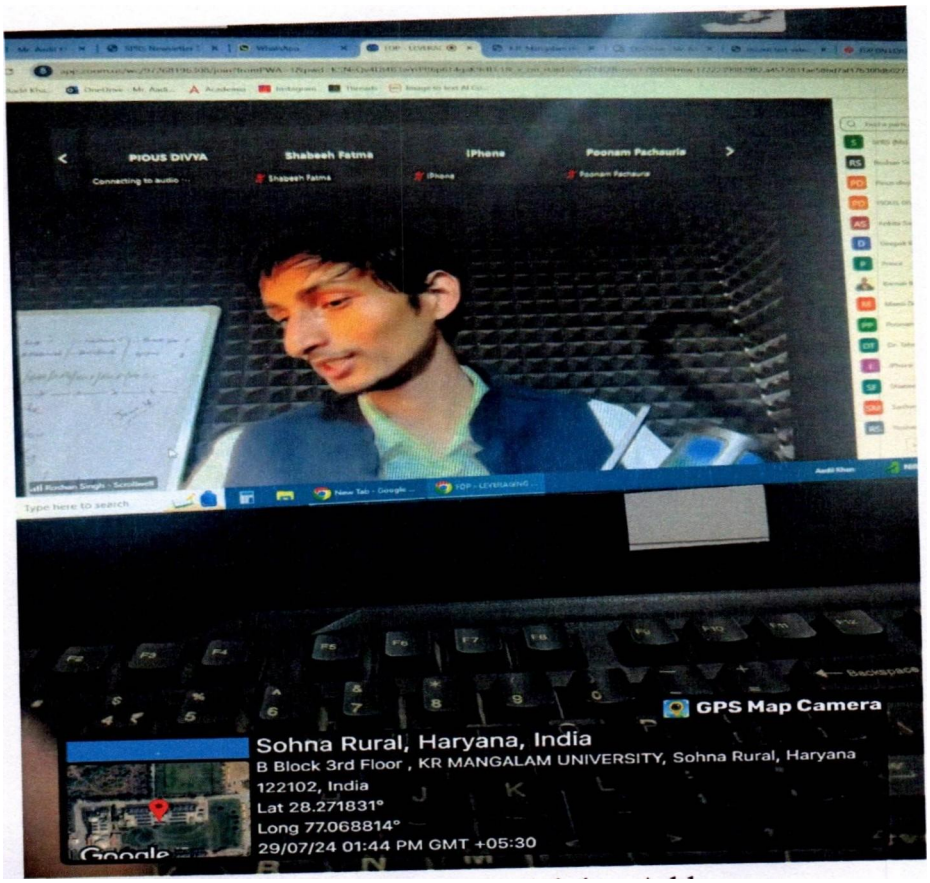
TOPIC- ICT Addons for Research

The session started at 1:30 pm with highlighting the role of ICT Addons by Mr. Roshan Singh where he discussed and explained the use of the following addons.

1. Google Scholar Chrome Extension
2. Workona Spaces and Tab Manager


Sadhana Mukhi
PIOUS DIVYA
Dr. Aatika Waheed (PT)
Roshan Singh - Scrollwell
Low Network Bandwidth
View Options
Day 1-
- Chat Gpt for
- Analyze doc chat Gpt
- Survey
- Survey - Chat Gpt
Google forms
Survey
Demographic
MBA
B
BSc
Feedback
Ans to
Continue to next or Submit.
Feedback
UBA-
GPS Map Camera
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PIC 13- SESSION IN PROGRESS

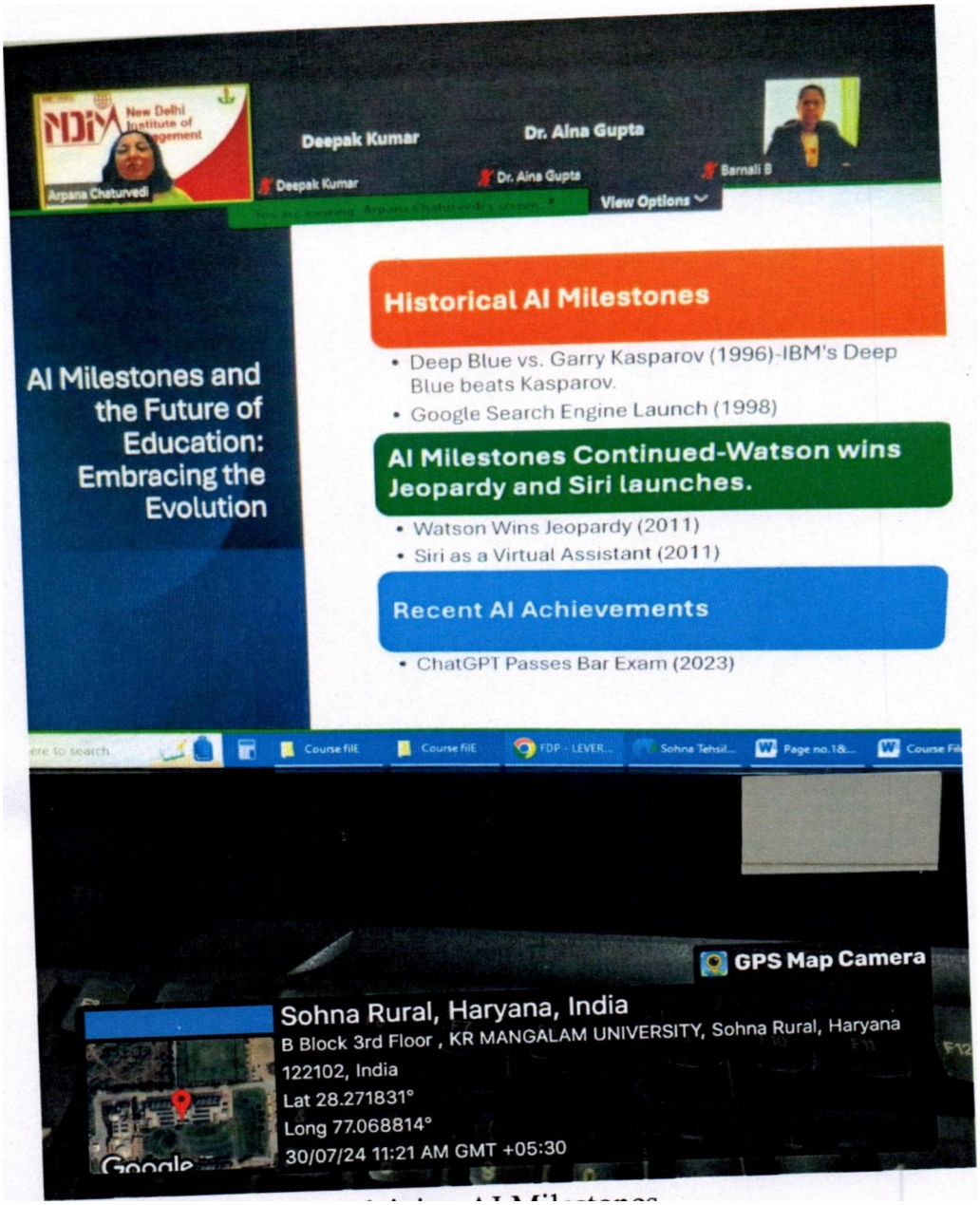


PIC 14- Mr. Singh explaining Addons

DAY-5

TOPIC- ML & Al in Education

The day started with the session at 1 1 :00 am. She explained that Machine learning can automate grading assignments, tests, and student assessments. This would reduce the workload of teachers. They can provide personalized attention to a bigger student population, thereby improving learning. Express their understanding through data visualization and dynamic storytelling. With the help of Al-powered chatbots and virtual assistants, educators can provide students with immediate support and assistance outside the classroom, helping them stay engaged and motivated.

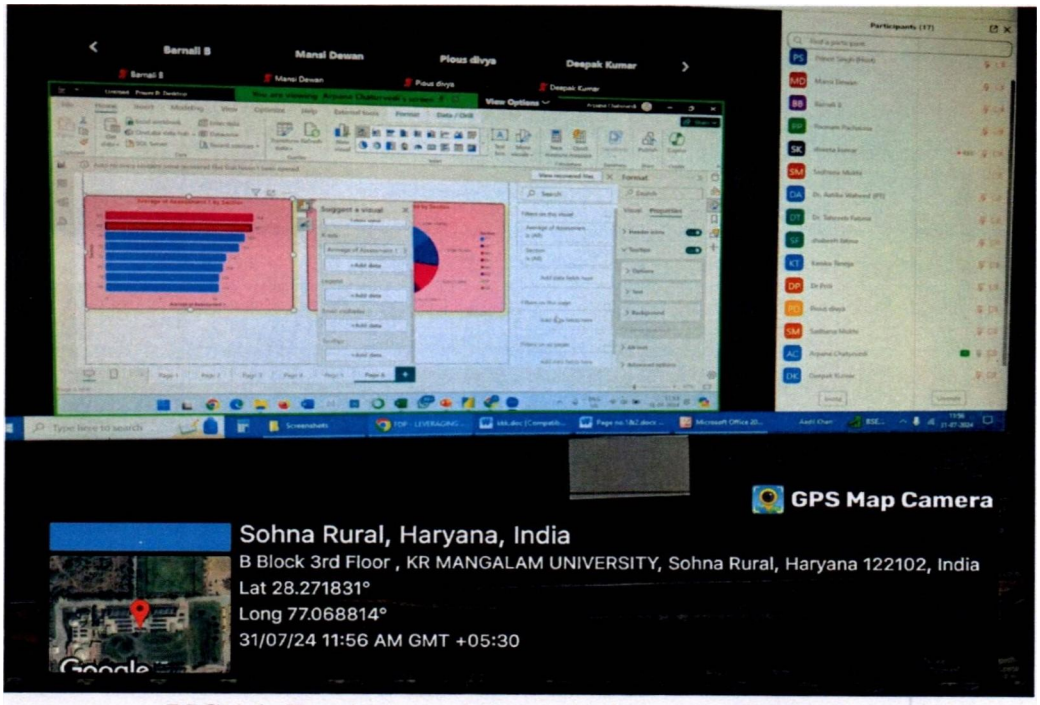


PIC 15- Dr. Aparna explaining Al Milestones DAY-6

TOPIC- SASS-Power BI: Introduction to Data Representation

The session started at llam with Dr. Arpana explaining that SSAS is a technology from Microsoft that provides online analytical processing (OLAP) and data mining functionality. SAS Viya scores higher in meets requirements, quality of support, but Power BI has the best scores overall for system usability. Microsoft Power BI is a collection of apps, software services and connectors that come together to turn

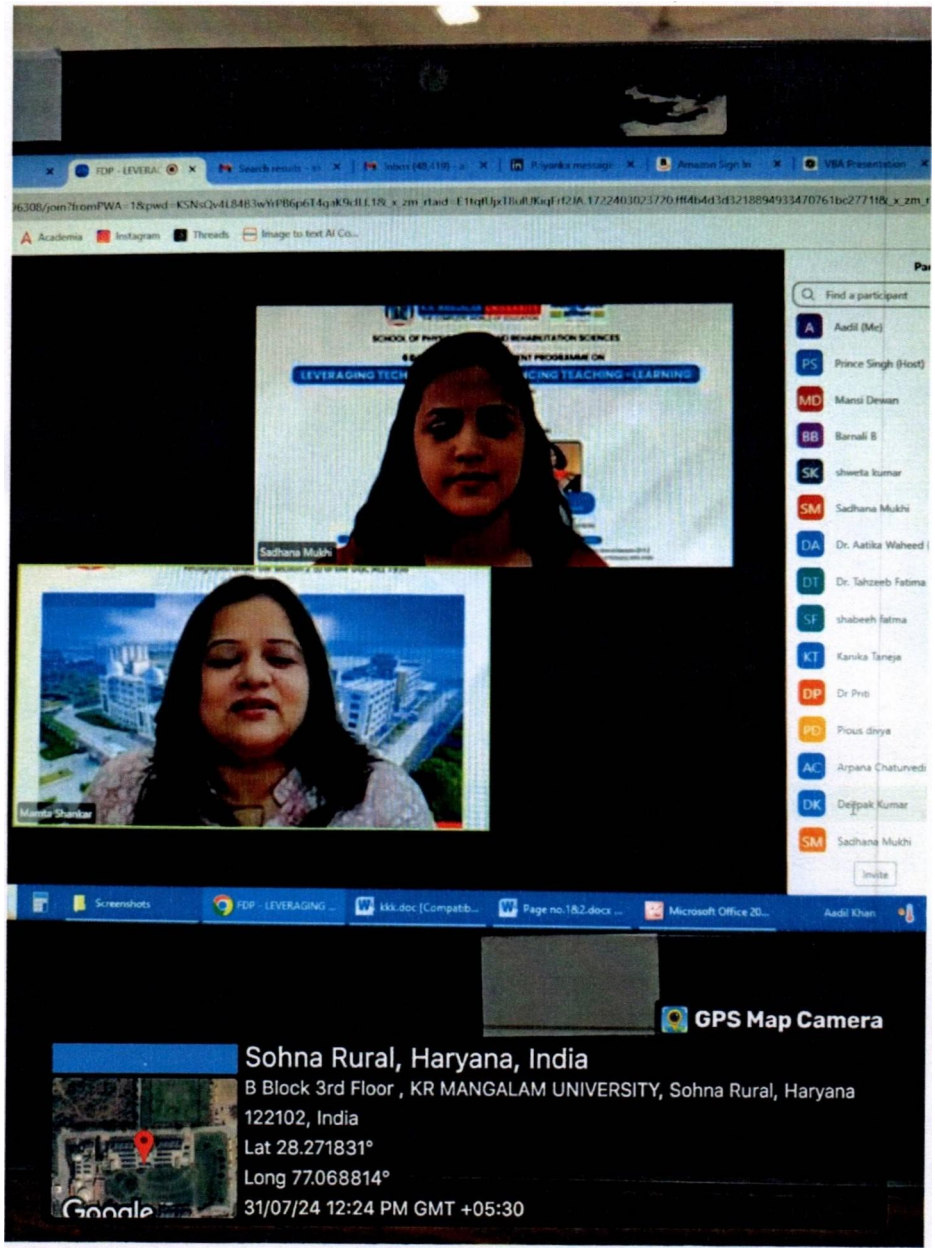
unrelated data into visually impressive and interactive insights. Power BI can work with simple data sources like Microsoft Excel and complicated ones like cloud-based or on-premises hybrid Data warehouses. Power BI has the capabilities to easily connect to your data sources, visualise and share and publish your findings with anyone and everyone.



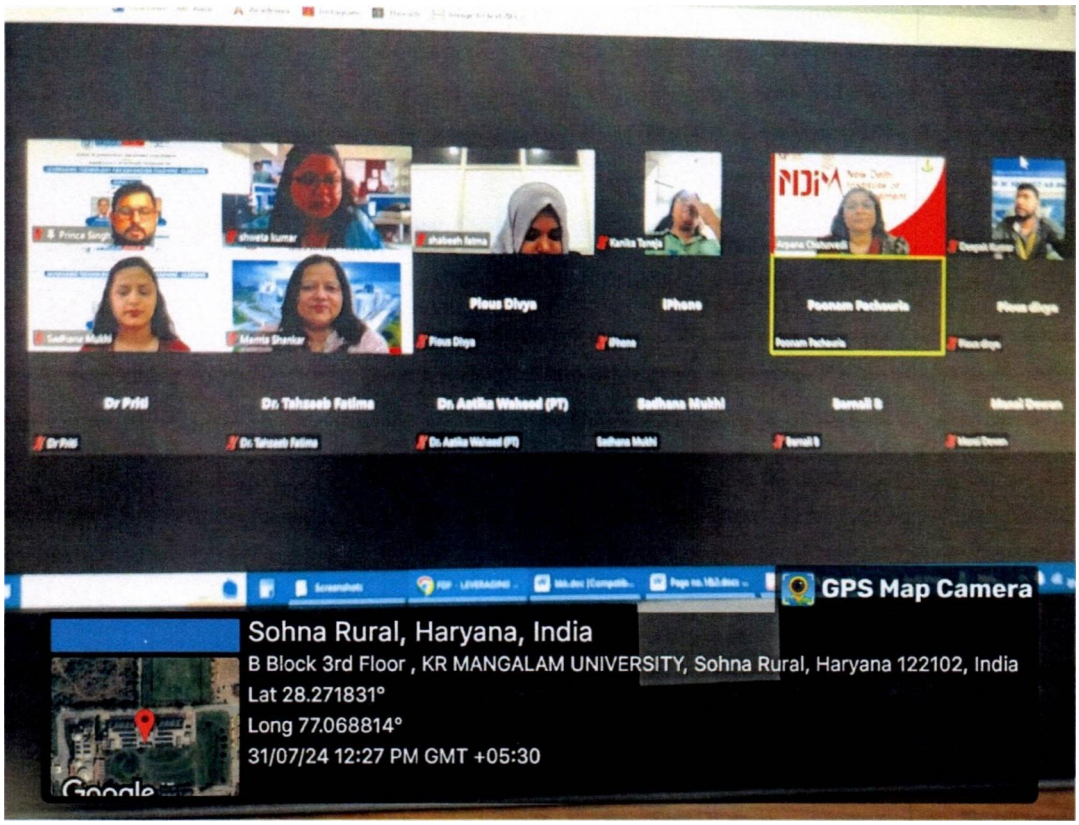
PIC 16- Dr. Arpana demonstrating use of SASS

VOTE OF THANKS

The 6 Day FDP concluded with a vote of thanks by Dr. Mamta Shankar (P.T.) and Dr. Sadhana Mukhi (P.T.). The speakers expressed their gratitude for being a part of the programme and look forward to further such collaborations.



PIC 17- Vote of Thanks



PIC 18-Conclusion of the FDP

MEDIA COVERAGE

The media coverage was extensive and highly positive. Leading newspapers, online platforms, and professional journals covered the event, highlighting its significance in leveraging technology Coverage included feature articles, interviews with keynote speakers, and reports on key sessions and presentations. Social media platforms like Facebook and Instagram buzzed with updates, photos, and insights shared by attendees, amplifying the FDP's reach and impact. The media attention not only provided valuable exposure for the FDP but also underscored the importance of physiotherapy in healthcare and research.

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