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6th International Conference

On

"Emerging Technologies in Computer Engineering: Cognitive Computing and Intelligent IoT"

(ICETCE-2023)

03th-04th February, 2023

RTU Recognized Centre of Excellence (CoE)
"INTERNET OF THINGS"

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Contributors:

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CONFERENCE REPORT

Organized By:

IOT-CoE (Centre of Excellence)

Department of Computer Science & Engineering & Department of Department of Department of Information Technology (NBA Accredited)

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Website: https://icetce.skit.ac.in/

GENERAL CHAIR	TECHNICAL PROGRAM CHAIR	CONFERENCE CHAIR	PUBLICATION CHAIR	ORGANIZING CHAIR
Prof. Seeram Ramakrishna, Vice President Research Strategy, Professor, Faculty of Engineering National University of Singapore (NUS), Singapore.	1. Prof. Arun K. Somani, College of Engineering, Iowa State University, Ames, USA 2. Prof. Samira Hosseini, Research Professor, Tecnológico de Monterrey, Mexico 3. Dr Hari Prabhat Gupta, Indian Institute of Technology, IIT BHU 4. Dr. Pankaj Dadheech, Associate Professor (CSE), SKIT, India 5. Dr. Mehul Mahrishi, Associate Professor (IT) SKIT, Jaipur	Prof. G. R. Sinha, International Institute of Information Technology (IIIT), Bangalore, IEEE Executive Council Member, MP Subsection, India.	1. Prof. (Dr.) Mukesh Kumar Gupta, Professor & Head, Department of Computer Science & Engineering, SKIT, Jaipur 2. Dr. S.R. Dogiwal, Associate Professor, Department of Information Technology, SKIT, Jaipur	Prof. (Dr.) Anil Chaudhary, IEEE SM: 90508967 , Head, Department of Information Technology, SKIT Dr. C. M. Choudhary, Professor, Department of Computer Science & Engineering, SKIT

	AUTHOR/OWNER	REVIEWED BY	APPROVED BY
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DESIGNATION	SECRETARY	COORDINATOR	CONVENER

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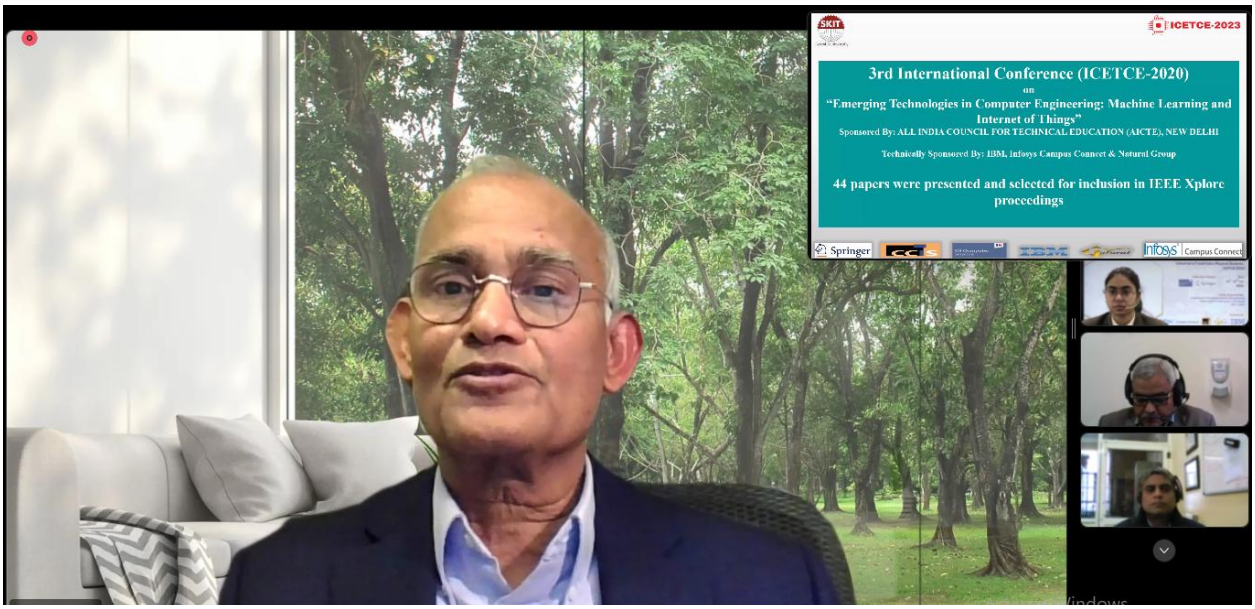

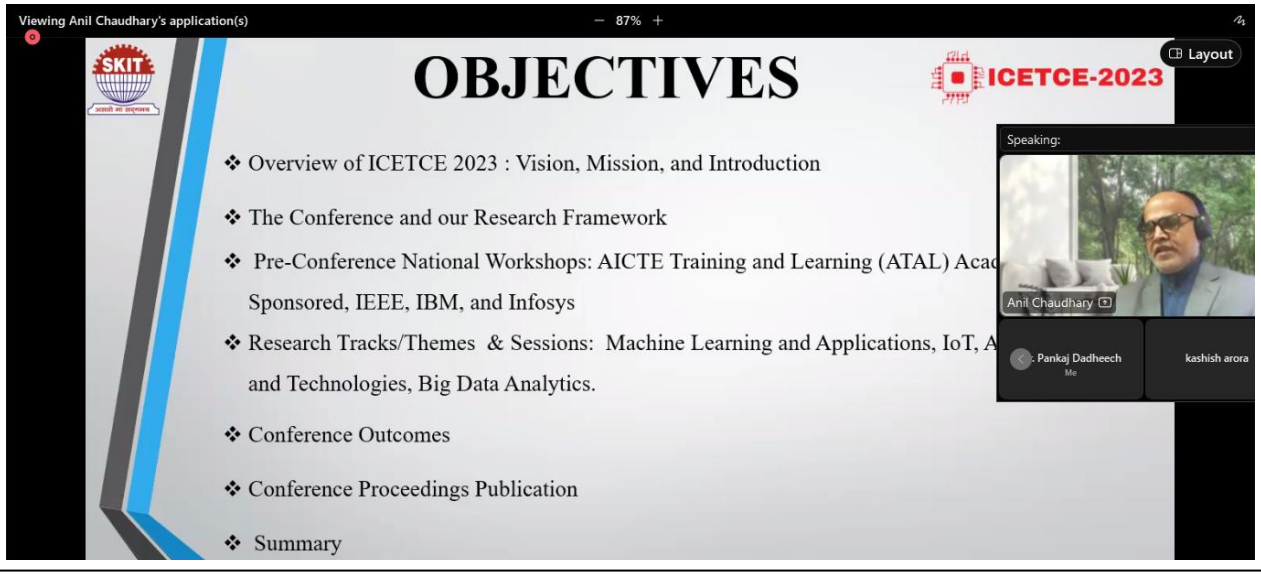


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on
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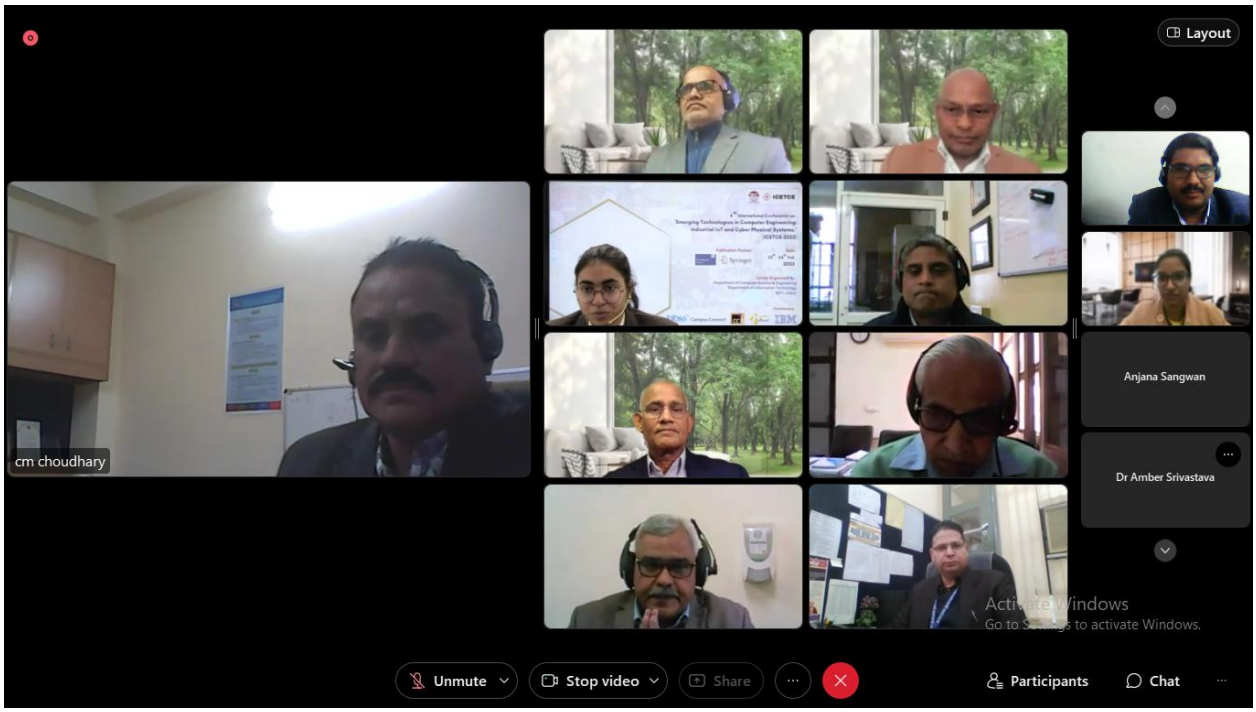
Prof. Seeram Ramakrishna
General Chair, ICETCE-2023
Vice President Research Strategy, Professor,
Faculty of Engineering,
National University of Singapore (NUS), Singapore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Dr Amber Srivastava
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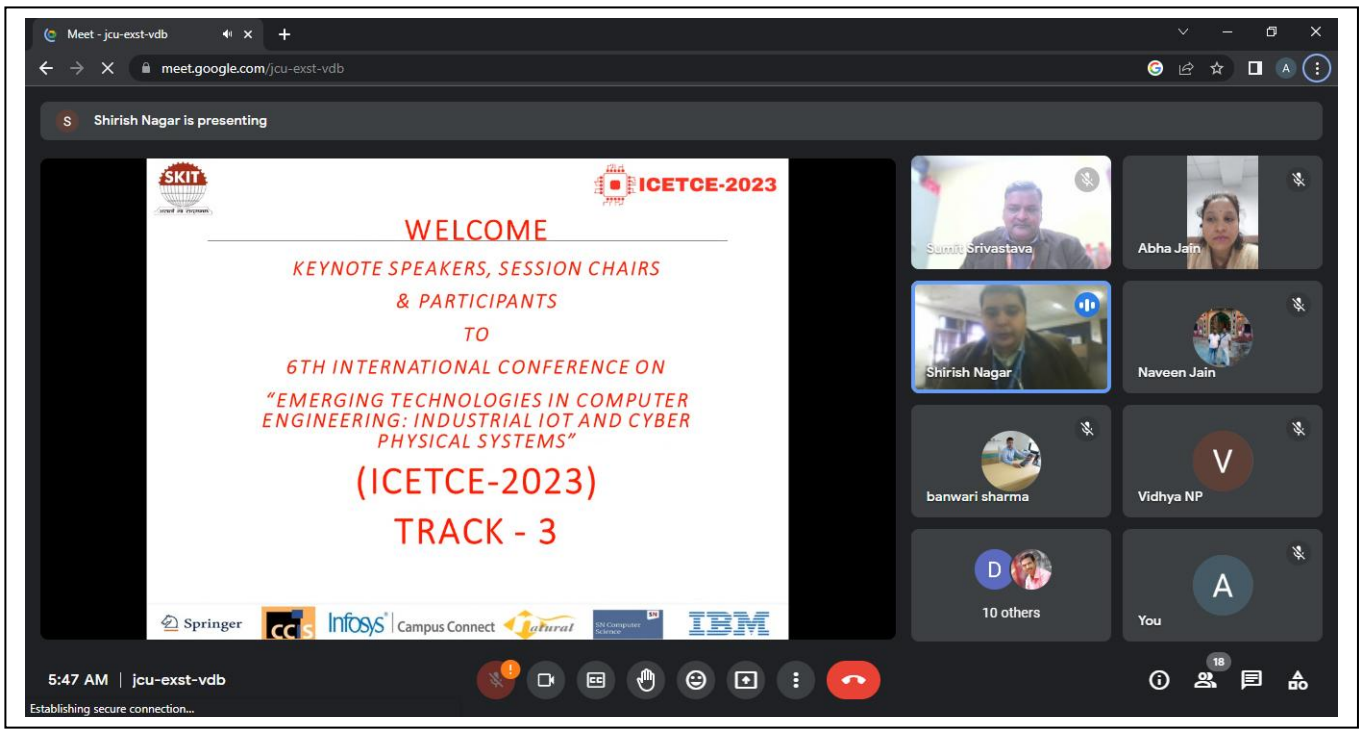
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Shirish Nagar is presenting
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WELCOME
KEYNOTE SPEAKERS, SESSION CHAIRS
& PARTICIPANTS
TO
6TH INTERNATIONAL CONFERENCE ON
"EMERGING TECHNOLOGIES IN COMPUTER ENGINEERING: INDUSTRIAL IOT AND CYBER PHYSICAL SYSTEMS"
(ICETCE-2023)
TRACK - 3
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Infosys Campus Connect
IBM
Sumit Srivastava
Abha Jain
Shirish Nagar
Naveen Jain
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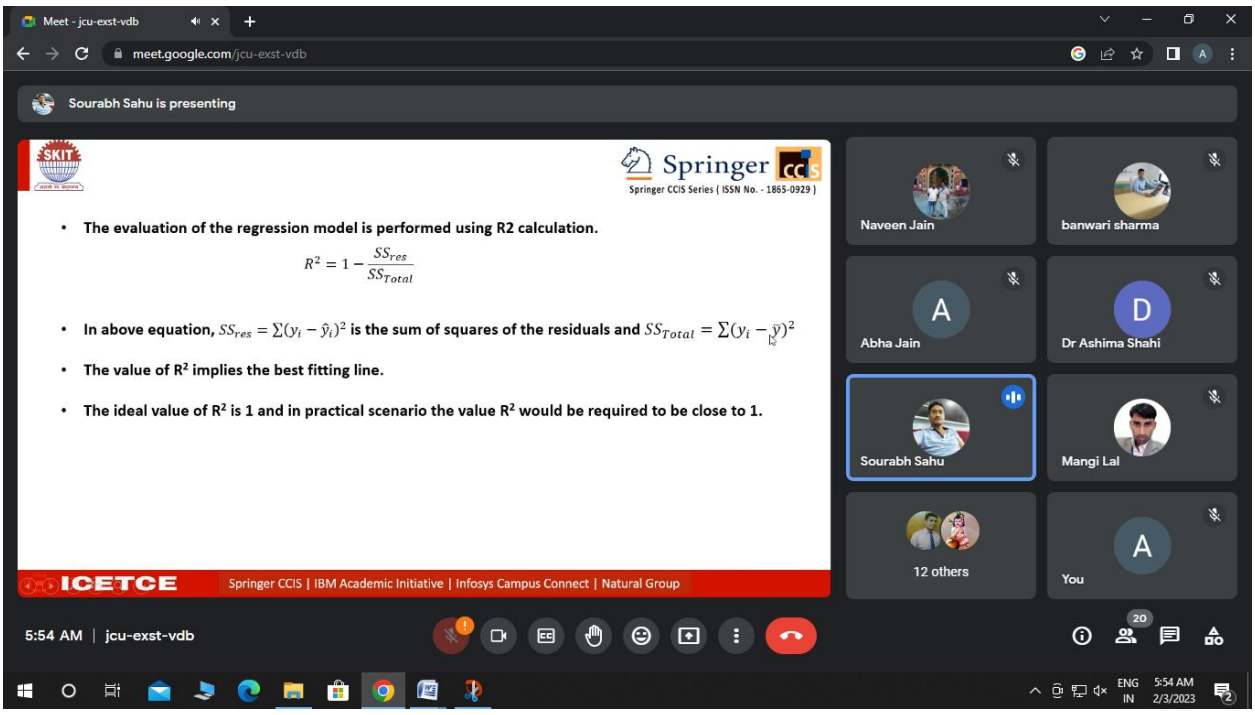
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meet.google.com/jcu-exst-vdb
Sourabh Sahu is presenting
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• The evaluation of the regression model is performed using R2 calculation.
$R^2 = 1 - \frac{SS_{res}}{SS_{Total}}$
• In above equation, $SS_{res} = \sum(y_i - \hat{y}_i)^2$ is the sum of squares of the residuals and $SS_{Total} = \sum(y_i - \bar{y})^2$
• The value of R² implies the best fitting line.
• The ideal value of R² is 1 and in practical scenario the value R² would be required to be close to 1.
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Naveen Jain
banwari sharma
Abha Jain
Dr Ashima Shahi
Sourabh Sahu
Mangi Lal
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OVERVIEW OF ICETCE-2023

1. Introduction:

First National Conference started in 2011. This conference aims to provide a stage for expert technical exchanges and exhibition regarding the advanced technologies, equipment's, techniques, and innovations applied in the field of Computer Engineering.

It has attracted government officials, multinational experts, managers, researchers and technocrats in a relevant field to discuss together their ideas and experiences.

First International Conference started in 2018. The Organizing Committee of 6th International Conference ICETCE-2023, with its utmost sincerity, intends to invite all the related experts and scholars worldwide to attend the Conference and to realize the most extensive exchanges and discussion in this field.

Vision

"To contribute to the Research Community through excellence in scientific and technical research; to serve as a valuable resource, platform for industry and society; and remain a source of pride for researchers."

Mission

"To advance the state of the art in Computer Engineering and to bring those advances in benefit of Society's businesses."

6th INTERNATIONAL CONFERENCE

2. Two Days International Conference on "Emerging Technologies in Computer Engineering: Industrial IoT and Cyber Physical Systems" (ICETCE-2023).

(03th -04th Feb. 2023).

INAUGURAL CEREMONY

CONFERENCE CHAIR - Prof. G. R. Sinha, International Institute of Information Technology (IIIT), Bangalore, IEEE Executive Council Member, MP Subsection, India.

GENERAL CHAIR - Prof. Seeram Ramakrishna, Vice President Research Strategy, Professor, Faculty of Engineering National University of Singapore (NUS), Singapore.

GUEST OF HONOUR – **Ms. Mona Bharadwaj,** Global University Programs - India Leader at IBM Research

INAUGRATION

The inaugural ceremony on the first day of the 6th International Conference on "Emerging Technologies in Computer Engineering: Industrial IoT and Cyber Physical Systems" (ICETCE-2023)

Conference started with the welcome note of Prof. **(Dr.) Ramesh Pachar**, Principal, SKIT, Jaipur. After that journey of the ICETCE was presented by Prof. **(Dr.) Arun K. Somani**, conference chair ICETCE-23. Prof. Somani brought the complete history of the conference with his words in a very effective way and mentioned how the conference has evolved in terms of its theme in accordance with the fast change in technology. He shared his experience with the event since the beginning when the conference started as a National conference.

Prof. (Dr.) Anil Choudhary, organizing chair, ICETCE-23, started his speech with conference objectives and then mentioned about the impact of the conference in the research endeavors of the college. He listed all the pre-conference activities such as workshops, seminars, summer internships, etc., which are carried out throughout the academic year. Prof. Choudhary gave introduction of all the tracks of ICETCE-23 to the attendees and threw light on how they are relevant in today's industry requirements. He presented all the expected research outcomes of the ICETCE-23 and finally thanked the publication partners for being there since the beginning of the conference. After that, all the dignitaries shred their thoughts about the conference starting with guest of honor **Ms. Mona Bhardwaj**, Country manager, University relations, IBM Research, Bangalore. She appreciated the quality and standards of the papers accepted in the conference. She also referred the report of world economic forum to mention the significance of conferences like ICETCE-23 in the development of latest IT technologies. She mentioned that technology has a key role in today's business model and these conferences help industry to innovate. She also shared the inspirational stories of Thomas Edison, Tesla, and how inventions happened at IBM since the first floppy to Watson. In succession, **Ms Nivedita Sharma**, Cloud Specialist, Microsoft, shared her views, she emphasized on the speed of change in technology and how students can learn these new technologies through various different platforms. She

mentioned about today's technological advancements through Chat GPT, AI, and Block chain and congratulated SKIT for keeping the conference themes always as per the current and upcoming technologies. Ms. Nivedita highlighted the role of India at world level by mentioning how India is showing way to others countries. She added that India's Aadhar and UPI implementations are being studied in foreign universities as case studies. **Dr. Mani Madhukar**, Program Manager, Global University Programs, IBM Research, congratulated SKIT for maintain such high standards in ICETCE with latest technology trending themes. He introduced various skill development platforms such as Skillbuild, Credly, and emphasized on the requirement of skill development.

Prof. Seeram Ramakrishna, General Chair, ICETCE-2023, Vice President, Research Strategy, NUS, Singapore, enlighten the attendees with his wisdom. Prof. Seeram appreciated the team ICETCE and SKIT for getting the theme always in synch with state of art requirements. He mentioned about the role of such conferences in the journey of a researcher and congratulated all the Indian students and researchers who are contributing significantly towards solving the problems of mankind all over the globe.

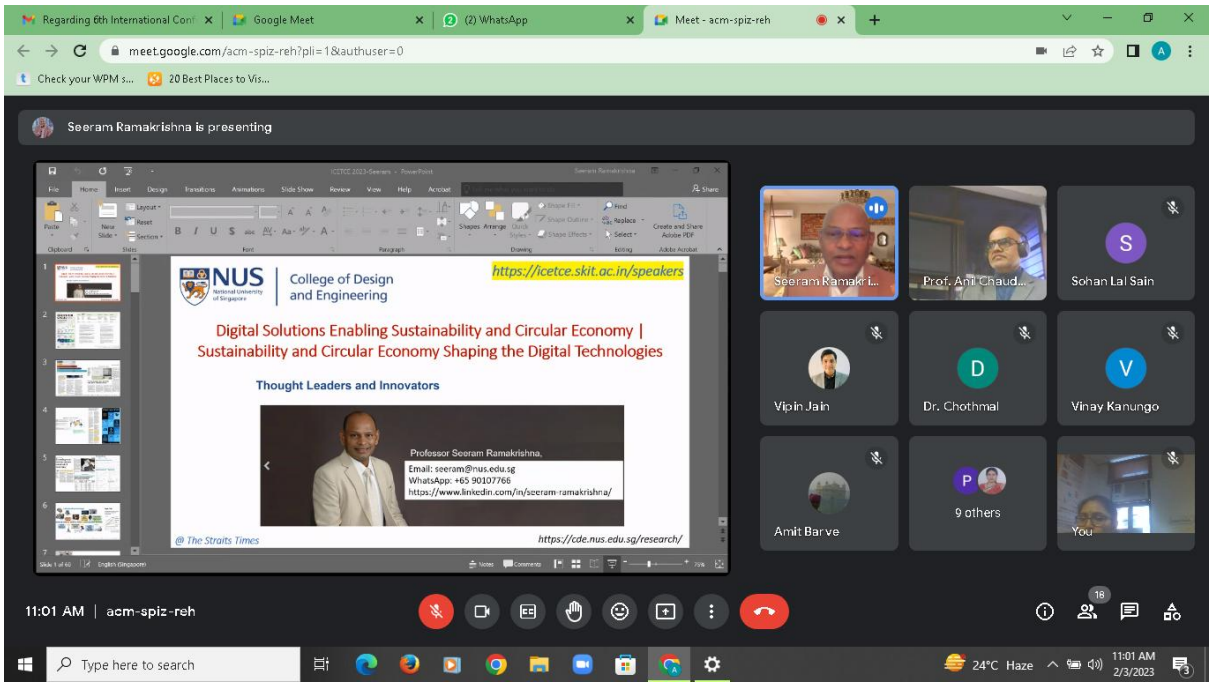
In the end of the inaugural, a vote of thanks was given by **Prof. (Dr.) C. M. Choudhary**, Organizing Chair, ICETCE-2023. Prof. Choudhary expressed heartfelt gratitude to all the esteemed guests and participants from team SKIT and promised for more enhanced future endeavors.

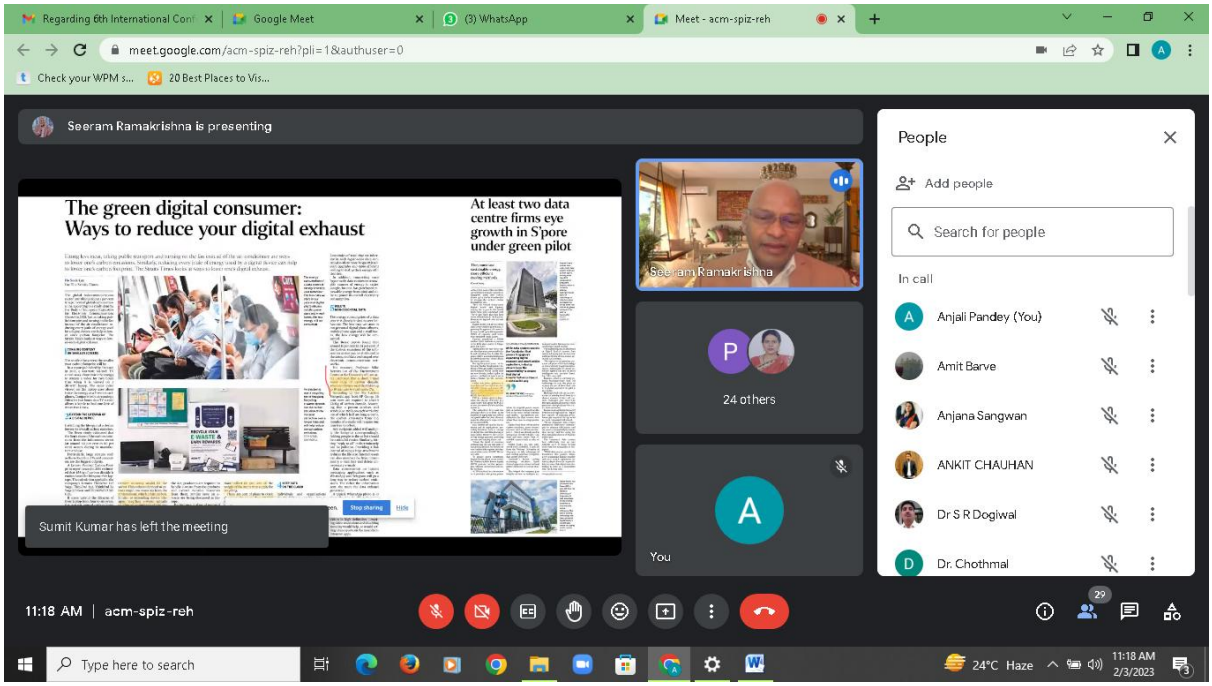
Day 1-Track-1: Industrial IoT
Keynote Session

Keynote speaker - Prof. Seeram Ramakrishna, Vice President Research Strategy, Professor, and Faculty of Engineering, National University of Singapore (NUS)**.**
Topic of Talk: Digital Solutions Enabling Sustainability and Circular Economy p | Sustainability and Circular Economy Shaping the Digital Technologies
Keynote Session Time: 10:30 am - 11:00 am
Link of the Session: - https://meet.google.com/acm-spiz-reh?pli=1&authuser=0
No. of Participants: - 29
Summary of the keynote session: -

- **Prof. Ramakrishna** has talked about the digital solutions enabling sustainability and circular economy.
- He has discussed that how common emissions and electonic waste are increasing due to rapid embracement of digital technologies.
- He has also mentioned the digital technologies like automated robotized systems, ML systems for sustainability of energy and creating opportunities for improving the efficiency of cooling systems.
- He has talked about the datacenters and mentioned it as a growth industry
- He has emphasized about the sound management of e-waste.
- He has also talked about the role of sustainability and circular economy in shaping the digital technologies.

Screen Shot of the Session:-





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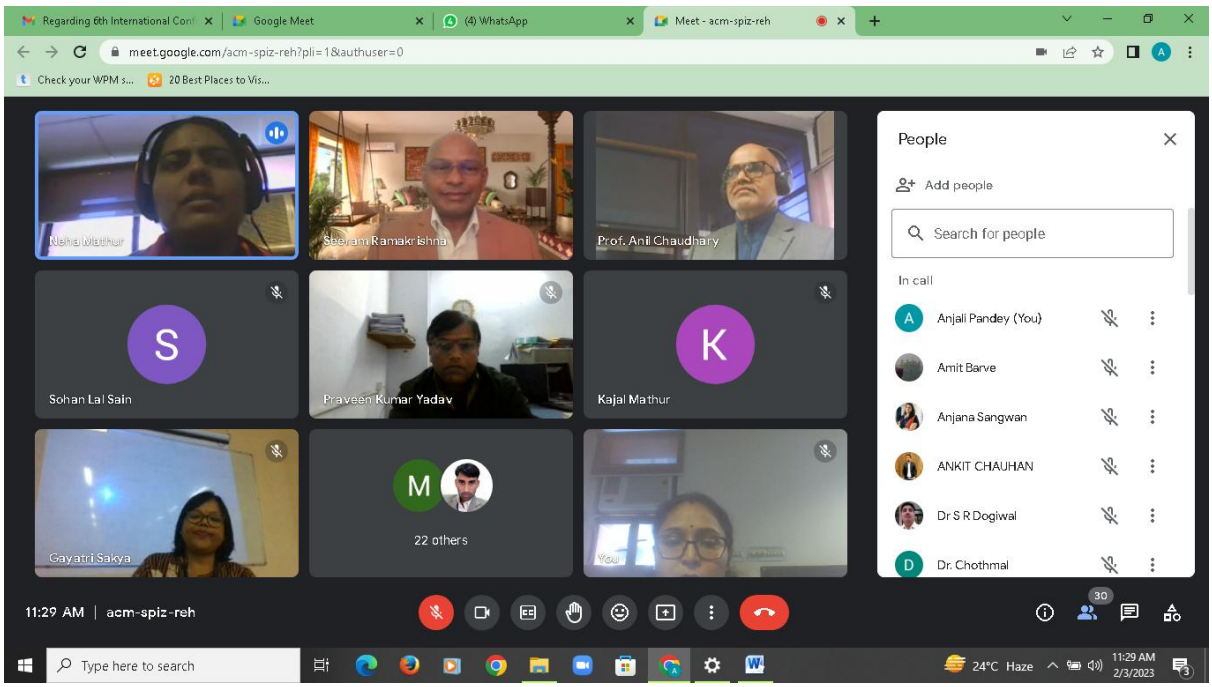


Track-1: Industrial IoT

Keynote speaker: - Dr. Amit Barve, Associate Professor and Head, Department of Computer Engineering, Parul Institute of Engineering & Technology Parul University Vadodara.

Topic of Talk: High Performance Computing Applications in IoT Domain

Keynote Session Time: 11:00 am - 11:30 am

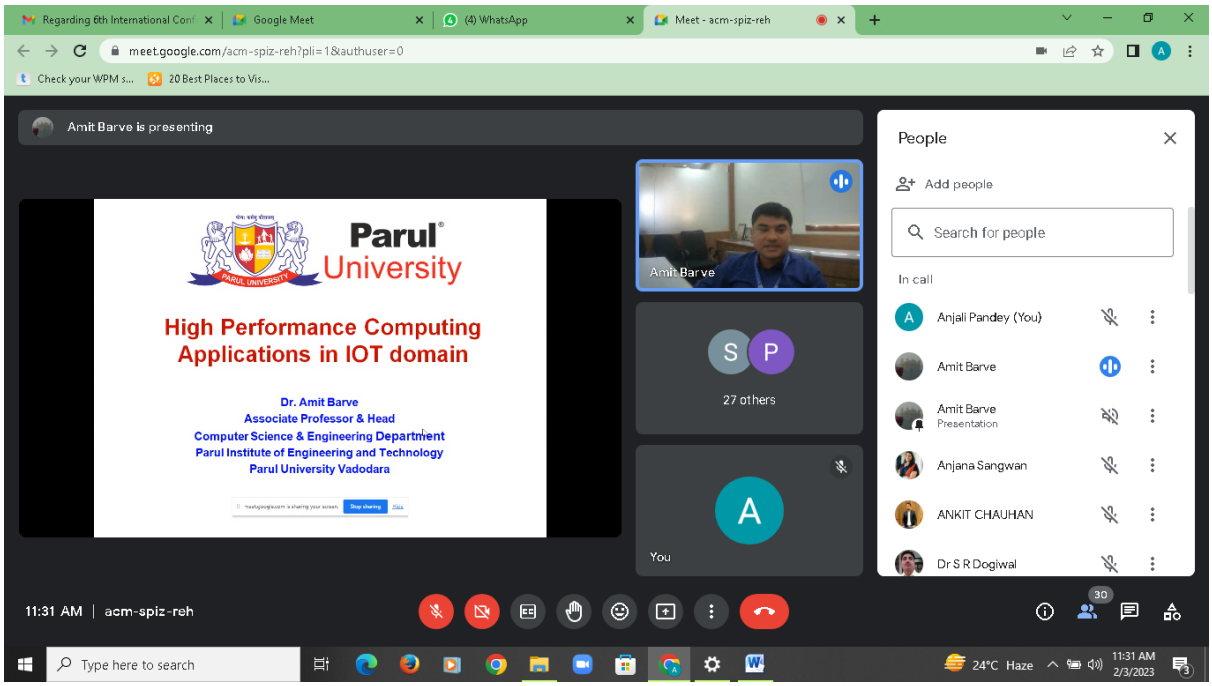
Link of the Session:- https://meet.google.com/acm-spiz-reh?pli=1&authuser=0

No. of Participant: - 30

Summary of the keynote session: -

- **Dr. Amit,** has talked about the high performance computing and its applications.
- He has talked about the top 500 Projects and supercomputers.
- He has also talked about the Flynn's classification.
- He has talked about the Accelerators/CoProcessors Family.
- He has also talked about the Intel's Tick Tock Model.

Screen Shot of the Session:-



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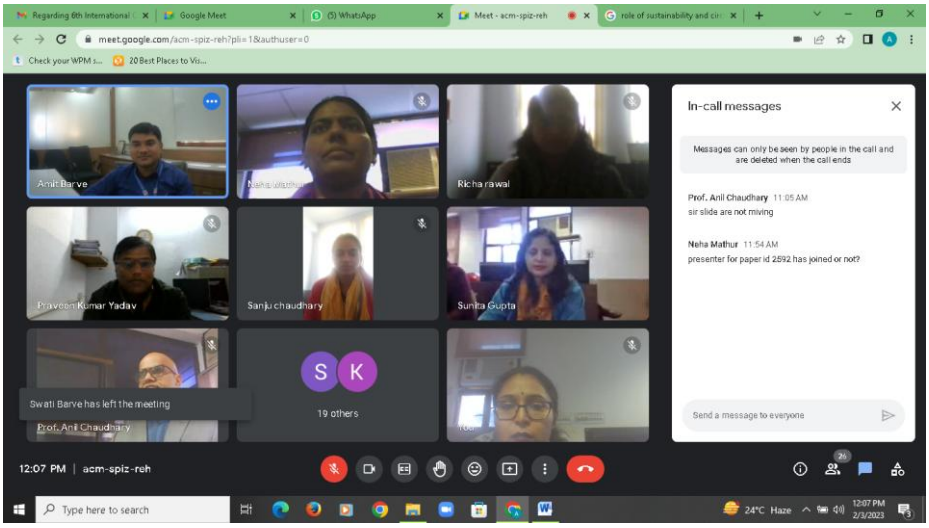


Technical Session Chair:

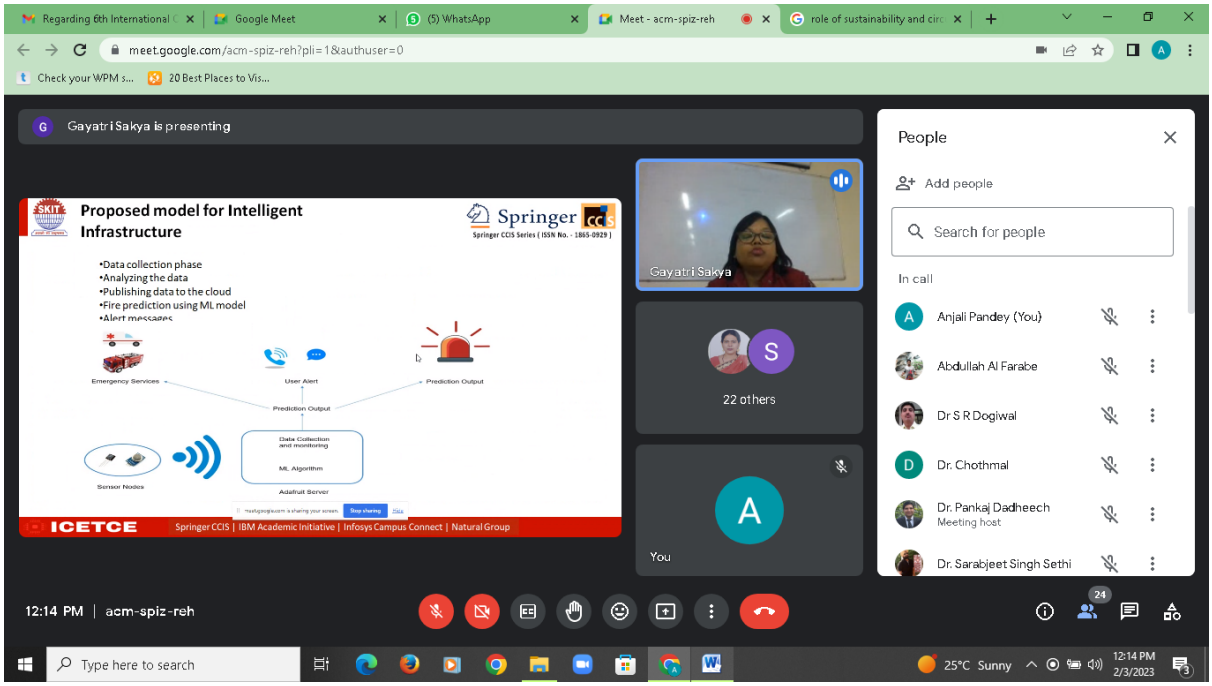
1. Dr. Priyanka Harjule, Assistant Professor, Malaviya National Institute of Technology, Jaipur
2. Dr. Rajiv Singh, Associate Professor, Department of Computer Science, Banasthali Vidyapith, Rajasthan, India.

Session Coordinator(s):

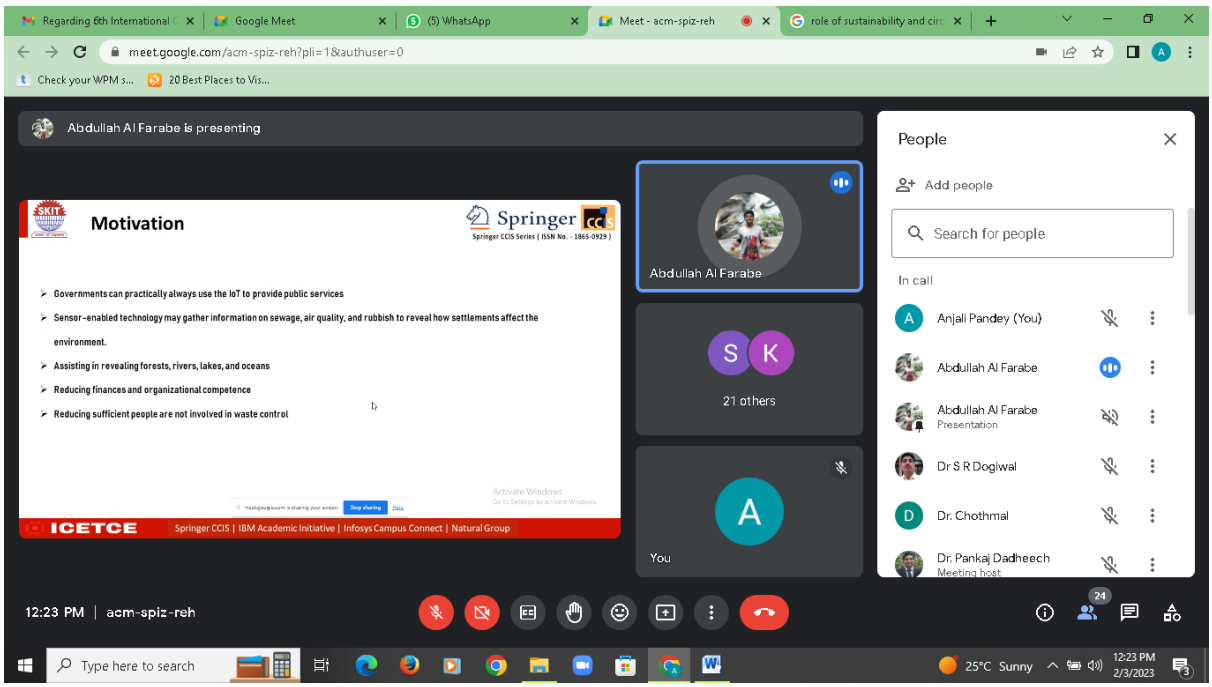
1. Ms. Shalini Singhal
2. Ms. Neha Mathur
3. Mr. Anjali Pandey

The following papers were presented during the session,

1. Paper ID: 2409
Title: An Intelligent Model for Early Fire Detection using IoT/Lora in Smart City
Author: Dr. Gayatri Sakya, Ankush Tomar, Ajit Singh Gangwar, and Arjun Kesharwani
Presented By: Dr. Gayatri Sakya



2. Paper ID: 2592
Title: IoT- Based Smart Air Quality and Waste Management System
Author: Fairoz Nower Khan, Amit Hasan Khan, Abdullah Al Farabe, Nabuat Zaman Nahim, and Mahila Rahman
Presented By: Abdullah Al Farabe

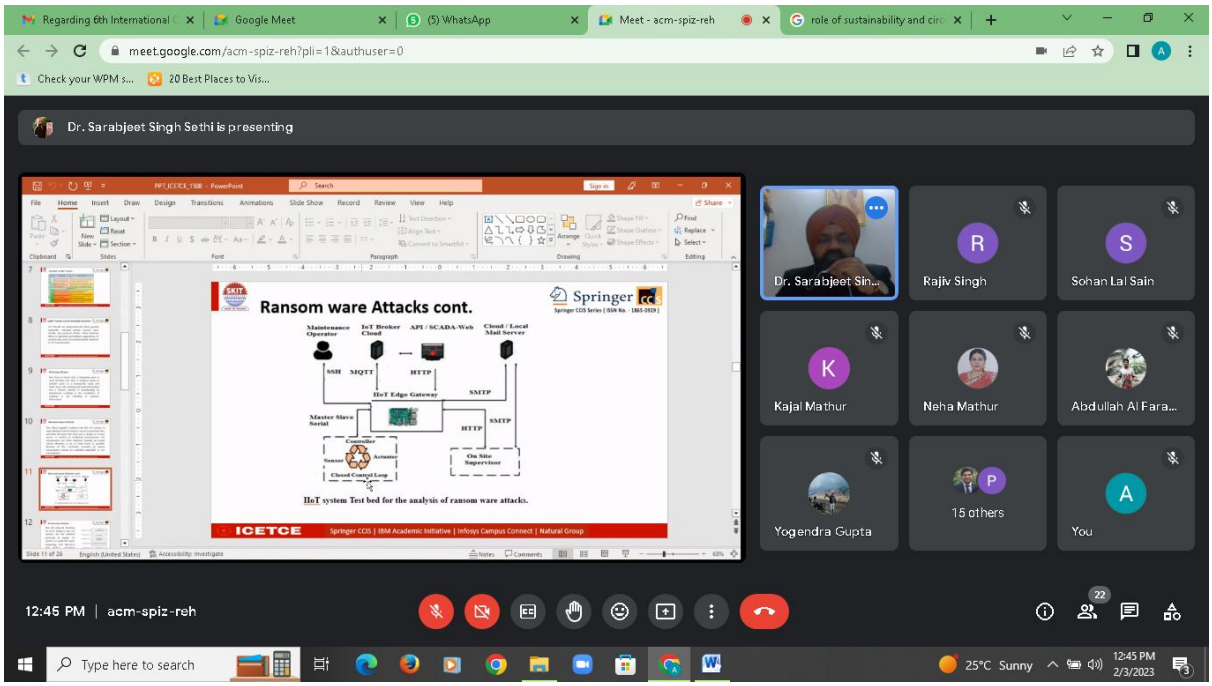


3. Paper ID: 1508

Title: A Review on the Investigation of Attacks on IIoT and their probable solutions

Author: Sarabjeet Singh Sethi

Presented By: Sarabjeet Singh Sethi



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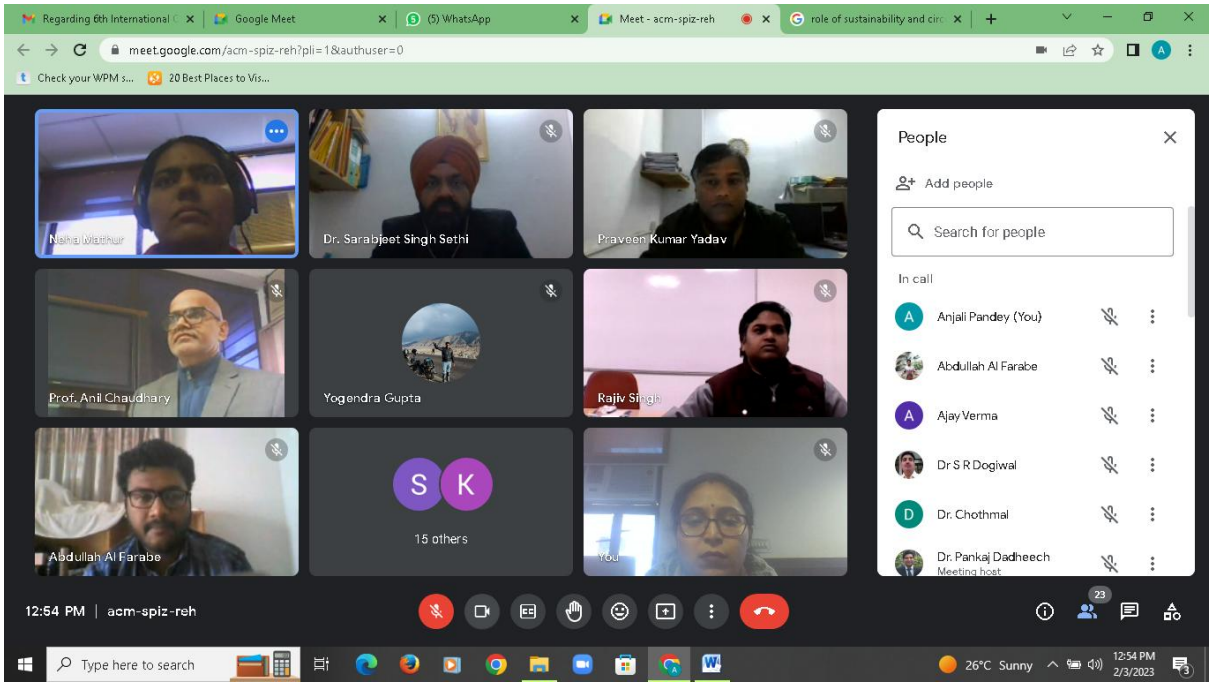


Best paper of the Track 1 was-

Paper ID: 2409
Title: An Intelligent Model for Early Fire Detection using IoT/Lora in Smart City
Author: Dr. Gayatri Sakya, Ankush Tomar, Ajit Singh Gangwar, and Arjun Kesharwani

Day 1-Track-2: Cyber Physical Systems

Keynote speaker: - Dr. Hari Prabhat Gupta Sir, Associate Professor, in the Department of Computer Science and Engineering, Indian Institute of Technology (BHU) Varanasi, INDIA.

Topic of Talk: An Energy efficient smart space system using LoRa Network with security constraint

Keynote Session Time: 10:30 am - 11:00 am

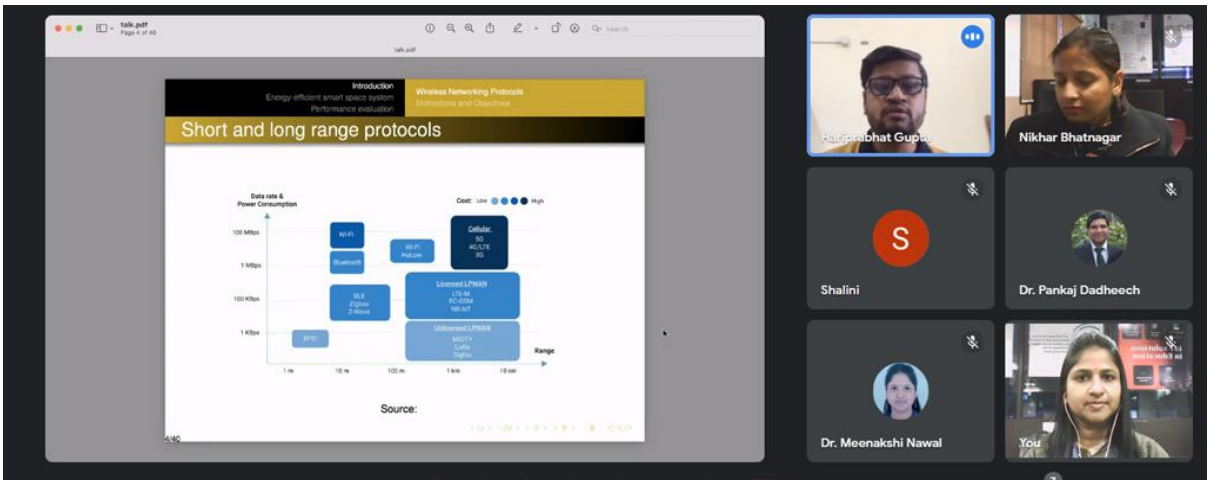
Link of the Session: - https://meet.google.com/maq-nnib-wbh

No. of Participant: - 30

Summary of the keynote session: -

- **Prof. Hari,** has talked about the different architectures for performance evaluation of efficient smart space systems like LoRaWAN .
- He has also discussed the devices used in architectures like Sensors,nodes,gateway etc.
- Sir has also explained wireless networking protocol resources.
- Sir has emphasized on the motivation and limitations of interference problem,data transmission problem ,Duty cycle problem

Screenshots of the Session:-



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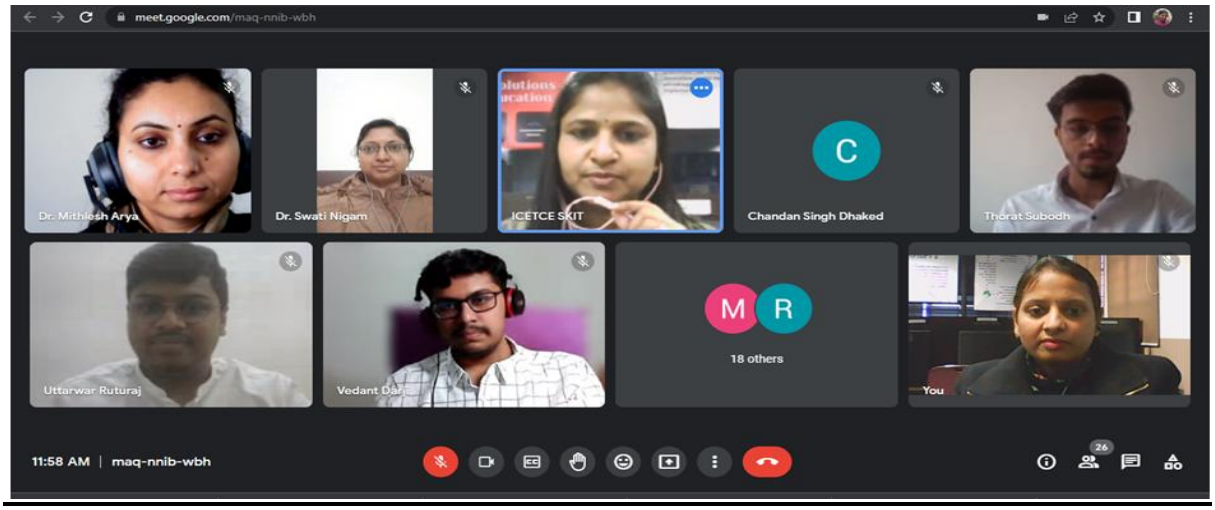


Technical Session Chair

1. **Dr. Mithlesh Arya**, Associate Professor, Poornima College of Engineering, Jaipur, Rajasthan, India
2. **Dr. Swati Nigam**, Assistant Professor, Department of Computer Science, Banasthali Vidyapith, Rajasthan, India

Session Coordinator's

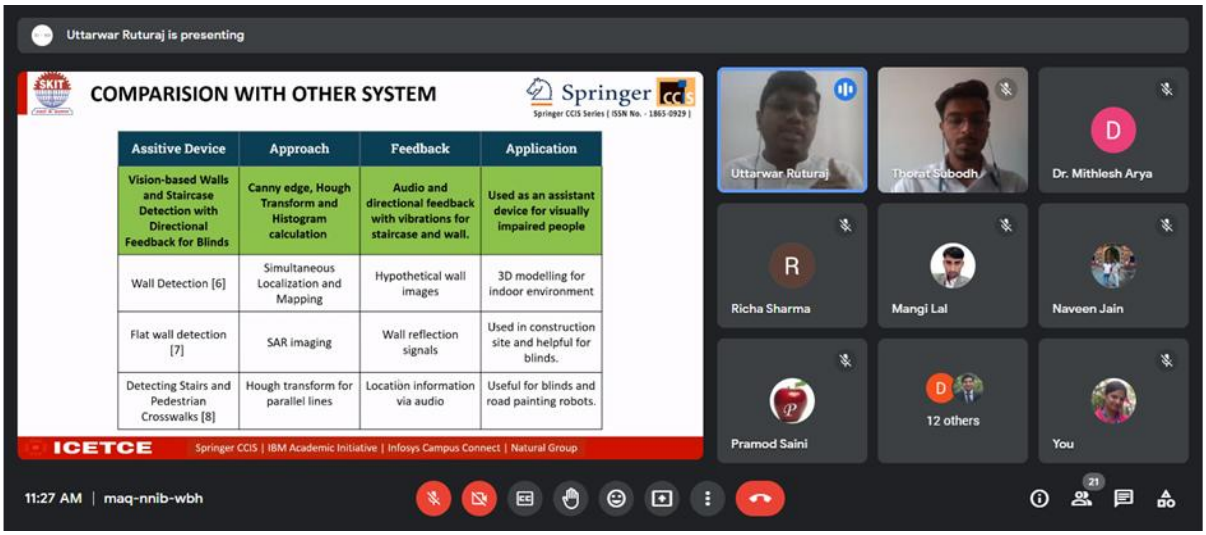
1. Dr. Meenakshi Naval
2. Ms. Nikhar Bhatnagar
3. Ms. Shalini Pathak

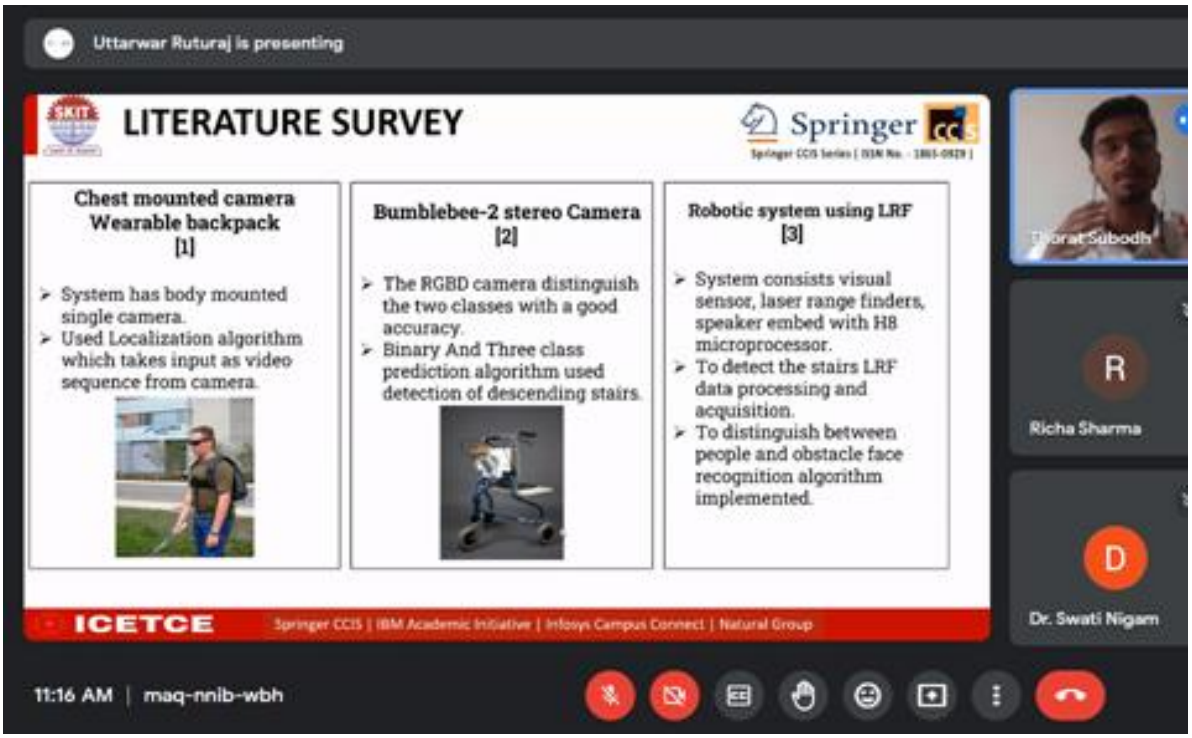
The following papers were presented during the session,

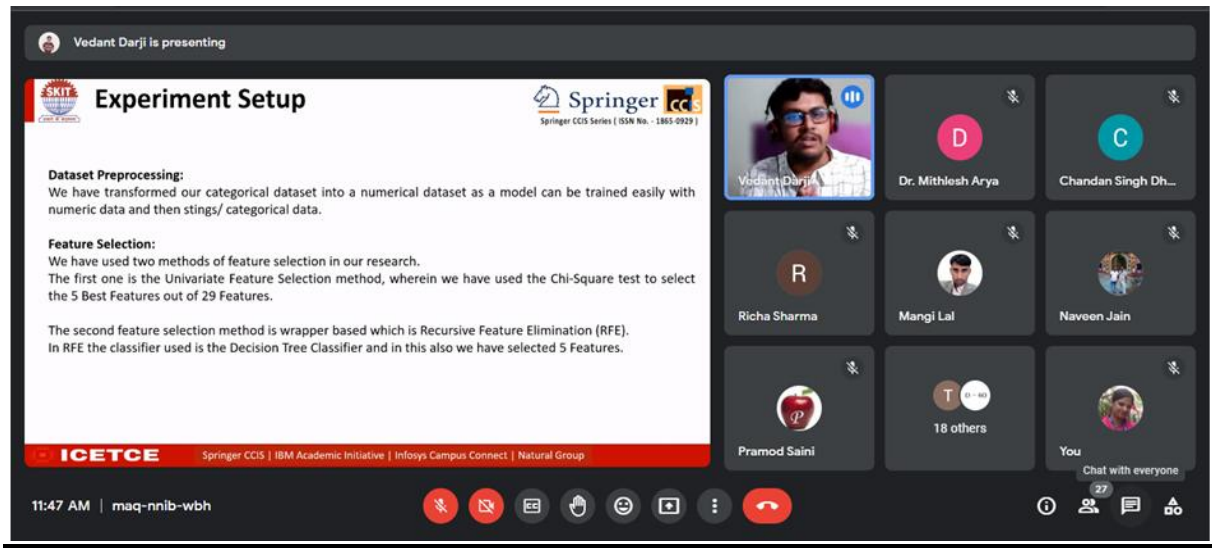
1. Paper ID: 6780
Title: Vision-based Walls and Staircase Detection with Directional Feedback for Blinds **Author:** Jyoti Madake, Ruturaj Uttarwar, Subodh Thorat, Shripad Bhatlawande and Swati Shilaskar

2. Paper ID: 4667
Title: Feature Selection and Machine Learning Algorithms for detection of Thyroid Disease
Author: Vedant Darji, Ruchit Kosambia, Dhaval Rana and Madhavi Desai

SCREENSHOTS OF THE PRESENTATIONS







Best paper of the Track 2:-

Paper ID: 4667
Title: Vision-based Walls and Staircase Detection with Directional Feedback for Blinds **Author:** Jyoti Madake, Ruturaj Uttarwar, Subodh Thorat, Shripad Bhatlawande and Swati Shilaskar

Day 1-Track-3: Machine learning and Application

Keynote Session

Track-3: Machine Learning and Application

Keynote speaker: - Dr. Sumit Srivastava, Professor, Manipal University Jaipur, and Senior Member IEEE Delhi Section

Topic of Talk: Study and Early Prediction of Neurodegenerative Disorder based on versatile data using Intelligent Learning

Keynote Session Time: 10:30 am - 11:00 am

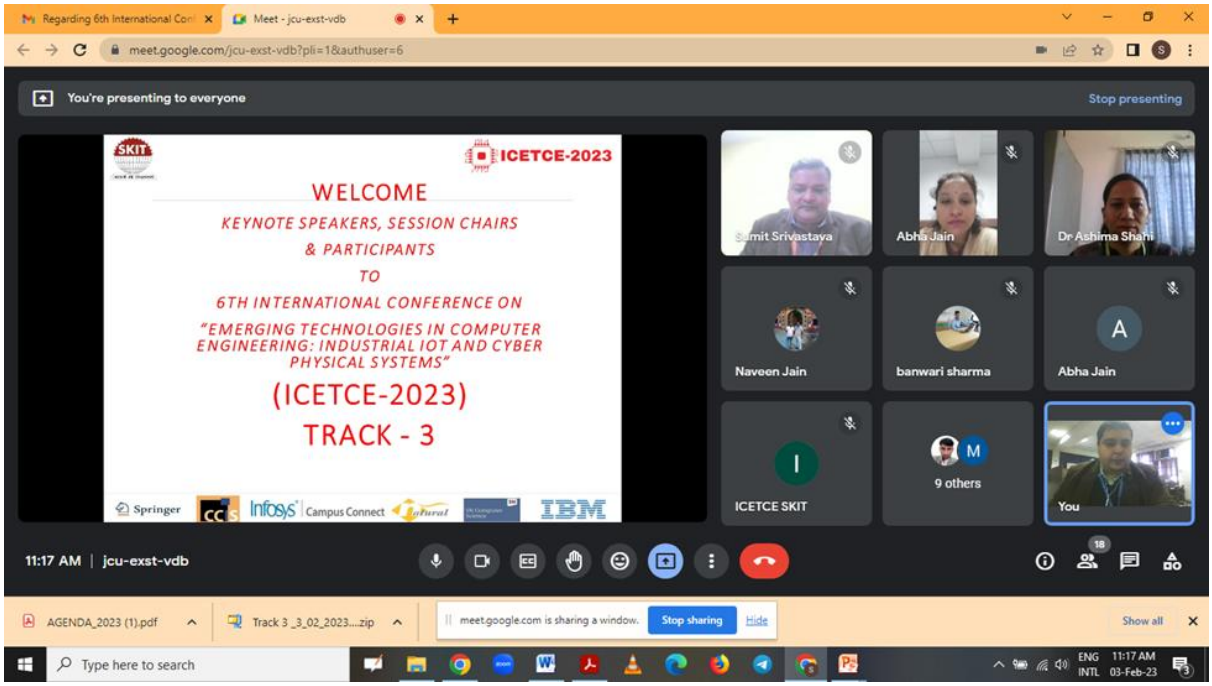
Link of the Session: - https://meet.google.com/jcu-exst-vdb?pli=1

No. of Participant: - 17

Summary of the keynote session:-

- Dr. Sumit, has deliver his keynote on early prediction on Neurodegenerative Disorder disease –Alzeimer's and Parkinson's diseases.As these are the famous neurological disorders disease that affect people in the world most.
- He intoduce his presentation with the details of both Alzimer's and parkninkson's disease ,According to him these are brain disorder which gradully destroy the ability like remember, imagine and learn also loose control on d\some body function.
- He also cover the symptoms of both disease with different brain image,and stages of alzimer's and parkinsons discease.
- He has suggested machine learning and Deep learning approaches, which have been applied to the study of neurodegenerative diseases and show promise in the areas of early diagnosis, prognosis and development of new therapies.
- This work will help society,students ,researcher and computational unts ,statistical observer,Research and development organization for further study and intervention.

Screen Shot of the Session:-



Technical Session Chair:

Technical Session Chair:

Dr. Digvijay Pandey, Senior Lecturer, Department of Technical Education, Kanpur, Uttar Pradesh, India.

Dr. Binay Kumar Pandey, Assistant Professor, Department of Information Technology, Govind Ballabh Pant University of Agriculture and Technology, Uttarakhand, India.

Dr. Ashima Shahi, Professor, Department of Computer Science & Engineering, Vivekananda Global University, Jaipur**.**

Session Coordinator's

Session Coordinator's: Mr. Shirish Nagar, Ms. Rubal Deep Gill, Ms. Abha Jain

The following papers were presented during the session,

1. Paper ID: ICETCE-894

Title: Hybrid SVM-HHO model is a successive tool for flood prediction: A case study

Author: Deba Prakash Satapathy, S K Lal Mohiddin, Debi Prasad Panda, Chitaranjan Dalai, Sandeep Samantaray, Abinash Sahoo and Nihar R Mohanta

2. Paper ID: ICETCE-936

Title: ScruA Comparison of Machine Learning Methods for the Diagnosis of Breast Cancer cells

Author: Sunita Gupta, Praveen Yadav, Neha Janu
and Meenakshi Nawa

3. Paper ID: ICETCE-1156

Title: Multicollinearity Detection for Variable Reduction in Multiple Linear Regression

Author: Sourabh Sahu, Siddharth Bhalerao,
Saurabh Tewari and Vivek Anand

4. Paper ID: ICETCE-4221

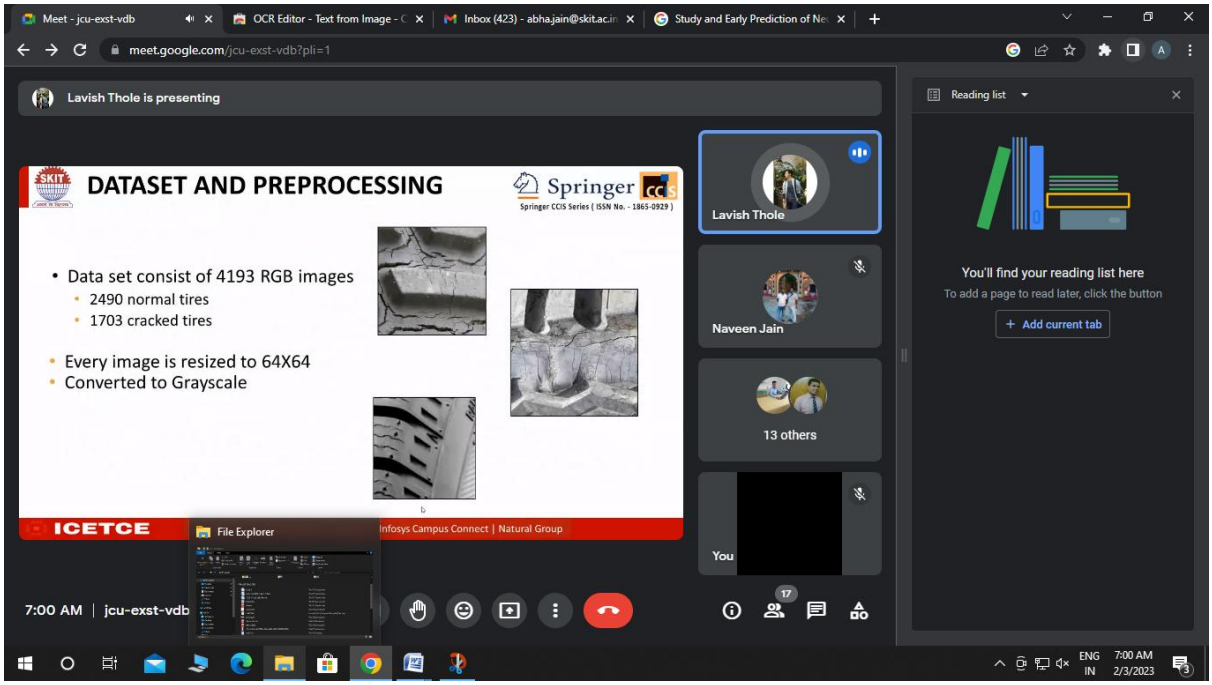
Title: Support Vector Machine Kernel Selection for Heart Disease Prediction

Author: Ajil D S Vins and W R Sam Emmanuel

5. Paper ID: ICETCE-4608
Title: Supervised Deep learning Optimization Approach for the Small Vehicular Adhoc Objects
Author: Md Ezaz Ahmed

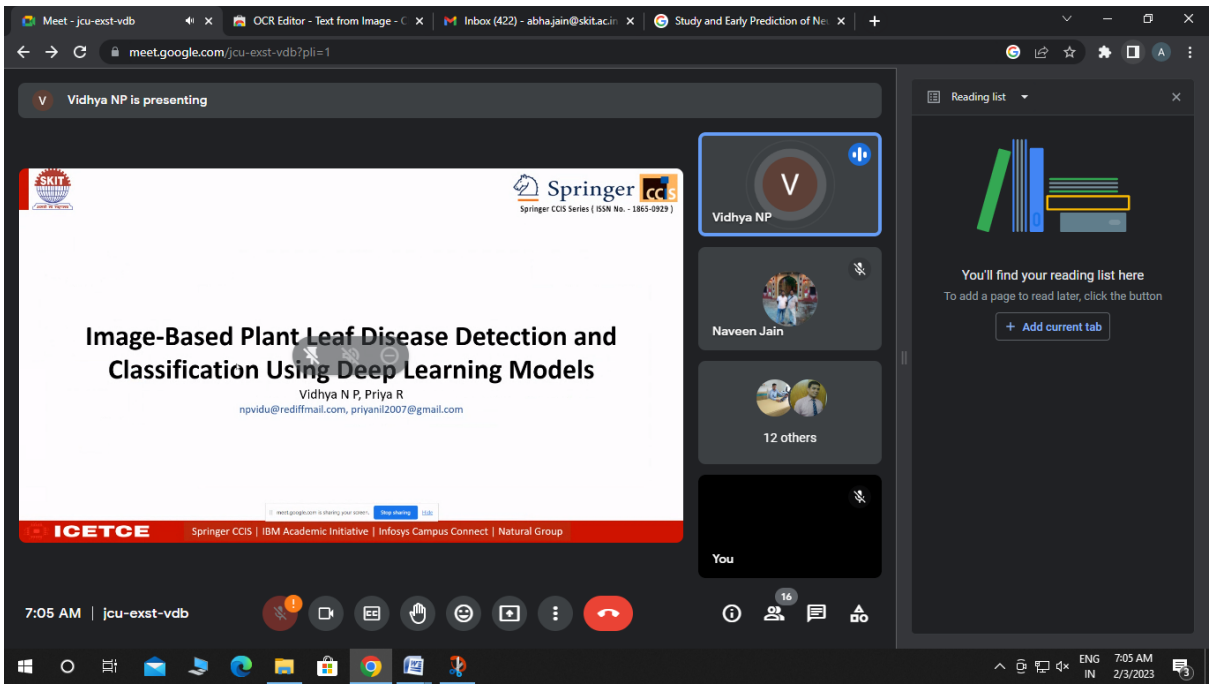
6. Paper ID: ICETCE-9059
Title: Tire wear-out detection with features from BRIEF plus FAST and Decision Tree Classifier
Author: Jyoti Madake, Lavish Thole, Shashank, Sonar, Shripad Bhatlawande and Swati

Shilaskar



7. Paper ID: ICETCE-6521

Title: Image-Based Plant Leaf Disease Detection and Classification Using Deep Learning Models
Author: N P Vidhya and R Priya



Best paper of the Track 3:-

Title: Image-Based Plant Leaf Disease Detection and Classification Using Deep Learning Models

Author: N P Vidhya and R Priya

Day 2-Track-4: Cognitive Computing, Soft Computing

Keynote Session

Track-4: Cognitive Computing, Soft Computing

Keynote speaker - Prof. (Dr.) Arun K. Somani, Associate Dean for Research, College of Engineering, Iowa State University, Ames, USA.

Topic of Talk: Hardware-aware Neural Architecture Search (HW-NAS)

Keynote Session Time: 09:00 am - 09:30 am

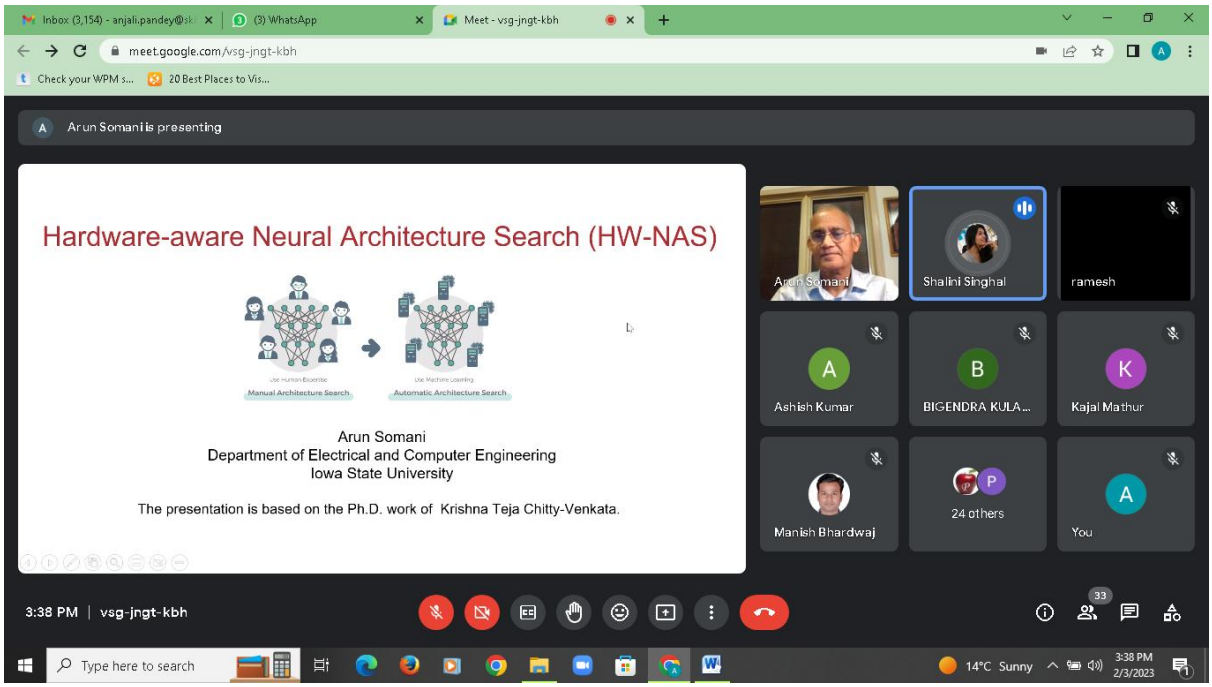
Link of the Session: - https://meet.google.com/vsg-jngt-kbh

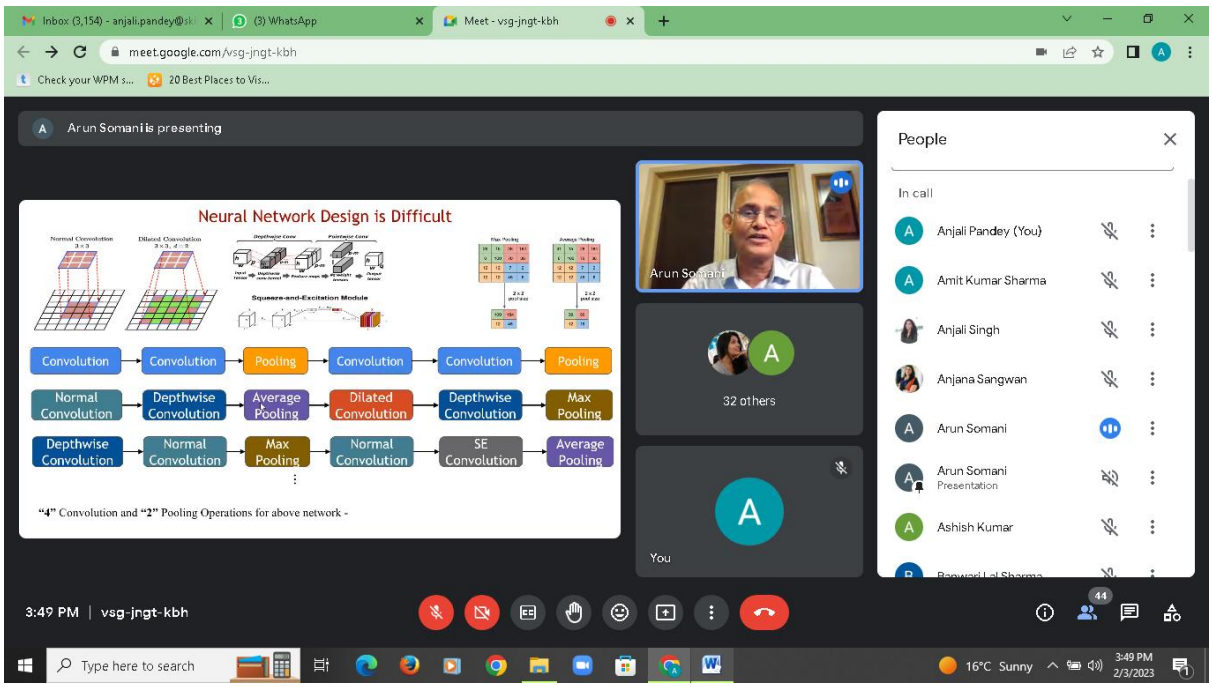
No. of Participant:-50

Summary of the keynote session:-

- Prof Somani, has talked about the Hardware-aware Neural Architecture Search.
- He has talked about convolutions operations, manually designed neural networks and designing of neural networks.
- He has talked about pruning & its methods, quantization.
- He has talked about hardwares can be used for deep learning.
- He has emphasized on the neural architecture search – Reinforcement based, evolutionary, DARTS.

Screen Shot of the Session:-




Arun Somani is presenting
Neural Network Design is Difficult
Convolution
Convolution
Pooling
Convolution
Convolution
Pooling
Normal Convolution
Depthwise Convolution
Average Pooling
Dilated Convolution
Depthwise Convolution
Max Pooling
Depthwise Convolution
Normal Convolution
Max Pooling
Normal Convolution
SE Convolution
Average Pooling
"4" Convolution and "2" Pooling Operations for above network -
Arun Somani
32 others
You
People
In call
Anjali Pandey (You)
Amit Kumar Sharma
Anjali Singh
Anjana Sangwan
Arun Somani
Arun Somani Presentation
Ashish Kumar
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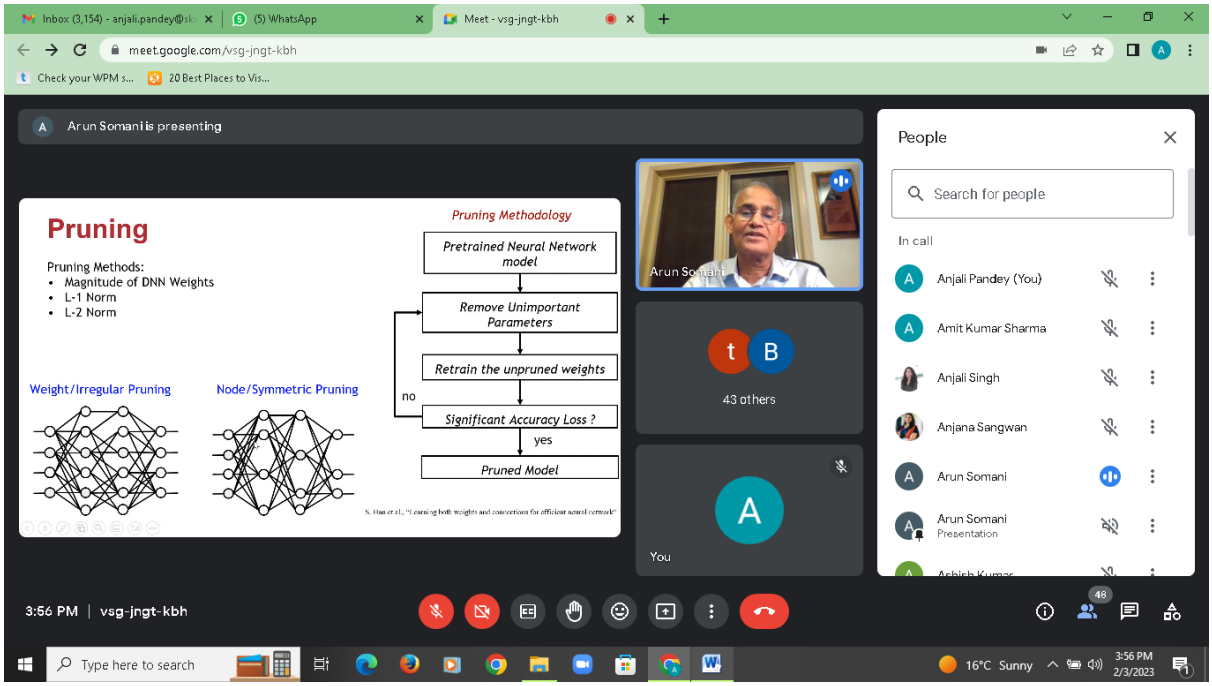
Arun Somani is presenting
Pruning
Pruning Methods:
• Magnitude of DNN Weights
• L-1 Norm
• L-2 Norm
Weight/Irregular Pruning
Node/Symmetric Pruning
Pruning Methodology
Pretrained Neural Network model
Remove Unimportant Parameters
Retrain the unpruned weights
Significant Accuracy Loss ?
no
yes
Pruned Model
Arun Somani
43 others
You
People
Search for people
In call
Anjali Pandey (You)
Amit Kumar Sharma
Anjali Singh
Anjana Sangwan
Arun Somani
Arun Somani Presentation
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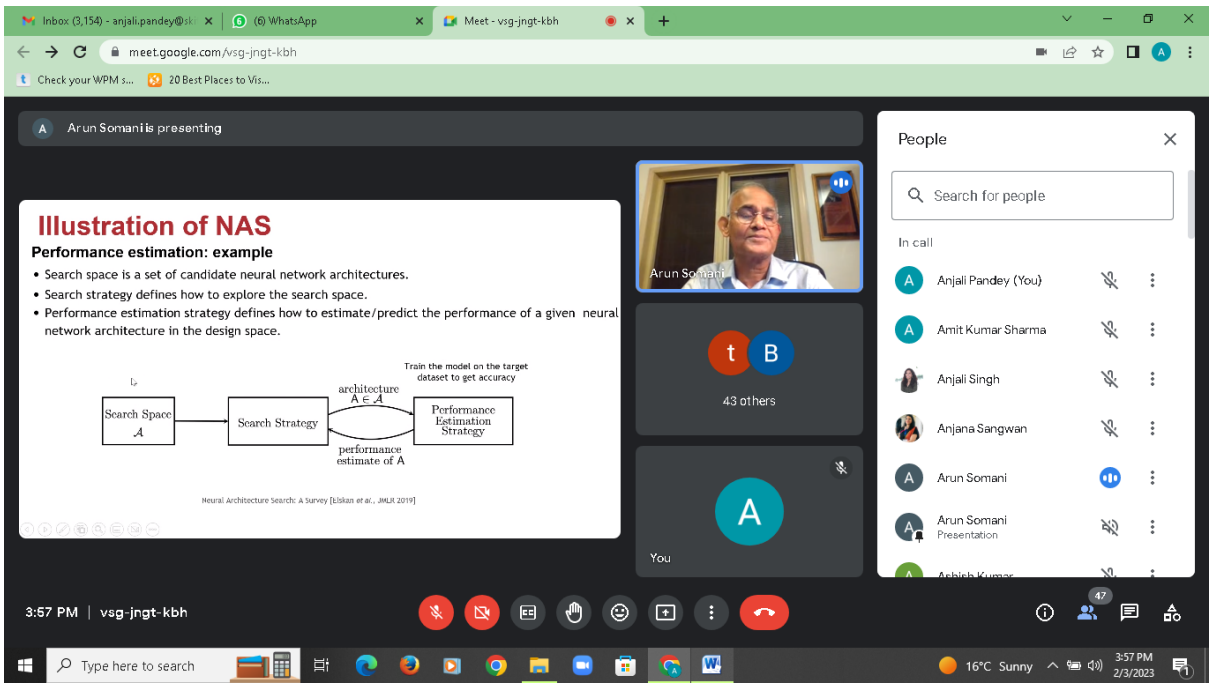
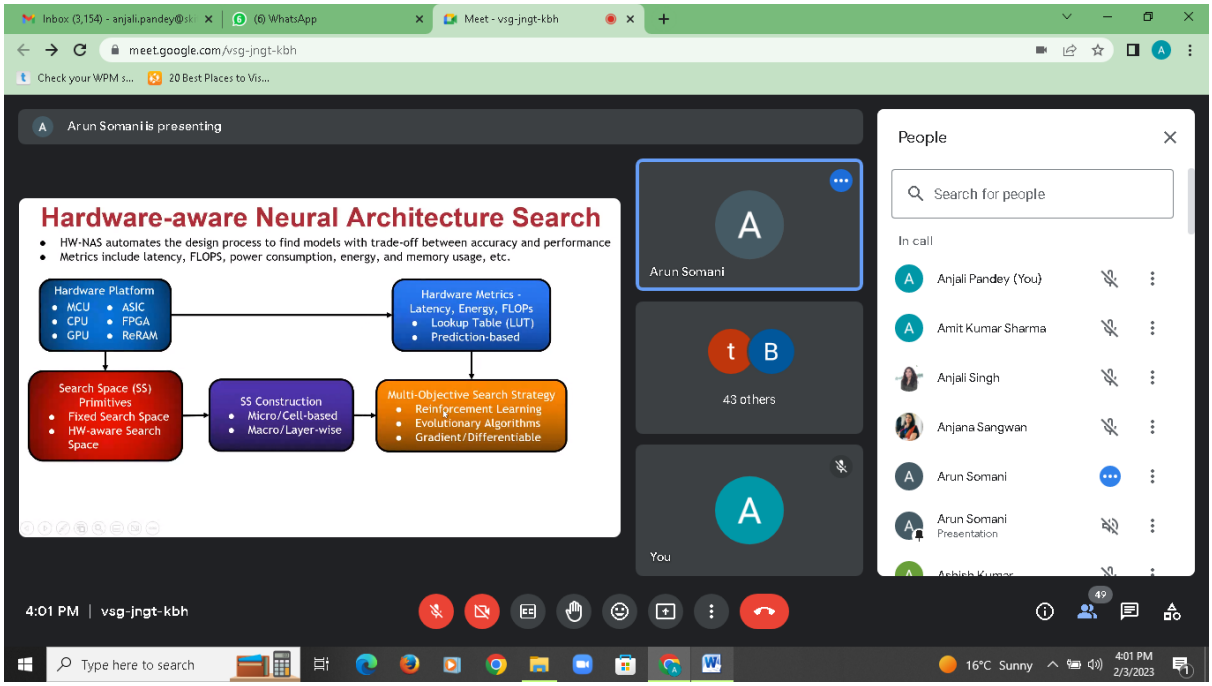

Arun Somani is presenting
Illustration of NAS
Performance estimation: example
• Search space is a set of candidate neural network architectures.
• Search strategy defines how to explore the search space.
• Performance estimation strategy defines how to estimate/predict the performance of a given neural network architecture in the design space.
Search Space
Search Strategy
Performance Estimation Strategy
architecture
Train the model on the target dataset to get accuracy
performance estimate of A
Neural Architecture Search: A Survey [Elsken et al., JMLR 2019]
Arun Somani
43 others
You
People
Search for people
In call
Anjali Pandey (You)
Amit Kumar Sharma
Anjali Singh
Anjana Sangwan
Arun Somani
Arun Somani Presentation
3:57 PM | vsg-jngt-kbh


Arun Somani is presenting
Hardware-aware Neural Architecture Search
• HW-NAS automates the design process to find models with trade-off between accuracy and performance
• Metrics include latency, FLOPS, power consumption, energy, and memory usage, etc.
Hardware Platform
MCU ASIC
CPU FPGA
GPU ReRAM
Hardware Metrics - Latency, Energy, FLOPs
Lookup Table (LUT)
Prediction-based
Search Space (SS) Primitives
Fixed Search Space
HW-aware Search Space
SS Construction
Micro/Cell-based
Macro/Layer-wise
Multi-Objective Search Strategy
Reinforcement Learning
Evolutionary Algorithms
Gradient/Differentiable
Arun Somani
43 others
You
People
Search for people
In call
Anjali Pandey (You)
Amit Kumar Sharma
Anjali Singh
Anjana Sangwan
Arun Somani
Arun Somani Presentation
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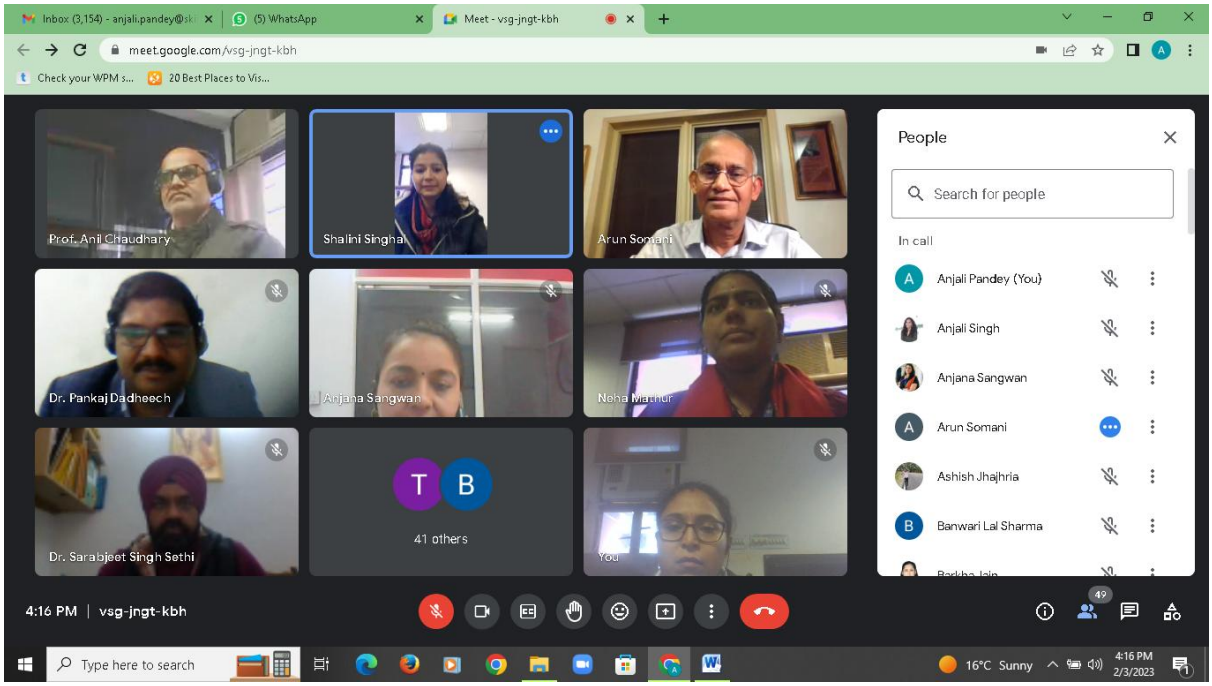
GROUP PHOTOGRAPH



Technical Session Chair:

1. Dr. Bright Keswani, Professor & Principal, Academic Staff College, Suresh Gyan Vihar University, Jaipur

2. Dr. Manju Kaushik, Associate Professor, Amity Institute of Information Technology (AIIT), Amity University, Rajasthan.

3. Dr. Vitthal Sadashiv Gutte, Asst. Professor in School of Computer Engineering & Technology, MIT World Peace University, Pune, Maharashtra.

Session Coordinator's:

1. Ms. Shalini Singhal
2. Ms. Neha Mathur
3. Mr. Anjali Pandey

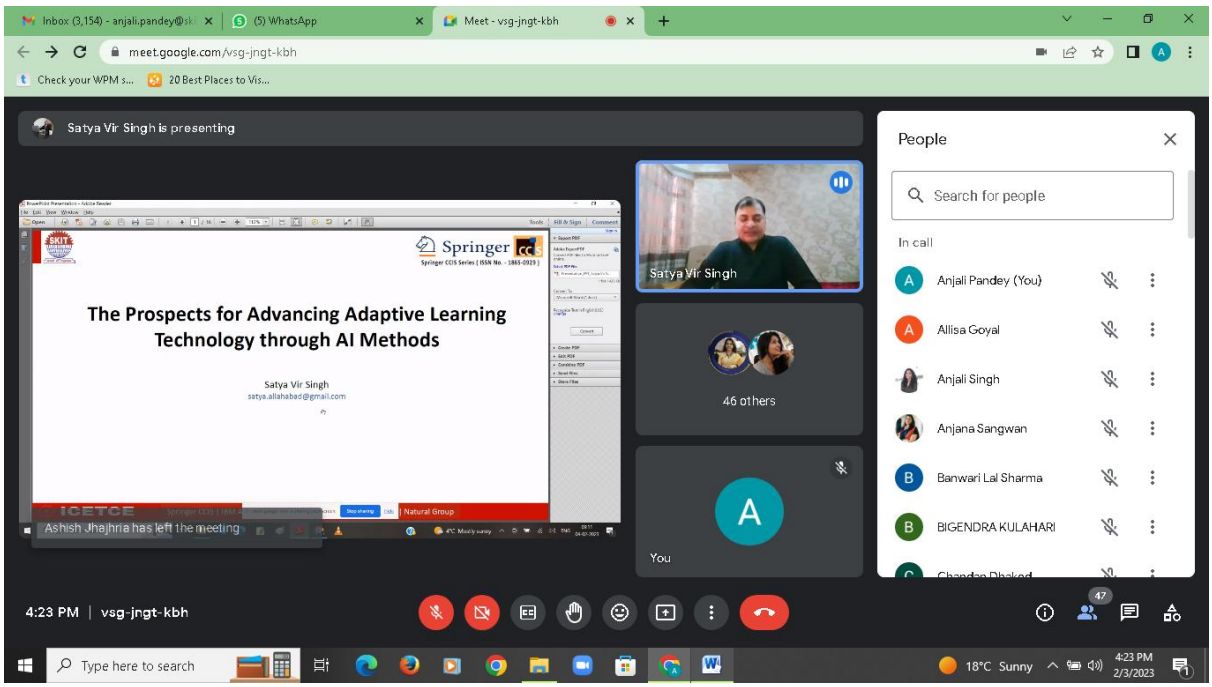
The following papers were presented during the session,

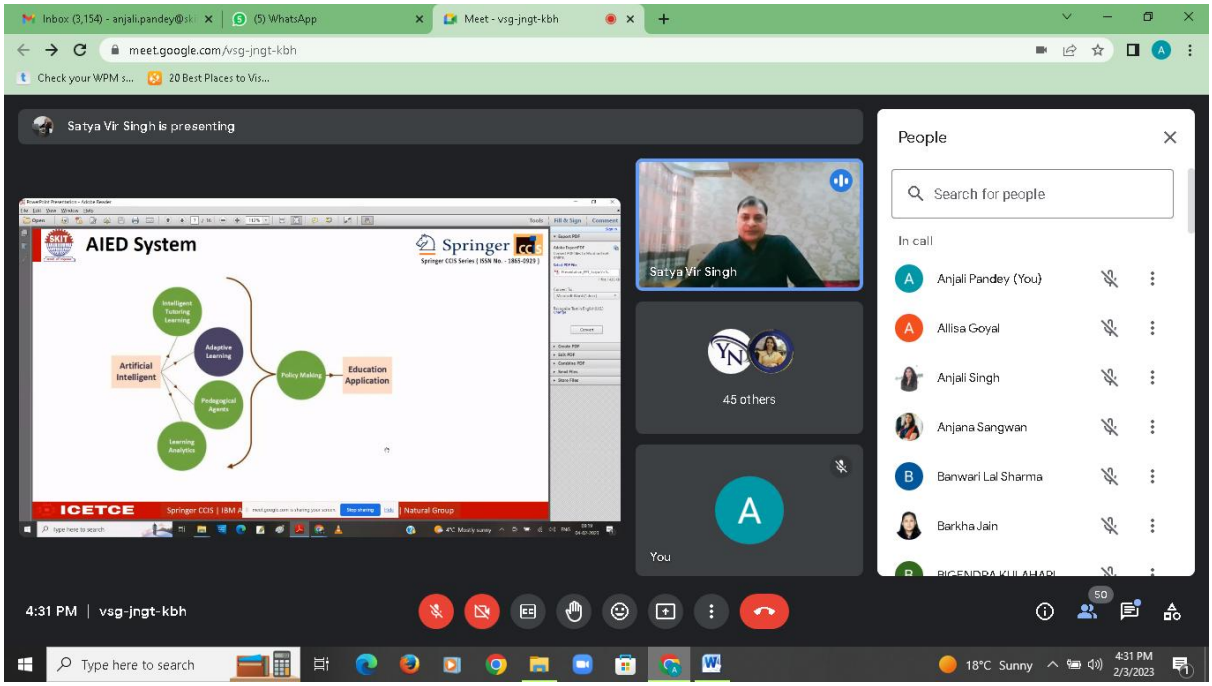
1. Paper ID: 352

Title: The Prospects of Advancing Adaptive Learning Technology through AI Methods

Author: Satya Vir Singh

Presented By: Satya Vir Singh



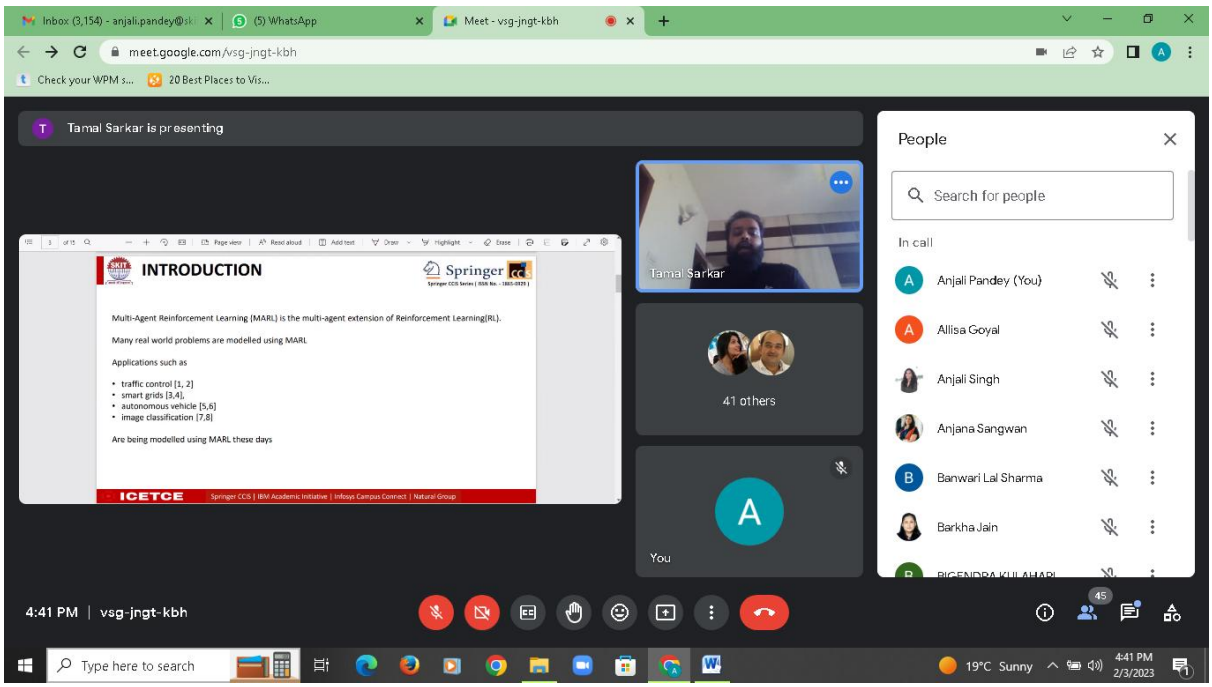


2. Paper ID: 1490

Title: A Delayed Median Q-value approach to the Multi-Agent Parallel-Critic Network Architecture for Cooperative-Competitive Reinforcement Learning

Author: Tamal Sarkar and Shobhanjana Kalita

Presented By: Tamal Sarkar

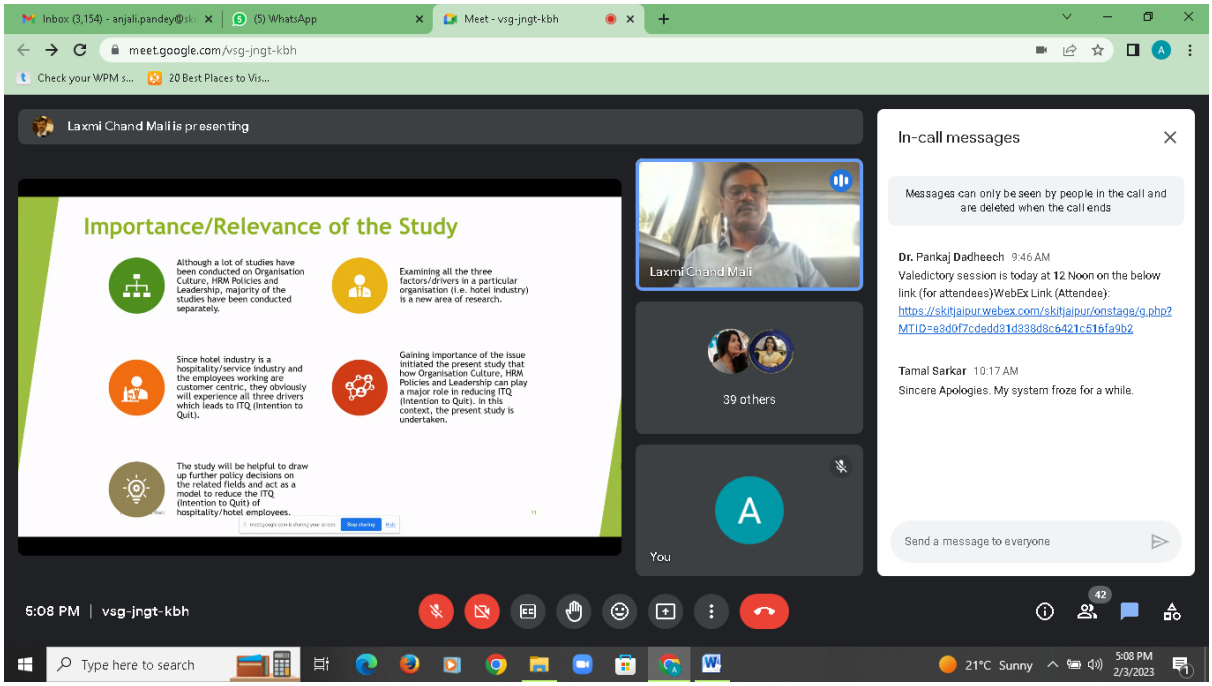


3. Paper ID: 6113

Title: Conceptual Framework for the Intention to Quit (ITQ) in Hospitality Industry

Author: Laxmi Chand Mali, Dr. Shweta Lalwani, Dr. Kamal Kant Hiran, and Dr. Manish Dadhich

Presented By: Laxmi Chand Mali

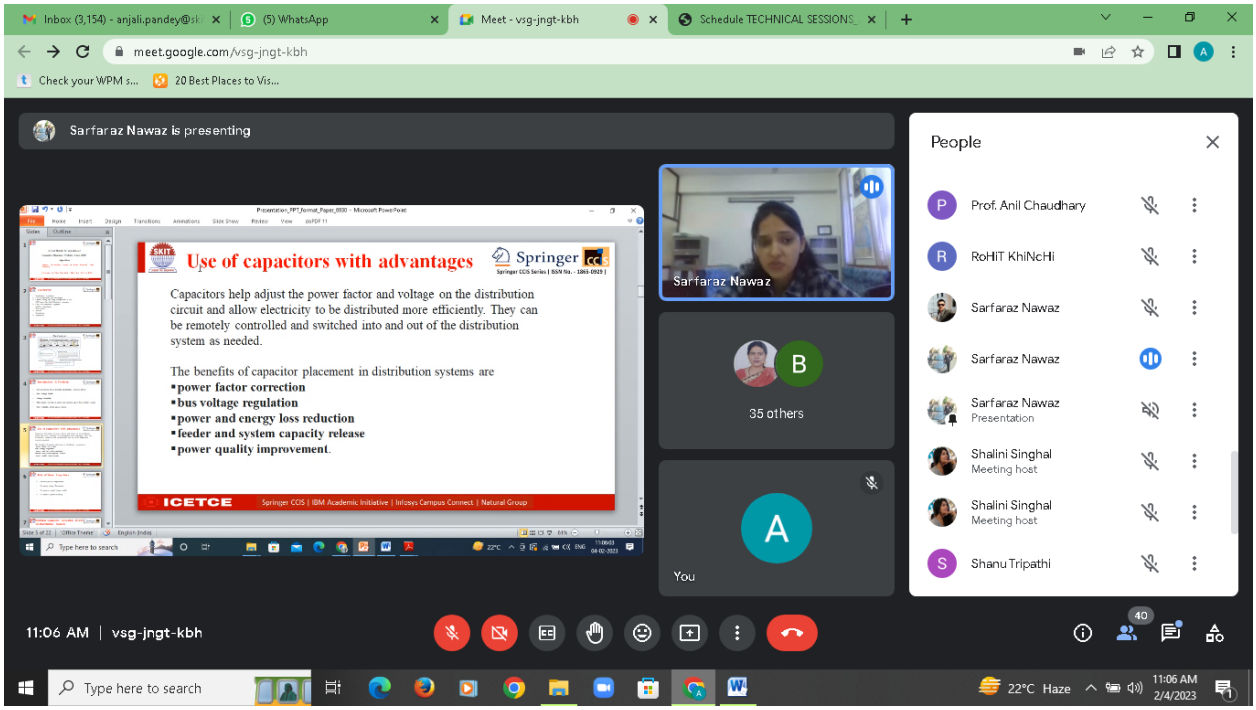


4. Paper ID: 6930

Title: A Cost- Benefit Investigation of Capacitor Placement Problem Using Grey Wolf Optimizer Algorithm

Author: Dr. Sarfaraz Nawaz, Dr. Mehul Mahrishi, Ekta Bhardwaj

Presented By: Ekta Bhardwaj

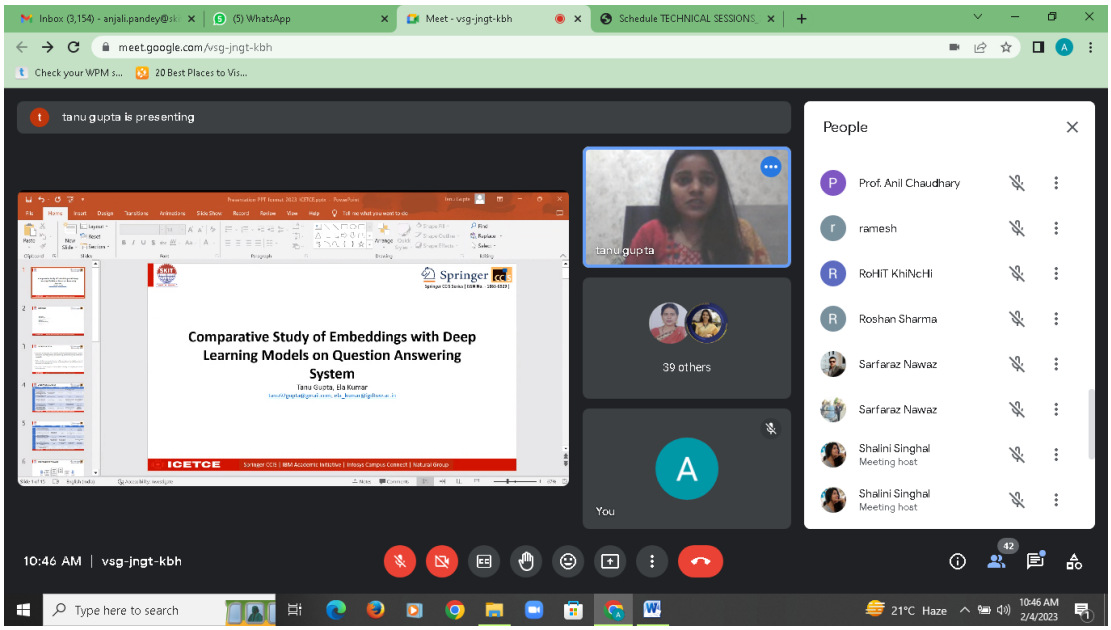


5. Paper ID: 7182

Title: Comparative Study of Embeddings with Deep Learning Models on Question Answering System

Author: Tanu Gupta, and Ela Kumar

Presented By: : Tanu Gupta



Best paper of the Track 4:-

Paper ID: 1490

Title: A Delayed Median Q-value approach to the Multi-Agent Parallel-Critic Network Architecture for Cooperative-Competitive Reinforcement Learning

Author: Tamal Sarkar and Shobhanjana Kalita

Day 2-Track-5: Data Science & Big Data Analytics
Keynote Session

Keynote speaker: - Dr. Priyadarsi Nanda Director, Cybersecurity Program School of Electrical and Data Engineering.
Faculty of Engineering and IT, University of Technology Sydney (UTS), Australia

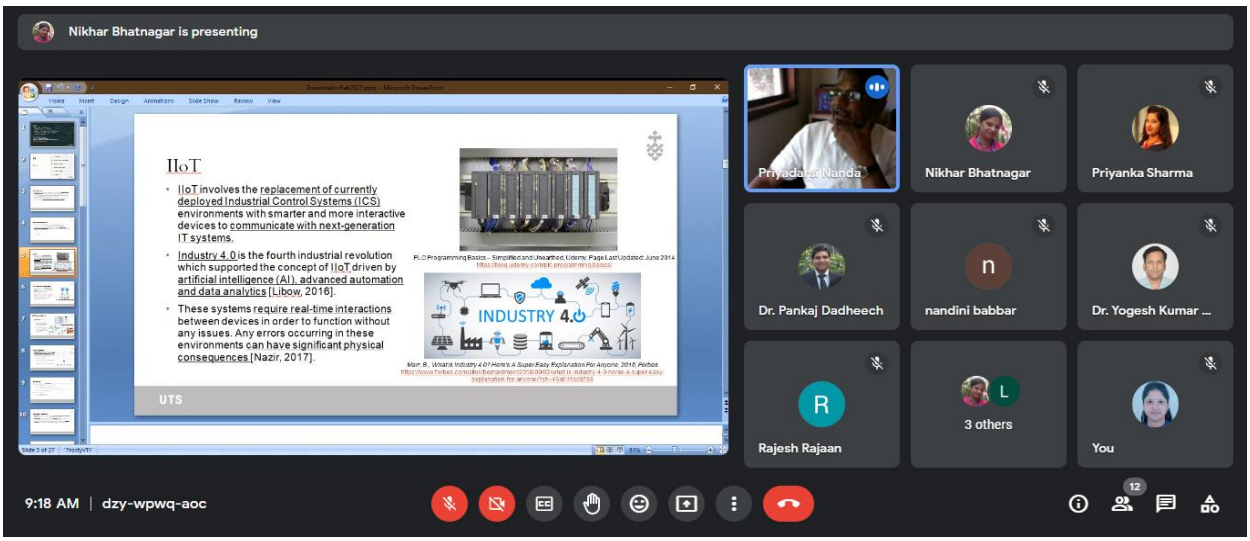
Topic of Talk: Deployment of critical Infrastructures in industrial internet Of things (IIOT) using fog computing and zero-trust model

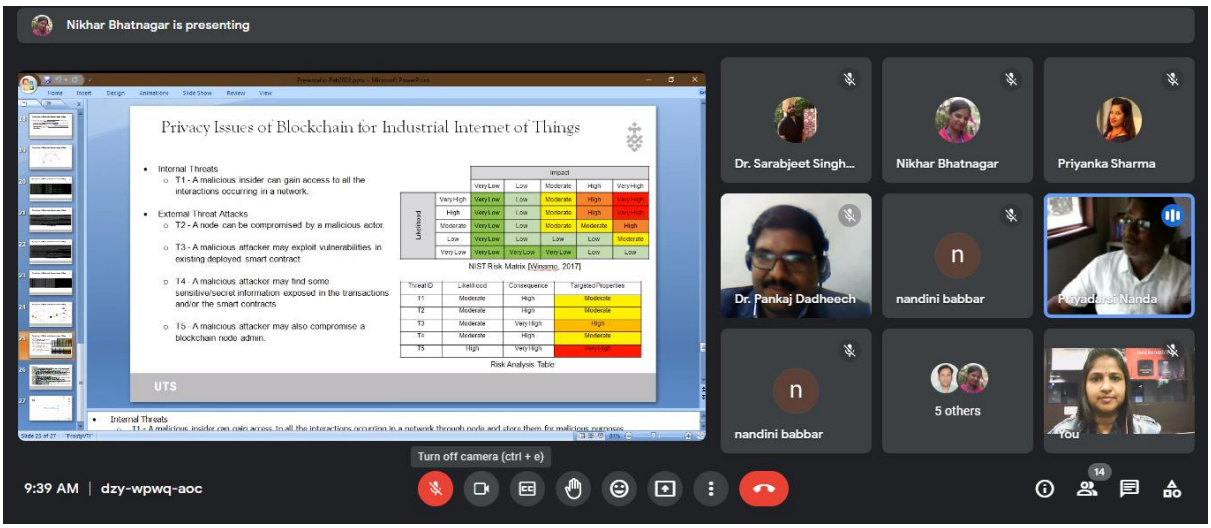
Keynote Session Time: 10:30 am - 11:00 am
Link of the Session:- https://meet.google.com/dzy-wpwq-aoc
No. of Participant:- 40

Summary of the keynote session:-

- Prof Nanda, mainly explores the following three modern different technology paradigms Fog computing, Blockchain and Zero-Trust model.
- He has talked about the different Privacy Issues of Blockchain for Industrial Internet of Things.
- He has also discussed the Zero-Trust Framework.
- He also shown the Blockchain operations on node N3 terminal.

Screenshots of the Session:-





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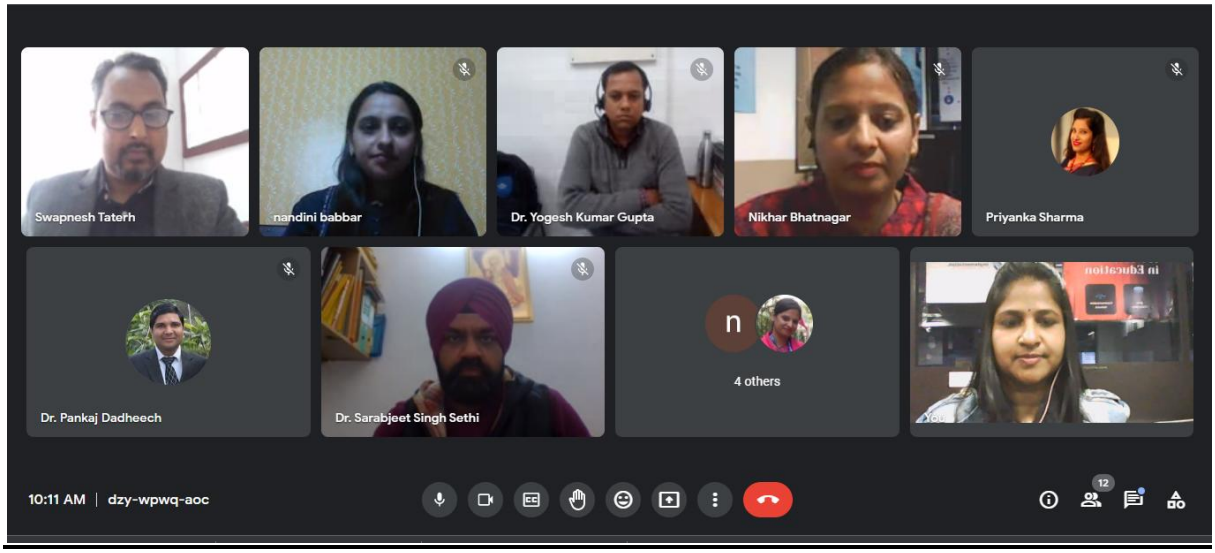


Technical Session Chair:

1. Prof. (Dr). Swapnesh Taterh, Professor & Head, Amity Institute of Information Technology – AIIT, Amity University Rajasthan.

2. Dr. Yogesh Kumar Gupta, Assistant Professor, Department of Computer Science, Banasthali Vidyapith, Newai (Rajasthan).

Session Coordinator's:

1. Dr. Meenakshi Naval
2. Ms. Nikhar Bhatnagar
3. Ms. Shalini Pathak

The following papers were presented during the session,

1. Paper ID: 849

Title: Chrominance based Skin Color Identification and Segmentation using YCbCr Color Model and a
Simple Threshold Approach

Author: Ganesan P and Sathish B S

2. Paper ID: 712

Title: Terrorist Activity Story Chain Generation from Global Terrorism Database and Wikipedia

Author: Saurabh Ranjan Srivastava, Yogesh Kumar Meena and Girdhari Singh

3. Paper ID: 9440

Title: Forecasting wheat yield using Sequential and Deep Convolutional Neural Network

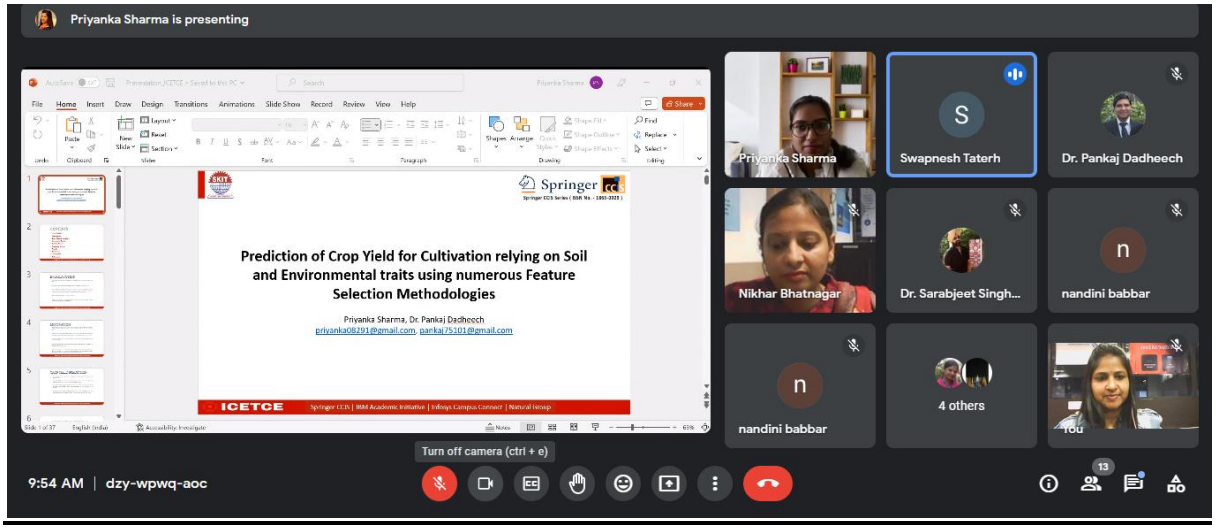
Author: Nandini Babbar, Dr. Ashish Kumar and Dr. Vivek Kumar Verma

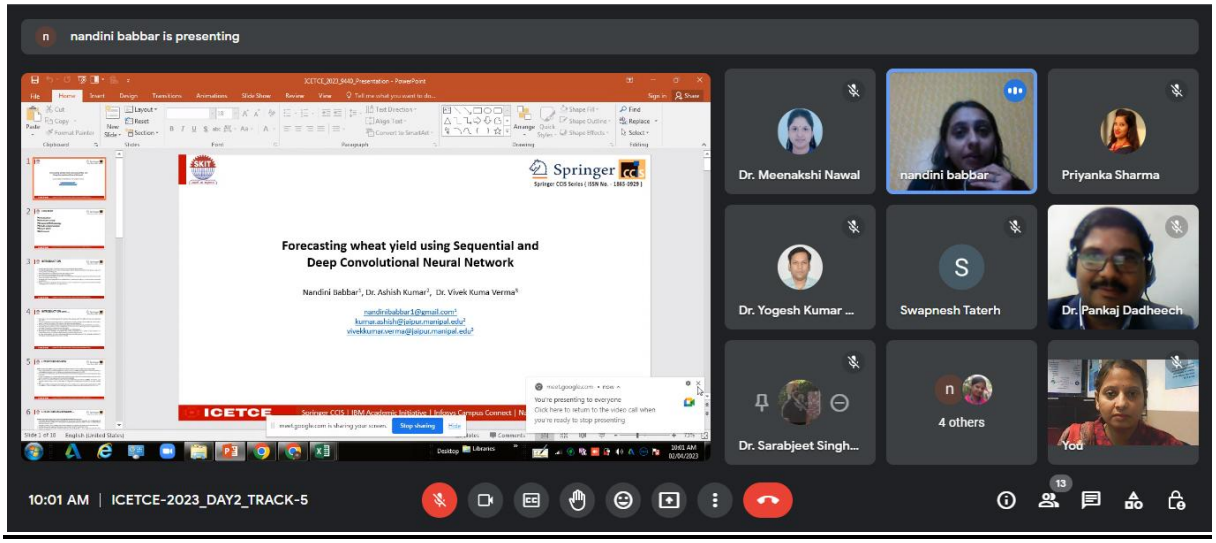
4. Paper ID: 6495

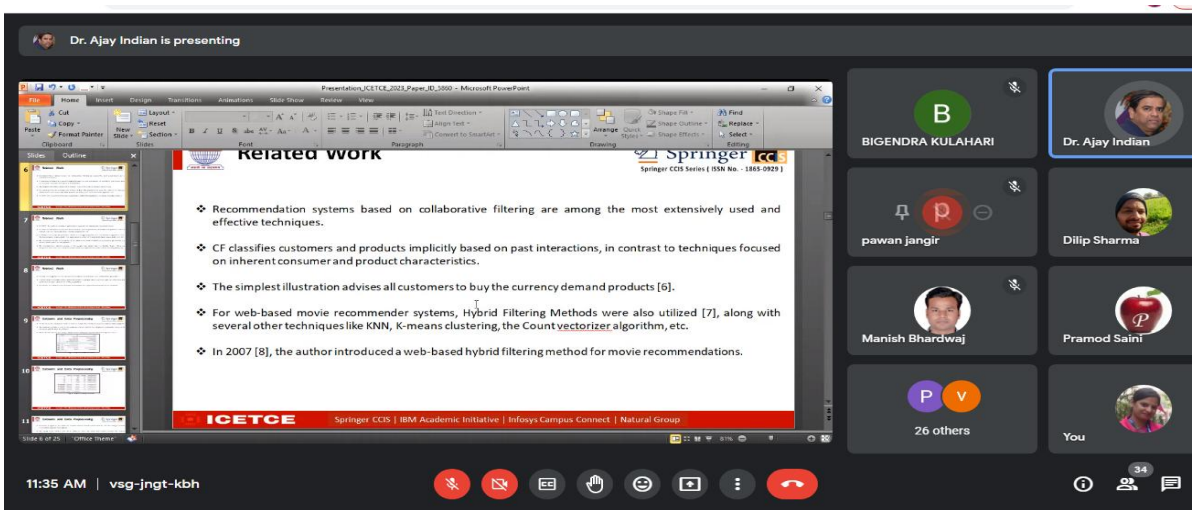
Title: Prediction of Crop Yield for Cultivation relying on Soil and Environmental traits using numerous
Feature Selection Methodologies.

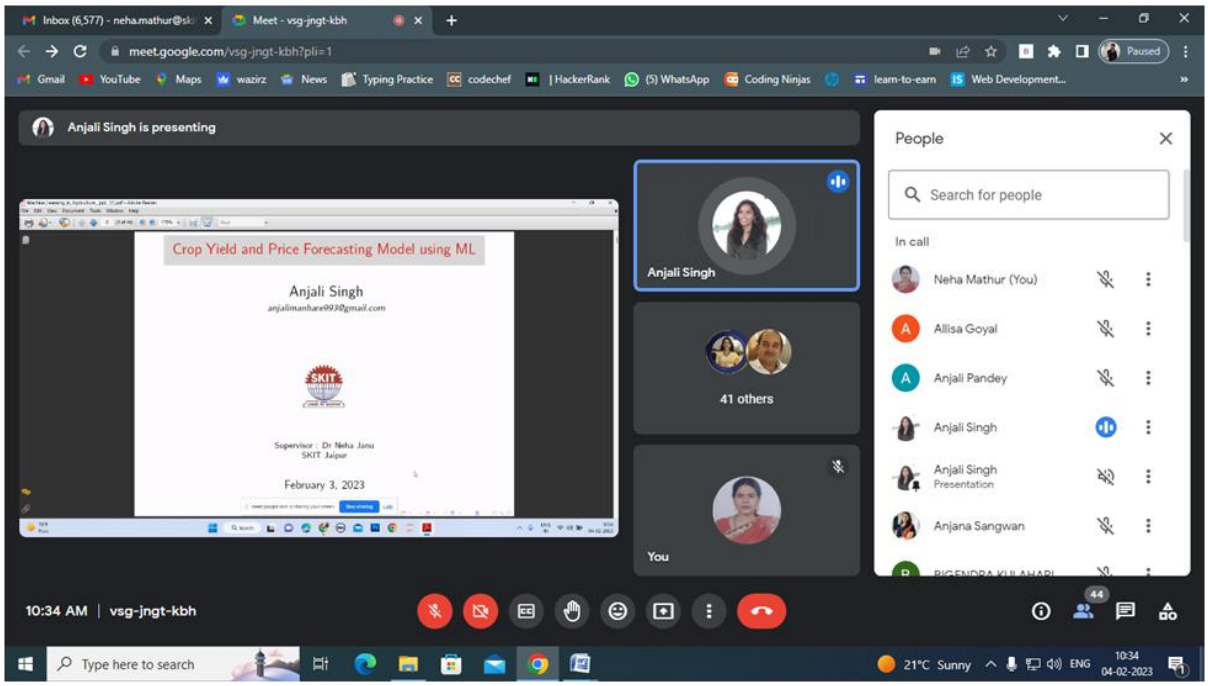
Author: Priyanka Sharma and Dr. Pankaj Dadheech

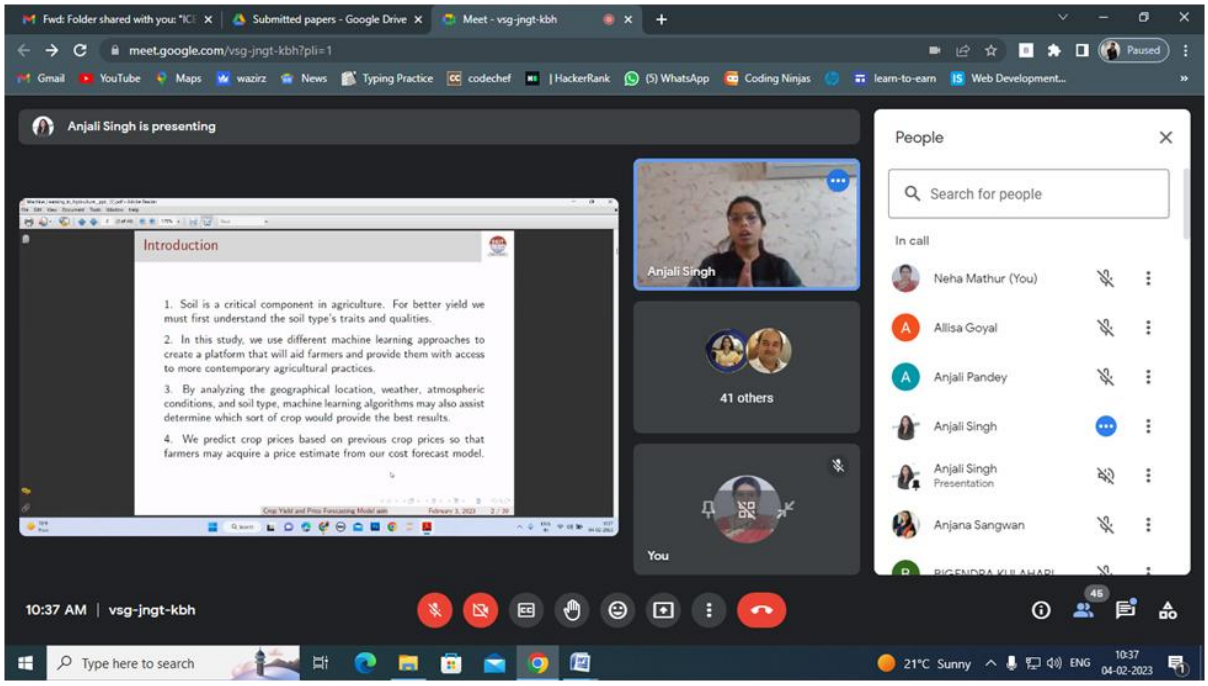
SCREENSHOTS OF THE PRESENTATIONS











Best paper of the Track 5 was-

Paper ID: 6495

Title: Prediction of Crop Yield for Cultivation relying on Soil and Environmental traits using numerous Feature Selection Methodologies.

Author: Priyanka Sharma and Dr. Pankaj Dadheech

Day 2-Track-6: Blockchain and Cyber Security
Keynote Session

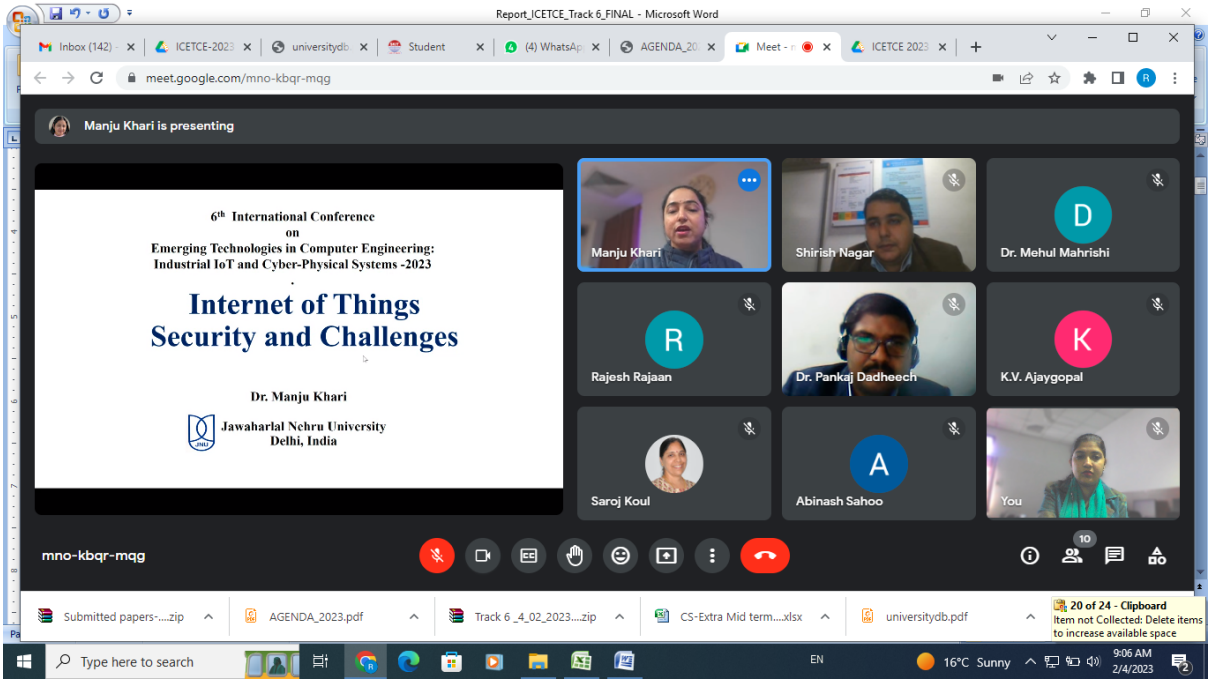
Keynote speaker: - Dr. Manju Khari, Associate Professor,
School of Computer and Systems Sciences, Jawaharlal Nehru University, Delhi, India

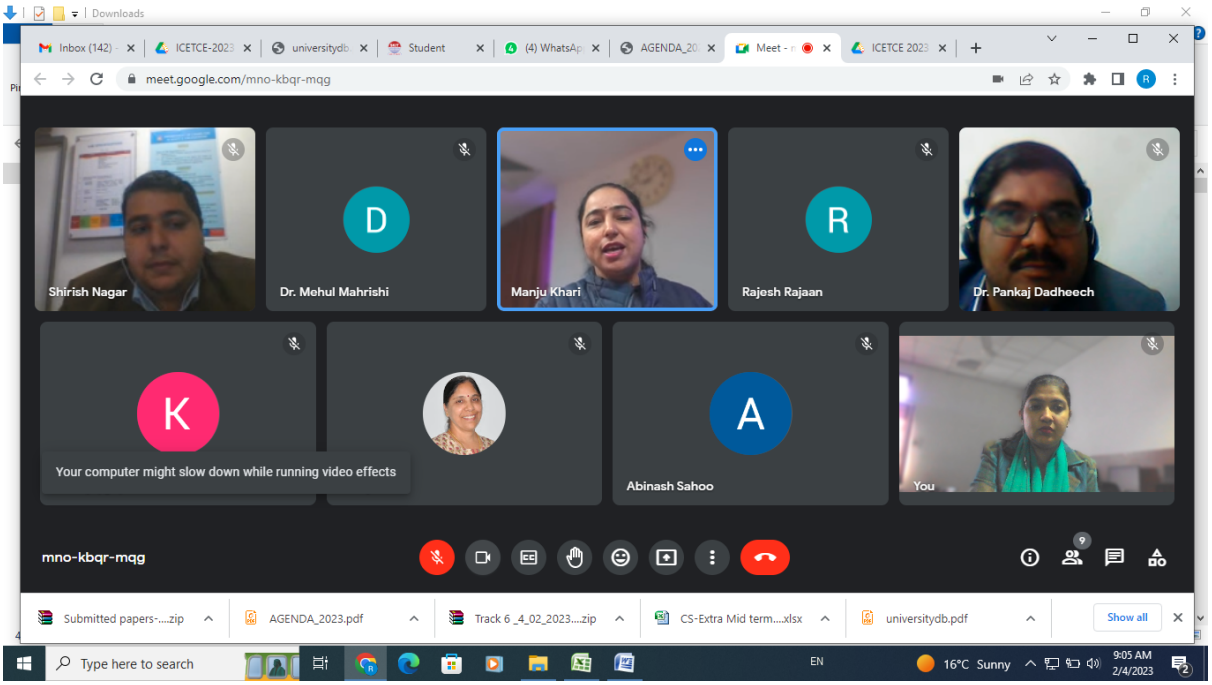
Topic of Talk: Internet of things security and challenges

Keynote Session Time: 9:00 am - 9:30 am
Link of the Session: - https://meet.google.com/mno-kbqr-mqg
No. of Participant: - 20
Summary of the keynote session: -

- Dr. Manju, has started with introduction of Internet of things, common element inIOT and characteristics of IOT.
- She has dicussed comparison between IOT and Web of things.
- She has talked about the challenges in IOT like to finf devices /route and how to control tehse devices etc.
- She has also discussed that how we can provide IOT security by avoiding deafault password, update firmware regularly etc.
- She has also talked about application of IOT like IOT in healthcare, IOT in smart environment.

Screen Shot of the Session:-

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Shirish Nagar
Dr. Mehul Mahrishi
Manju Khari
Rajesh Rajaan
Dr. Pankaj Dadheech
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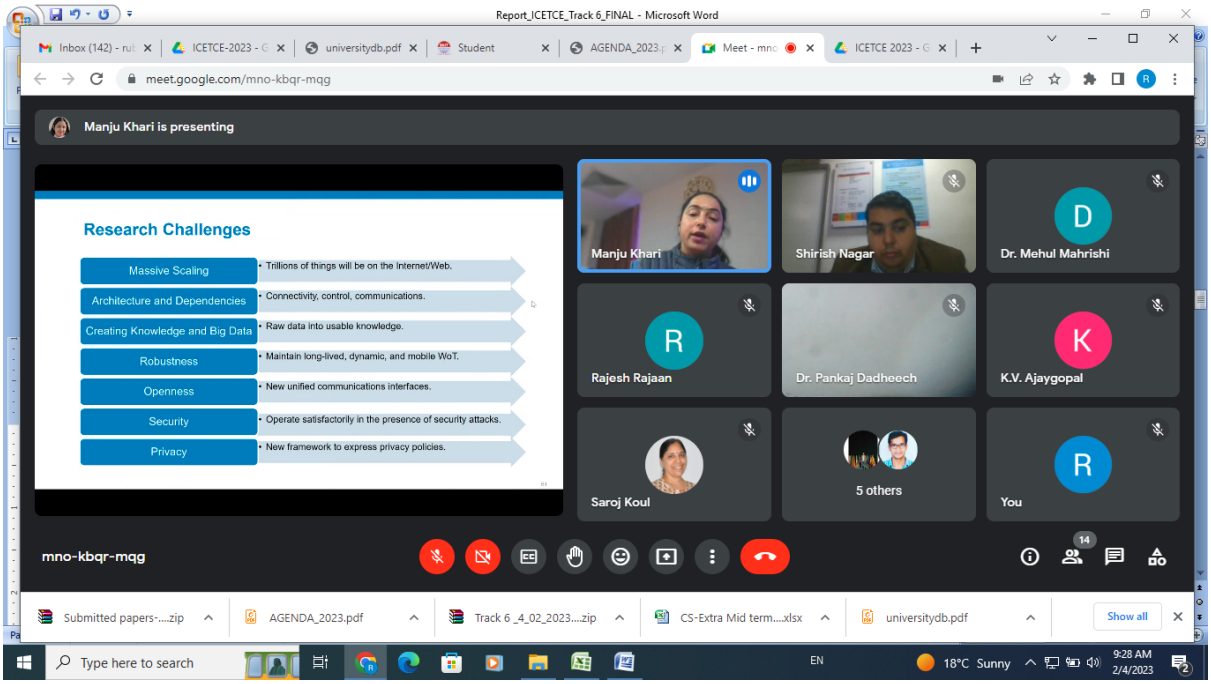
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Manju Khari is presenting
Research Challenges
Massive Scaling
Trillions of things will be on the Internet/Web.
Architecture and Dependencies
Connectivity, control, communications.
Creating Knowledge and Big Data
Raw data into usable knowledge.
Robustness
Maintain long-lived, dynamic, and mobile WoT.
Openness
New unified communications interfaces.
Security
Operate satisfactorily in the presence of security attacks.
Privacy
New framework to express privacy policies.
Manju Khari
Shirish Nagar
Dr. Mehul Mahrishi
Rajesh Rajaan
Dr. Pankaj Dadheech
K.V. Ajaygopal
Saroj Koul
5 others
You
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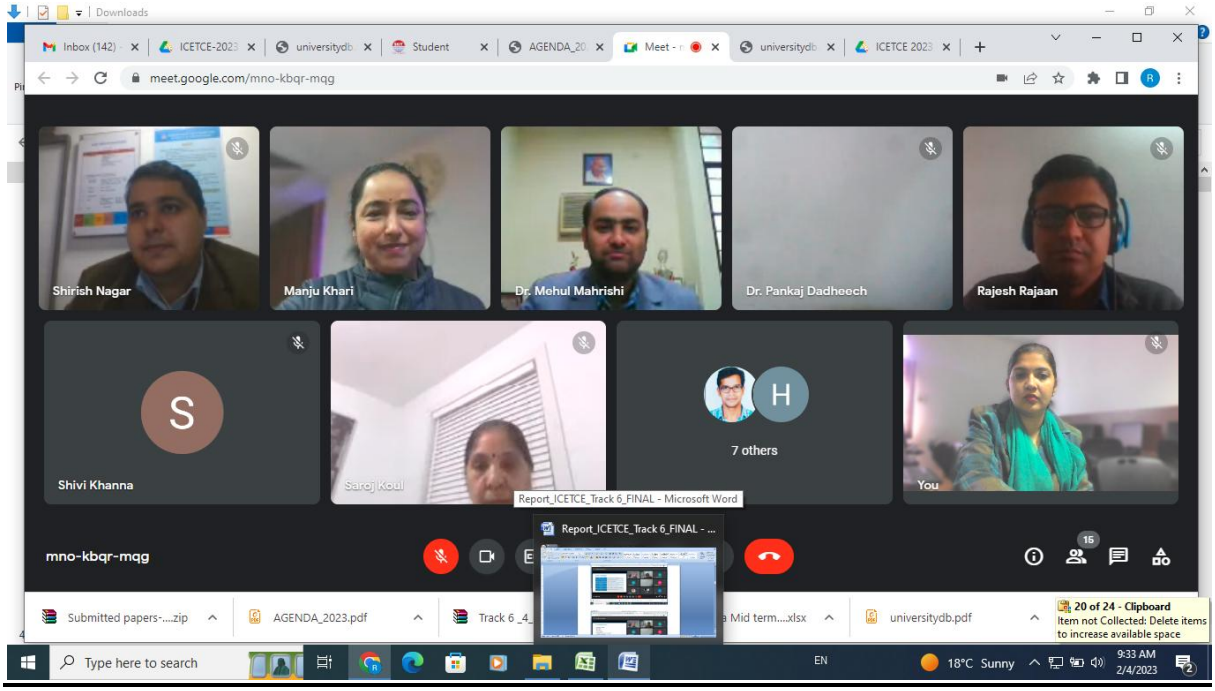


Technical Session Chair:

1. Dr. Radhakrishna Bhat, Assistant Professor, Dept of Computer Science and Engineering, MIT, MAHE, Manipal, India

2. Dr. Charu Gupta, Associate Professor, Dept of Computer Science and Engineering, Bhagwan Parshuram Institute of Technology, New Delhi, India

Session Coordinator's:

1. Ms. Rubal Deep Gill
2. Ms. Abha Jain
3. Mr. Shirish Nagar

The following papers were presented during the session,

1. **Paper ID:** -2366
   Title: A new proposal of Alpha Generation SDN-IoT fostering DDoS Attacks

Author: Hemant Kumar Saini

2. **Paper ID: 4560**

Title: A comprehensive survey on the recent trends of cyber security in the healthcare domain

Author: Manoj Dhawan, Lalit Purohit and Neha Gupta

3. Paper ID: 6050

Title: Emerging Role of Blockchain on Healthcare Management in COVID-19 and Beyond

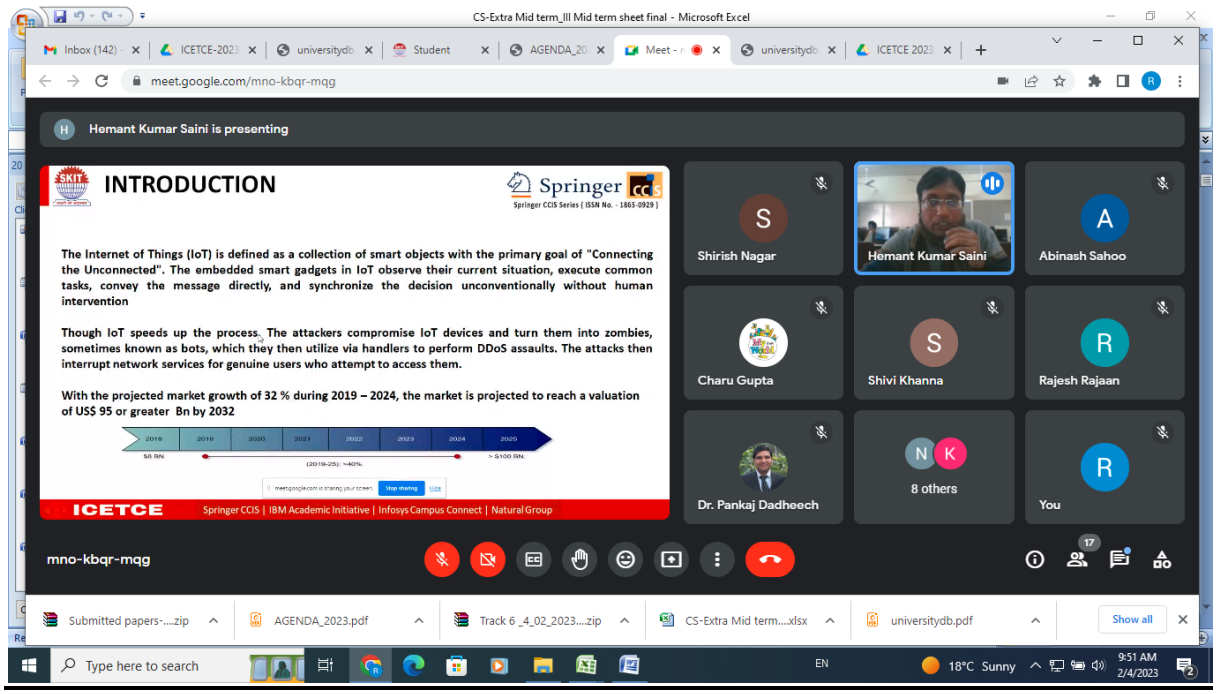
Author: Shivi Khanna, Fcma Nabanita Ghosh and Sunita Kumar

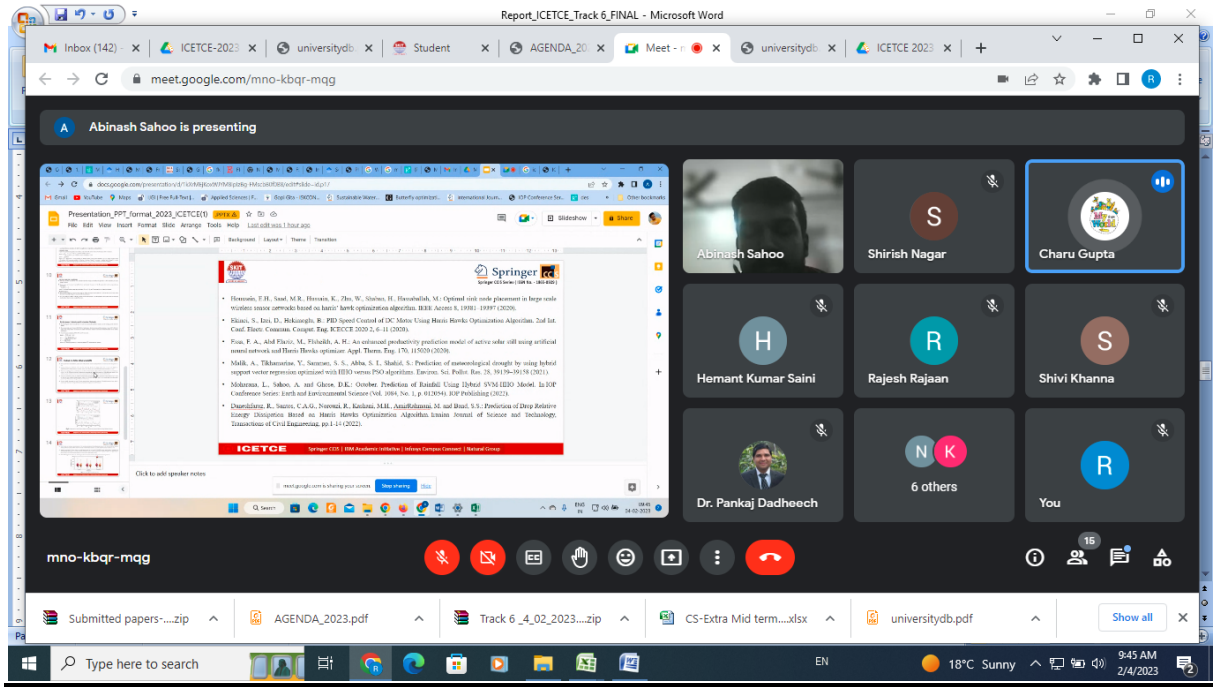
4. Paper ID: 3917
Title: Deep learning-based network intrusion detection systems: A Study
Author: Nidhi Srivastav and Dr. Rajiv Singh

5. Paper ID: 7783
Title: Game-Theoretic Approach to Cybersecurity: A bibliometric analysis
Author: Rakesh Verma, Saroj Koul and KV Ajaygopal

6. Paper ID: 894
Title: Emerging role of Artificial intelligence and Internet of Things on healthcare Management inCOVID-19 pandemic situation
Author: G.S. Raghavendra, Shanthi Mahesh,M.V. P. Chandra Sekhara Rao

SCREENSHOTS OF THE PRESENTATIONS

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Abinash Sahoo is presenting
Abinash Sahoo
Shirish Nagar
Charu Gupta
Hemant Kumar Saini
Rajesh Rajaan
Shivi Khanna
Dr. Pankaj Dadheech
6 others
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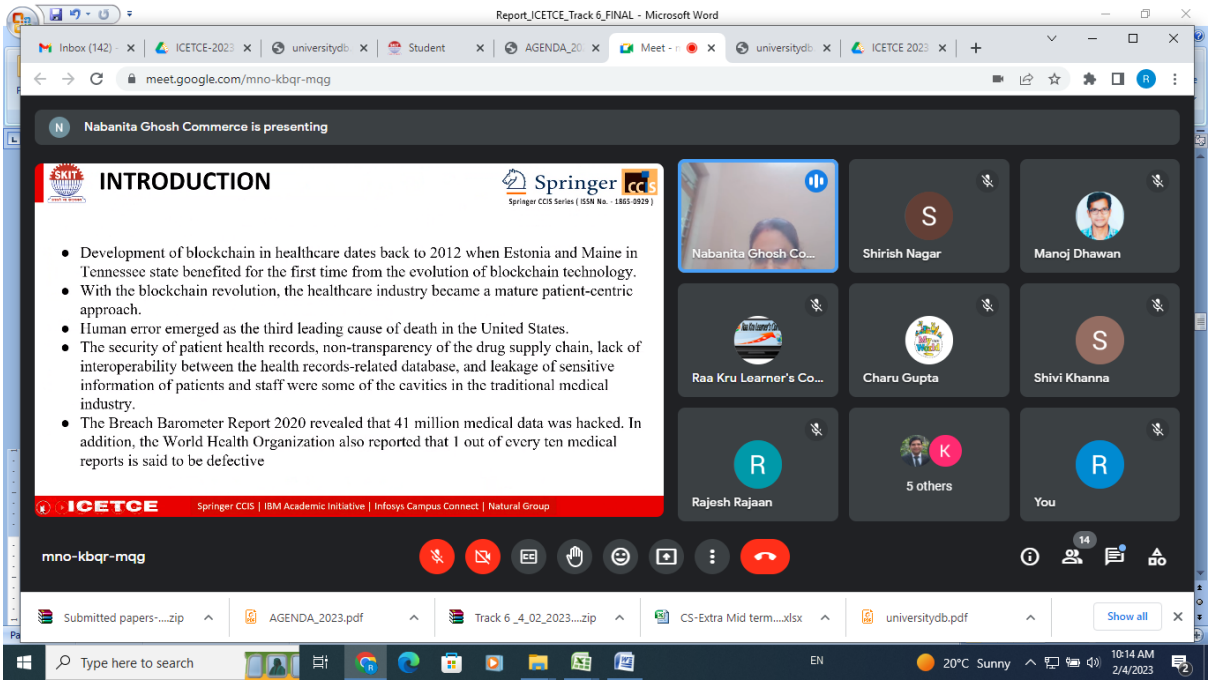
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meet.google.com/mno-kbqr-mqg
Nabanita Ghosh Commerce is presenting
INTRODUCTION
Springer
Springer CCIS Series (ISSN No. - 1865-0929)
Development of blockchain in healthcare dates back to 2012 when Estonia and Maine in Tennessee state benefited for the first time from the evolution of blockchain technology.
With the blockchain revolution, the healthcare industry became a mature patient-centric approach.
Human error emerged as the third leading cause of death in the United States.
The security of patient health records, non-transparency of the drug supply chain, lack of interoperability between the health records-related database, and leakage of sensitive information of patients and staff were some of the cavities in the traditional medical industry.
The Breach Barometer Report 2020 revealed that 41 million medical data was hacked. In addition, the World Health Organization also reported that 1 out of every ten medical reports is said to be defective
ICETCE
Springer CCIS | IBM Academic Initiative | Infosys Campus Connect | Natural Group
Nabanita Ghosh Co...
Shirish Nagar
Manoj Dhawan
Raa Kru Learner's Co...
Charu Gupta
Shivi Khanna
Rajesh Rajaan
5 others
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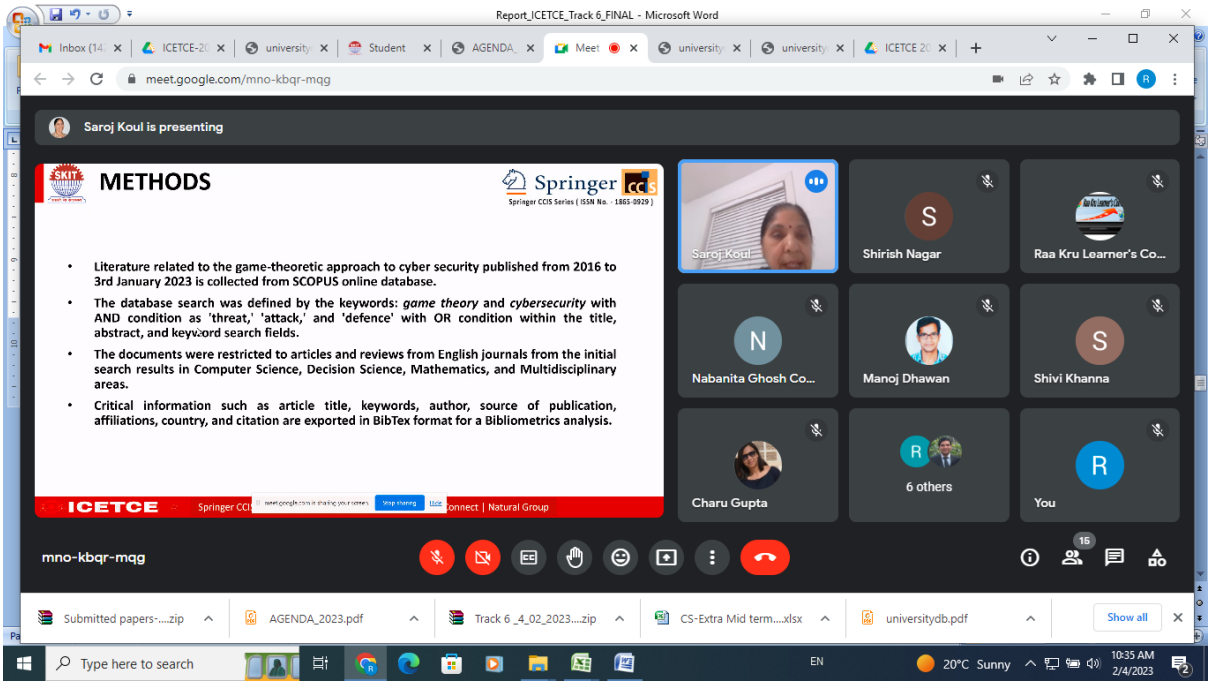
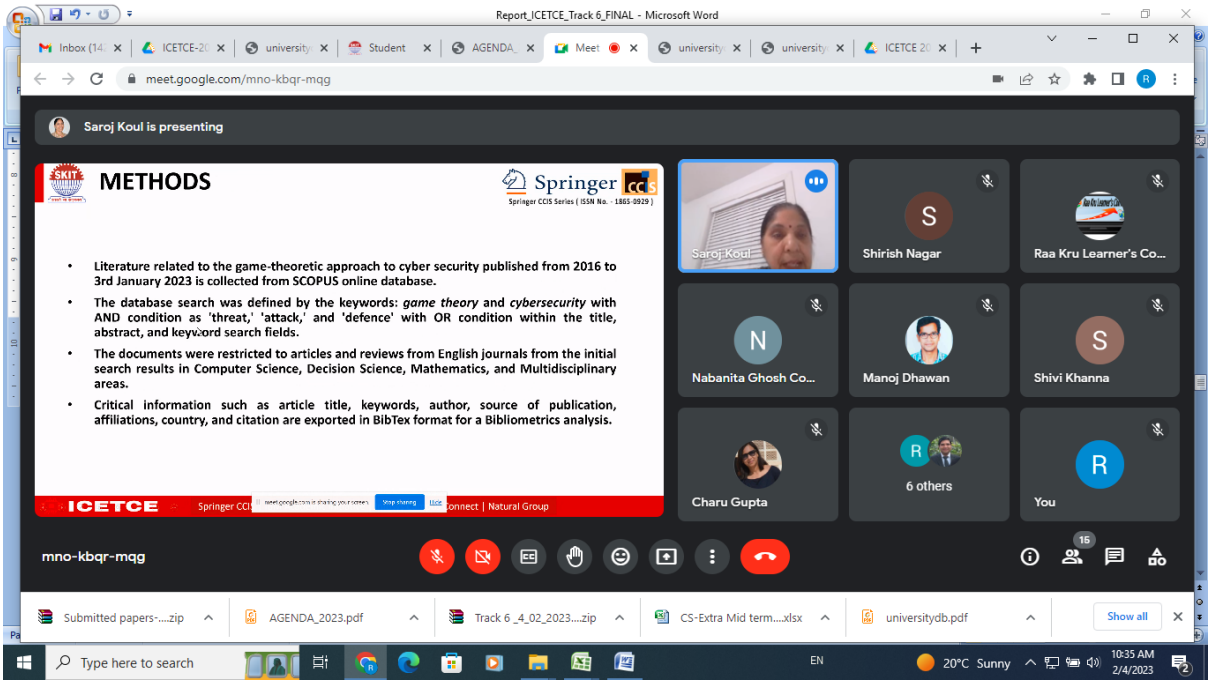




Best paper of the Track 6 :-

Paper ID: 6050

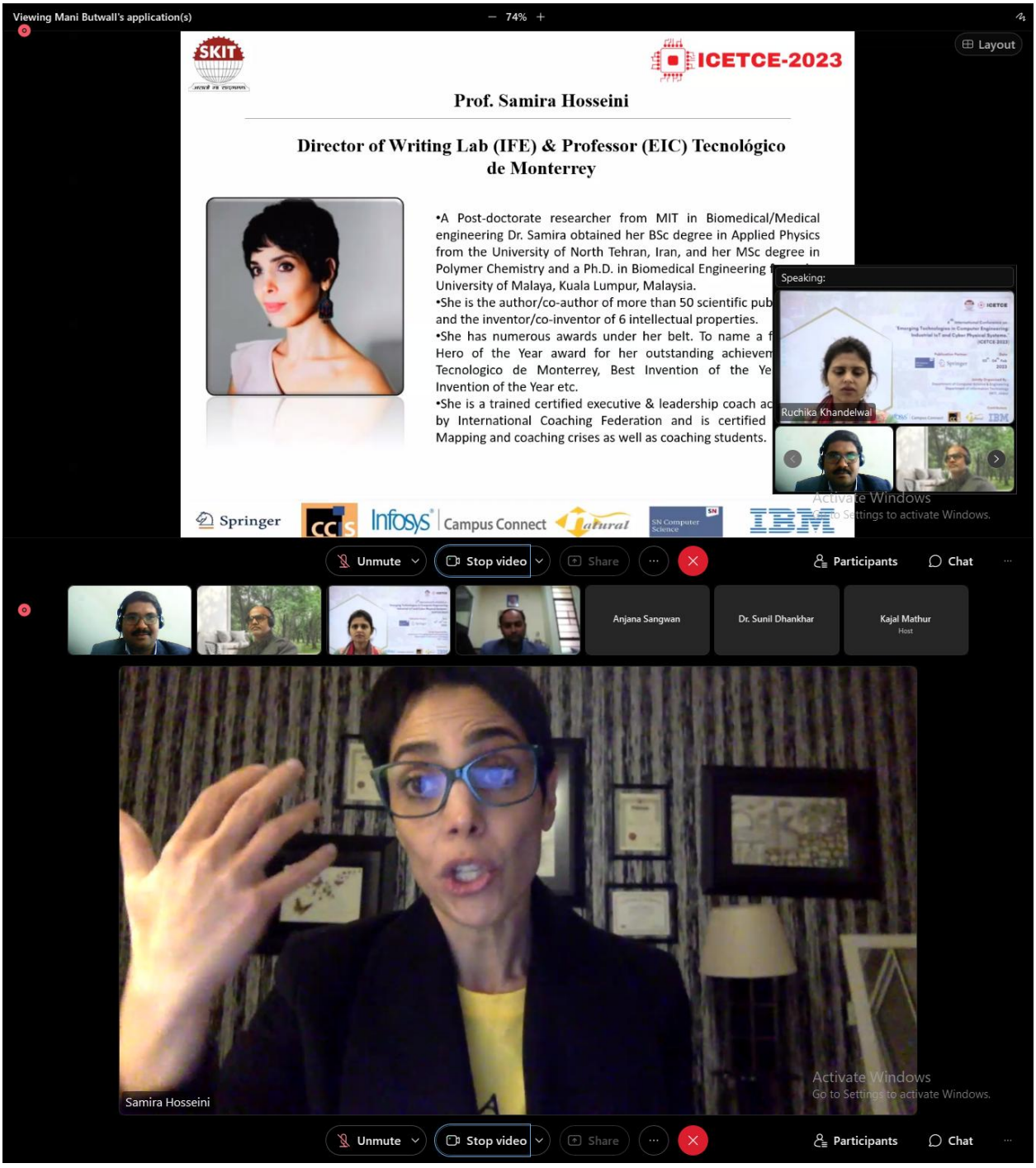
Title: Emerging Role of Blockchain on Healthcare Management in COVID-19 and Beyond

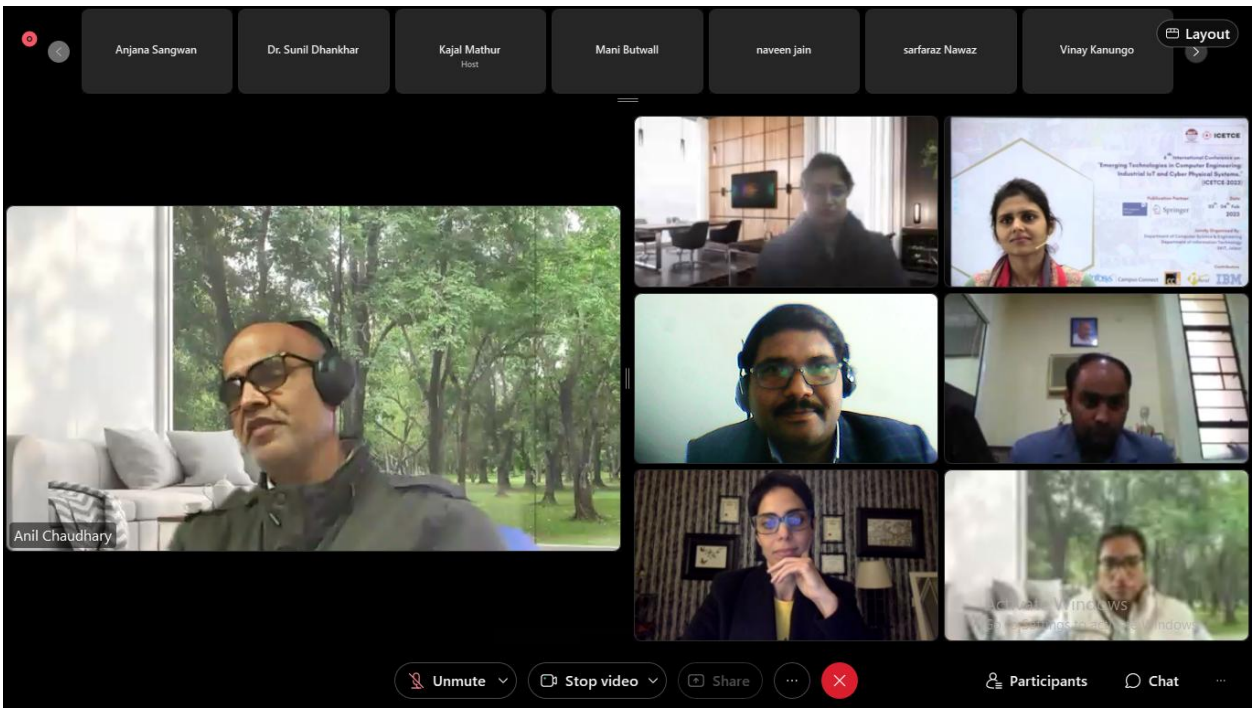
Author: Shivi Khanna, Fcma Nabanita Ghosh and Sunita Kumar

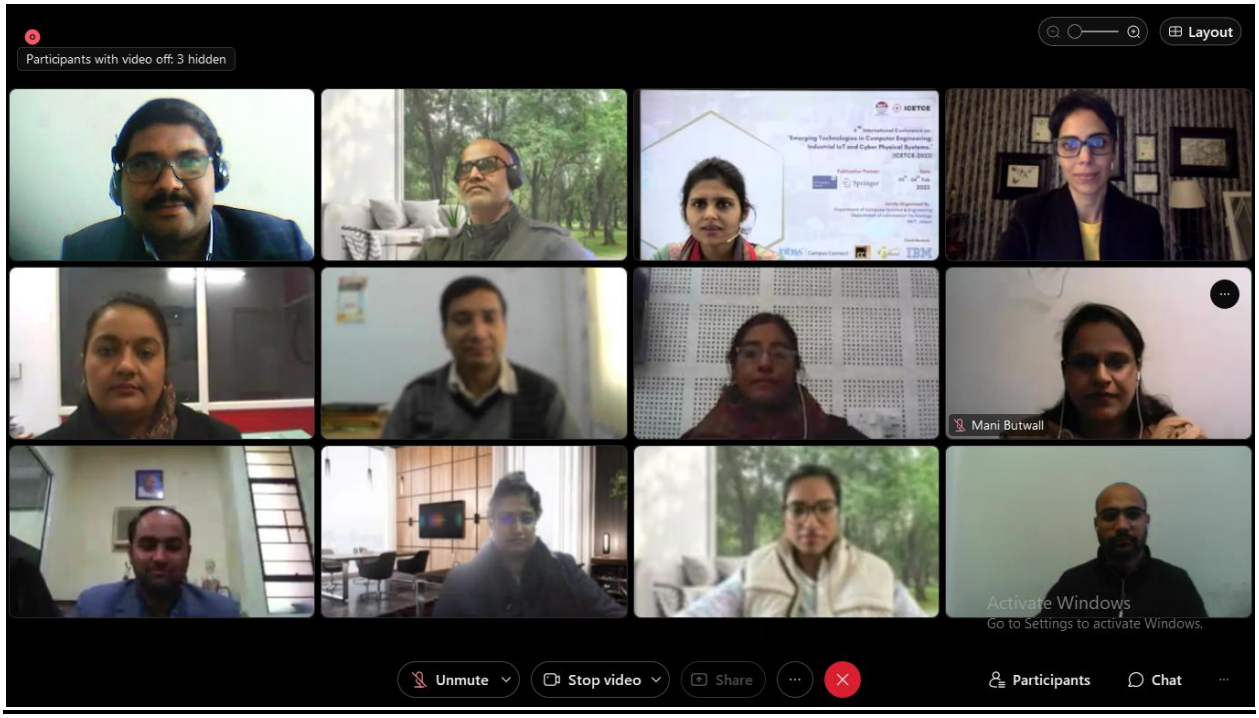
VALEDICTORY SESSION

In the Valedictory Session key persons, practitioners and chair members shared their experiences of the conference. **Prof. Samira Hosseini**, Director of Writing Lab (IFE) & Professor (EIC) Tecnológico de Monterrey, presented the summary report of the conference. Prof. Samira Hosseini, gave the best paper award to all the winners in respective tracks. **Prof. Anil Choudhary** (Organizing Chair) shared the experience and key findings of the conference with all the participants and encouraged the students, faculty members, and research scholars to participate in such conferences to have collaborative learning. Finally, Prof. Anil Choudhary delivered the vote of thanks and called the ICETCE-24 open to all the research fraternity.

The conference was a success and served as a source to gain and give knowledge, it also fostered the professional and personal growth of students as they got the opportunity interact with such learn dignitaries.







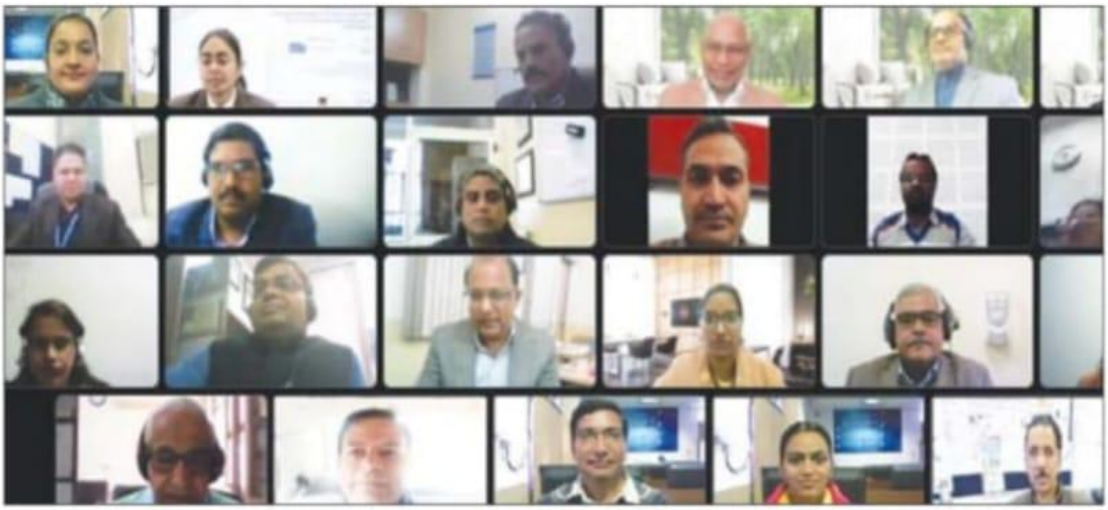
CONFERENCE OUTCOMES

The next generation of research and development must be faster, enhanced, intelligent, integrated and secured. The conference helped the researchers and technocrats to deepen the understanding of Industrial IOT, Cyber physical system, Machine learning and AI with their applications in different areas, Cognitive computing, Soft computing, Data science and Big data analytics, Block chain and Cyber security, and many more research areas and upcoming technologies.

Students were also benefited and updated their skills on the latest technologies to understand how next generation computing can contribute to deliver faster and integrated commercial viabilities.

NEWS & MEDIA

सम्मेलन में विजन, मिशन व अनुसंधान ढांचे पर चर्चा



जयपुर, समाचार जगत न्यूज । कंप्यूटर विज्ञान और इंजीनियरिंग और सूचना प्रौद्योगिकी विभाग, स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन, जयपुर, राजस्थान की ओर से 'कंप्यूटर इंजीनियरिंग में उभरती प्रौद्योगिकियों और साइबर भौतिक प्रणाली (आईसीईटीसीई 2023)' पर दो दिवसीय अंतरराष्ट्रीय सम्मेलन का आयोजन किया गया। डॉ. रमेश कुमार पचार, प्राचार्य, एसकेआईटी, जयपुर ने स्वागत भाषण दिया। सम्मेलन के आयोजन अध्यक्ष प्रो. डॉ. अनिल चौधरी ने विजन, मिशन, अनुसंधान ढांचे और सम्मेलन के परिणामों पर कुछ प्रकाश डाला। सम्मानित अतिथि सुश्री मोना भारद्वाज, कंट्री मैनेजर, आईबीएम रिसर्च ने नवाचार के मूलभूत पहलुओं के बारे में चर्चा की। सुश्री निवेदिता शर्मा, क्लाउड विशेषज्ञ, माइक्रोसॉफ्ट ने प्रौद्योगिकी में प्रगति के बारे में बात की। डॉ. मणि मधुकर, प्रोग्राम मैनेजर, ग्लोबल यूनिवर्सिटी प्रोग्राम्स, आईबीएम रिसर्च ने आज के युग में उत्थान के लिए पारंपरिक कक्षा शिक्षण के अलावा डिजिटल सामग्री के उपयोग पर जोर दिया। सम्मेलन के जनरल अध्यक्ष प्रो.सीराम रामकृष्ण ने दर्शकों के लिए एक प्रेरक वार्ता को संबोधित किया। यह सम्मेलन नेचुरल ग्रुप, इंफोसिस कैंपस कनेक्ट और आईबीएम स्किलबिल्ड प्रोग्राम की ओर से प्रायोजित था। प्रो. (डॉ.) सी.एम. चौधरी, आयोजन अध्यक्ष-आईसीईटीसीई ने आभार व्यक्त किया। (डॉ.) अरुण के. सोमानी, कॉलेज ऑफ इंजीनियरिंग, आयोवा स्टेट यूनिवर्सिटी, एम्स, यूएसए ने श्रृंखला में पहले आयोजित सम्मेलनों की यात्रा को विस्तृत करते हुए सम्मेलन का उद्घाटन किया। सम्मेलन आईबीएम स्किलबिल्ड प्रोग्राम, इंफोसिस कैंपस कनेक्ट एंड नेचुरल ग्रुप से जुड़ा था। प्रोफ़ेसर डॉ)। सी. एम. चौधरी, आयोजन अध्यक्ष, आईसीईटीसीई-2023 ने धन्यवाद प्रस्ताव प्रस्तुत किया।

छठा अंतर्राष्ट्रीय सम्मेलन (आईसीईटीसीई-2023)

P3 Police Public Politics

जयपुर । कंप्यूटर विज्ञान और इंजीनियरिंग और सूचना प्रौद्योगिकी विभाग, स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन, जयपुर, राजस्थान द्वारा ÷कंप्यूटर इंजीनियरिंग में उभरती प्रौद्योगिकियों- औद्योगिक ढ्ढश्वञ्ज और साइबर भौतिक प्रणाली (ढ्ढष्टश्वञ्जष्टश्व-2023)÷ पर दो दिवसीय अंतर्राष्ट्रीय सम्मेलन का आयोजन किया गया। डॉ. रमेश कुमार पचार, प्राचार्य, एसकेआईटी, जयपुर ने स्वागत भाषण दिया। सम्मेलन के आयोजन अध्यक्ष प्रो. डॉ. अनिल चौधरी ने विजन, मिशन, अनुसंधान ढांचे और सम्मेलन के परिणामों पर कुछ प्रकाश डाला। सम्मानित अतिथि सुश्री मोना भारद्वाज, कंट्री मैनेजर, आईबीएम रिसर्च ने नवाचार के मूलभूत पहलुओं के बारे में चर्चा की। सुश्री निवेदिता शर्मा, क्लाउड विशेषज्ञ, माइक्रोसॉफ्ट ने प्रौद्योगिकी में प्रगति के बारे में बात की। डॉ. मणि मधुकर, प्रोग्राम मैनेजर, ग्लोबल यूनिवर्सिटी प्रोग्राम्स, आईबीएम रिसर्च ने आज के युग में उत्थान के लिए पारंपरिक कक्षा शिक्षण के अलावा डिजिटल सामग्री के उपयोग पर जोर दिया। सम्मेलन के जनरल अध्यक्ष प्रो.सीराम रामकृष्ण ने दर्शकों के लिए एक प्रेरक वार्ता को संबोधित किया। यह सम्मेलन नेचुरल ग्रुप, इंफोसिस कैंपस कनेक्ट और आईबीएम स्किलबिल्ड प्रोग्राम द्वारा प्रायोजित था। प्रो. (डॉ.) सी.एम. चौधरी, आयोजन अध्यक्ष-आईसीईटीसीई ने आभार व्यक्त किया। (डॉ.) अरुण के. सोमानी, कॉलेज ऑफ इंजीनियरिंग, आयोवा स्टेट यूनिवर्सिटी, एम्स, यूएसए ने श्रृंखला में पहले आयोजित सम्मेलनों की यात्रा को विस्तृत करते हुए सम्मेलन का उद्घाटन किया। सम्मेलन आईबीएम स्किलबिल्ड प्रोग्राम, इंफोसिस कैंपस कनेक्ट एंड नेचुरल ग्रुप से जुड़ा था। प्रोफेसर डॉ सी. एम. चौधरी, आयोजन अध्यक्ष, आईसीईटीसीई - 2023 ने धन्यवाद प्रस्ताव प्रस्तुत किया।

Seema Sandesh News 04.02.2021

दो दिवसीय अंतरराष्ट्रीय सम्मेलन शुरू

बढ़ता राजस्थान

जयपुर। कंप्यूटर विज्ञान और इंजीनियरिंग और सूचना प्रौद्योगिकी विभाग, स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन, जयपुर, राजस्थान द्वारा कंप्यूटर इंजीनियरिंग में उभरती प्रौद्योगिकियों- औद्योगिक ड्वशञ्ज और साइबर भौतिक प्रणाली (ड्वष्टश्वञ्जष्टश्व-2023) पर दो दिवसीय अंतर्राष्ट्रीय सम्मेलन का आयोजन किया गया। डॉ. रमेश कुमार पचार, प्राचार्य, एसकेआईटी, जयपुर ने स्वागत भाषण दिया। सम्मेलन के आयोजन अध्यक्ष प्रो. डॉ. अनिल चौधरी ने विजन, मिशन,

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(डॉ.) अरुण के. सोमानी, कॉलेज ऑफ इंजीनियरिंग, आयोवा स्टेट यूनिवर्सिटी, एम्स, यूएसए ने श्रृंखला में पहले आयोजित सम्मेलनों की यात्रा को विस्तृत करते हुए सम्मेलन का उद्घाटन किया। सम्मेलन आईबीएम स्किलबिल्ड प्रोग्राम, इंफोसिस कैंपस कनेक्ट एंड नेचुरल ग्रुप से जुड़ा था। प्रोफेसर डॉ)। सी. एम. चौधरी, आयोजन अध्यक्ष, आईसीईटीसीई-2023 ने धन्यवाद प्रस्ताव प्रस्तुत किया।