झारखण्ड केन्द्रीय विश्वविद्यालय
Central University of Jharkhand
(Established by an Act of Parliament of India,2009)

Webinar Report

Emerging Technologies for Higher Education

"Post Covid-19"

Organized by

Department of Computer Science and Technology

Central University of Jharkhand, Ranchi

In Technical Collaboration with

Computer Society of India

Ranchi, India, 16-17 May, 2020

A Two-Days Online Webinar on **Emerging Technologies for Higher Education "Post Covid-19"** in Technical Collaboration with Computer Society of India was conducted by Central University of Jharkhand (CUJ), Brambe, Ranchi organized by Department of Computer Science and Technology (DCST) under the school of Natural Sciences of CUJ dated from 16-17th May, 2020. In this Webinar around 813 registrations were done from all over India but due to Online Mode limitation maximum participant support 140 were allowed to be part of it.

Number of Registrations Done: 812

Number of Participants Allowed: 140

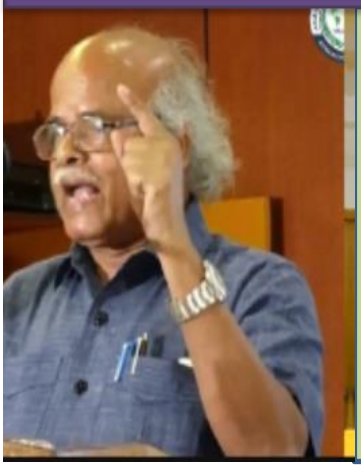
Website: http://cuj.ac.in/dcst/index.php

Registration Form Link: https://forms.gle/d3iqSMCugojsNXMbA

FeedbackFormLink:https://docs.google.com/forms/d/e/1FAIpQLScLwlfwe6jDK6N_0S4ak8NlHDp6d8u2ZbTr9jdFHnG33jSILA/viewform?vc=0&c=0&w=1

The Keynote Speaker / Technical Experts of this Webinar were:

Prof.(Dr) A.K Nayak, Immediate Past President CSI, Director IIBM &ZHI Patna



Prof. (Dr) A.K Nayak is immediate Past President of Computer Society of India with more than 31 years of experience in teaching, training, research in Computer Science, Information Technology and Management. He have participated in designing and implementation of Computer related Course curriculum for various Universities & Institutes, Authored and / or edited 21 books out of which 12 books are related to computer science and IT as well as Authored 81 Articles & Technical Papers, co-authored 43 papers, Edited 3 Newsletters & proceeding of 7 National Conferences & Seminars. Conducted more than 40 Executive Development Programmes for the Professionals of private & public sectors and also organized and / or participated in 65 National & International Conferences and Seminars. Presided, technical sessions and delivered key note address in many of them

Prof.(Dr). Sunil Kr. Pandey, Director, Institute of Technology and Science, Ghaziabad

Prof. (Dr) Sunil Pandey, Director, ITS Ghaziabad is eminent academician, young dynamic administrator. He is known personality in NCR region for creating interface between academia and IT industry. He is CSI Student state coordinator of region I and members of Editorial Committee of CSI Communication – A Prestigious publication of Computer Society of India also president of CEGR Ghaziabad Chapter. Having more than 20 years of experience he also have various research paper published in National/ International Journal and conferences to his credit. He is member of IEEE, ACM, CSI, IETE and Indian Science Congress. He is also Joint Secretary of TeKQ Global CIO Forum.

Mr. Raghav Raghvendra Singh, Consultant Analytics & Insight, APAC Singapore

Mr. Raghav Raghvendra Singh is Analytics and Insights consultant lead for Asia Pacific region based out of Singapore. Previously he has led the Enterprise Application at Deloitte, Consumer Insights at Nielsen. He has also been insight director at Kantar and GfK Asia Pacific head. His key skills includes product and concept test, Ad/ Campaign Evaluation, Opinion polls – corporate & political, consulting, Management analysis, Brand Tracking research, Brand health dipsticks, Usage & Attitude, Car Clinics, Pricing & Conjoint Analysis, Stakeholder satisfaction surveys, Loyalty, Net Promoter Score NPS, travel research, Retail analytics and channel marketing analytics.

Ms. Chetna Das, Technical Product Manager, IIM Kozhikode

Ms. Chetna is Product Manager with demonstrated history of working in the cutting edge technology industry. Having worked as an Engineer in Samsung R & D for flagship mobile phones and as a Product manager for Azure Global, she has expertise in Market Research, Ideation, Strategy, Feature definition, Cross-domain Collaboration and Lifecycle Management of a Product. At Microsoft, she has worked on AI products in Eyecare, Cardiovascular disease and Cancer space partnering with leading healthcare providers – LVPEI, Apollo Hospitals, SRL Diagnostics. She has owned Digital Pathology vertical at Microsoft, where she ideated and built Cervical Cancer API for automated detection of pre-cancerous/cancerous anomaly in a Pap Test to assist Pathologists in cervical cancer screening process.

Mr. Shadab Hussain, Data Scientist, TheMathCompany

Mr. Shadab Hussain is a Data Scientist at TheMathCompany and working for clients in Fortune 5. Before, he worked at Proven Consult, Pluralsight and Infosys Ltd. He has delivered workshops/talks in many conferences globally like Electronics for You Conference Bangalore, MozFest London by Mozilla and many more. He was one of the Program Committee members of the world's best leading data science conference, i.e., Open Data Science Conference India 2019. He is also editor for Quantum computing India publication on medium. His areas of research interest include Machine learning, Deep learning, and Quantum Computing.

Dr. Vivek Tiwari, Assistant Professor, IIIT Naya Raipur

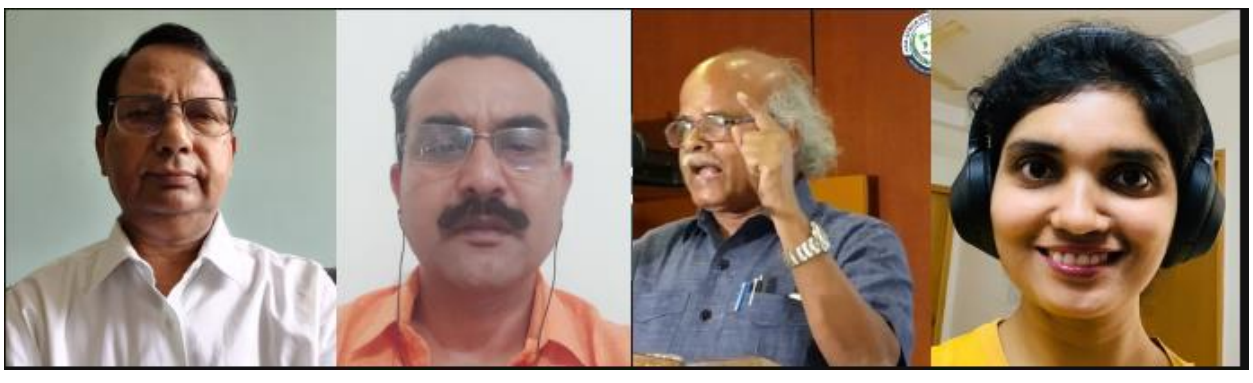
Dr. Vivek Tiwari is an Assistant Professor in Department of Computer Science and Engineering at International Institute of Information Technology, Naya Raipur. He is the recipient of Young Scientist Fellowship for the year 2014-2016 by the Madhya Pradesh Council of Science & Technology, Govt of MP. He has handled an academic research project of 3.5 lac funded by IIT Bombay and MHRD under NMEICT mission. He has authored various research paper, book chapter, books published in National/ International Journal and conferences to his credit. He research interests are Pattern warehouse, Intrusion detection, Association Rule mining etc.

Inaugural Session

The Day-1 workshop started with a wonderful inaugural ceremony where distinguished personalities were present across the country. Ceremony of Webinar on “Emerging Technologies for Higher Education “Post-COVID-19” commenced with the formal warm welcome by Prof. S.C. Yadav (HOD & Convener, CUJ). The event was inaugurated by Prof. (Dr) A.K Nayak (Immediate past President CSI and Director IIBM & ZHI), Prof. (Dr) Sunil Kr. Pandey (Director, ITS Ghaziabad), Prof. Nand Kumar Yadav “Indu” (Honorable, Vice Chancellor, CUJ), Prof. Sarang Medhekar (Dean, Chairman of Webinar, CUJ).

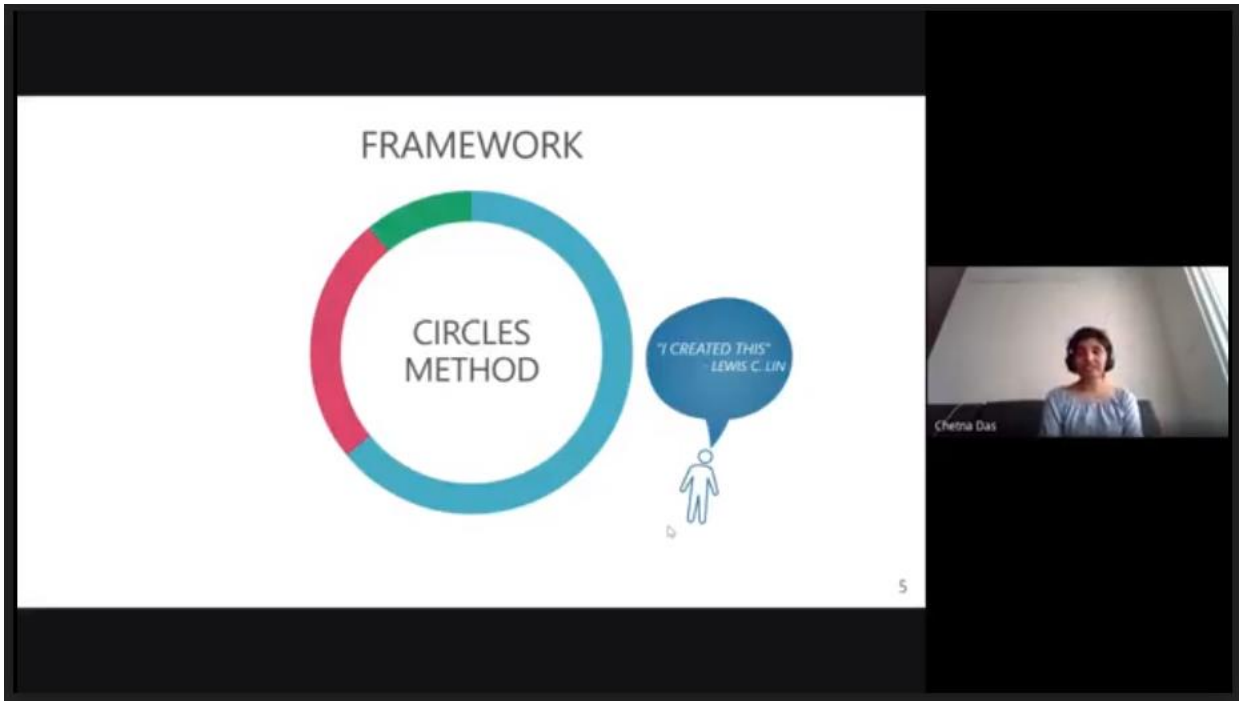
In his Presidential Speech by Prof. N.K Yadav “Indu”, Vice Chancellor, Central University of Jharkhand highlighted about changes in the higher education in this modern age and added how the technology contributes in the education. VC addresses that all the academia are fighting against this global pandemic Covid-19. He also said that students and teacher at CUJ are using Google, Microsoft and Cisco online tools and platform for teaching and learning. VC advised to be careful and alert while using online platform. He said that this is the era of information and technology, which has its own challenges, but we have to turn it into opportunity. He appealed the youth to take care of all aspects related to cyber security and can shape their future in this domain. Prof. Nand Kumar Yadav “Indu” gave an information about how today's youth are becoming victims of unintentional cybercrime. He focused the participants to be aware of different technology and crimes related to cyber. He suggested the youth to be vigilant in this direction and make yourself and society aware of this cyber security.

Chief Guest of the webinar Prof A.K.Nayak said that Covid-19 has forced to change our view, mindset and standard of life. Today from higher education to primary education is going through online platform. Inspite of being affected by this global pandemic, by the use of computer and digital technique we are able to move forward. Prof. Nayak emphasized about use of telepathy technique in future and if this is implemented successfully will prove boon to human civilization. We may be surrounded by any human or natural disaster, but will always move forward using computer and digital technology. He inspired to advance in digital technology, development of computer technology. Describing about the computer era, he also emphasis on use of computer on IOT Plate form and how we use technology for e-learning, e-commerce etc.



Speaker :- Ms Chetna Das

TOPIC :- Don't Just Learn, Practice it- Technical Product Design Perspectives.



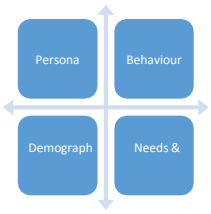
First Day Keynote speaker Ms. Chetna Das discussed about product design perspective for teaching and learning in post Covid-19 era of digital onboarding. She discussed about product design. She dealt three things Interview, Learning and Problem solving. She also discussed about CIRCLES METHOD.

Comprehend the situation
Identify the customer
Report the Customers needs
Cut through prioritization
List Solutions
Evaluate trade offs
Summarize recommendation

Further she discussed about the framework of the product design

Subtopic: 1. Framework for the product design:-
a. comprehend the situation
->context
What is it?
Who is it for?
Why do they need it?
How does it work?
-> Goals and Matrices:-
Revenue, User acquisition, user retention, market share
-> Constraints & Assumption
Deadline, resources, scalability, platform

2. Identify the constraints



3. Repeat the customer's needs

Role Desire Benefit

4. Cut through prioritization

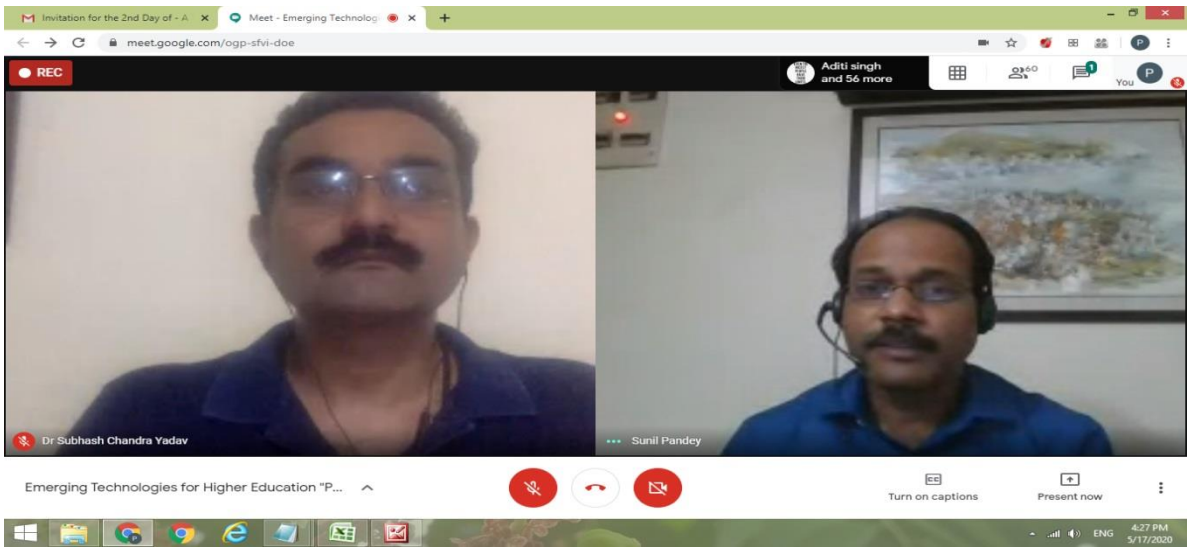
	REACH	IMPACT	CONFIDENCE	EFFECT
Need A	5	2		1
Need B	5		3	5
Need C		1	1	

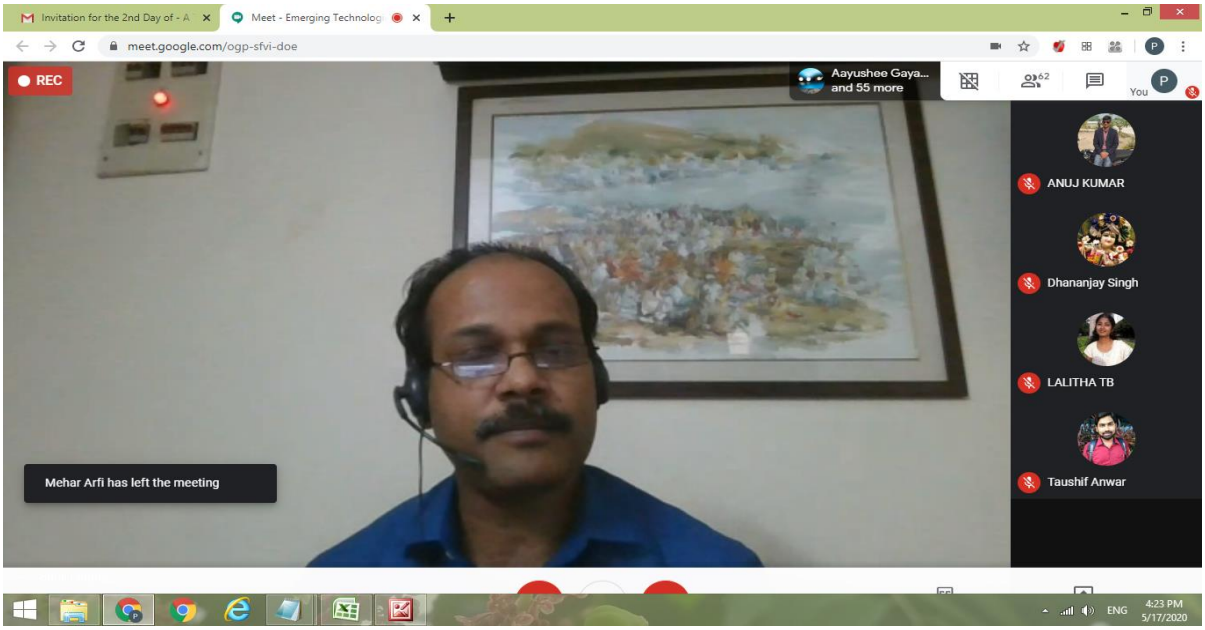
She said that a product must be innovative, easy to use and there should be scope of improvement in it. In this global pandemic scenario the digital products used worldwide have more scope of improvement. She said that many google products are free to use like google assistance, translate, google classroom, google meet, youtube etc and in this lockdown period we can be benefited by them.

Speaker :- Mr. Sunil Kumar Pandey

Topic :- Changing New Normal in Post COVID-19: Scenario for Higher Education and Technology

On Second Day Prof Sunil Pandey discussed about the impact of Covid-19 on higher education. Because of technology although teacher and student are not physically present in classes, they are connected. Without any formal training both students and teachers are doing excel in their job.



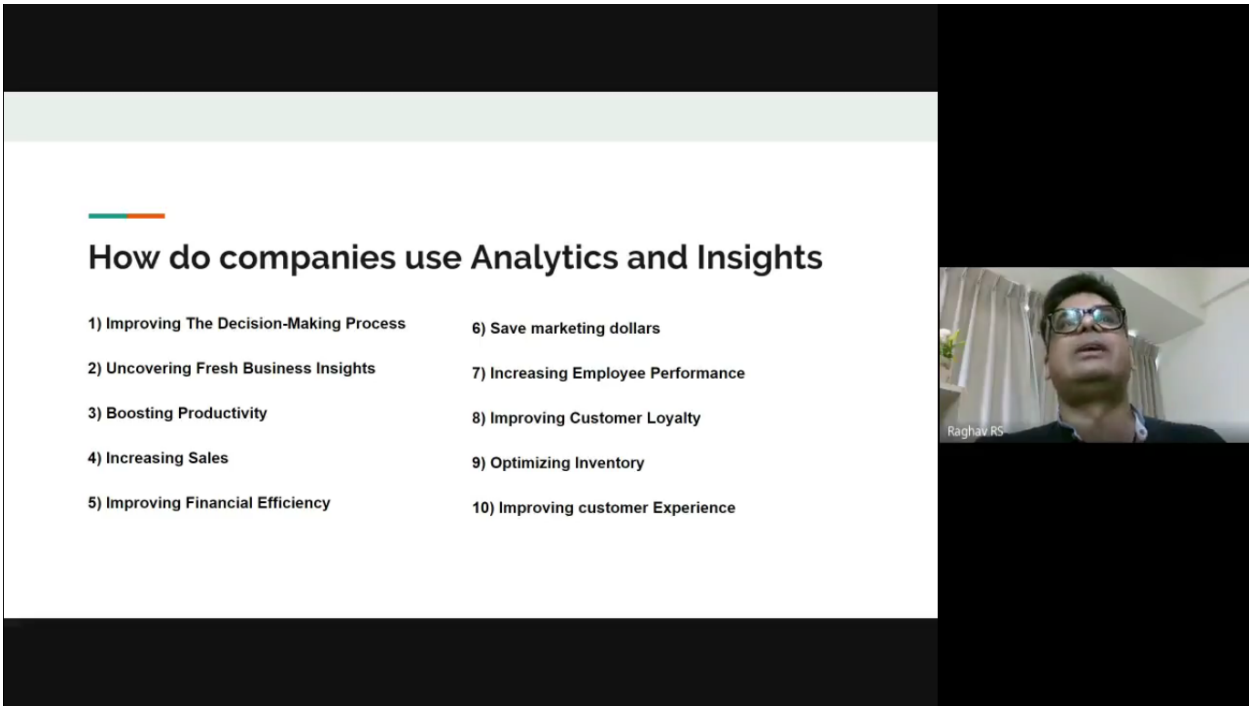


He said that due to Corona, all the teachers were worried about how a solid base can be built for the students. Then classes started on online mode. We all shifted to digital medium to engage the students and build their confidence. Same time technologies used were showed uncertainty, ambiguity and complexity. The technology however changed and people adopted digital medium. He suggested learning and adopting new technologies because everyday new technologies are coming.

Speaker :- Mr. Raghav Raghvendra Singh

Topic :- Analytics and Insight- The Key pillars in Consumer Centric Data Acquisition

Mr. Raghav Raghvendra Singh is an independent Analytics & Insight consultant for Asia Pacific Region based Singapore. He delivered an enlightening experience of his endeavors into digital transformation. The connected capacity building shaping the 21st century global citizen concept with a focus on user centric design, utilizing the diversity prevailing in the regional settings.



The True power of insights-Driven Marketing-why is it important to study your customer data?

How do companies use Analytics and Insights

1. Improving the Decision-Making Process
2. Uncovering fresh business Insights
3. Boosting Productivity
4. Increasing Sales
5. Improving Financial Efficiency
6. Save marketing dollars
7. Increasing Employee Performance
8. Improving customer loyalty
9. Optimization Inventory
10. Improving customer Experience

How this works in real life

Everyone wondered why these days, you have a monthly prepaid recharge plan valid for 28 days with your Telco provider?

Insights- Consumers have a habit of recharging monthly and they find more value in doing

recharge per month with existing 30 days plan, telecom operators get a maximum 12 cycles in a year.

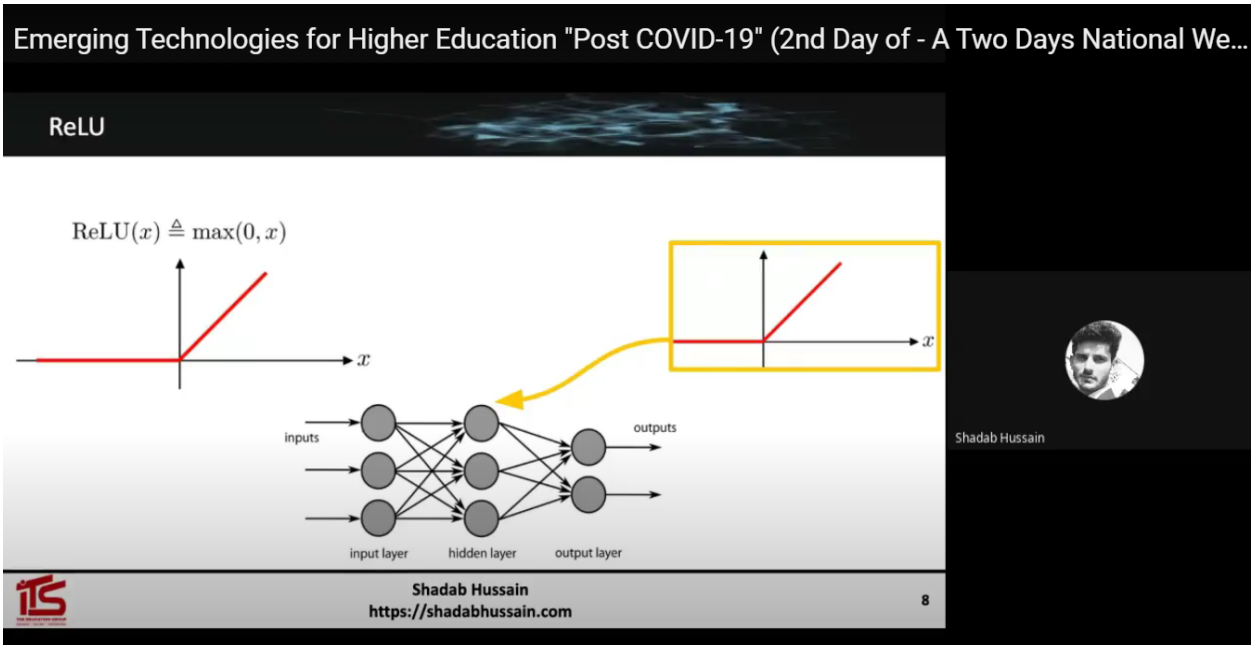
By changing to 28 days cycle ie, 4 week cycles, they get 13 billing cycles in a year.

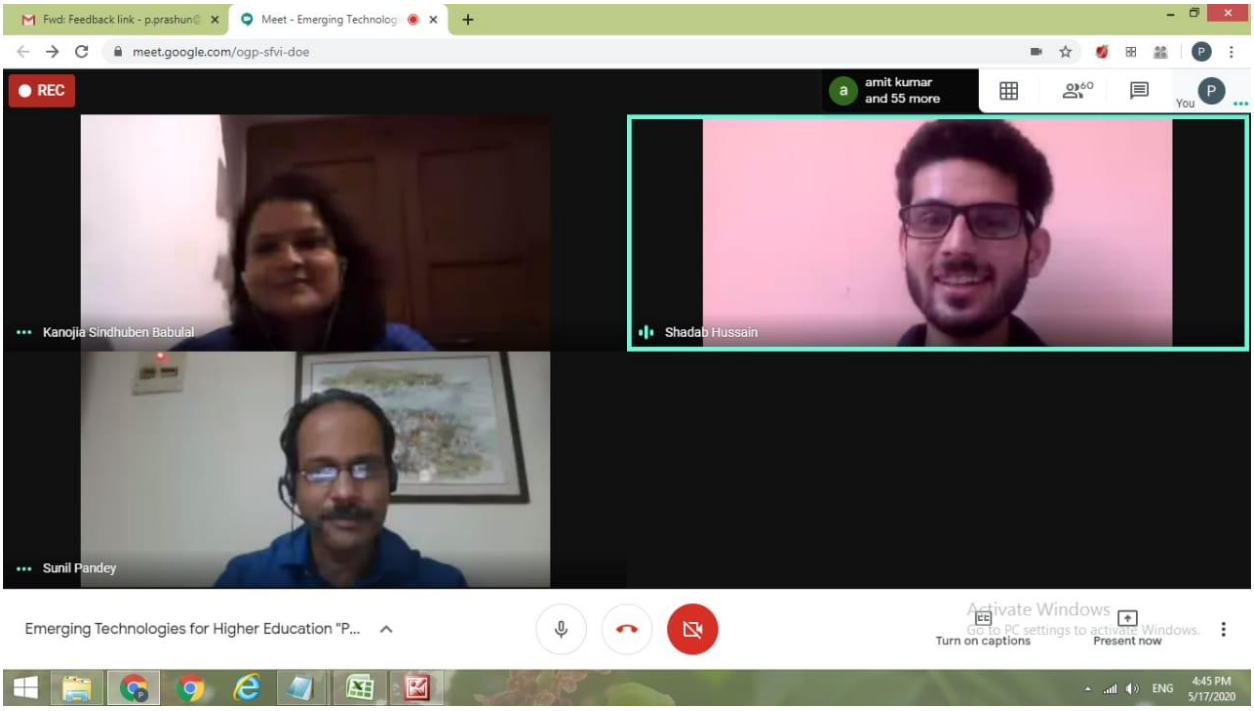
52 weeks/4 weeks= 13 billing cycle) that's 1 extra month of revenue to them without the customer feeling the pinch. He also discussed how company uses Analytics and Insight discussing about impact of Covid-19 on customer's behavior.

Speaker :- Mr. Shadab Hussain

Topic :- Deep Learning in Neural Network.

Mr. Shadab Hussain in his technical talk discussed about deep learning and its success in many field such as computer vision, audio/text processing. Many phone companies are using deep learning in image and speech recognition and translator and further in many application deep learning uses will increase. He discussed about Deep learning, Artificial Neural Network, Activation Function, CNN, RNN, LSTM Deep Learning frameworks, Learning ML/DL.

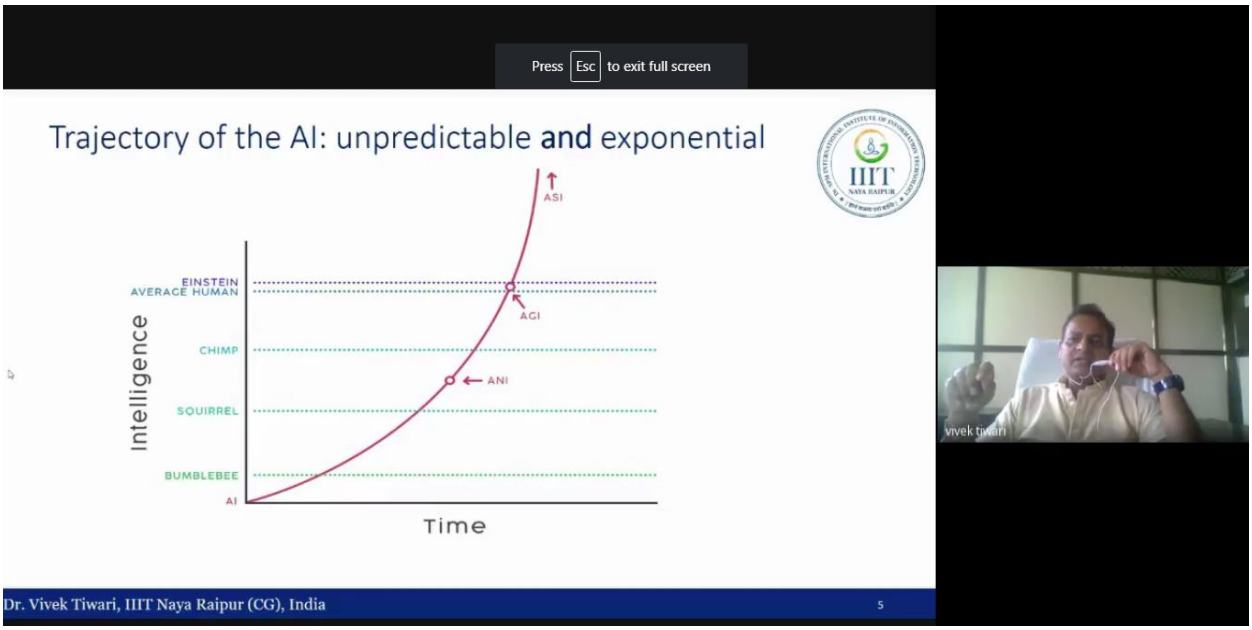




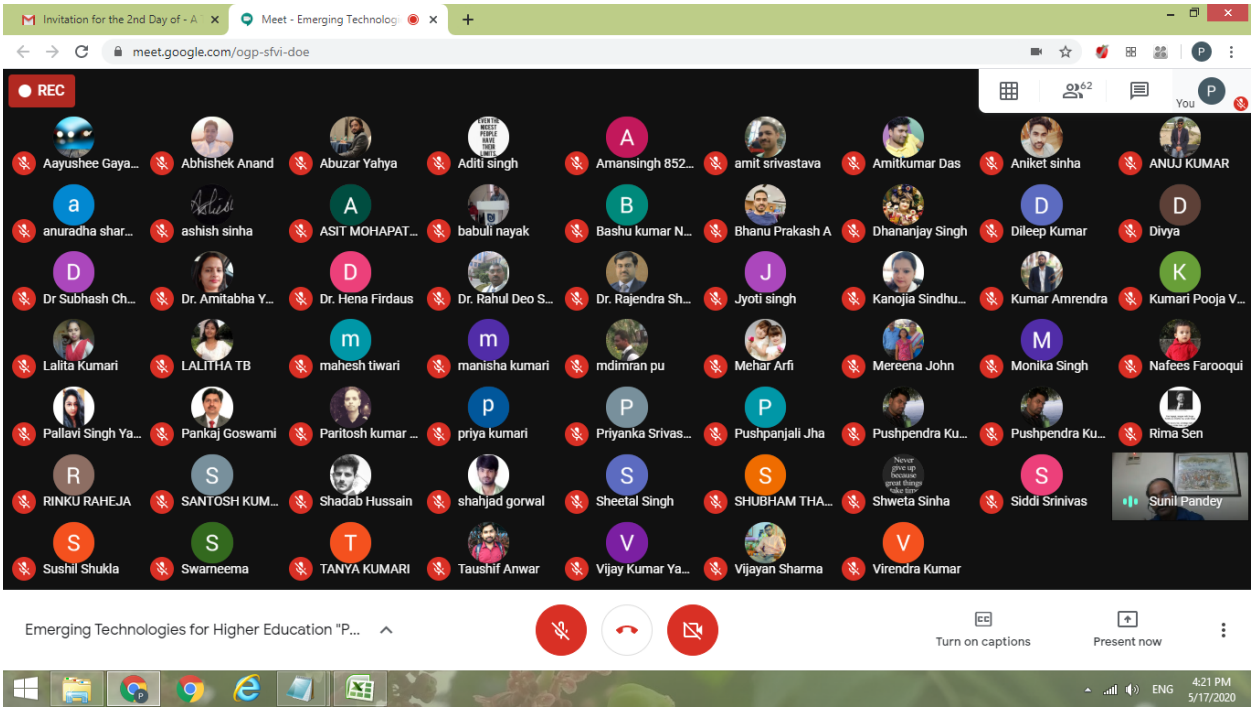
Speaker :- Dr. Vivek Tiwari

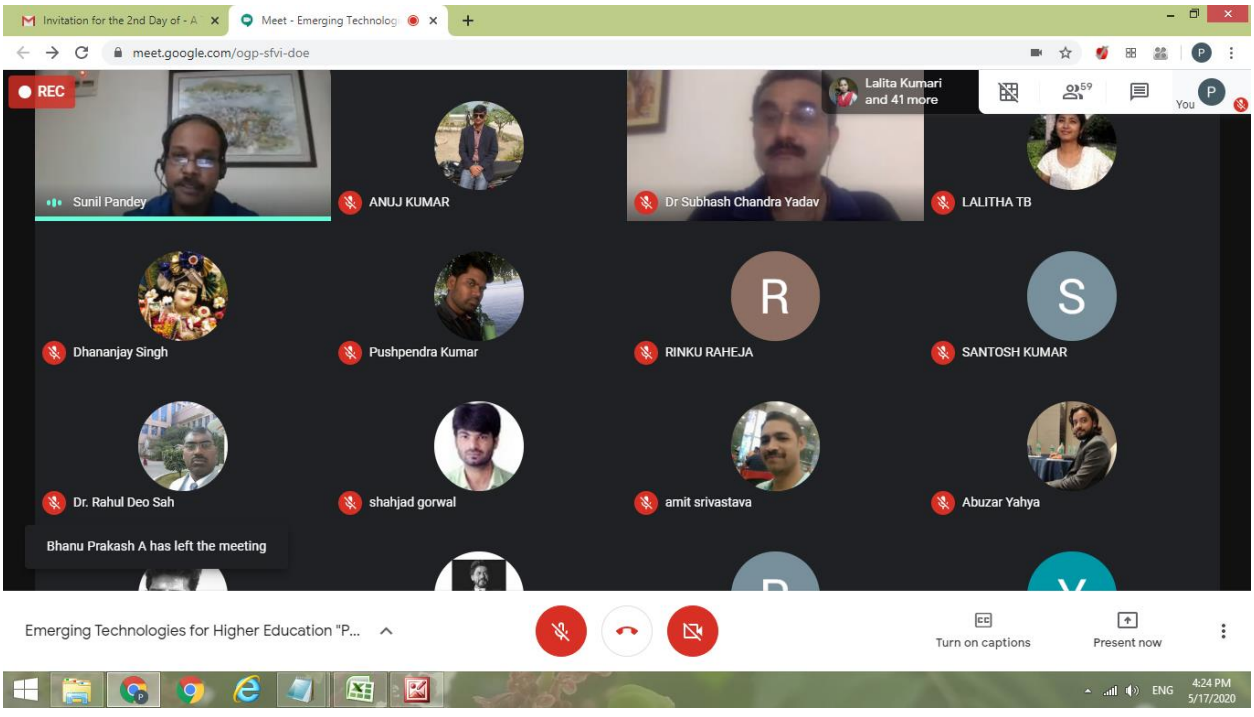
Topic : Machine Learning

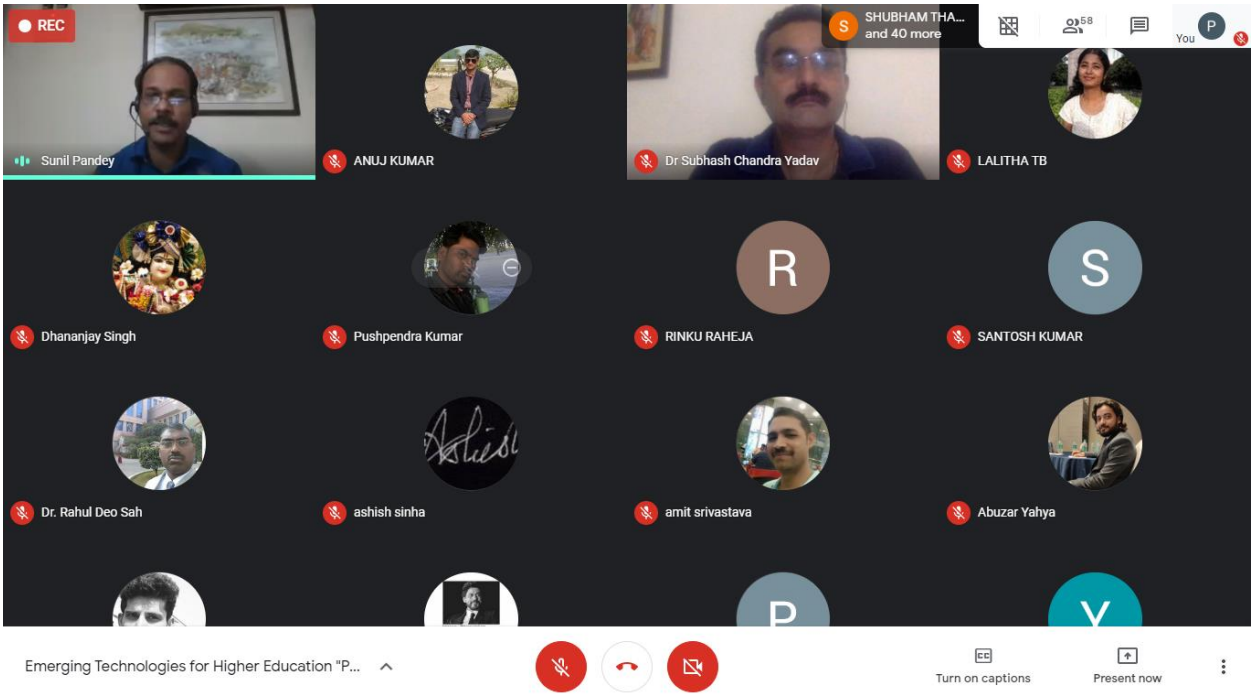
Further Dr. Vivek Tiwari discussed about impact of AI in daily human life in coming future. He said with the help of machine learning and medical data, model can be prepared by which the reason and prevention of disease could be known. He said that data is crude oil of 21st century. Due to Covid-19, Social Humanoid robots will become part of human life. The modern history of AI can be traced back to the year 1956 when john MeCarthy proposed the term as the topic for a conference held at Dartmouth College. He discussed about Artificial Intelligence and Autonomous learning. He dealt history of AI, trajectory of the AI, Machine learning, deterministic vs Non deterministic, deterministic problems like addition of two numbers, area of a circle, factorial etc, conventional vs machine learning programming.

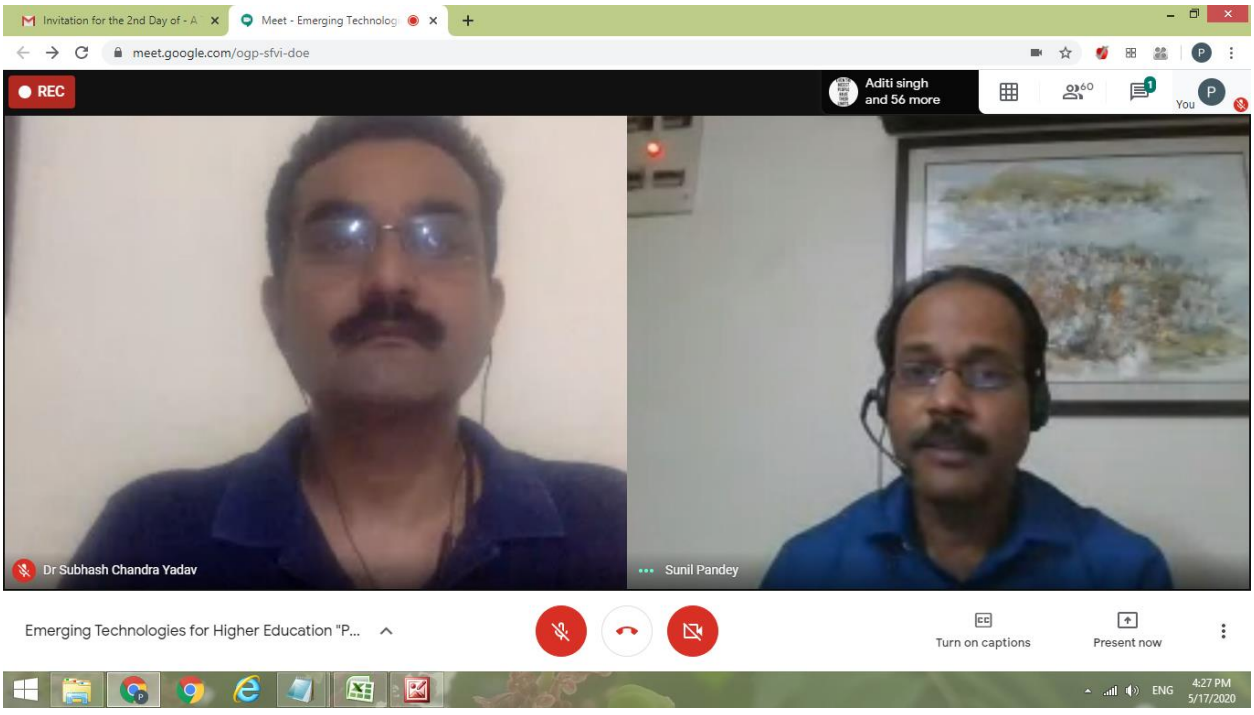


Below are some of the screenshots of the ongoing event in which various participant and the online mode could be visualized.


Invitation for the 2nd Day of - A
Meet - Emerging Technolog
meet.google.com/ogp-sfvi-doe
REC
You
Aayushee Gaya...
Abhishek Anand
Abuzar Yahya
Aditi singh
Amansingh 852...
amit srivastava
Amitkumar Das
Aniket sinha
ANUJ KUMAR
anuradha shar...
ashish sinha
ASIT MOHAPAT...
babuli nayak
Bashu kumar N...
Bhanu Prakash A
Dhananjay Singh
Dileep Kumar
Divya
Dr Subhash Ch...
Dr. Amitabha Y...
Dr. Hena Firdaus
Dr. Rahul Deo S...
Dr. Rajendra Sh...
Jyoti singh
Kanojia Sindhu...
Kumar Amrendra
Kumari Pooja V...
Lalita Kumari
LALITHA TB
mahesh tiwari
manisha kumari
mdimran pu
Mehar Arfi
Mereena John
Monika Singh
Nafees Farooqui
Pallavi Singh Ya...
Pankaj Goswami
Paritosh kumar ...
priya kumari
Priyanka Srivas...
Pushpanjali Jha
Pushpendra Ku...
Pushpendra Ku...
Rima Sen
RINKU RAHEJA
SANTOSH KUM...
Shadab Hussain
shahjad gorwal
Sheetal Singh
SHUBHAM THA...
Shweta Sinha
Siddi Srinivas
Sunil Pandey
Sushil Shukla
Swarneema
TANYA KUMARI
Taushif Anwar
Vijay Kumar Ya...
Vijayan Sharma
Virendra Kumar
Emerging Technologies for Higher Education "P...
Turn on captions
Present now
ENG
4:21 PM
5/17/2020

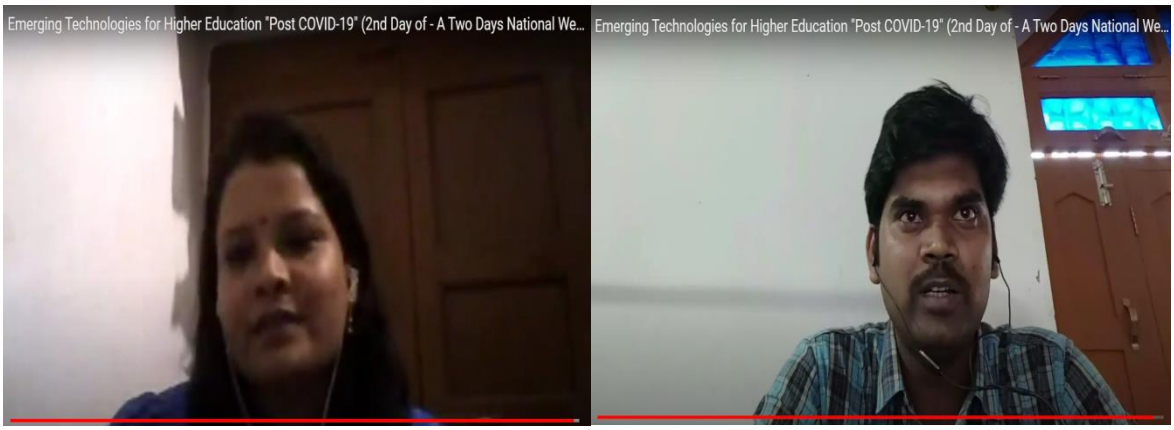

Invitation for the 2nd Day of - A
Meet - Emerging Technolog
meet.google.com/ogp-sfvi-doe
REC
Lalita Kumari and 41 more
You
Sunil Pandey
ANUJ KUMAR
Dr Subhash Chandra Yadav
LALITHA TB
Dhananjay Singh
Pushpendra Kumar
RINKU RAHEJA
SANTOSH KUMAR
Dr. Rahul Deo Sah
shahjad gorwal
amit srivastava
Abuzar Yahya
Bhanu Prakash A has left the meeting
Emerging Technologies for Higher Education "P...
Turn on captions
Present now
ENG
4:24 PM
5/17/2020





In Valedictory Session Prof.S.C.Yadav said that Post Covid-19 use of Online teaching learning pedagogy will also increase bringing more challenges to cyber security world. Webinar was technically operated by

Dr. Prashant Prasun and vote of thanks was proposed by Dr. Kanojia Sindhuben Babulal and Mr. Puspendra Kumar.



Event Schedule

Webinar : Emerging Technologies for Higher Education 'Post COVID-19'			
Inaugural Session : **May16th 2020 (Saturday)**			**Login Admin** **Dr. Prashant Prashun**
11:00-11:05	Welcome Address		Prof. Sarang Medhekar (Dean ,Natural Sciences)
11:05-11:15	Brief about the Webinar Topic		Head, DCST Prof. (Dr.) Subhash Chandra Yadav
11:15-11:35	Presidential Address		Prof. N.K. Yadav " Indu" Hon'ble Vice Chancellor Central University of Jharkhand, Ranchi
11:35-12:05	Address by Chief Guest		Prof. AK Nayak Immediate Past President CSI, Director IIBM & ZHI
12:05-12:45	Key Note Speech		Mr. Raghav R. Singh Analytics & Insight , APAC, Singapore **Topic:** Analytics and Insight - The Key Pillars in Consumer Centric Data Acquisition
12:45-12:50	Vote of Thanks		**Dr. Kanojia S. Babulal**
Technical & Valedictory Session **May17th 2020 (Sunday)** **Afternoon 2:00 PM to 4:00 PM)**			**Login Admin** **Dr. Prashant Prashun**
2:00-2:05	Welcome Address		Head, DCST Prof. (Dr.) Subhash Chandra Yadav
2:05-2:35	Key Note Speech		Prof. Sunil Kumar Pandey Director , IT & UG ITS , Ghaziabad **Topic:** Changing New Normal in Post COVID-19 : Scenario for Higher Education and Technology
2:35-4:05	Technical Talk -1		Ms. Chetna Das, Technical Product Manager IIM, Kozhikode **Topic:** Don't Just Learn, Practice it – Technical Product Design Perspectives
4:05--4:35	Technical Talk -2		Dr. Vivek Tiwari IIIT, Naya Raipur **Topic:** Machine Learning
4:35--5:05	Technical Talk -3		Mr. Sadab Hussain Data Scientist , The Mathcompany Banglore **Topic:** Deep Learning
5:05-5:10	Vote of Thanks		**Mr. Pushpendra Kumar**

Media Coverage of the Event

सीयूजे. वैश्विक महामारी व उच्च शिक्षा में तकनीकी आयाम पर चर्चा

कंप्यूटर और डिजिटल तकनीक से हम हमेशा आगे बढ़ते रहेंगे

विशेष संवाददाता ● रांची

कंप्यूटर सोसाइटी ऑफ इंडिया व आइआइबीएम व जेडएनआइ ग्रुप के निदेशक प्रो एके नायक ने कहा कि कोविड–19 महामारी ने हमारी जीवन शैली को बदल दिया है. लॉकडाउन में आज उच्च शिक्षा से लेकर मूलभूत शिक्षा तक सब कुछ कंप्यूटर एवं डिजिटल टेक्नोलॉजी से संभव हो रहा है. हम चाहे किसी भी मानवीय या प्राकृतिक आपदा से क्यों न घिरे हों, लेकिन कंप्यूटर एवं डिजिटल तकनीक के प्रयोग से हमेशा आगे बढ़ते रहेंगे.

प्रो नायक केंद्रीय विवि, झारखंड अंतर्गत कंप्यूटर साइंस टेक्नोलॉजी के तत्वावधान में शनिवार को वैश्विक महामारी और उच्च शिक्षा में उभरते तकनीकी आयाम विषय पर आयोजित वेबिनार में बोल रहे थे. प्रो नायक ने कंप्यूटर विकास पर चर्चा करते हुए बताया कि हम तकनीक का प्रयोग करते हुए टेलीपैथी तकनीक की तरफ अग्रसर हो सकते हैं.. यदि ऐसा होता है, तो यह मनुष्य जाति के लिए वरदान साबित होगा. चेतनादास ने प्रोडक्ट डिजाइन पर चर्चा करते हुए कहा कि गूगल असिस्टेंस, यूट्यूब, गूगल क्लासरूम आदि की सहायता से विभिन्न तरह की जानकारी प्राप्त की जा सकती है. लॉकडाउन में विद्यार्थी अपना पाठ्य सामग्री खोज कर पढ़ाई जारी रख सकते हैं. कुलपति प्रो नंद कुमार यादव इंदू ने आधुनिक युग में उच्च शिक्षा के बदलते परिदृश्य पर चर्चा की. इससे पूर्व आगंतुकों का स्वागत प्रो सारंग मधुकर ने किया. विभागाध्यक्ष प्रो एससी यादव ने वेबिनार की रुपरेखा प्रस्तुत की. संचालन डॉ प्रशांत प्रसून ने व धन्यवाद ज्ञापन डॉ कनोजिया सिंधुवेन ने किया.

उच्च शिक्षा में कंप्यूटर और डिजिटल टेक्नोलॉजी जरूरी

वेबिनार

रांची | प्रमुख संवाददाता

केंद्रीय विश्वविद्यालय झारखंड के कंप्यूटर एंड टेक्नोलॉजी विभाग की ओर से आयोजित दो दिवसीय राष्ट्रीय वेबिनार की शुरुआत शनिवार को हुई। इसमें वैश्विक महामारी और उच्च शिक्षा में उभरते तकनीकी आयाम, विषय पर विशेषज्ञों ने चर्चा की। बतौर मुख्य अतिथि कंप्यूटर सोसायटी ऑफ इंडिया के पूर्व राष्ट्रीय अध्यक्ष प्रोफेसर एके नायक शामिल हुए।

वेबिनार की शुरुआत करते हुए सीयूजे के कुलपति प्रोफेसर नंद कुमार यादव इंदु ने आधुनिक युग में उच्च शिक्षा में बदलते परिदृश्य पर चर्चा की।

कहा कि विश्वविद्यालय में गूगल माइक्रोसॉफ्ट व सिस्को के उपलब्ध ऑनलाइन टूल का उपयोग करते हुए समस्त विभागों की ओर से ऑनलाइन कक्षाओं का संचालन किया जा रहा है। मुख्य अतिथि प्रोफेसर एसके नायक ने उच्च शिक्षा के लिए कंप्यूटर वर्ड डिजिटल टेक्नोलॉजी को अनिवार्य बताया।

मुख्य वक्ता चेतना दास ने प्रोडक्ट डिजाइन पर चर्चा की। वेबिनार के संयोजक प्रोफेसर एसएससी यादव ने बताया कि इसमें देश के विभिन्न तकनीकी संस्थानों के प्रतिभागी हिस्सा ले रहे हैं संचालन डॉ प्रशांत प्रसून ने किया।

राष्ट्रीय वेबिनार का समापन

रांची। केंद्रीय विश्वविद्यालय झारखंड के कंप्यूटर साइंस एंड टेक्नोलॉजी विभाग की ओर से आयोजित दो दिवसीय राष्ट्रीय वेबिनार के आखिरी दिन रविवार को उच्च शिक्षा में तकनीक के प्रभाव पर विशेषज्ञों ने चर्चा की। सिंगापुर में एशिया पेसिफिक के स्वतंत्र विश्लेषक राघव राघवेंद्र ने विश्लेषण तकनीक आंकड़े पर चर्चा की।

दूसरे वक्ता प्रोफेसर सुनील पांडे ने कहा कि तकनीक उच्च शिक्षा को वर्तमान समय में प्रभावित कर रही है। डाटा विशेषज्ञ शादाब हुसैन ने डीप लर्निंग पर चर्चा की। डॉ विवेक तिवारी ने डाटा के महत्व पर बात की। समापन सत्र में डॉ एससी यादव ने कहा कि आनेवाला समय पठन-पाठन को ऑनलाइन प्लेटफॉर्म का प्रयोग करने के लिए प्रोत्साहित करेगा। **(प्रसं.)**