



TECNIA INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE

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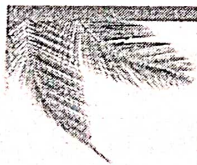
Report

Faculty Development Program

Department of Information, Communication & Technology

Title : Recent Advancement in AI and Cloud Computing
 Date : 26-04-2023 to 02-05-2023
 No. of Participants : 62
 Convener : Mr. Abhishek Kumar
 Co-Convener : Ms. Geeta Rani
 Mode : ONLINE (MS Team)

Dr. Deepak Sonkar 16/5/23
(Dr. Deepak Sonkar)



Department of Information Communication & Technology

•• Organizing ••

ONE WEEK FACULTY DEVELOPMENT PROGRAM

"Recent Advancement in Artificial Intelligence & Cloud Computing"

Friday 26th April - Tuesday 02nd May 2023 | 06:00 PM - 07:00 PM

Venue : Online (MS Team)

•• Speaker ••



Mr. D.P.S. Rathore
Asst. Prof., BITS Ghaziabad



Mr. Anuj Kumar
Senior System Analyst, IBM



Dr. Krishna Bati Singha
Asso. Prof., TIPS, Dwarka



Mr. Narender Kumar
Sr. Software Developer



Dr. Ratish Kumar
Asso. Prof., Chandigarh University

Convener

Mr. Abhishek K. Upadhyay
Asst. Professor

Co-Convener

Mrs. Geeta
Asst. Professor

Head of Department ICT

Dr. Deepak Sonkar
Professor

Head of Department ICT

Dr. Arti Bajaj
Asso. Professor



Registration Link

www.tiaspg.tecnia.in

* No Registration Fee

Anshu 16/5/23
(Geeta Rani)

LEARNING OUTCOME:

The participants have learnt about

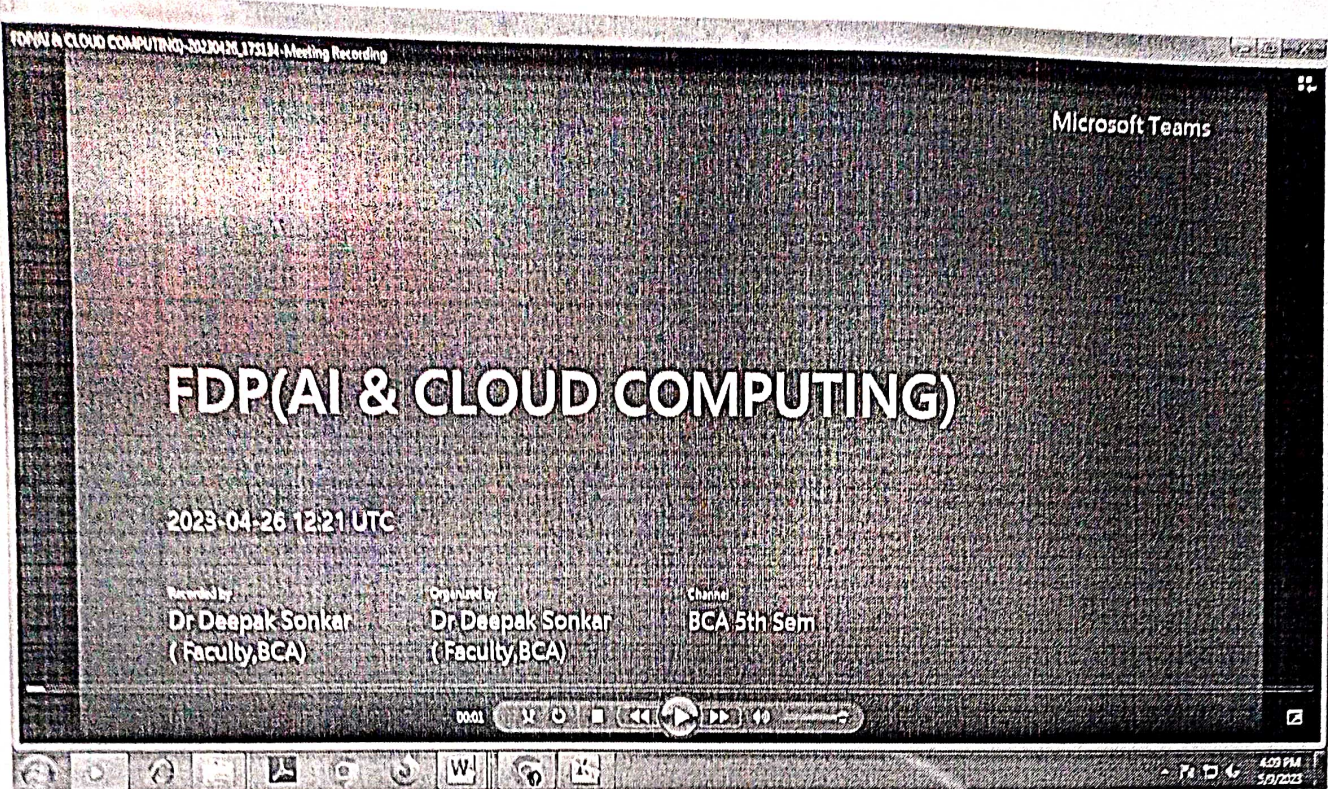
- Important application of AI in different sector.
- Machine learning techniques for detection and prevention of security attacks.
- Deep learning methods for fraud detections.
- Various free /open-source tools in AI & cyber security for research in computer.
- Accessibility of data anywhere, with any device
- Ability to get rid of most or all hardware and software
- Centralized data security
- Quick application deployment

The one-week Faculty Development Programme on artificial intelligence and cloud computing was organized by Tecnia Institute of Advance Studies.

DAY 1

The faculty development programme started on 26th April 2023 at 06:00pm with introductory speech. There were 62 participants from different colleges and TIAS, Rohini. The session was started with an opening remark by Dr. Deepak Sonker, HOD - ICT Department followed by the welcome speech by Ms. Geeta Rani. The programme progressed with the inaugural lecture by Dr. Mr. Dharmendra Pratap Singh Rathore in which he mainly focused on the importance of Theory of computation in writing efficient algorithms that operate on computer devices, research and development of programming languages and in compiler design and construction. The primary goal of creating this theory was to broaden approaches for explaining and analyzing the active performance of discrete systems. The session ended with a question answer round and a thank you note by the Ms. Geeta Rani.

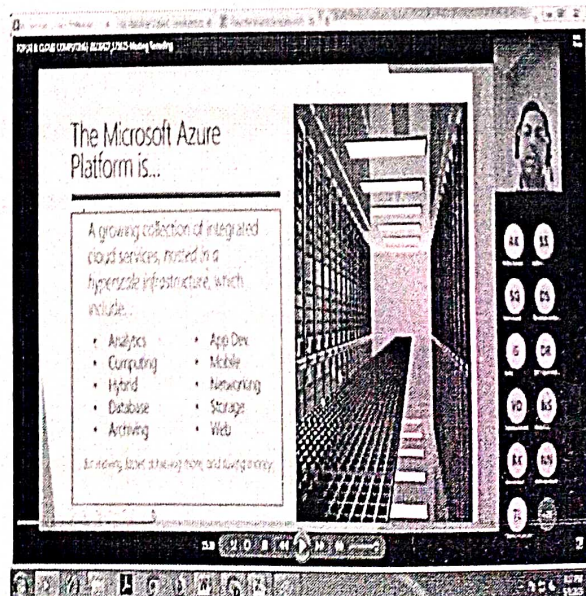
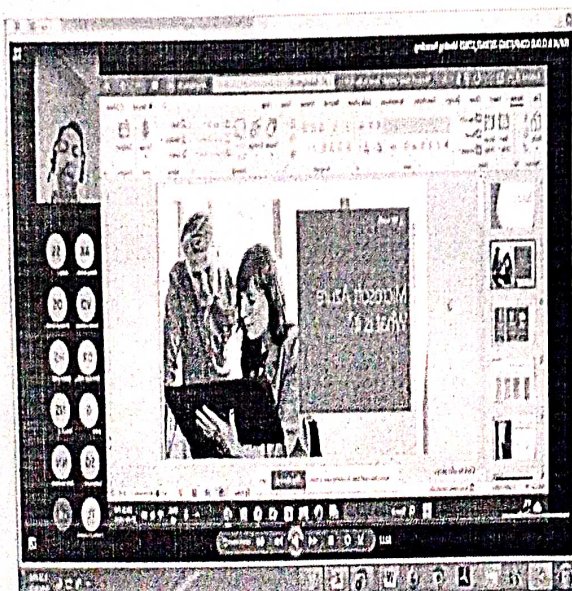
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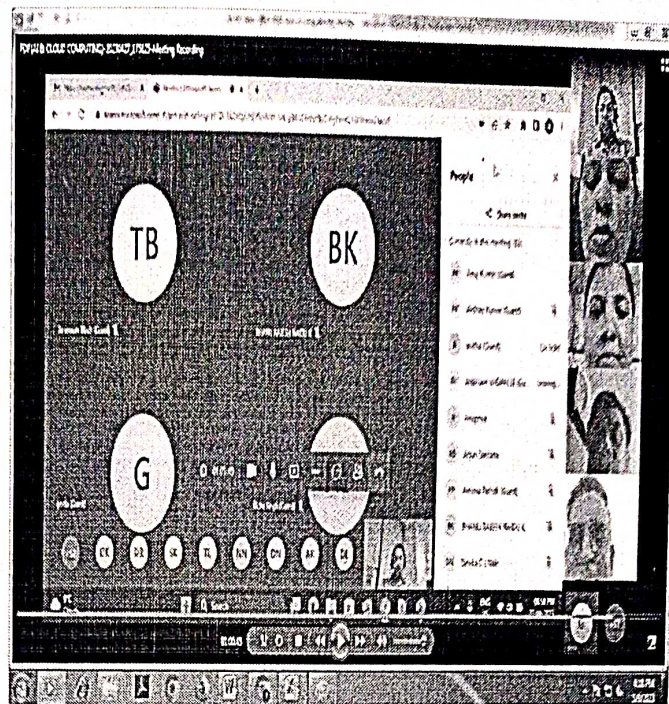
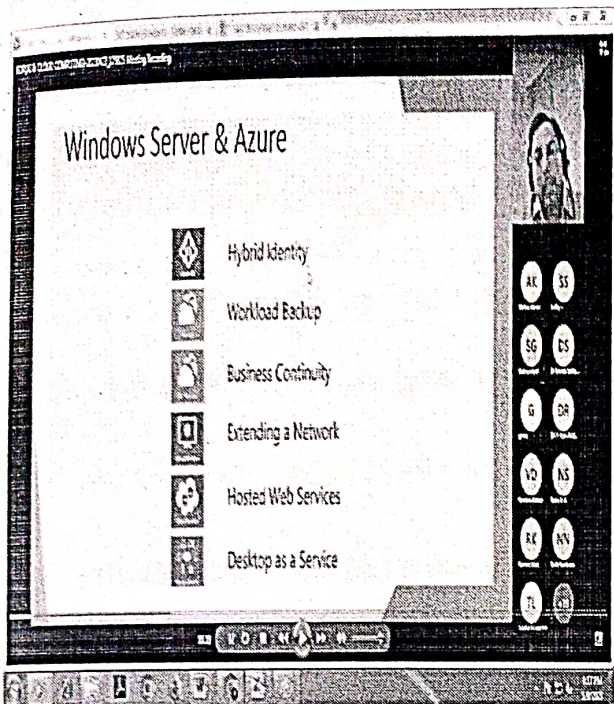
Day 2

The session of day two started with an introductory remark by Ms. Geeta Rani. The session was carried forward by Mr. Anuj Kumar as he explained about AI solutions using the latest models by Azure tools and Azure cloud concept (SAAS, PAAS, IAAS). He explained principles of cloud computing and their implementation in Microsoft Azure. He explained **Azure Cloud Services in AI and Machine Learning**

The session of the day ended with a question answer round followed by thank you speech.



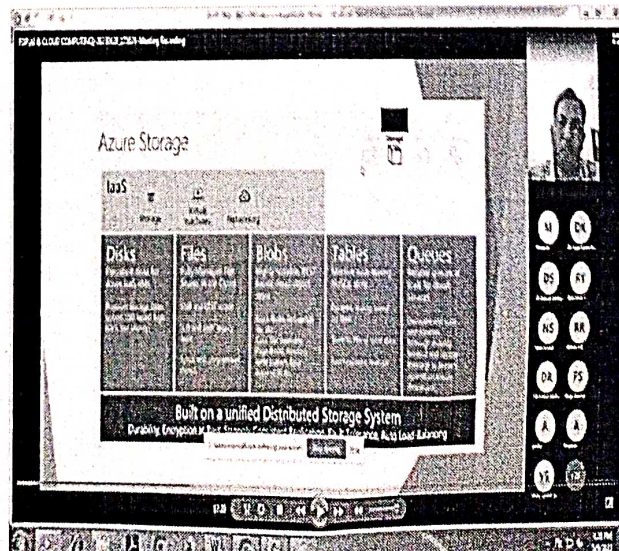
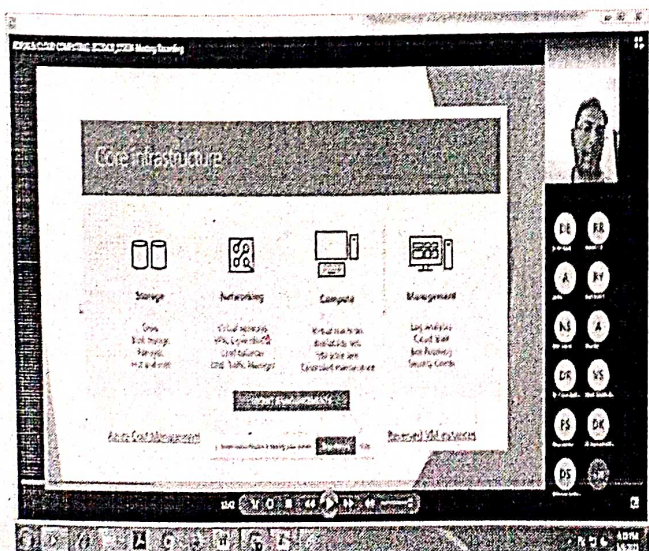
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Day 3

The day 3 of faculty development program started with a warm welcome of all the participants by the convener of the event. The session started by Mr. Anuj Kumar. This session was continuing session of day 2. He explained the benefits of Cloud computing in many ways. With cloud computing, we're no longer required to have our own server, cables, network switches, backup generators, redundant routers, and so on. Depending on the cloud provider we choose, they can manage all of this for a monthly fee. Reducing expenses is essential in any business model and every cloud-based platform benefits from this factor alone. The programme end with a thank you note.

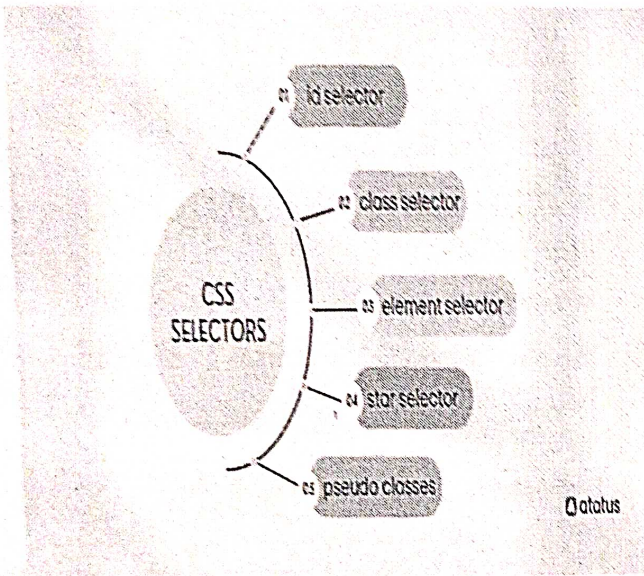
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Day 4

The day 4 sessions started with introduction and welcome speech by Ms. Geeta Rani. The session started with brief introduction on JavaScript, CSS and JIRA Project Tracking software by the resource person, Mr Narender Kumar. He explained the Web API, ORM, TFS, JIRA and Angular with practical implementation. Later in the session Mr. Narender kumar cleared various doubts of the participants and the session ended with a thankyou note by Ms. Geeta Rani.

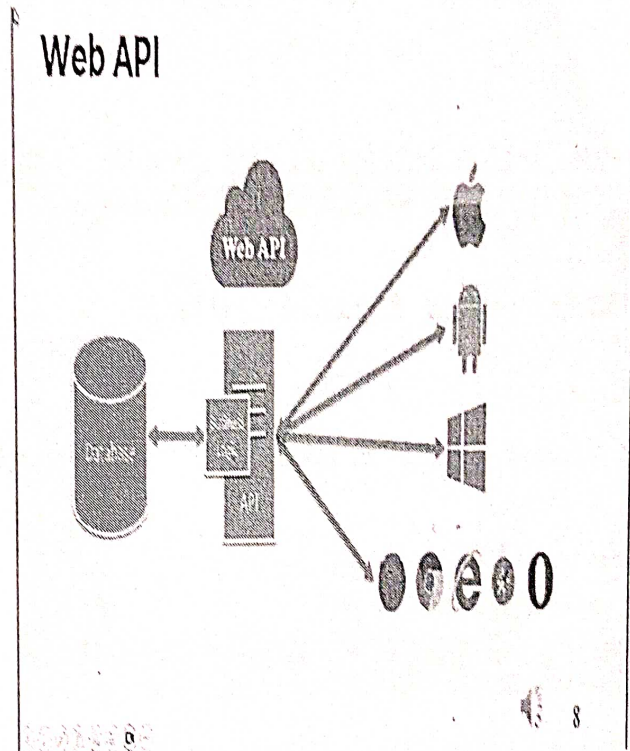
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Web API

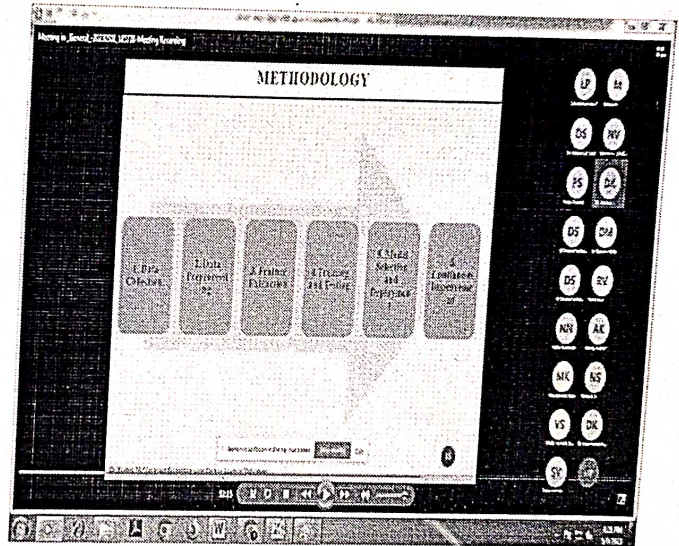
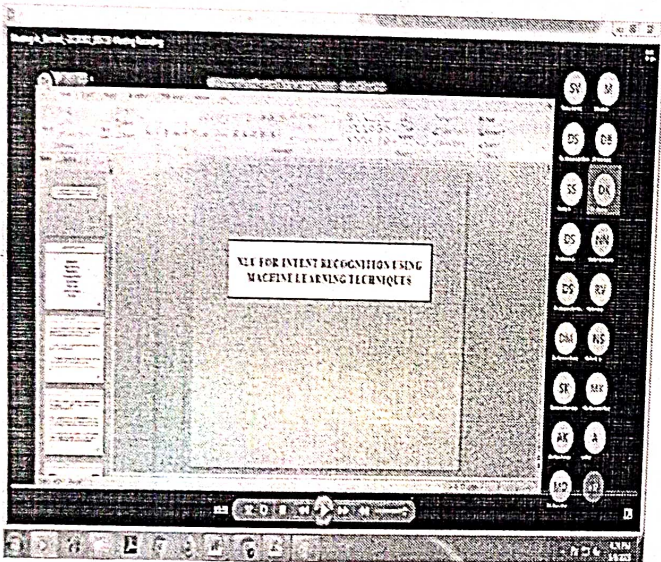


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Day5

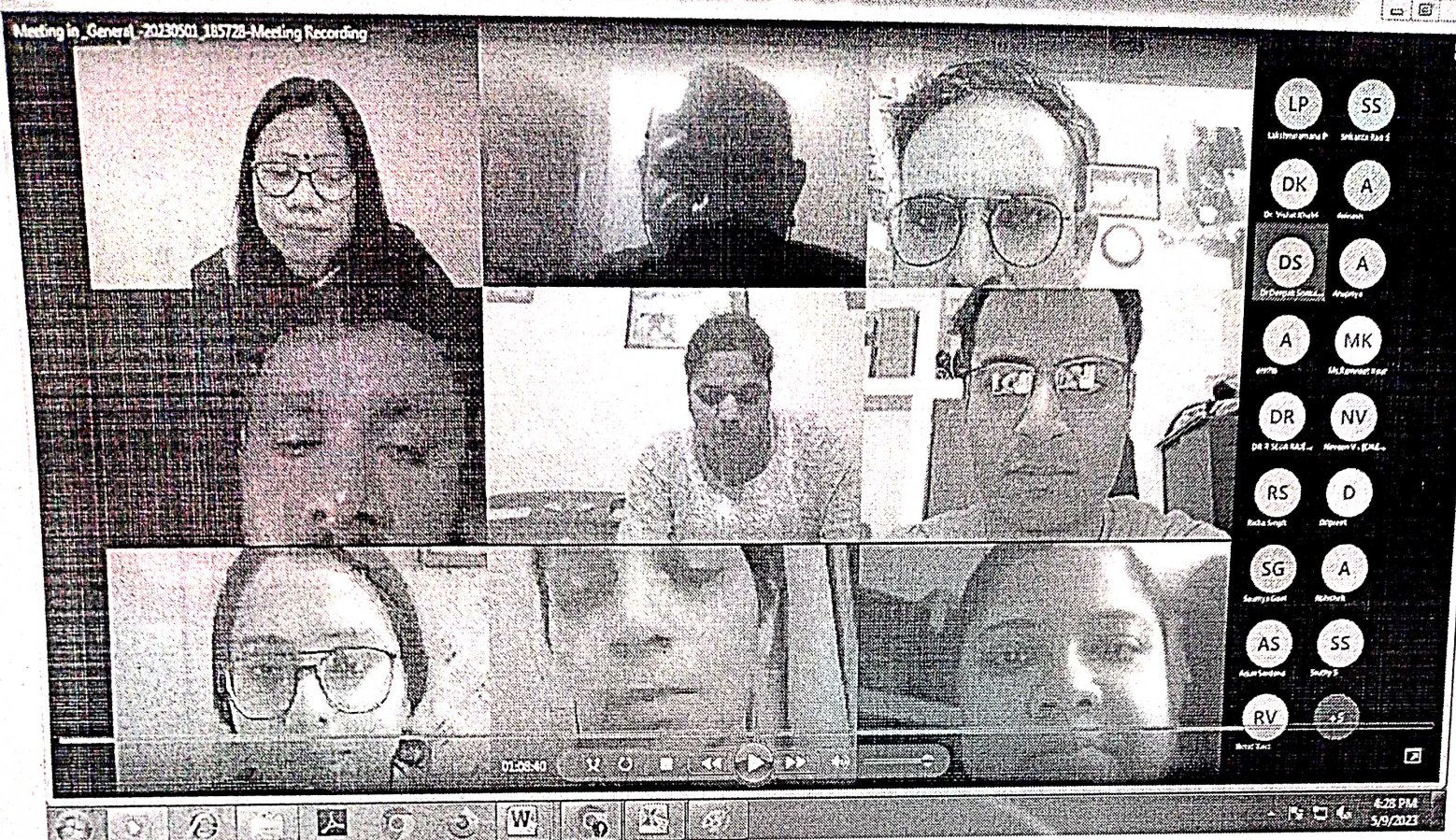
The events started with a welcoming speech by Ms. Geeta Rani followed by the introduction on the topic by Dr. Krishna Bati Singha. She introduced Natural Language Processing; Machine learning and Artificial Intelligence techniques. She explained NLP is important because it helps to resolve ambiguity in language and adds useful numeric structure to the data for many downstream applications, such as speech recognition or text analytics. A question answer round was held where the participants clear their doubts from the resource person. The FDP ended with a thank you note.



Day6

On Day 6 the resource person, Dr. Ratish Kumar introduced about Adoption of machine learning techniques to innovate time sensitive network control applications. He explained Machine Learning is one of the most popular sub-fields of Artificial Intelligence. Machine learning concepts are used almost everywhere, such as Healthcare, Finance, Infrastructure, Marketing, Self-driving cars, recommendation systems, catboats, social sites, gaming, cyber security, and many more. A question answer round was held where the participants clear their doubts from the resource person. The FDP ended with a thank you speech by Ms. Geeta Rani.

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