K.R. Mangalam University

K.R. Mangalam University is located at wonderful location with magnificent view of Aravalli hills. The campus is beautiful having all facilities and resources for conducting learning environment. The University offers a large number of UG, PG and Doctoral programs in Applied Sciences, Engineering, Computer Sciences, Pharmacy, Business Management, Education, Media Studies, Law, Governance, Architecture, Hotel agement, Agriculture etc.

University has an excellent infrastructure with state-of-art laboratories, computer labs, library and campus wide Wi-Fi facility. The University is ably led by the Chancellor Prof. Dinesh Singh, who is a great visionary and educationol administrator. VC Prof. P. Prakash and Pro-VC Prof. P. Tripathi, ensure innovative pedagogy quality of teaching and research.

K.R. Mangalam University has been a niche to the learned faculty members from all fields. The University has been organizing many National and International events in different areas funded by repute government/non-government agencies.

About FDP

Faculty development program intents to facilitate up-graduation of knowledge and skill development of faculty/corporates in active thrust areas. Training in Artificial intelligence and Machine learning will bring the required transformation towards research and development. The department of Computer Science and Engineering are taking an initiative to train the keen learners for entrepreneurial challenges in the field. This FDP will prove to be a launch pad for building successful and satisfying career for educator, researcher and corporates. We will continue to strive to make the FDP a rewarding experience in this active sector of development.

Topics

- Convolutional Neural Network and Computer Vision
- Machine Learning Algorithms for Classification and Prediction - Python Implementation
- Explainable Artificial Intelligence in Industry
- Digital Twins: Revolution in Manufacturing Industry
- Machine Learning in Assistive Technology: Improving Learning and Accessibility for Learning Disabled
- Importance of Activation Functions in Deep Neural Networks
- Meta Heuristic Techniques for Data Clustering, Dimension Reduction and Outlier Detection
- Machine Learning in Assistive Technology: Improving Learning and Accessibility for Learning Disabled
- Machine Learning: Dedicated hands-on session

Eligibility

This Faculty Development is open to all faculty members from recognized Universities/ Institution, Research scholars and Industry Delegates.

Program Fees

The Registration fee for joining this program

Faculty/Research Scholars ₹ 100	Industry Delegates ₹ 300

Members & Speakers

- **CHIEF PATRON**
  - Prof. Dinesh Singh, Chancellor, KRMU
- **PATRONS**
  - Prof. P. Prakash, Vice Chancellor KRMU
  - Prof. P. Tripathi, Pro-Vice-Chancellor, KRMU
- **COORDINATORS**
  - Dr. Neeraj Gupta, CSE, SOET, KRMU
  - Ms. Asha Sohal, CSE, SOET, KRMU
  - Ms. Anu Sharma, CSE, SOET, KRMU
- **EMINENT SPEAKERS**
  - Dr. Anand Nayyar, IT, Duy Tan University, Da Nang, Vietnam
  - Ms. Diksha Pundir, Subject Expert from IBM
  - Mr. Vishwas Soni, Subject Expert from Samatrix
  - Dr. Pawan Whig, Dean Research, CSE, Vivekanandainstitute of Professional Studies, New Delhi
  - Dr. Neelu Jyothi Ahuja, Professor & Head, Department of Systemics, School of Computer Science, University of Petroleum and Energy Studies, Uttrakhand.
  - Dr. Sudhir Sharma, Prof., Head of Department, IITM Janakpuri, New Delhi
  - Dr. Kiran Kumar Ravulakollu, Assistant Dean Research and Development, University of Petroleum and Energy Studies, Uttrakhand.
  - Dr. Minakshi, Associate Prof., CSE, Uttaranchal University,Uttrakhand.
  - Dr. Vikas Thada, Associate Prof., CSE, Amity University, Haryana.
  - Dr. Pradeep Kumar, Associate Prof., CSE& IT, Maulana Azad National Urdu University, Hyderabad
  - Dr. Sunil Kumar, Assistant Prof. (senior grade), Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh
  - Ms. Sunil Kumar, Assistant Prof. (selection grade) department of Cybernetics, school of Computer Science, University of Petroleum and Energy Studies,
  - Mr. Gaurav Srivastav, Assistant Prof., Chandigarh University, Chandigarh

PAYMENT DETAILS

NEFT/DD In favour of **K.R. MANGALAM UNIVERSITY**, HDFC BANK LTD., SOHNA, DISTT. GURUGRAM - 122103
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For Paytm:

http://m.p-y.tm/KRMangalamoni_sms (click on new registration tab and select event registration fee to make a payment)

Registration Link: https://forms.gle/7A3Wjk3uRHDeXQrk6

CONTACT DETAILS

K.R.MANGALAM UNIVERSITY
SOHNA ROAD,GURUGRAM DELHI NCR.
EMAIL: Dean, SOET-Dean.soet@krmangalam.edu.in
PHONE: +91-8800697010, 011-48884888
HELPLINE: 0124-2867800
www.krmangalam.edu.in

K.R. MANGALAM UNIVERSITY
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Faculty Development Programme
on

"ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING: NEED OF AN HOUR"

26th to 30th july 2021

Organized By

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
School of Engineering & Technology

Registration Last Date
21st July, 2021

Phone No : +91-8800697010, Help Line No.: 011-48884888
www.krmangalam.edu.in

FIVE DAY ONLINE FACULTY DEVELOPMENT PROGRAM

ON

Artificial Intelligence and Machine Learning Need of an Hour

26th-30th July, 2021

Organized by
School of Engineering and Technology

Day and Date	9:30 AM to 11:00 AM	11:30 AM to 1:00 PM	2:00 PM to 3:30 PM
July, 26/ Monday	***Session-1***	***Session-2***	***Session-3***
	Introduction to AI and IOT Dr. Pawan Vivekanada Institute of Professional Studies, New Delhi.	Machine Learning Algorithms for Classification and Prediction - Python Implementation Dr. Pradeep Kumar Maulana Azad National Urdu University, Hyderabad	AI - A Sustainable pathway into the future Dr. Kiran Kumar Ravulakollu University of Petroleum and Energy Studies, Uttrakhand
July-27/ Tuesday	***Session-4***	***Session-5***	***Session-6***
	Explainable Artificial Intelligence in Industry Dr. Anand Nayyar Duy Tan University,Da Nang, Vietnam	Digital Twins: Revolution in Manufacturing Industry Dr. Anand Nayyar Duy Tan University,Da Nang, Vietnam	Importance of Activation Functions in Deep Neural Networks Dr. Sudhir Sharma IITM Janakpuri, New Delhi
July-28/ Wednesday	***Session-7***	***Session-8***	***Session-9***
	Convolutional Neural Network and Computer Vision Dr. Vikas Thada Amity University, Gurgaon	Data Visualization Ms. Diksha Pandit IBM	Supervised Machine Learning Dr. Minakshi Memoria Uttaranchal University, Uttrakhand
July-29/ Thursday	***Session-10***	***Session-11***	***Session-12***
	Machine Learning in Agriculture Ms. Sunil Kumar University of Petroleum and Energy Studies, Uttrakhand	Meta Heuristic Techniques for Data Clustering, Dimension Reduction and Outlier Detection Dr. Yugal Kumar Jaypee University of Information Technology, Solan, Himachal Pradesh	Machine Learning: Hands-on Mr. Gaurav Srivastav Chandigarh University, Chandigarh
July-30/ Friday	***Session-13***	***Session-14***	
	Machine Learning in Assistive Technology: Improving Learning and Accessibility for Learning Disabled Dr. Neelu Jyothi Ahuja University of Petroleum and Energy Studies, Uttrakhand	Machine Learning Work With Different Library of Skyitlearn and Ensemble Method Mr. Vishwas Soni Samatrix	Feedback and Valediction

Report on Faculty Development Program on Artificial Intelligence and Machine Learning: A need of an Hour.

Department of Computer Science and Engineering- School of Engineering and Technology, K R Mangalam University, Gurugram organized five days online faculty development program on "Artificial Intelligence and Machine Learning: A need of an Hour" held during 26-30th July, 2021. The objectives of the FDP are to train our faculty, researchers and technocrats to solve issues address by artificial intelligence and machine learning, creation of new knowledge, develop robust research echo-system in Machine Learning and AI. In this FDP, various architectures, techniques and algorithms of ML and AI and various advanced solutions created by professors of esteem universities and industries based on IT Sector, are to be incorporated for advanced knowledge for various technocrats for future applications. We have received registrations across India. Due to limitation of online platforms and smooth conductions of the FDP, we have selected only 13 delegates from various universities, colleges, industries across India and Abroad for the FDP. We have invited renowned and well-experience resource persons namely,

Dr. Pawan Whig , Vivekananda Institure of Professional Studies, New Delhi, Dr. Pradeep Kumar, Maulana Azad National Urdu University, Hyderadad, Dr. Kiran Kumar- University of Petroleum and Energy Studies, Uttrakhand, Dr. Anand Nayyar- Duy Tan University- Vietnam, Dr. Sudhir Sharma- IITM, New Delhi, Dr. Vikas Thada- Amity University, Ms. Dikha- IBM, Mr. Sunil Kumar- University of Petroleum and Energy Studies, Uttrakhand, Dr. Minakshi Memoria- Uttranchal University, Uttrakhand, Dr. Yugal Kumar- Jaypee University, Mr. Gaurav Srivastav- Chandigarh University, Dr. Neelu Jyothi Ahuja- University of Petroleum and Energy Studies, Uttrakhand, Mr. Vishwas Soni- Samatrix headed the session of the faculty development program. The resource speakers have been shared their findings, facts, and demonstration of various new solutions developed by them using ML and AI in the area of healthcare, education, agriculture, Convolution neural network and computer vision, image processing, digital twins, Data clustering, Dimension reduction, outlier detection and data visualization along with hands-on session. Various solutions have been demonstrated using technologies of Machine Learning and Artificial Intelligence by resource persons.

The valedictory function organized on 30th July, 2021 with a thanks note from senior members from the school of Engineering and Technology.

At the end of the FDPs, delegates are able to

- To understand fundamentals, technologies, architecture, algorithms of ML, and AI with its applications.
- To aware various hardware and software platforms to implement any future solutions based on ML, and AI.
- To identify of optimized algorithms, technologies to develop any future applications.
- To explore various research opportunities and challenges in the field of ML, and AI and its applications.

Faculty Development Program (FDP) on Artificial Intelligence and Machine Learning-Need of the hour
01:44:57
Leave
Participants
Invite someone or dial a number
Share invite
Presenters (2)
Mute all
Asha Sohal
Kriti Sharma
Attendees (27)
Prashant Chauhan (Guest)
Anjali Singh
Arvind Kumar (Guest)
ASHIRVAD 2001840005
Ashwani Kumar
Bharat Sharma (Guest)
Kriti Sharma
VICKY TYAGI 2001560001
Bharat Sharma (Guest)
POORNACHANDRA
Arvind Kumar (Guest)
Prashant Chauhan (Guest)
shanmukha raj
JAI BAHL 1901830001
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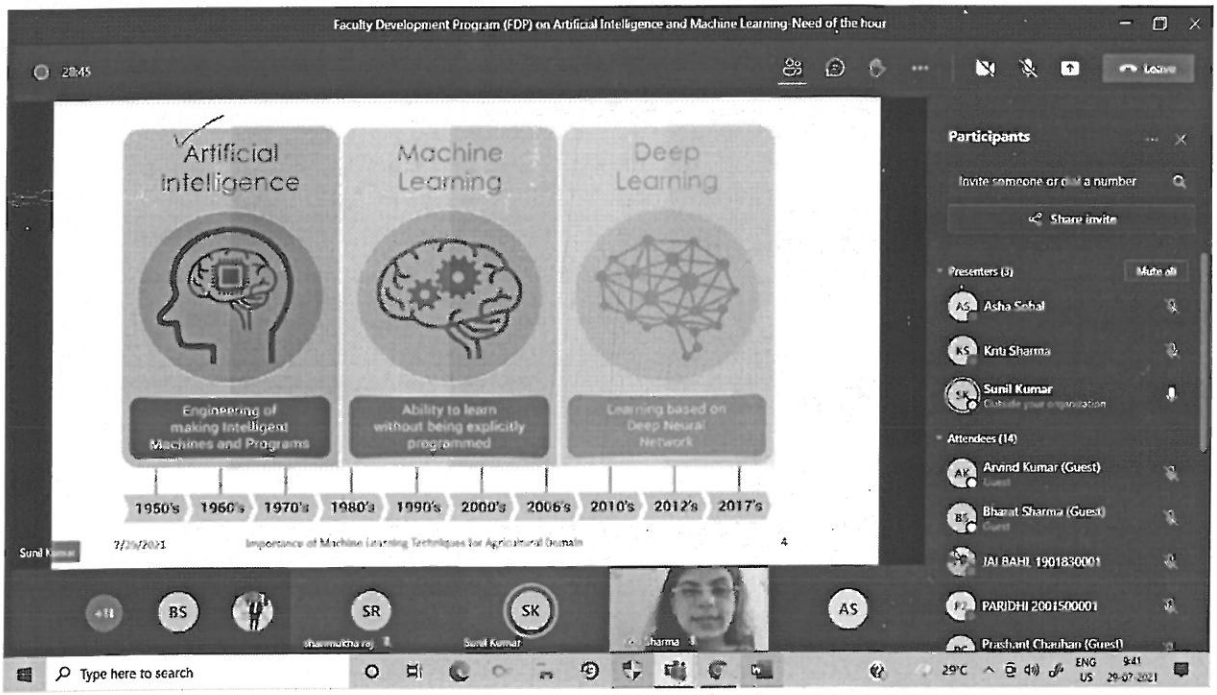
Faculty Development Program (FDP) on Artificial Intelligence and Machine Learning-Need of the hour
28:45
Leave
Artificial Intelligence
Machine Learning
Deep Learning
Engineering of making Intelligent Machines and Programs
Ability to learn without being explicitly programmed
Learning based on Deep Neural Network
1950's
1960's
1970's
1980's
1990's
2000's
2006's
2010's
2012's
2017's
Importance of Machine Learning Techniques for Agricultural Domain
4
Participants
Invite someone or dial a number
Share invite
Presenters (3)
Mute all
Asha Sohal
Kriti Sharma
Sunil Kumar
Attendees (14)
Arvind Kumar (Guest)
Bharat Sharma (Guest)
JAI BAHL 1901830001
PARIDHI 2001500001
Prashant Chauhan (Guest)
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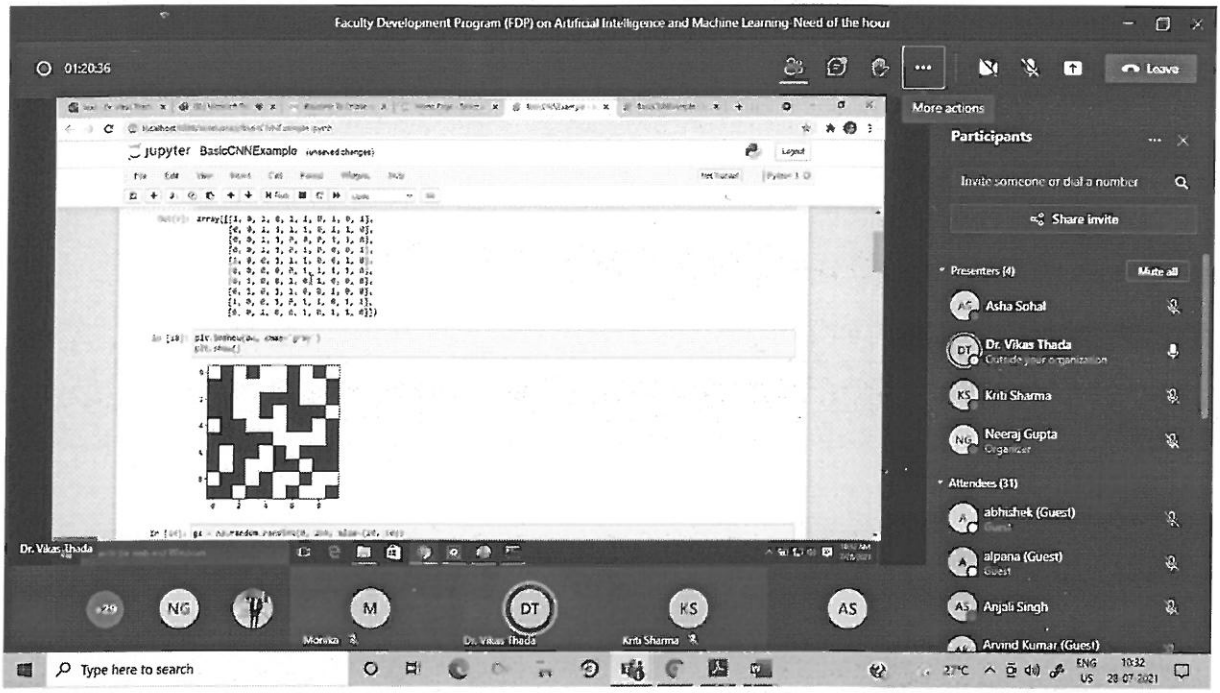
Faculty Development Program (FDP) on Artificial Intelligence and Machine Learning-Need of the hour
01:20:36
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More actions
jupyter BasicCNNExample (unsaved changes)
Participants
Invite someone or dial a number
Share invite
Presenters (4)
Mute all
Asha Sohal
Dr. Vikas Thada
Outside your organization
Kriti Sharma
Neeraj Gupta
Organizer
Attendees (31)
abhishek (Guest)
alpana (Guest)
Anjali Singh
Arvind Kumar (Guest)
Dr. Vikas Thada
Monika
Kriti Sharma
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ENG
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10:32
28-07-2021

Faculty Development Program (FDP) on Artificial Intelligence and Machine Learning-Need of the hour
Request control
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Participants
Invite someone or dial a number
Share invite
Presenters (4)
Mute all
Asha Sohal
Dr. Anand Nayyar (Guest)
Kriti Sharma
Neeraj Gupta
Organizer
Attendees (26)
Anjali Singh
Arvind Kumar
ASHIRVAD 2001840005
Dr. Anand Nayyar (Guest)
Vineet Dahiya
Kriti Sharma
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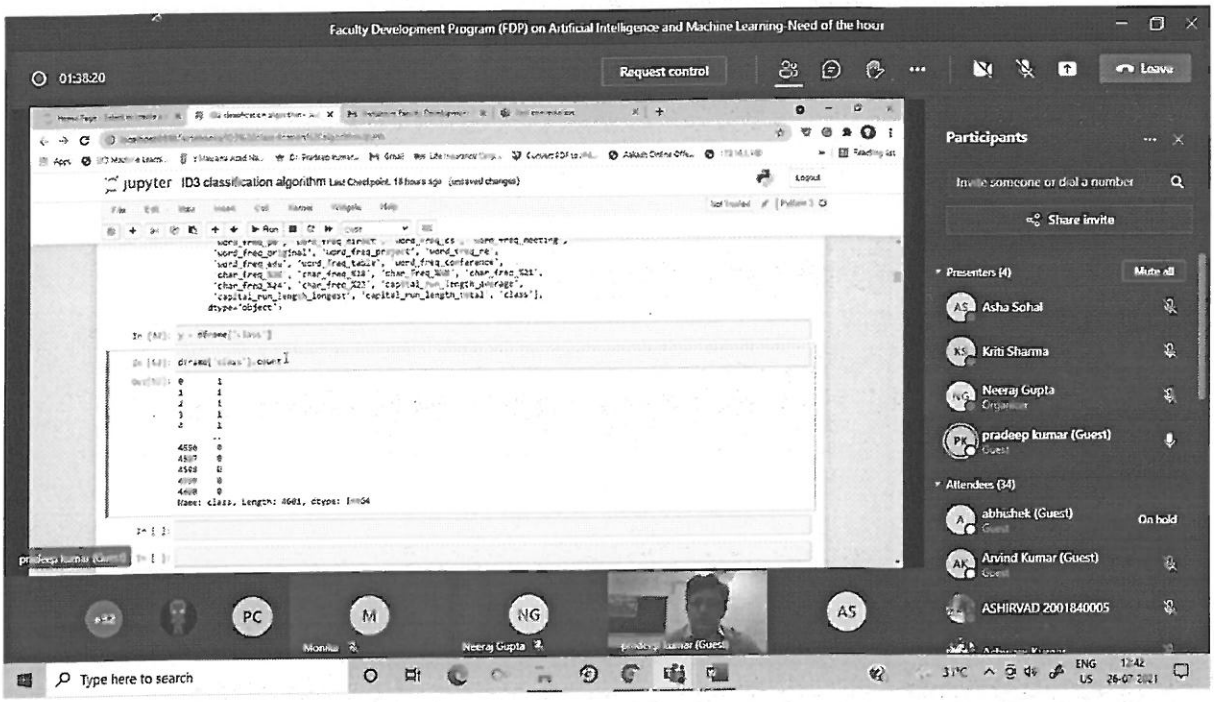
US
12:39
27-07-2021


Faculty Development Program (FDP) on Artificial Intelligence and Machine Learning-Need of the hour
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jupyter ID3 classification algorithm
Participants
Invite someone or dial a number
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Presenters (4)
Mute all
Asha Sohal
Kriti Sharma
Neeraj Gupta
Organizer
pradeep kumar (Guest)
Guest
Attendees (34)
abhishek (Guest)
On hold
Arvind Kumar (Guest)
ASHIRVAD 2001840005
Monika
Neeraj Gupta
pradeep kumar (Guest)
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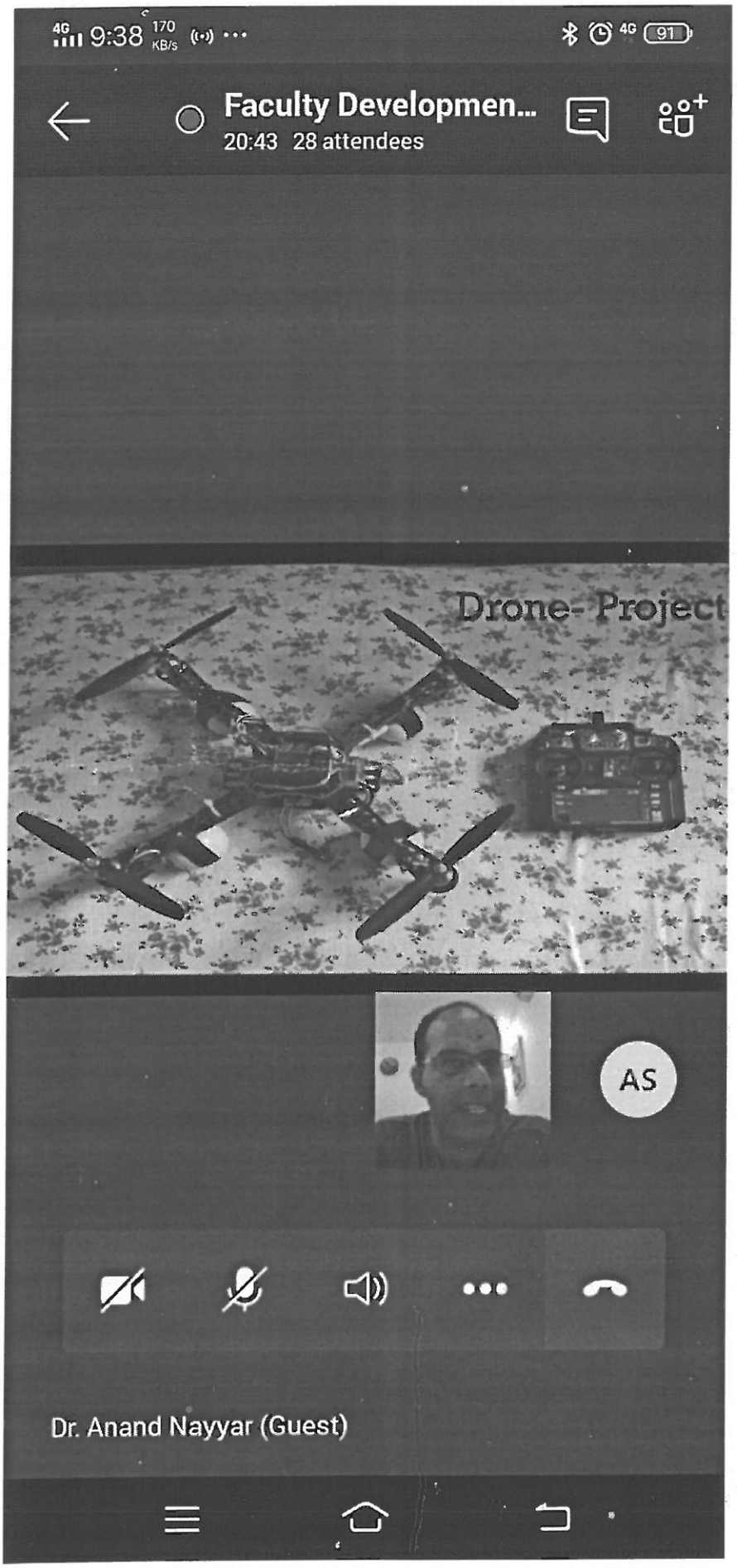
US
26-07-2021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Faculty Developmen...
20:43 28 attendees
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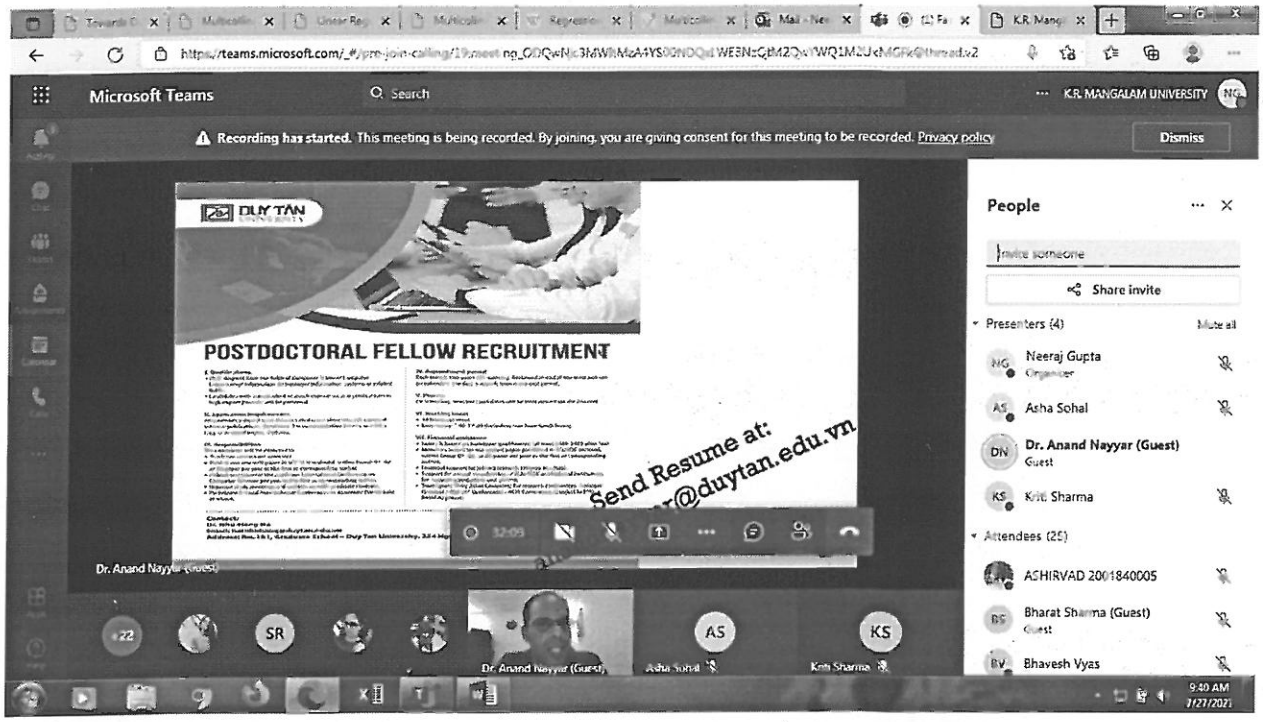
Dr. Anand Nayyar (Guest)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Organizer
Asha Sohal
Dr. Anand Nayyar (Guest)
Guest
Kriti Sharma
Attendees (25)
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Bharat Sharma (Guest)
Guest
Bhavesh Vyas
+22
SR
AS
KS
9:40 AM
7/27/2021