A Short Report of 5th International Conference on Recent Advances in Science (ICRAS-2021) in Online Mode

Date/Day of program	April 30 and May 1, 2021 (Friday & Saturday)
Organizing Committee	Dr. Satendra Singh (Convener) Dr. Ashutosh Pradhan (Co-Convener) Dr. Sandeepan Maity (Organizing Secretary) Dr. Sanjeev Kumar Jain (Organizing Secretary)
Chief Guest	Dr. S. V. Shukla, Director Fragrance & Flavour Developmet Center Ministry Of MSME- Government Of India, Kannauj.
Keynote Speaker	Professor. S. Sundar, Department of Mathematics, Indian Institute of Technology Madras (IIT Madras) Chennai 600 036, India.
Invited Speakers	Prof. M Singh (National University of Lesotho, South Africa) Prof. K N Tiwari (Banaras Hindu University, Varanasi) Prof. Devesh kumar (Babasaheb Bhimrao Ambedkar University, Lucknow) Prof Sudhir Kumar Srivastava (D D U Gorakhpur University, Gorakhpur) Dr. Subrata Chattopadhyay (IIT Patna) Dr. Neeraj Chaubey (University of Iowa, Iowa City, USA)
No. of Participants	**209**
Mode of Presentation	**Plenary Talk/InvitedTalk/ Oral/ Poster through Webex**

ICRAS-2021 (April 30 and May 1, 2021)

In Online Mode

The ICRAS-2021 was scheduled to be commenced on 30th April, 2021. The conference was intended to cover a wide range of subthemes in distinct branches of Science, viz., Life Science, Physical Science, Chemical Science and Mathematical Science.

The conference witnessed the active participation of about more than 200 participants from different Institutes/Universities of country in addition to many internal students.

The inaugural ceremony of the conference was started from 9:30 AM on 30th April, 2021 in which the Chief Guest was Dr. S. V. Shukla, Director FFDC, Kannauj and Professor. S. Sundar, IIT

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Madras was keynote speaker. After Inaugural ceremony the talks were delivered by both the eminent personalities which were thoroughly enjoyed by and participants. In his talk Dr. Shukla explained how his institute is helping people to setup their startups and business models in the field of medicinal and natural fragrances while the key note speaker Prof. Sunder highlighted how the different mathematical models can be utilized in making strategies to save people at crowded places during any mishappenings as well as at the time of any natural disaster. The conference is then followed by technical sessions of different streams.

On second day of the conference, technical sessions and poster presentations on different topics of different subjects were held. The conference ended with a valedictory session i.e. compilation of all two days' activities and distribution of prizes to the deserving participants. The conference was then officially called off with vote of thanks.

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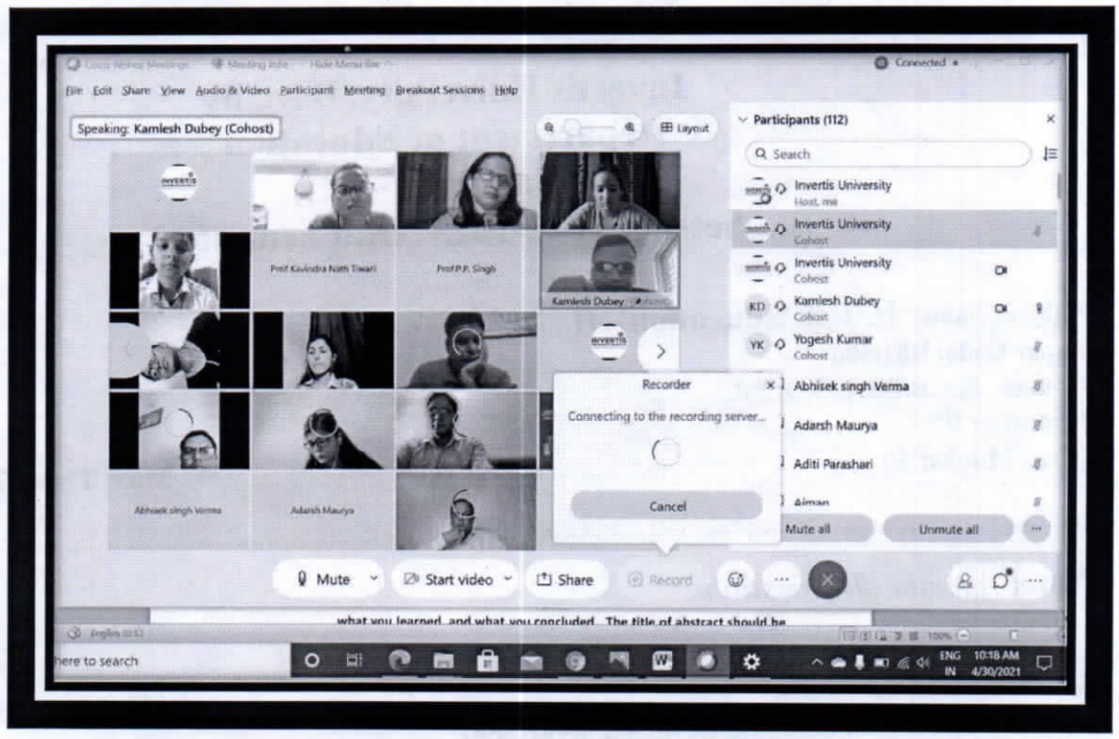

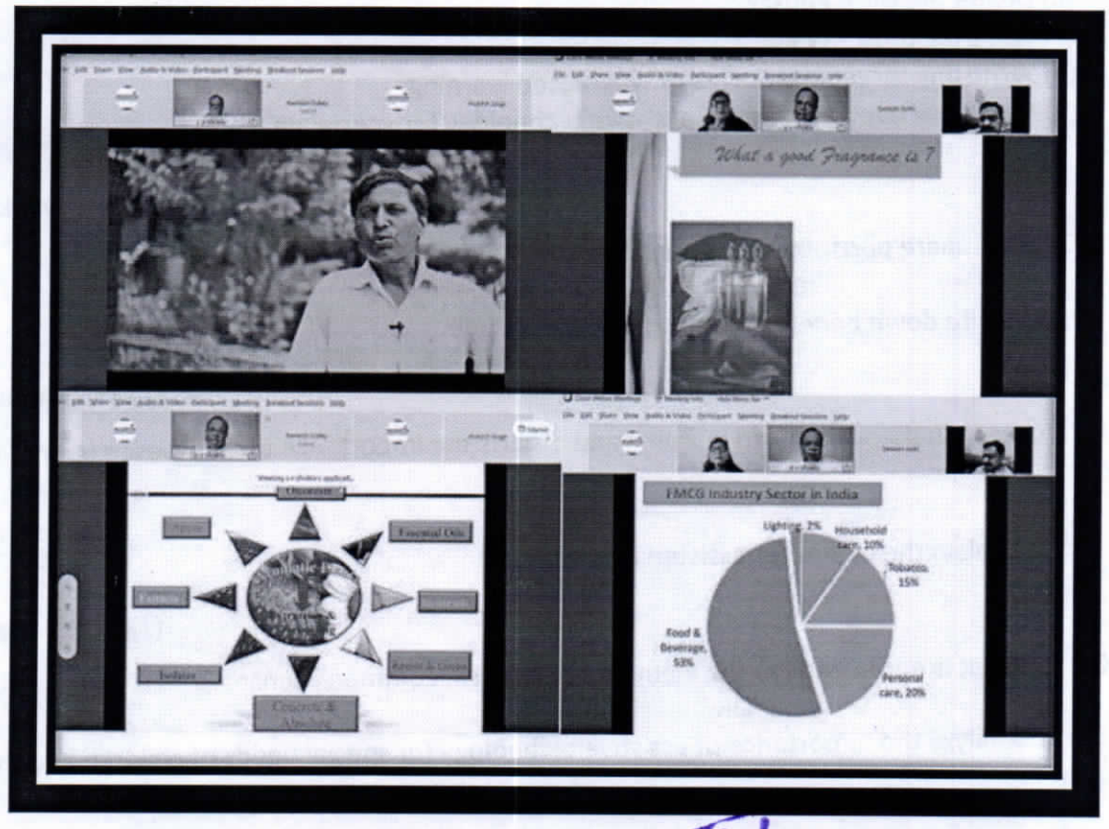

Glimpses of ICRAS-2021

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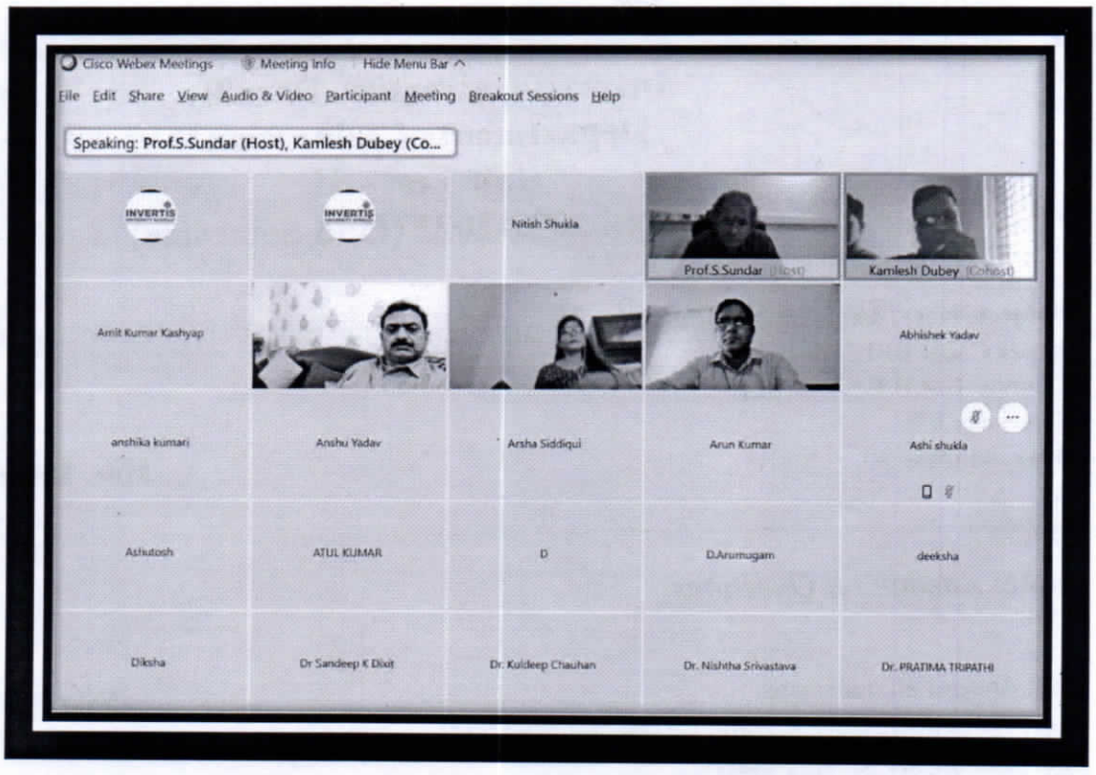

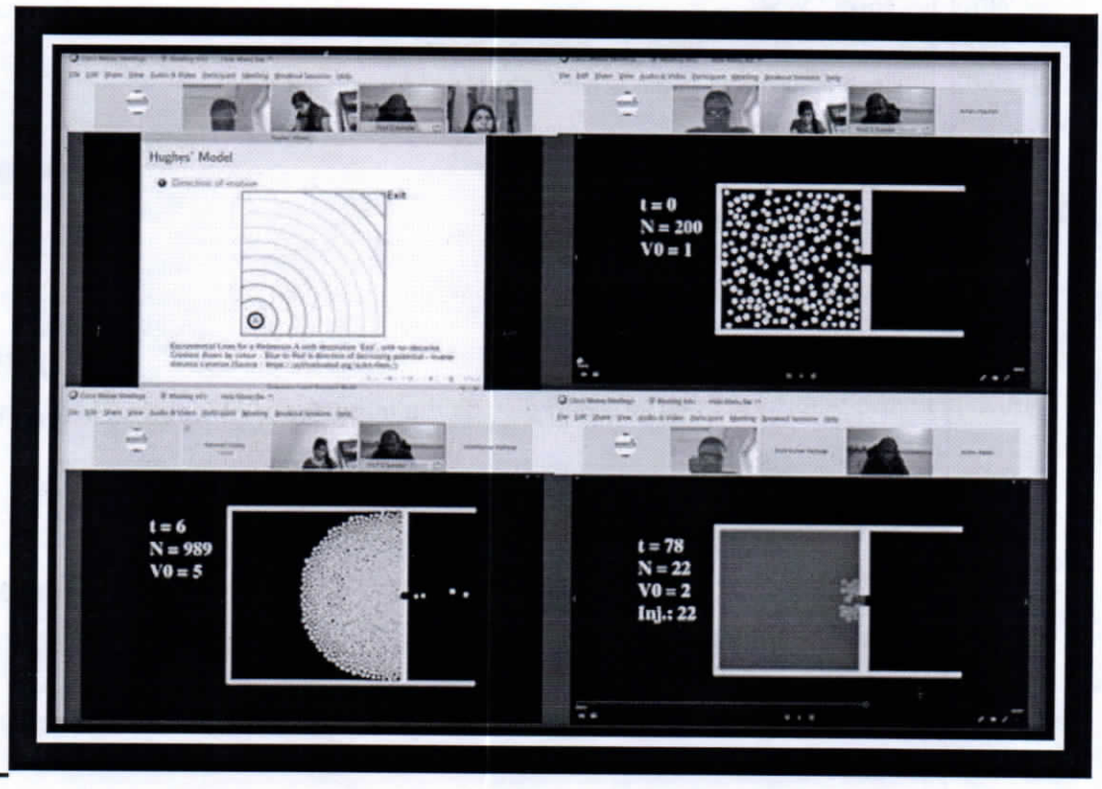

Glimpses of ICRAS-2021

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One week online FDP on Applicability of Mathematical Sciences in Emerging World, by Deptt of Applied Sciences & Humanities, Invertis University, Bareilly

The first session of second day was started at 10:00 a.m.by Prof. Bankteshwar Tiwari from Banaras Hindu University, Varanasi delivered his talk on **"Modern view point of geometry around us"**. He discussed and explained various geometrical concepts as spherical geometry, hyperbolic geometry and different model of geometry. He also explained concepts of Gaussian curvature. The lecture was very informative with interactive question and answer session. The session was hosted by Dr. Ruchi Mishra.

The afternoon session on day 2 was on **"Two Body Problem and Modeling Challenges" at 2:pm** . The speaker for the session was **Prof C K Mishra, Deptt of Physics, IIT Madras.** He was awarded special breakthrough prize in Fundamental Physics in 2016 for his work.

Prof Mishra has discussed the great challenges that lay ahead the scientists in even establishing what is a gravitational wave and the existence of Black Holes predicted by Albert Einstein about a century ago.

There was a very enthusiastic response from the participants who were motivated and fascinated by the details and the presentation of the lecture. In the end Prof Mishra responded to the questions from the participants and also said that this is a rising field of research and great activity will continue in the next at least 30 years and anyone opting for this field will have great challenges and also a very great future.

The session was chaired by Dr S K Jain and the host for FDP was Prof K K Dubey both from Invertis University.

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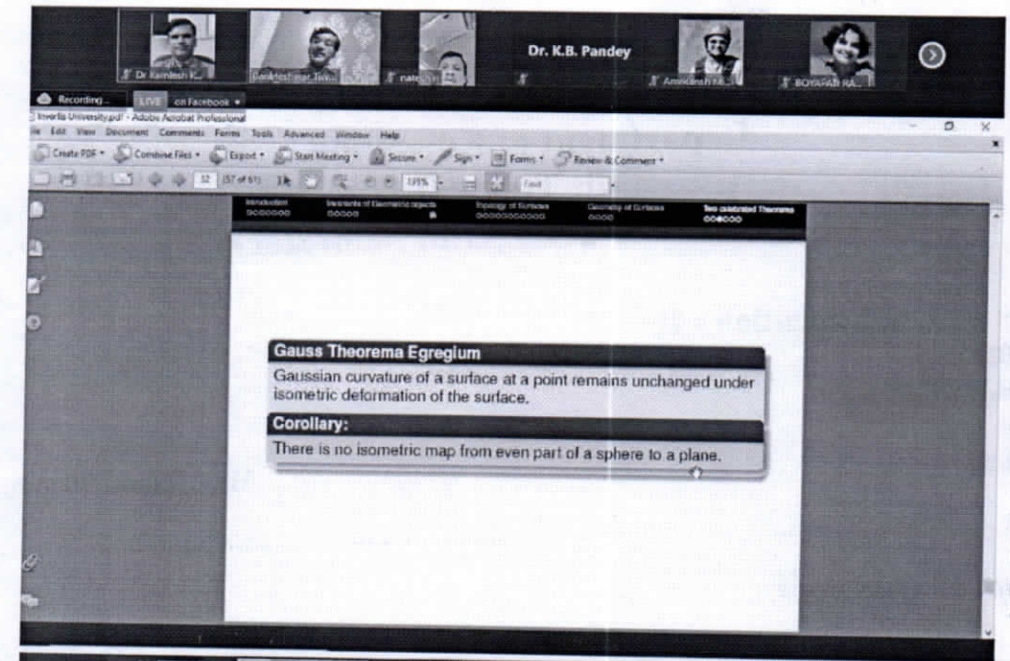

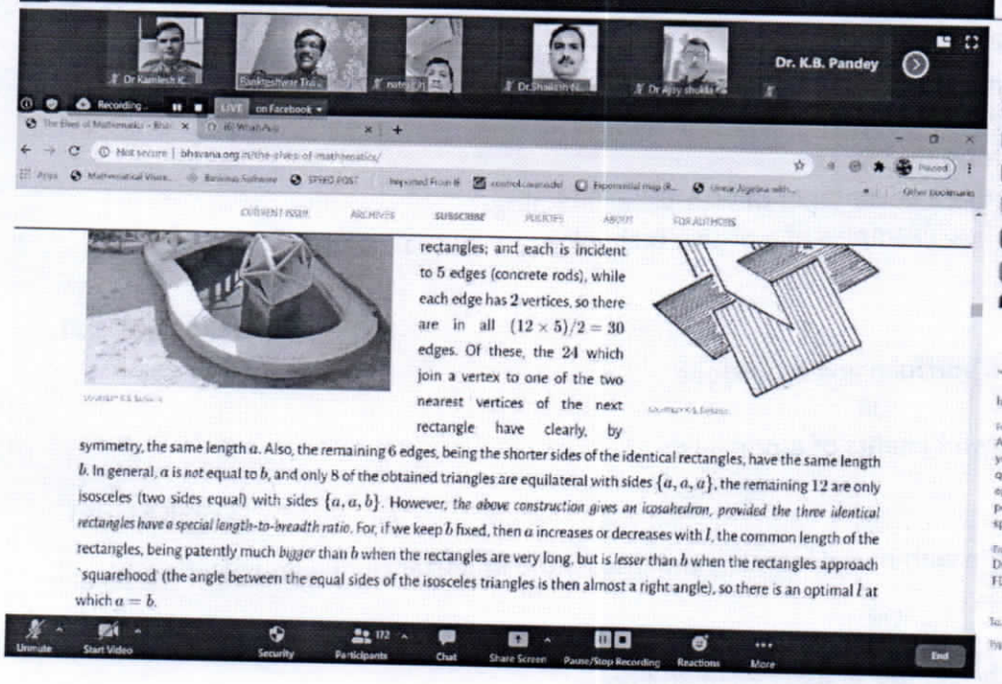

rectangles; and each is incident to 5 edges (concrete rods), while each edge has 2 vertices, so there are in all $(12 \times 5)/2 = 30$ edges. Of these, the 24 which join a vertex to one of the two nearest vertices of the next rectangle have clearly, by symmetry, the same length a. Also, the remaining 6 edges, being the shorter sides of the identical rectangles, have the same length b. In general, a is *not* equal to b, and only 8 of the obtained triangles are equilateral with sides $\{a, a, a\}$, the remaining 12 are only isosceles (two sides equal) with sides $\{a, a, b\}$. However, *the above construction gives an icosahedron, provided the three identical rectangles have a special length-to-breadth ratio.* For, if we keep b fixed, then a increases or decreases with l, the common length of the rectangles, being patently much *bigger* than b when the rectangles are very long, but is *lesser* than b when the rectangles approach 'squarehood' (the angle between the equal sides of the isosceles triangles is then almost a right angle), so there is an optimal l at which $a = b$.

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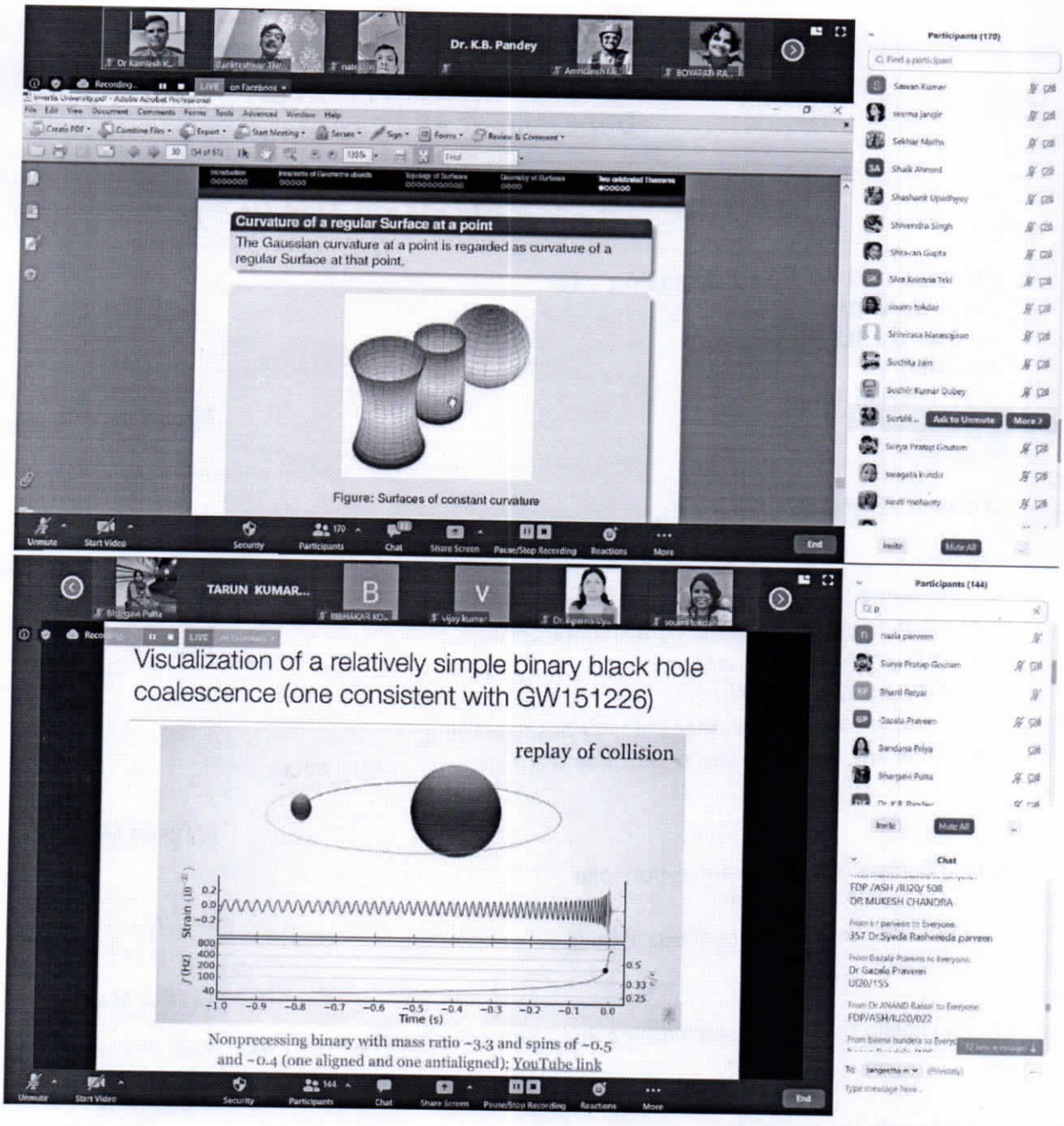

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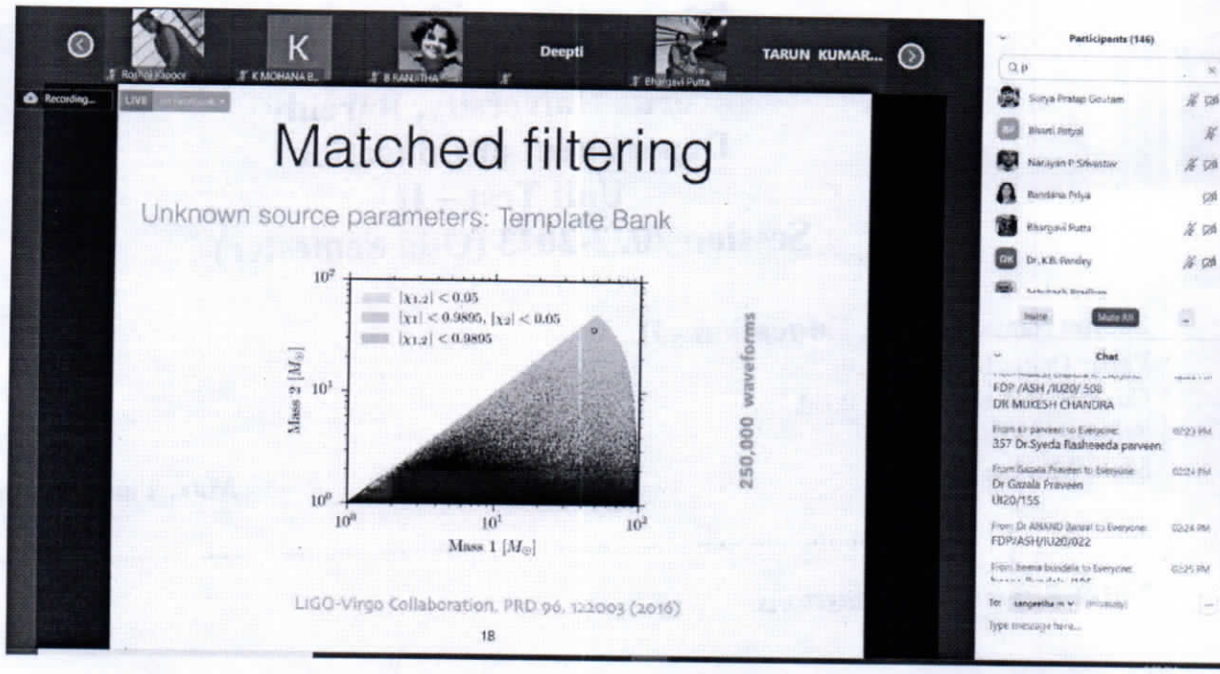

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One Week Online Faculty Development Programme
on
"Applicability of Mathematical Sciences in Emerging World"

Organised By

Department of Applied Science & Humanities, Invertis University, Bareilly

in Association with

The National Academy of Sciences | International Academy of Physical Sciences | Mathematical Sciences Institute

28th July to 02nd August-2020

Patron
Dr. Umesh Gautam
Chancellor, Invertis University, Bareilly

Prof. YDS Arya
Vice-Chancellor
Invertis University, Bareilly

Prof. P.P. Singh
Dean, Faculty of Science
Invertis University, Bareilly, India

Dr. Kamlesh Kr. Dubey
Head Dept. of Applied Science & Humanities
Invertis University, Bareilly, India
Convener

Dr. Jitesh Pati Tripathi
Department of Mathematics, R.N.College, Hajipur
B.R.A. Bihar University
Organising Secretary

Eminent Speakers

Prof. Satya Deo Tripathi
General Secretary- NASI
General Secretary- Indian Mathematical Society

Prof. P.N. Pandey
Ex. V.C. NGB University, Prayagraaj
General Secretary- IAPS

Prof. T. Venkatesh
Director, Mathematical Sciences
Institute, Belgaum, Karnataka

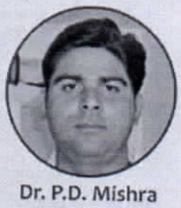
Prof. S.k. Narasimha Murthy
Chairman, Department of P.G. SRM,
Kuvempu University, Karnataka

Prof. A. Muhammed Uludag
Galatasaray University, Istanbul, Turkey

Prof. Bankteshwar Tiwari
Institute of Science, BHU, Varanasi

Prof. Gyaneshwer Chaubey
Faculty of Sciences, BHU, Varanasi

Prof. K.K. Agarwal
Delhi University



Dr. P.D. Mishra
ISRO Banglore

Dr. Jitendra Singh
VSK University, Bellary

Dr. A.K. Verma
IIT, Patna

Dr. Abhishek Saxena
Novosibirsk State University, Russia

Dr. C.K. Mishra
IIT Chennai

Contact: Dr. K.K. Dubey 9415267202 | Dr. J.P. Tripathi 9453477657 | **email:** ashevents@invertis.org

Note: No Registration Fee | Audience: Faculty members | E-certificate- After successful completion of the event and daily feedback form submission.

Registration link of google form: **https://forms.gle/WGH6nJKwrkS7UY186**

Campus: Invertis Village, NH-24,Lucknow-Bareilly Highway, Bareilly-243123 (U.P.)

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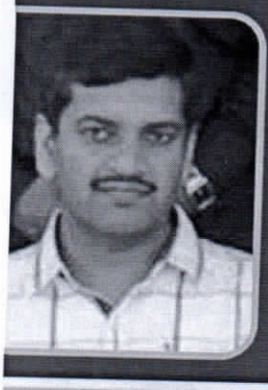
One-Week Online Faculty Development Programme

"Applicability of Mathematical Sciences in Emerging World"

INVERTIS UNIVERSITY BAREILLY



Prof. Banktesh Tiwari
BHU, Varanasi

Dr. C. K. Mishra
IIT Chennai

Topic

"Modern veiw point of geometry around us"

"Two body problem and modelling challenges"

Organised By

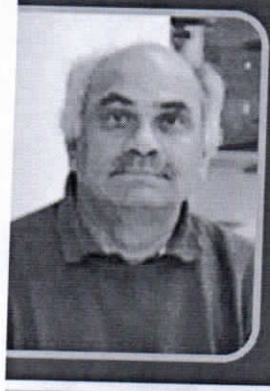
Department of Applied Science & Humanities

Time: 10:00AM-11:00AM | Date: 29 July, 2020 | Time: 02:00PM-03:00PM

One-Week Online Faculty Development Programme

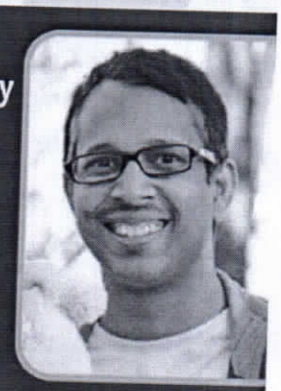
"Applicability of Mathematical Sciences in Emerging World"

INVERTIS UNIVERSITY BAREILLY



Prof. T. Venkatesh
Director, MSI, Karnataka

Prof. Gyaneshwar Chaubey
BHU, Varanasi



Topic

"What are the applications of Mathematics?. What are!"

"How mathematical modellings are shaping the studies on human evolution?"

Organised By

Department of Applied Science & Humanities

Time: 10:00AM-11:00AM | Date: 30 July, 2020 | Time: 02:00PM-03:00PM

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One-Week Online Faculty Development Programme

"Applicability of Mathematical Sciences in Emerging World"

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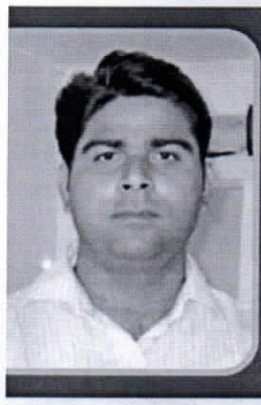


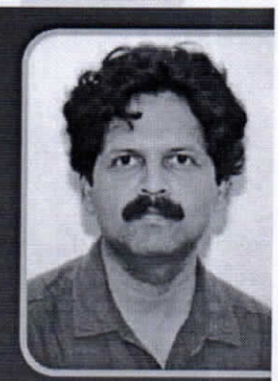
Dr. P.D. Mishra
Scientist
ISRO, Bangalore

"Mathematical Sciences Application in Space Field"

Topic

Dr. A.K. Verma
IIT
Patna

"The Mathematical modeling using Mathematica"



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Time: 10:00AM-11:00AM | Date: 31 July, 2020 | Time: 02:00PM-03:00PM

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"Applicability of Mathematical Sciences in Emerging World"

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Dr. Jitendra Singh
VSK University, Bellary
"Fundamentals of Magnetohydrodynamics and Applications"

Time: 10:00AM-11:00AM

Dr. Abhishek Saxena
Novosibirsk State University, Russia
"Mathematics of Blockchain and Blockchain Application to the future world"

Time: 12:05PM-01:00PM

Prof. K.K. Agrawal
Delhi University
"Exploratory Data Analysis"

Time: 02:00PM-03:00PM

Organised By
Department of Applied Science & Humanities

Date: 01 August, 2020

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One-Week Online Faculty Development Programme

"Applicability of Mathematical Sciences in Emerging World"

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Prof. S.K. Narishimha Murthy
Kevempu University
Karnataka

"Mathematical applications for Covid-19 global pandemic"

Prof. P.N. Pandey
Ex-VC NGB University
Prayagraj

"Mathematics Around You"

Topic

Organised By

Department of Applied Science & Humanities

Time: 10:00AM-11:00AM | Date: 02 August, 2020 | Time: 02:00PM-03:00PM

Organized by

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In Association with

INVERTIS UNIVERSITY, BAREILLY

One-Week Faculty Development Programme

Certificate of Participation

This is to certify that **Prof./Dr./Mr./Ms.**.....*from*

Department of .....

College/University.....

Reg. No. ..... *has successfully completed* ***One-Week Online Faculty Development Programme*** *on* ***"Applicability of Mathematical Sciences in Emerging World" organized by Department of Applied Science & Humanities, Faculty of Science, Invertis University, Bareilly (U.P.)*** *in association with "The National Academy of Sciences", "International Academy of Physical Sciences" and "Mathematical Sciences Institute" from* **28th July to 02nd August, 2020.**

Prof. P.P. Singh	Prof. S.D. Tripathi	Prof. P.N. Pandey	Prof. T. Venkatesh	Dr. K.K. Dubey
Dean, Faculty of Science	The General Secretary-NASI	The General Secretary-IAPS	Director-MSI	Convenor, Head, Department of Applied Sciences and Humanities

Campus: Invertis Village, NH-24, Bareilly, UP.-243123 Phone: (0581) 3390000, 2460442 / 2460443

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Invertis University

Department of Computer Science and Engineering

FDP Reports

Session- 2019-20

(Dr. Gaurav Agarwal) HoD CSE

(Prof. Rajesh Kumar Shukla) Head Dean Engineering & Technology

(Mr. Santosh Kumar) (Registrar)

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Department of Computer Science & Engineering
Invertis University
Bareilly-243123, UP

List of Guest Lectures Organised

DEPARTMENT NAME : Computer Science Engineering

S.no	Date of Guest Lecture	National/ International (Place)	Alumni Guest Speaker (Y/N)	CATEGORY (INDUSTRY/ ACADEMICS)	Name of the Resource person	Designation	Organisation Name	Topic	Email Id	Contact Number
1	Apr/16, 2020	National (Noida)	No	Industry	Mr. Anand Kumar	Sr. Data Analyst	Morling Global	Data Science	anandpandey04@live.com	9759253330
2	Apr 16-18, 2020	National (Noida)	No	Industry	Mr. A.K. Pathak	Scientist	NIC, India	Data Analytics		9811327766
3	Apr/22, 2020	International (United Kingdom)	No	Industry	Mr. Saurabh Agarwal	Managing Cunsultant	(Wipro), United Kingdom	Artificial Intellegence and Machine learning		447866981011
4	Apr/29, 2020	National (Roorkee)	No	Academics	Mr. Amit Kumar Sharma	Project Associates	IIT, Roorkee	Virtual Lab through online mode		
5	Apr/29, 2020	National (Roorkee)	No	Academics	Mr. Chetan Dhiman	Project Associates	IIT, Roorkee	Virtual Lab through online mode	chetan.dhiman.27@gmail.com	8439100005
6	May/03, 2020	National (Dehradun)	No	Industry	Mr. Gaurav Mishra	Founder and Head Coach	Online academy for personal growth and professional development	Career Success Post covid-19		
7	May/12, 2020	International (Germany)	No	Industry	Mr. Rajnish Kumar	Sr.Salesforce Technical Architect	HCL, Germany	Reconcile of Campus life to Corporate life	rajnishkumar21@gmail.com	491626082001
8	May/14, 2020	National (Delhi)	No	Industry	Ms. Sanya Handa	Learning and Development Consultant		Interview Skills		
9	May/16, 2020	National (Banglore)	Yes	Industry	Mr. Samuel David	Sr. Software Engineer and Tean Lead	IBM, Banglore	A journey of software engineer	k.samueldavid02@gmail.com	8065206201

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DEPARTMENT NAME : Computer Science Engineering

List of Guest Lectures Organised

S.no	Date of Guest Lecture	National/ International (Place)	Alumni Guest Speaker (Y/N)	CATEGORY (INDUSTRY/ ACADEMICS)	Name of the Resource person	Designation	Organisation Name	Topic	Email Id	Contact Number
10	May/21, 2020	National (Haridwar)	No	Academics	Dr. Krishan Kumar	Assistant Professor	Gurukul Kangri Vishwvidyalaya, haridwar(U.K.)	Covid-19 Impacts: Challenges and opportunity for IT Industry	krishankumar1614@gmail.com	9319777952
11	May/21, 2020	National (Hyderabad)	Yes	Industry	Mr. Shriom Tiwari	Software Engineer	Quallcomm Technology, Hydrawad	Database Functional dependency	tiwarishriom@gmail.com	9568858197
12	May/23, 2020	National (Noida)	Yes	Industry	Ms.Shweta Tiwari	Digital Marketing cum UI Designer	Good Life Technology, Noida	Scope of Digital Marketing	snazzy.shweta287@gmail.com	9758499113
13	May/23, 2020	National (Noida)	Yes	Industry	Mr. Piyush Saxena	Lead-QA	Exzeo SoftwarePvt. Ltd. Noida	Where to go? (A session to help fresh guns to shoot market with precision)		9711179894
14	May/23, 2020	National (Chandigarh)	Yes	Industry	Mr. Anuj Saxena	Data Analyst	Infosys, Chandigarh	Buisness Intelligence: An overview and data visualization	iamanujsaxena@yahoo.com	9457274010
15	May/27, 2020	International (Saudi Arabia)	No	Industry	Mr. Kamil raza Khan	Application Support Consultant	Arab National Bank, Riyadh, KSA	Oracle PL/Sql Concepts	kamilsaya@gmail.com	9711311330

Note: A small write up not more than 50 words by the resource person and his photograph must be send to CRC for social media promotion.

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Report

On

One week online Faculty Development Prgramme

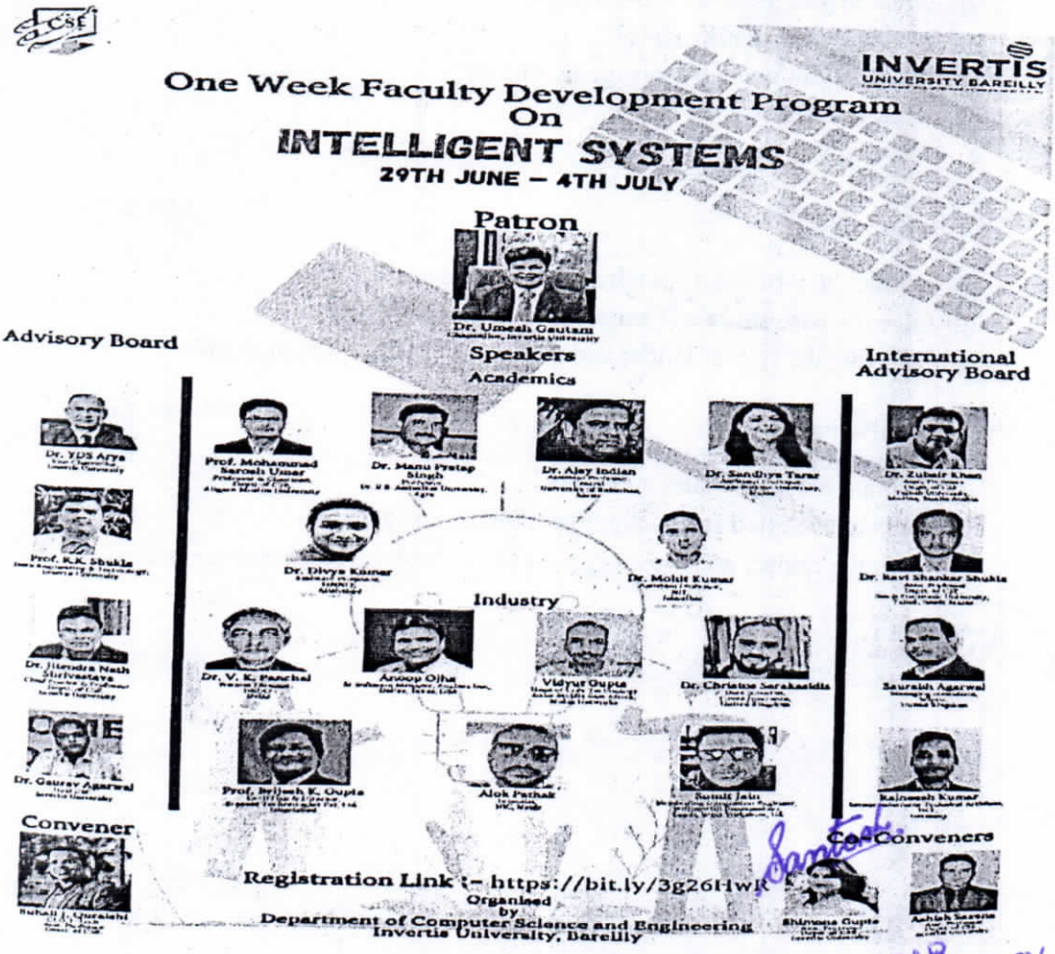
On

Intelligent Systems

Organized by:

Department of Computer Science and Engineering

Invertis University, Bareilly



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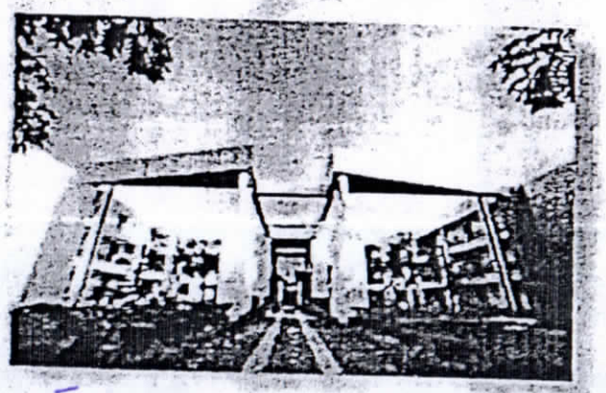
One Week Online Faculty Development Programme

on

"INTELLIGENT SYSTEMS"

29th June - 4th July, 2020



Organized by

Department of Computer Science And Engineering

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Resource Persons:

Dr. V. K. Panchal
Former Director, DRDO Delhi

Prof. Mohammad Sarosh Umar
Professor & Chairman, Department of CSE, AMU

Mr. Anoop Ojha
Sr Software Manager, Amdocs Inc.
Dallas, Texas, USA

Prof. Manu Pratap Singh
Professor, Dr. B. R. Ambedkar University, Agra

Dr. Ajay Indian
Assistant Professor
Central University of Rajasthan, Ajmer

Dr. Sandhya Tarar
Assistant Professor
Gautam Buddha University, Noida

Dr. Divya Kumar
Assistant Professor, MNNIT, Allahabad

Dr. Mohit Kumar
Assistant Professor, NIT, Jalandhar

Prof. Brijesh K. Gupta
Ex-IITian, Director
Braanet Technologies Pvt. Ltd., Ghaziabad

Mr. Vidyut Gupta
Head of Core-Technology India Middle East Africa
Nokia Networks

Dr. Christos Sarakasidis
Data Scientist, Covea Insurance, UK

Mr. Alok Pathak
Scientist, NIC, Delhi

Mr. Sumit Jain
Monitoring Integration Engineer
William Hill (bookmaker)
Leeds, West Yorkshire, UK

Patron
Dr. Umesh Gautam
Chancellor, Invertis University, Bareilly

Advisory Committee:
Prof. YDS Arya
Vice-Chancellor, Invertis University, Bareilly

Prof. R.K. Shukla
Dean Engineering, Invertis University, Bareill

Dr. Gaurav Agarwal
HOD, Dept. of CSE, Invertis University, Bareill

Convener
Mr. Suhail J. Quraishi
CEO, I-Tech, Assistant Professor, Invertis Univ

Co-Convenors
Ms. Shimona Gupta
Assistant Professor, Invertis University

Mr. Ashish Saxena
Assistant Professor, Invertis University

Organizing Committee
Mr. Rahul Rastogi
Mrs. Meeta Chaudhary
Dr. Chandan Kumar
Dr. Akash Sanghi
Mr. Anil Pandey
Mrs. Sakshi Tripathi
Mr. Ankit Saxena

Registration Link:
https://bit.ly/3g26HwR

Last date for Registration: 28th June, 20

Note: Cetificate will be provided to those who attend the 7DFS faculty development prog

Contact No: 9548720923 82799252
E-Mail Id: Cse.fdp20@gmail.com

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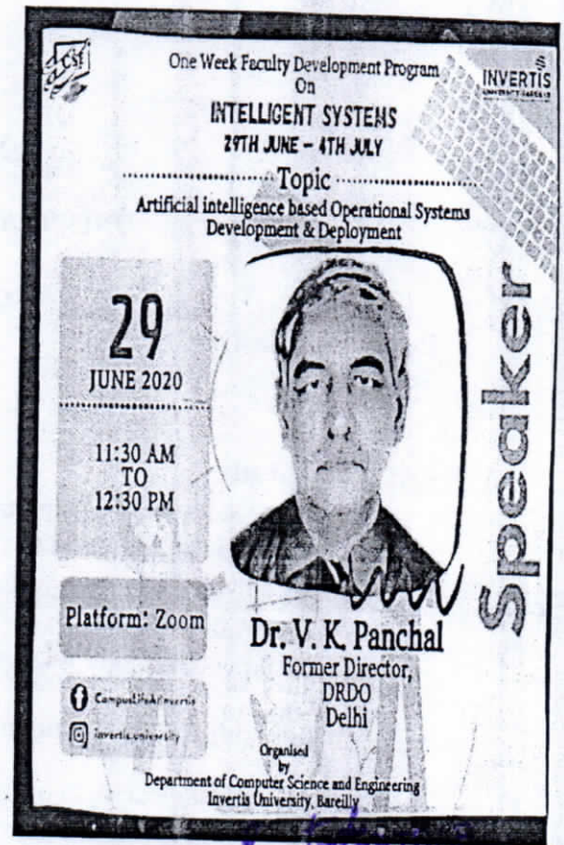
Continued with Cover

Session number: 1
Date: 29th June 2020
Time: 11:30 AM onwards
Speaker: Dr. V.K Panchal
Organization: Former Director, DRDO Delhi
No. of participants: 163
Topic: Artificial intelligence based Operational Systems Development & Deployment

Key Points:

1. Explained how Artificial Intelligence has the ability of a digital computer to perform task commonly associated with intelligent beings.
2. How the artificial intelligence allows the machine the ability to learn, reason.
3. Discussed the concept of cognition, ambiguity, optimization, imprecision, uncertainty etc.
4. Discussed the concept of FANET's(Flying Adhoc Networks).
5. Explained about big data, sky computing, social networks and conceptual networks.



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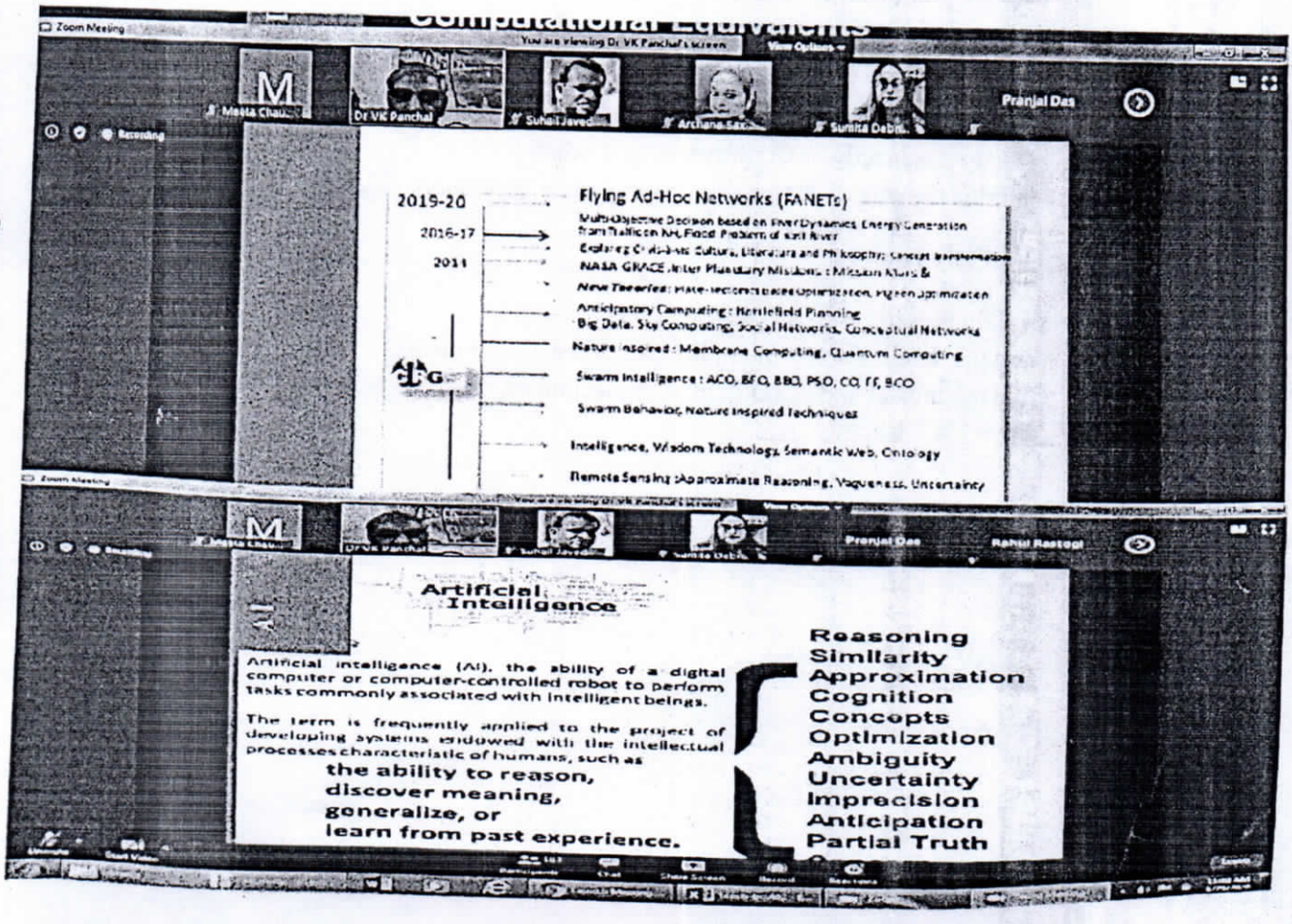

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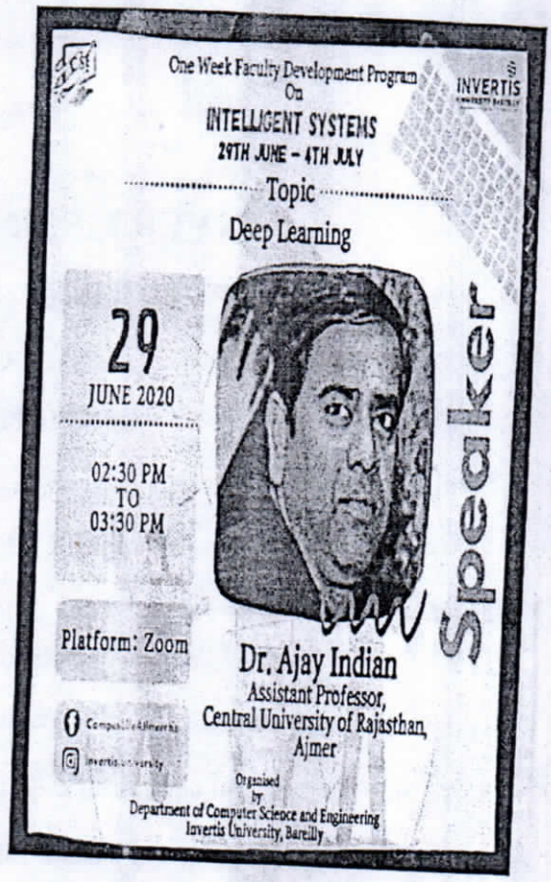
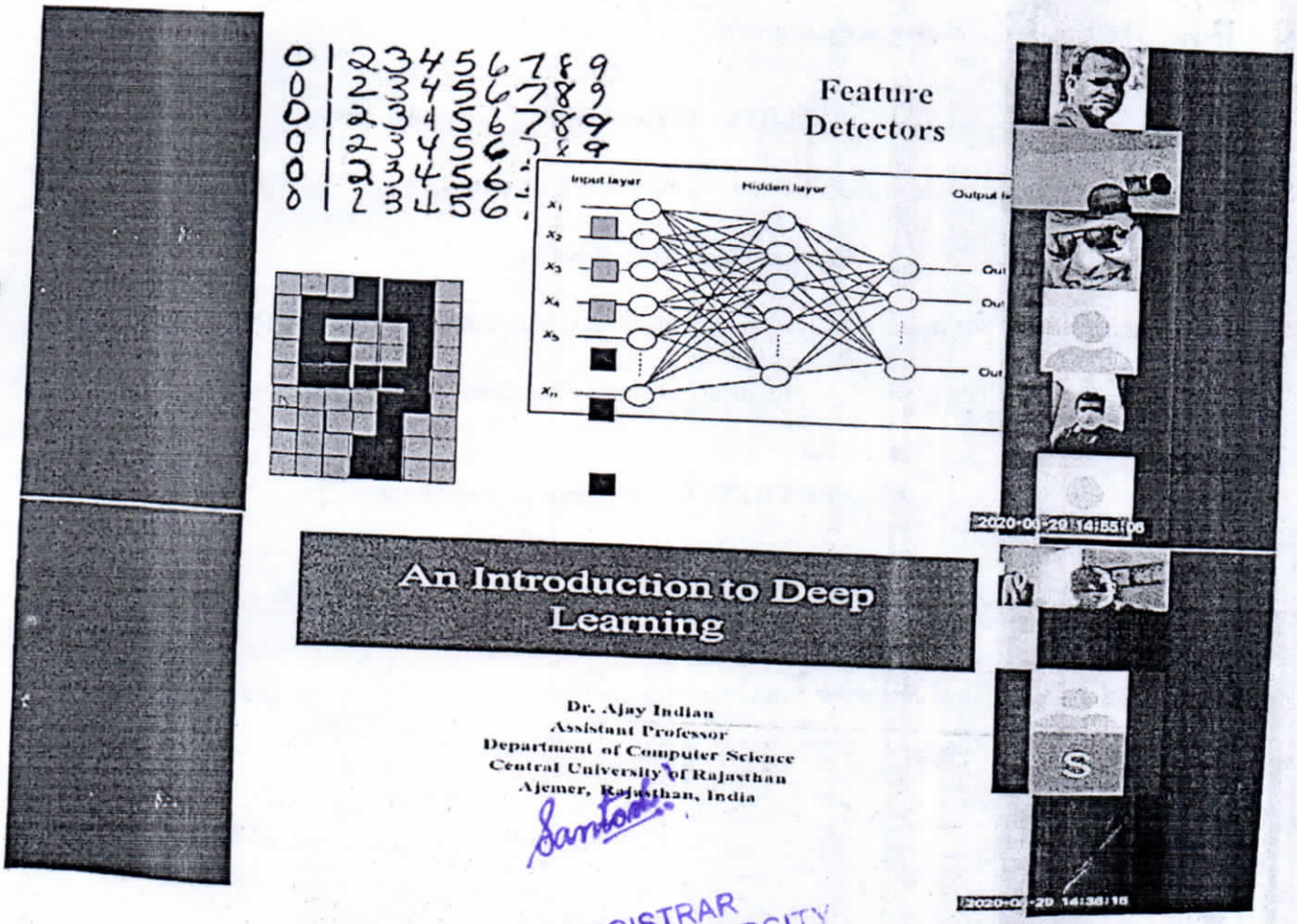
Session number: 2
Date:29 June 2020
Time: 2:30 PM onwards
Speaker: Dr. Ajay Indian
Organization: Assistant Professor, Central University of Rajasthan, Ajmer
No. of participants: 123
Topic: Deep Learning

Key Points:
1. Explained what is deep learning and how it is better than any other technique used for image, speech etc.
2. How the error in a network is calculated and how can it be minimized.
3. Explained about linear seperability.
4. Discussed about decision boundary and how can we construct a good non-linear decision boundary.
5. Explained how feature vectors can be formed and how can we find self-organizing feature vectors.





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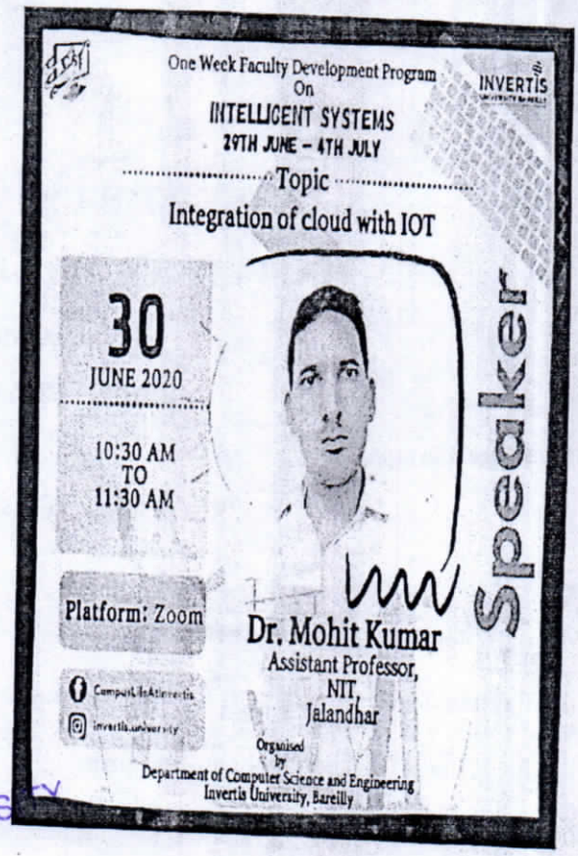
Session number: 3
Date: 30 June 2020
Time: 10:30 AM onwards
Speaker: Dr. Mohit Kumar
Organization: Assistant Professor, NIT Jalandhar
No. of Participants-: 142
Topic: Integration of Cloud with IoT



Key Points:

1. Discussion about Virtualization. By using Virtualization resources can be used easily. Hypervisor is used to provide Virtualization.
2. There are four types of cloud service layers- IaaS, PaaS, SaaS.
3. Discussion about Region and Availability zones.
4. There are four types of cloud deployment models- Public, Private, Hybrid, Community.
5. Amazon Web Services, Spot Instances, Scheduling Algorithms are Discussed.
6. Limitations of Cloud Services, IoT (Internet of Things) are discussed.

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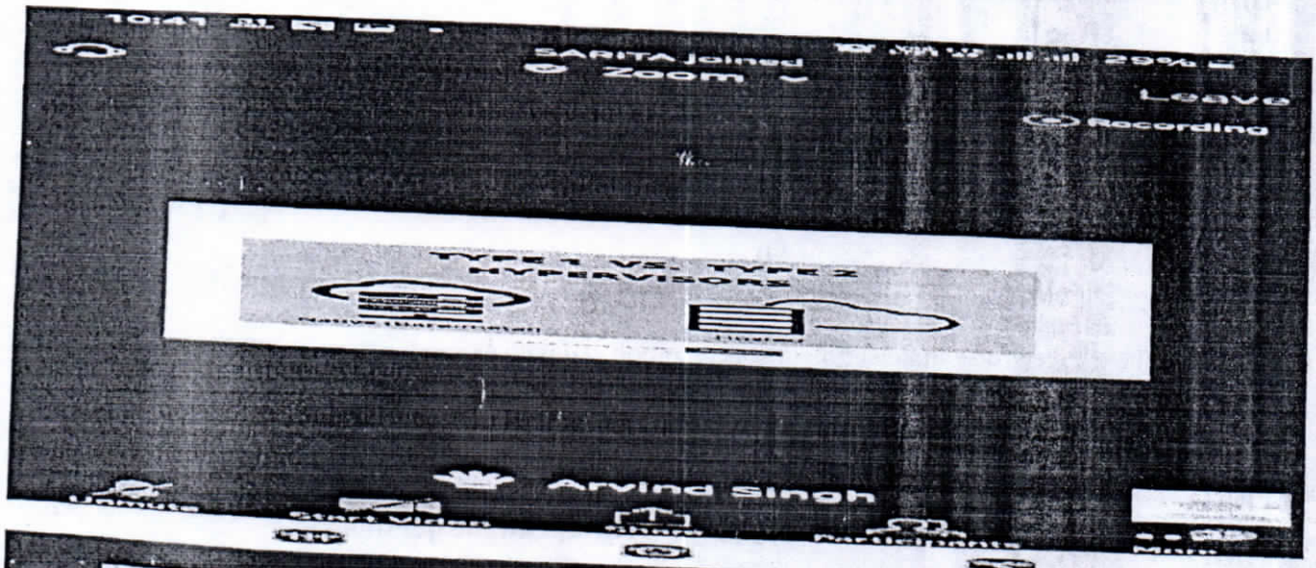

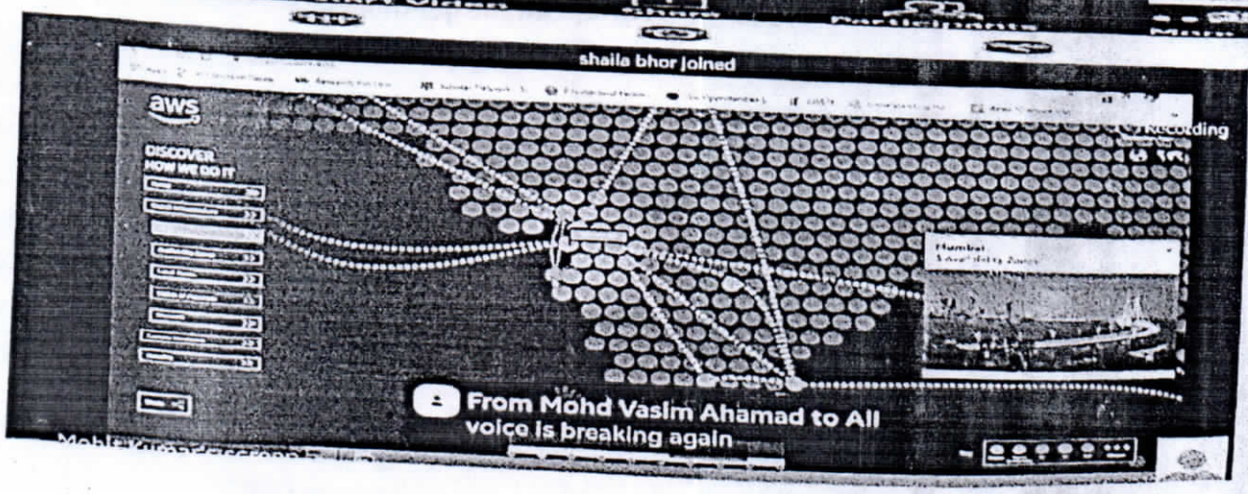

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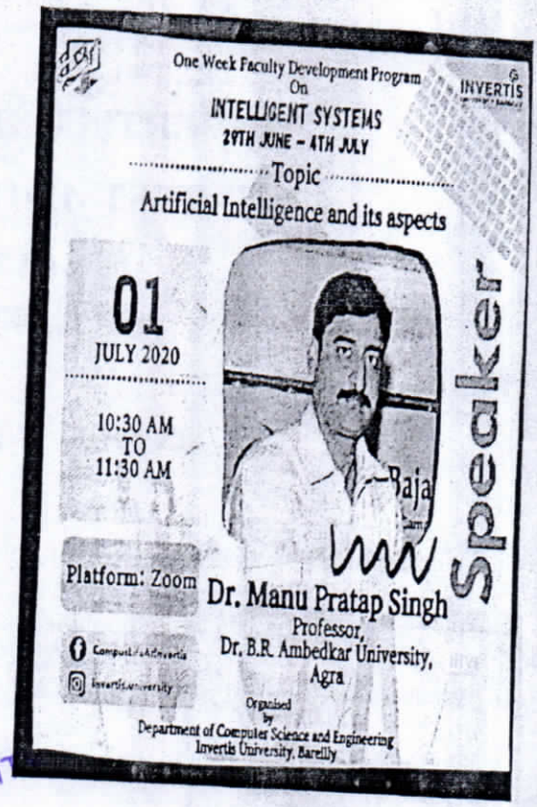
Session number : 4
Date : 1st July 2020
Time: 10:30 AM onwards
Speaker : Dr.Manu Pratap Singh
Organization: Professor, Dr. B. R. Ambedkar University, Agra
No. of participants: 105
Topic : Artificial Intelligence and Its aspects

Key Points:

1. Recent development in IT industry such as soft computing, IOT, Intelligent networks, and AOE (artificial intelligence of everything) were introduced.
2. Symbolic processing as a key to artificial intelligence was explained, and new flavours like cognitive computing and nature-inspired computing were briefly discussed.
3. Components, disciplines, applications, algorithms, growth and dangers of AI were dicussed, some examples of robots like autonomous walker and swimming eel were shown.



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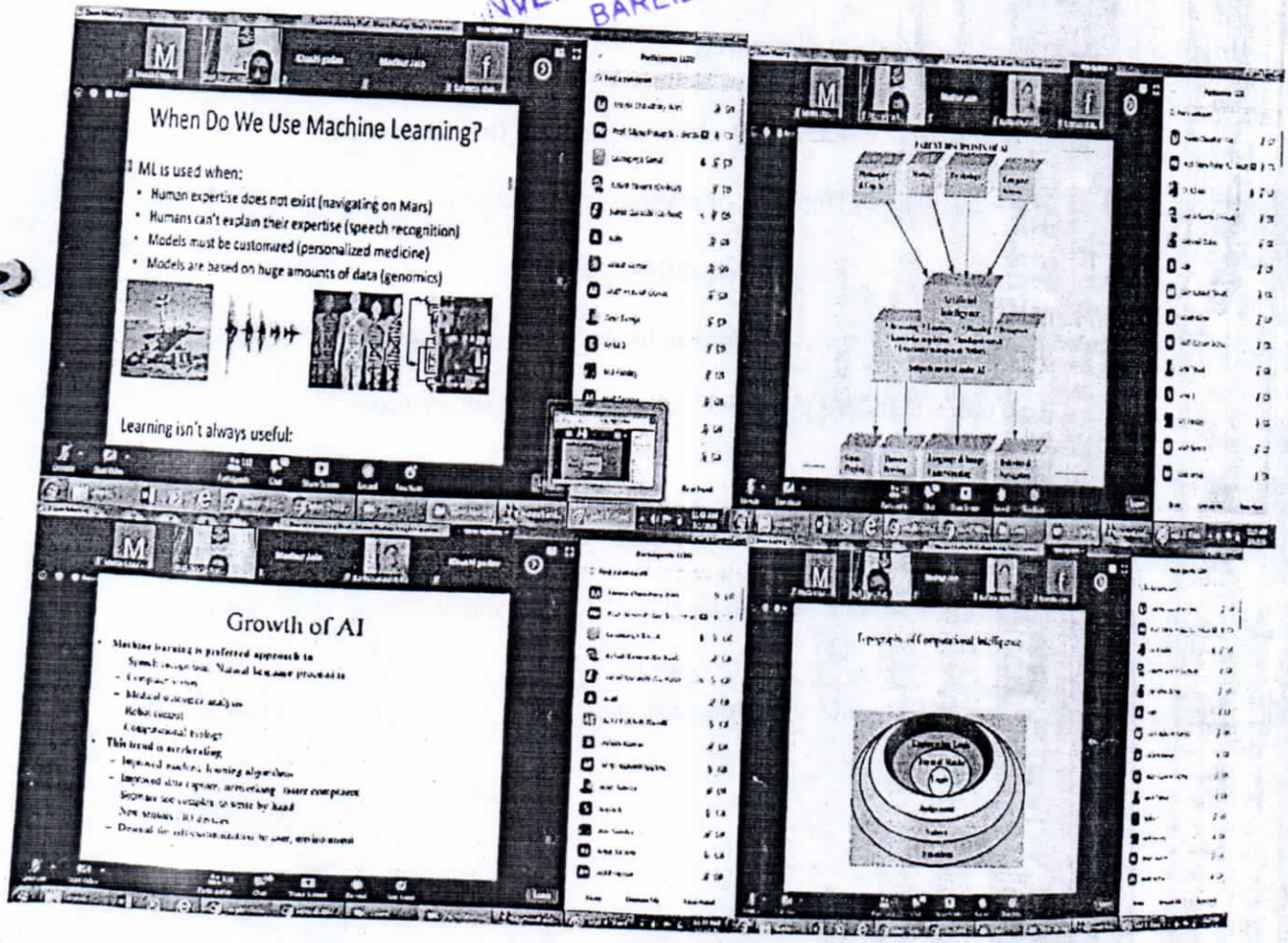

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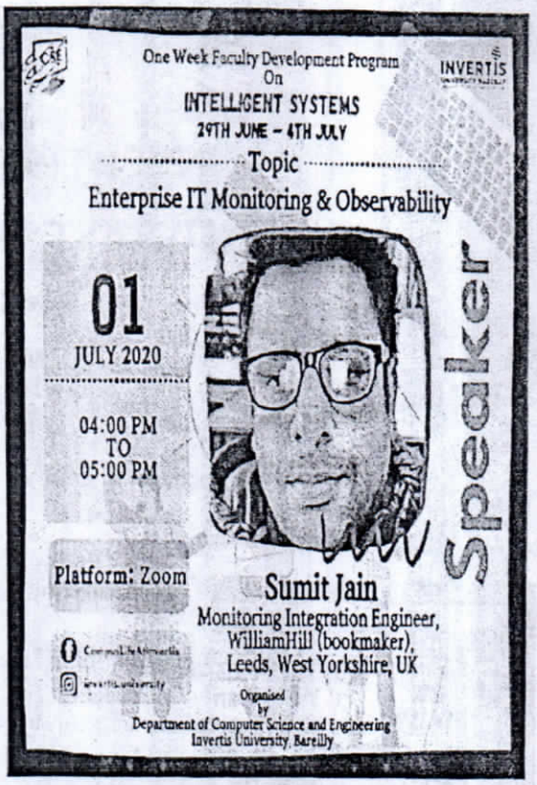
Session number: 5
Date : 1st July 2020
Time: 4:00 PM onwards
Speaker : Mr. Sumit Jain
Organization: Monitoring Integration Engineer, WilliamHill (bookmaker) Leeds, West Yorkshire, UK
No. of participants: 111
Topic: Enterprise IT Monitoring & Observability



Key Points:

1. Explained about enterprise monitoring and how it is useful in IT industry.
2. Discussed about infrastructure monitoring and its application.
3. How Data Collection is done and how the integration is done using cloud native.
4. Discussed about DevOps Enablers its configuration and automation
5. Explained about SaaS and multi tenancy, its security and real user monitoring.

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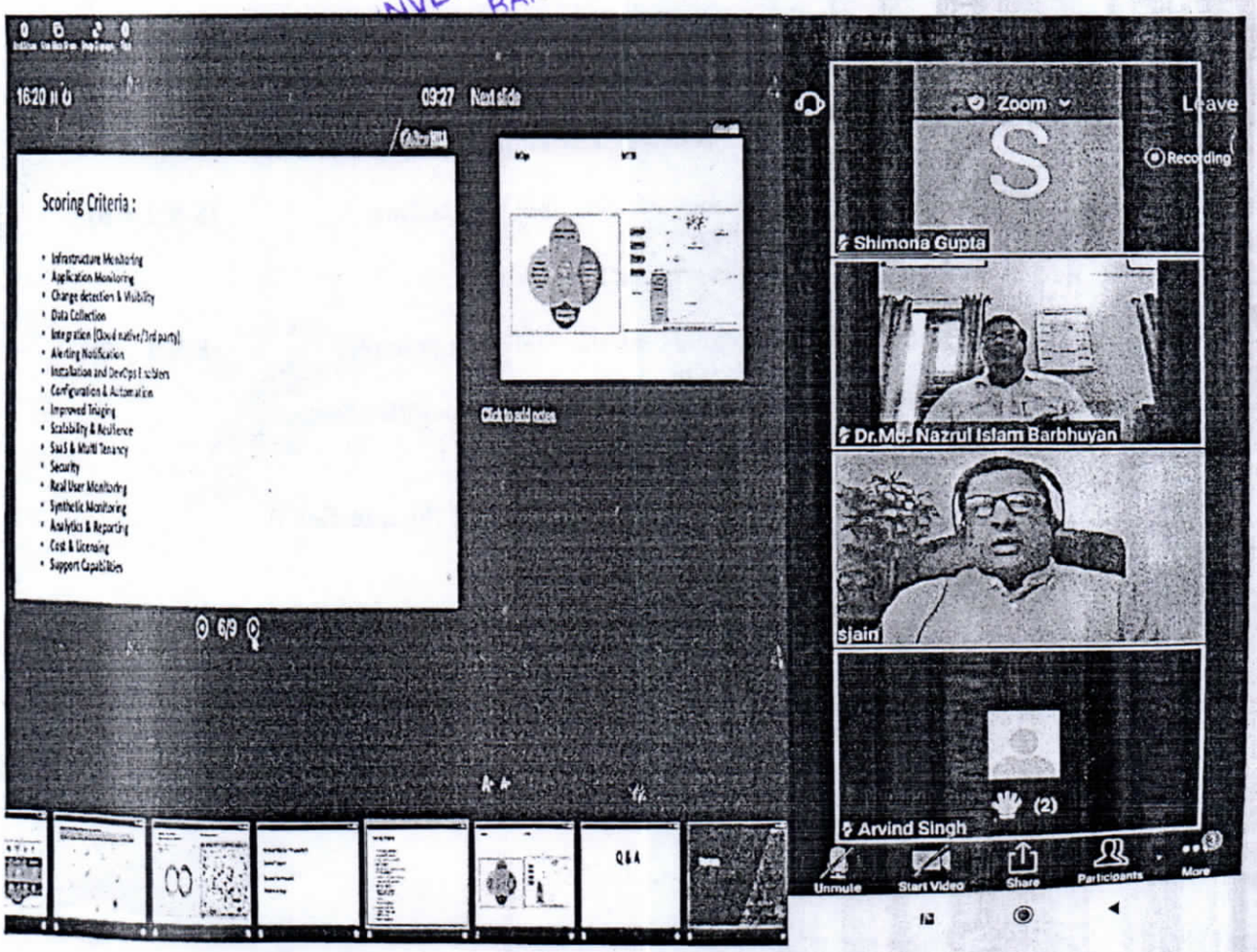

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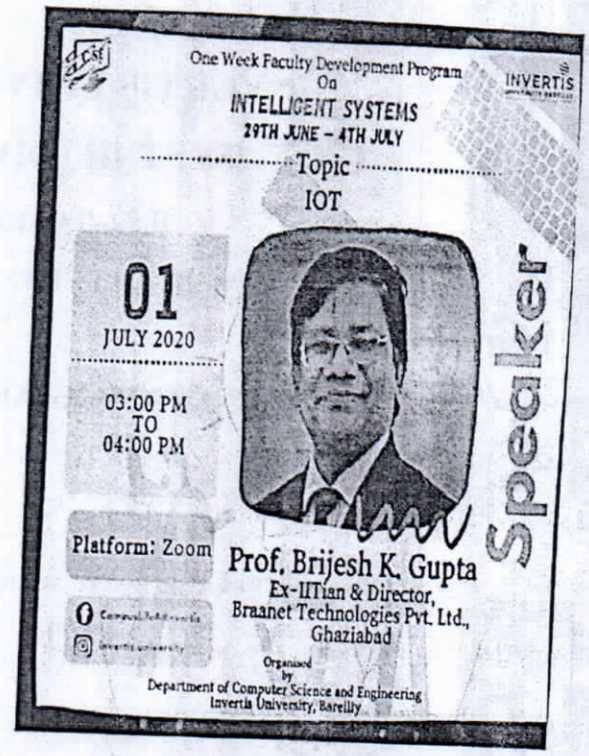
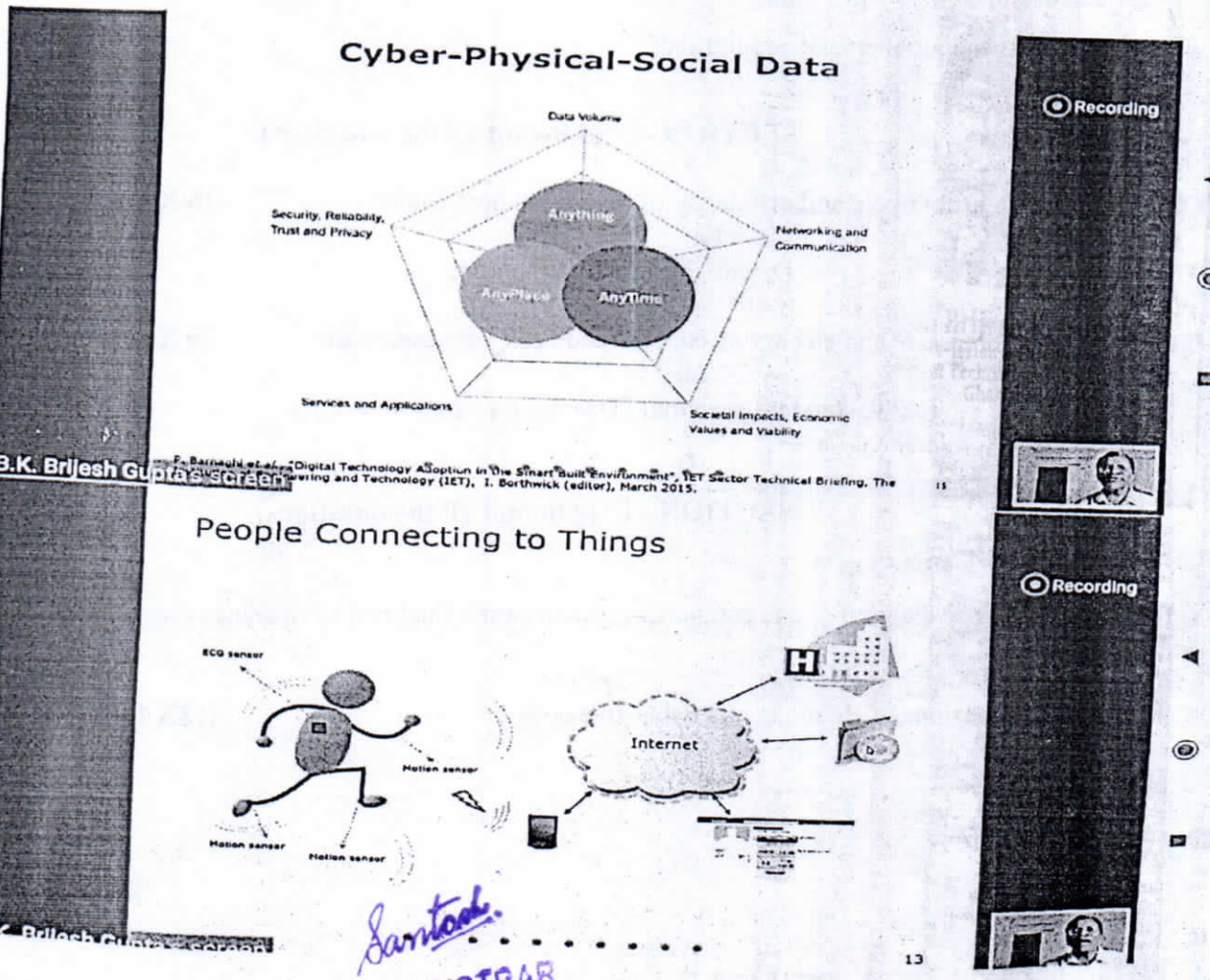
Session number: 6
Date: 1st July 2020
Time: 3:00 PM onwards
Speaker: Prof. Brijesh K. Gupta
Organization: IIT Delhi, Director Braanet Technologies Pvt. Ltd., Ghaziabad
No. of participants: 104
Topic: IoT



KeyPoints:

1.Defined the basic architecture of IoT and usability of the IoTs across various real-world applications.
2. Demonstrate and Hands-on various IoT applications.
3. IoT Business and opportunities.
4. Discussed current research status in IoT.



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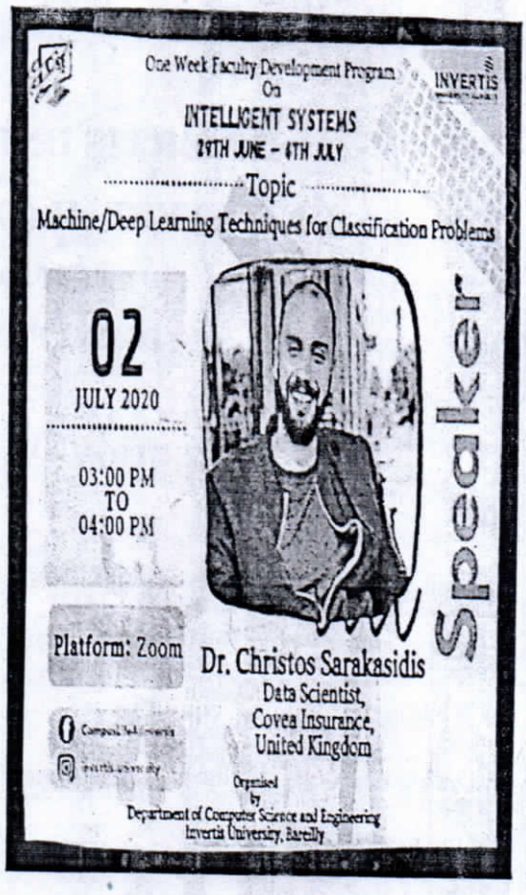
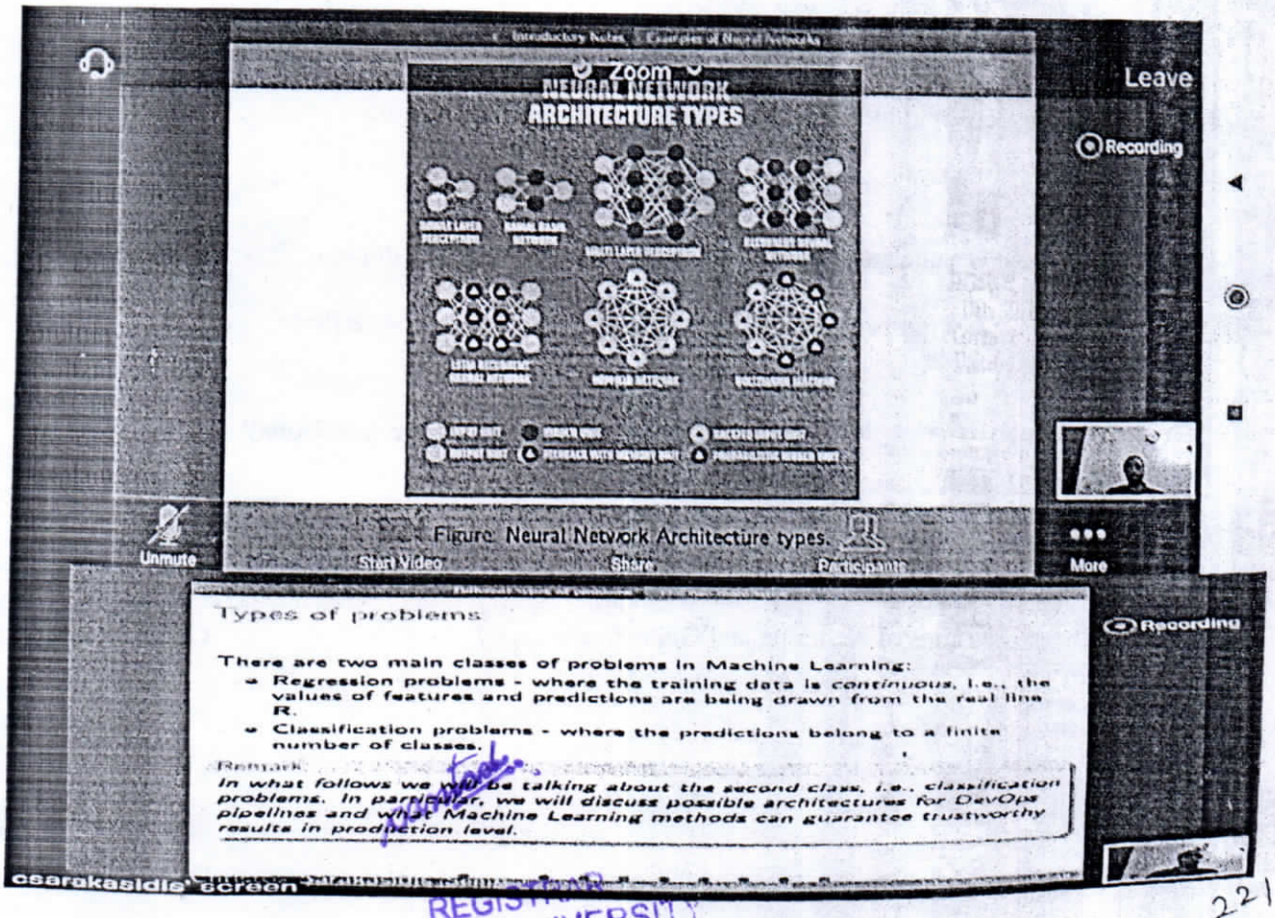
Session number: 8
Date: 2nd July 2020
Time: 3:00 PM onwards
Speaker: Dr. Christos Sarakasidis
Organization: Data Scientist, Covea Insurance, UK
No. of participants: 104
Topic: Machine/Deep Learning Techniques for Classification Problems

KeyPoints:

1.Introduction to Machine Learning.
2. Examples of machine learning algorithms, linear regression, multilinear regression, and logistic regression, SVM, KNN, Decision trees, etc.
3. Introduction to deep learning and its relationship with ANN.
4. Different forms of architectures of neural networks including single-layer perceptron, multilayer perceptron, Hopfield network, Boltzmann machine, etc. were discussed.
5. Classes of problems in machine learning- Regression and classification problems were explained.





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International Symposium

INVERTIS UNIVERSITY BAREILLY

"Emerging Smart Materials for Advancement of Science and Technology"

on 11-12 June 2021

Organized By

Department of Applied Science and Humanities, Faculty of Sciences

Patron

Dr. Umesh Gautam
Chancellor,
Invertis University, Bareilly

Chief Guest

Prof. Rajendra Girjappa Sonkawade
Professor, Department of Physics
Shivaji University, Kolhapur

Advisory Committee

Prof. Y. D. S. Arya
Vice Chancellor

Prof. P. P. Singh
Dean,
Faculty of Science

Organizing Committee

Dr. S. P. Goutam
Convenor

Dr. K. K. Dubey
Head, Applied Science and Humanities

Invited Speakers

Prof. Devraj Singh
Director,
Veer Bahadur Singh Purvanchal University, Jaunpur

Dr. Shalini Trivedi
Masaryk University, Barno, Czech Republic, Europe

Dr. Ratindra Gautam
RML University, Ayodhya

Anupam Pramanik
SRS Vidyamahapitha, University of Burdwan, West Bengal

Dr. Utkarsh Kumar
National Chung Hsing University, Taichung, Taiwan

Dr. Nandini Sharma
Guru Nanak Dev College, Punjab Technical University, Ludhiana, Punjab

Note - No Registration fees

E-Certificate- After successful completion of the event

Click here for Registration

https://forms.gle/HFewEoQEFd5N7DNt8

Dr. Sanjeev Kumar Jain (7217011270)
Dr. Ruchi Mishra (7217011267)
Dr. Yogesh Kumar (7217012771)
Mr. Arun Kaushik (7217011260)

Email:
surya.g@invertis.org

Contact Number:
7217011271; 8739032297

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International Symposium

"Emerging Smart Materials for the Advancement of Science and Technology"

(ESMAST-2021)

Organized by

Department of Applied Science and Humanities, Faculty of Sciences,
Invertis University, Bareilly (U.P.) India

Date: (11-12 June 2021)

First Day Schedule

Click to Join Symposium of MS Team Platform

Innagural Session (11/06/20)	Timings (09:30 am to 11:00 am)
Session Link	Click to Join Symposium
Session Coordinator	Dr. Sanjeev Kumar Jain
09:30 am – 09:35 am	About the Symposium by Convenor, Dr. S. P. Gautam
09:35 am – 09:40 am	Welcome of Dignitaries by the Head of the Department
09:40 am – 09:55 am	Address by Dignitaries
09:55 am – 10:00 am	Introduction of the Chief Guest by the Session Coordinator
10:00 am - 11:00 am	Address by Chief Guest Prof. Rajendra Girjappa Sonkawade, Shivaji University, Kolhapur
Technical Session-1(11/06/20)	**Timings (11:00 am to 12:00 pm)**
Session Coordinator	Dr. Ruchi Mishra
11:00 am- 12:00 Noon	Invited talk by Prof. Devraj Singh, Director, Veer Bahadur Singh Purvanchal University, Jaunpur
Lunch Break (12:00pm to 01:00 pm)	
Technical Session-2 (11/06/2021)	**Timings (01:00 pm to 03:00 pm)**
Session Coordinator	Dr. Yogesh Kumar
01:00 am- 02:00 pm	Invited talk by Dr. Nandini Sharma, Guru Nanak Dev College, Punjab Technical University, Ludhiana, Punjab
02:00 pm- 03:00 pm	Invited talk by Dr. Anupam Pramanick, SRS Vidyamahapitha, University of Burdwan, West Bengal

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International Symposium

"Emerging Smart Materials for the Advancement of Science and Technology"

(ESMAST-2021)

Second Day Schedule **Click to Join Symposium of MS Team Platform**	
Technical session-1 (12/06/2021) **Timings (11:00 am to 12:00 pm)**	
Session Coordinator	Dr. Ruchi Mishra
11:00 am- 12:00 am	Invited talk by Dr. Shalini Trivedi, Masaryk University, Brno, Czech Republic, Europe
Lunch Break (12:00pm to 01:00 pm)	
Technical session-2 **Timings (01:00 pm to 03:15 pm)**	
Session Coordinator	Dr. Yogesh Kumar
01:00 pm to 02:00 pm	Invited talk by Dr. Utkarsh Kumar, National Chung Hsing University, Taichung, Taiwan
02:00 to 03:00	Invited talk by Dr. Ratindra Gautam, RML University, Ayodhya
03:00pm-03:15pm	Vote of Thanks by Convenor, Dr. S. P. Gautam

Santosh.

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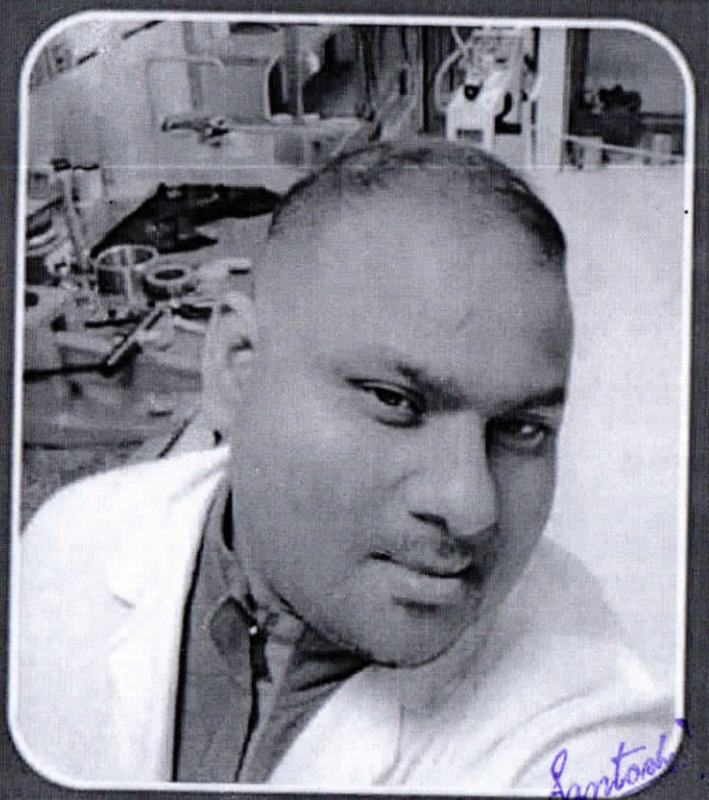
Department of Mechanical Engineering Invertis University, Bareilly

Expert Lecture

on

Bio-healing materials: Building fire safety, Carbon capture and bacteria-modified self-healing materials



Dr. Ajitanshu Vedratnam

(Professor-A Universidad de Alcalá, Madrid, Spain & Assistant Professor – Invertis University)

Venue : Invertis University, Bareilly
Date : 13-04-2021
Time : 10 : 30 A. M. Onwards

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Details of the Participants

"Bio-healing materials: Building fire safety, carbon capture and bacteria modified self healing materials"

(13/04/2021)

S. NO	Name	Signature
1	Krishna Kant	
2	Anuj Kumar	
3	Ajit Kumar Kumar Singh	
4	Mr Amit Kumar	
5	Mohit Pathak	
6	Subodh Kumar Verma	
7	Manoj Kumar	
8	Sawan Kumar	
9	Dheeraj Sagar	

(Mr. Anuj Kumar)
HOD, ME

Head
Department of Mechanical Engineering
Invertis University
Bareilly-243123, UP

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Department of Mechanical Engineering

INVERTIS
UNIVERSITY BAREILLY

Online Guest Lecture

Presented By ~

Er. Vineet Kumar

Project Manager,
BOSCH, USA

On Topic ~

Active Safety in Car

Activity Coordinator –
Mr. Ajit Kumar Singh

Convener –
Mr. Dheeraj Sagar

Co- Convener –
Mr. Amit Kumar

Venue - Online on Google Meet

Date ~
12 th | JUNE 2021

Time ~
11:00 AM Onwards

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Details of the Participants
Active Safety in Car (12/06/2021)

S. NO	Name	Signature
1	Ajitanshu Vedrtnam	
2	Krishna Kant	
3	Anuj Kumar	
4	Ajit Kumar Kumar Singh	
5	Mr Amit Kumar	
6	Mohit Pathak	
7	Subodh Kumar Verma	
8	Manoj Kumar	
9	Sawan Kumar	
10	Dheeraj Sagar	

(Mr. Anuj Kumar)
HOD, ME

Head
Department of Mechanical Engineering
Invertis University
Bareilly-243123.

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