

About Conference

International Conference on Advances in Computing, Communication and Intelligent Systems (ICACCIS 2024) is organized to bring together innovative scientists, professors, research scholars, students, and industrial experts in the field of Computing and Communication to a common forum. The primary goal of the conference is to promote the exchange of innovative scientific Information between researchers, developers, engineers, students, and practitioners. Another goal is to promote the transformation of fundamental research into institutional and industrialized research and to convert applied exploration into the real-time application. Overall, the conference will provide the researchers and attendees with prospects for national and international collaboration and networking among universities and institutions from India and abroad for promoting research. ICACCIS 2024 offers a diverse range of sessions and activities tailored to meet the needs of every participant. ICACCIS 2024 will be held online at Banarsidas Chandiwal Institute of Information Technology, GGSIPU, New Delhi.

Attractive Cash Prize For Best Paper in Every Track

Sub Theme

The Sub Themes of the Conference are (but not limited to):

- Artificial Intelligence and Machine Learning
- Intelligent Computing and Algorithms
- System and Software Engineering
- Network and Security

ABOUT TRUST- SBCSSTS

Shri Banarsidas Chandiwal Sewa Smarak Trust Society is a registered society under the Societies Registration Act and located at Chandiwala Estate, Maa Anandmai Ashram Marg, Kalkaji, New Delhi. It was founded in 1952, with a specific Mission and a Vision by Shri Brijkrishan Chandiwala. He was honored with a "PADMA SHRI in 2003 for his devotion and contributions in the field of Social Services. SBCSSTS was founded with the purpose of providing services in the field of health and education.

The society runs various institutes such as

- Banarsidas Chandiwal Institute of Information Technology, New Delhi
- Banarsidas Chandiwal Institute of Professional Studies, Dwarka, Delhi
- Banarsidas Chandiwal Institute of Hotel Management & Catering Technology, New Delhi
- Banarsidas Chandiwal Institute of Physiotherapy, New Delhi
- Banarsidas Chandiwal Institute of Medical Sciences, New Delhi
- Banarsidas Chandiwal Dental & Eye Hospital, Jama Masjid, Delhi
- Banarsidas Chandiwal Eye Hospital, Motihari, Bihar
- Janki Devi Memorial College for Women under Delhi University
- Janki Devi Vocational College for Women

About Institute

Banarsidas Chandiwal Institute of Information Technology. (BCIIT) was established in 1999 to run MCA and BCA programme. The Institute is affiliated with GGSIPU, Delhi for awarding the degree and is approved by the All India Council of Technical Education (AICTE), Ministry of HRD, Government of India. The Institute is established under the aegis of Sri Banarsidas Chandiwal Sewa Smarak Trust Society, a charitable Society working in the field of health and education since 1952. Both the stakeholders the faculty and the students- share the vision and mission of the Institute and are active partners in its implementation.



1st International Conference on Advances in Computing, Communication and Intelligent Systems (ICACCIS)

30th March 2024



Organized by

**Banarsidas Chandiwal Institute
of Information Technology (BCIIT)
and
Universal Inovators, Delhi, India**

**Proceeding by Elsevier SSRN
Conference Mode: Online**

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Track 1: Artificial Intelligence and Machine Learning

Mr. Sandeep Jain

Ms. Smriti Sharma

Track 2: Intelligent Computing and Algorithms

Dr. Sushma Bahuguna

Mr. Akshit Thakur

Track 3: System and Software Engineering

Ms. Sonia Batra

Mr. Alok Mishra

Track 4: Network and Security

Dr. Shalini Gambhir

Ms. Gomathy M.

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Registration Charges

Publication Charges

- | | |
|--|----------|
| 1. Research Scholar/Academicians/Student | Rs. 6000 |
| 2. Industry and Others: | Rs. 8000 |
| 3. Conference kit (if interested) (includes Hard Copy of Conference Proceedings, Certificate): | Rs. 1500 |

Foreign Authors

- | | |
|--|--------|
| 1. Research Scholar/Academicians/Student/Industry and Others | \$ 180 |
|--|--------|

Participation

- | | |
|---|----------|
| 1. Participation: | Rs. 500 |
| 2. Conference kit (if interested) : (includes Hard Copy of Conference Proceedings, Certificate) | Rs. 1500 |

NOTE:

1. All the accepted paper will be published in Elsevier SSRN Proceedings.
2. The best papers would be sent for publication to Scopus Indexed Journals/Springer Chapter Book. If accepted extra fee would be charged for the same.
3. E-Certificate will be given to all participants and authors.

Mode of Payment: Online

Online Payment Details:

Beneficiary Name:

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Important Dates

Full Paper Submission Deadline: 2nd March 2024

Author Notification: 7th March 2024

Final Paper Submission: 12th March 2024

Registration: 15th March 2024

Conference Date: 30th March 2024

Paper Submission Guidelines

All final submissions to the conference should be written In English with a maximum paper length of 6 to 12 printed pages (excluding references). Final manuscript preparation should abide the following guidelines:

1. Submit your manuscript either in PDF or in Microsoft Word format. Use the most current version of Microsoft Word which will help in reducing word-to-pdf conversion issues such as embedded fonts, bookmarks, etc.
2. Submissions should strictly follow the recommended Elsevier SSRN conference template.
3. All references must follow the Elsevier SSRN format of referencing.
4. Papers are reviewed on the basis that they do not contain any plagiarized material and have not been submitted to any other conference at the same time (multiple submission).
5. Authors whose name is in the Elsevier SSRN Prohibited Author List (PAL), are requested not to submit their papers in this conference.

Contact Us

Dr. Anu Taneja (Associate Professor)

Banarsidas Chandiwalla Institute of Information Technology, GGSIPU, New Delhi

Email: conference@bciit.ac.in

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Dept. of Computer Science, University of Delhi, Delhi

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Keynote and Invited Speakers



Prof. (Dr.) P.S. Grover

Dept. of Computer Science, University of Delhi, Delhi



Prof. (Dr.) Syed Afzal Murtaza Rizvi

Dept. of Computer Science, Jamia Millia Islamia, Delhi



Dr. Ashish Khanna

Associate Professor, Dept. Of Computer Science, Maharaja Agrasen Institute of Technology, GGSIPU, Delhi



Dr. C.S. Ram

Director, Banarsidas Chandiwalla Institute of Physiotherapy, GGSIPU, Delhi



Mr J.K. Dadoo, IAS (Retd.)



Mr. Manoj Kumar

Head of Talent Acquisition, Kimbal Technologies, Delhi



Dr. Mohammad Javed Idrisi

Associate Professor Department of Mathematics College of Natural and Computational Science Mizan-Tepi University, Tepi Campus, Ethiopia



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BANARSIDAS CHANDIWALA INSTITUTE OF INFORMATION TECHNOLOGY

(Affiliated to GGSIPU & Approved by AICTE)

(Running 2 years MCA and 3 years BCA Programme)

International Conference

On

Advances in Computing, Communication and Intelligent Systems

(ICACCIS' 2024)

30th March 2024 (Online Mode)

CONFERENCE PROGRAMME SCHEDULE

TRACK 1: Artificial Intelligence & Machine Learning Session Chair: Dr. Neda Fatima Coordinators: Mr. Sandeep Jain & Ms. Smriti Sharma		
12:00 Noon-12:05 P.M.	Welcome Note to Session Chair	(By Track Coordinators)
12:05P.M.– 12:15 P.M.	Session Address Note	Dr. Neda Fatima (Assistant Professor, MRIRS)
12:15 P.M.-4:15 P.M.	Paper Presentations	
4:15 P.M. onwards	Vote of Thanks (By Track Coordinators)	

TRACK 1: PAPER PRESENTATIONS SCHEDULE			
S.NO.	Time	Title	Authors
1.	12:15 P.M. – 12:30 P.M.	A Comparative Analysis of Natural Language Processing Techniques for Hashtag Clustering	Richa Vivek Gupta, Kadugula Priscilla, Ritika Prakash, Anjali Goyal
2.	12:30 P.M.-12:45 P.M.	Deep Learning in Motion: Advancements and Applications in Traffic Flow Prediction	Girisha Sahdev, Priyanka Behera, Ashima Airan, Rachna Narula, Vijay kumar
3.	12:45 P.M. – 1:00 P.M.	Impact of Artificial Intelligence and Machine Learning Platforms on Consumer Decision-Making Processes	Dhrub Ranjan
4.	1:00P.M. – 1:15 P.M.	VISION-BASED HUMAN ACTIVITY RECOGNITION USING DEEP LEARNING TECHNIQUES	Divye Gupta, Aarnav JP, Mayank Hora, Muskaan Bhardwaj, Rachna Narula
5.	1:15 P.M. – 1:30 P.M.	The Crystal Ball of Finance: A Comparative Study of Predictive Models for Loan Default	Dr. Shalini Gambhir, Akshit Thakur, Tarun Gupta, Lakshya Mittal
6.	1:30 P.M. – 1:45 P.M.	Fatal Road Accidents Analysis Using Data Mining Approaches	G. Sumathi, G. Mahalakshmi, R. Prabakaran, P. S. Apirajitha
7.	1:45P.M. – 2:00 P.M.	Analyzing Pattern Recognition Approaches for Forecasting Tourism Demand: A Review	Gagan Gurunga, Dr. Arvind Kumar Upadhyay
8.	2:00P.M. – 2:15 P.M.	Congestion Based Traffic Signal Control Using Machine Learning: A Comparative Analysis	Ravi Kumar, Dr. Gaganjot Kaur, Rahul Maurya, Sandeep Kr.Yadav, Mukesh Jaiswal
9.	2:15P.M. – 2:30 P.M.	A Comparative Performance Analysis of Machine Learning Techniques for Credit Card Fraud Detection	Rashmi
10.	2:30P.M. – 2:45 P.M.	A Comprehensive Analysis of Machine Learning in Predicting Students' Academic	Sapna Raia, Sunil Sikkab, Anil Kumar

		Performance	
11.	2:45P.M. – 3:00 P.M.	HealthHub Food Item Recognition With Calorie Estimation And Health- Conscious Product Suggestion	Dr.E KODHA, SUDHAN R, ADHVITA R
12.	3:00P.M. – 3:15 P.M.	Performance of Machine Learning Algorithms for Multi- hazard Susceptibility Assessment in the Mountainous Regions: An Overview	Hemwati Nandan Bahuguna, Sushma Bahuguna, Syed Hameedur Rahman Zaini
13.	3:15 P.M. – 3:30 P.M.	Text Summarization for Short Answer Evaluation using NLP	Sushma Bahuguna, Hitesh Walia, Sonia Batra

TRACK 2: Intelligent Computing & Algorithms

Session Chair: Dr.Meenakshi Narula

Coordinators: Dr. Sushma Bahuguna& Mr. Akshit Thakur

12:00 P.M. Noon-12:05 P.M.	Welcome Note to Session Chair	(By Track Coordinators)
12:05 P.M.– 12:15 P.M.	Session Address Note	Dr. Meenakshi Narula (Professor & HoD) JIMS, Vasantkunj, Delhi
12:15 P.M.-4:15 P.M.	Paper Presentations	
4:15 P.M. onwards	Vote of Thanks (By Track Coordinators)	

TRACK 2: PAPER PRESENTATIONS SCHEDULE

S.NO.	Time	Title	Authors
1.	12:15 P.M. – 12:30 P.M.	NSPP: An intelligent approach to page ranking for web search Personalisation	Aditi Jain, Dheeraj Malhotra
2.	12:30 P.M.-12:45 P.M.	CHALLENGES AND APPROACHES IN HINDI HATE SPEECH DETECTION ON SOCIAL MEDIA PLATFORMS	Daksh Balyan, Kashvi Malik, Tanish Gupta, Yash Rakesh, Rachna Narula
3.	12:45 P.M. – 1:00 P.M.	An Empirical Comparison of Hindi BERT and MuRIL for Hate Speech Detection on Social Media Platforms in Hindi Language	Shayoni Rakshit, Himani Dhawan, Tanya Gupta, Rachna Narula
4.	1:00P.M. – 1:15 P.M.	Facial Precision Tracker: Redefining Attendance Management with MTCNN	S. Beaula Pinky, N.Jeyakkannan, D. Shankar, S.Vijayalakshmi
5.	1:15 P.M. – 1:30 P.M.	Exploring Models and Methods of Epidemic Spread in Heterogeneous Dynamic Networks: A Comparative Analysis	Narjis Fatima, S.A.M. Rizvi

6.	1:30 P.M. – 1:45 P.M.	Utilizing Emotional Intelligence in AI Tools	Ms. Smriti Sharma Mr. Sandeep Dr. Tripti Sharma
7.	1:45 P.M. – 2:00 P.M.	Fake News Identification using Machine Learning: A Review	Ravinder Goyat, Suman Goyat, Dr. Deepak Sharma
8.	2:00 P.M. – 2:15 P.M.	Predict the Possibility of Cardiac Arrest in Smokers using Machine Learning Models	Suman Raj, Shahzad Alam, Tanvir Ahmad
9.	2:15 P.M. – 2:30 P.M.	Diabetes Prediction Model: role of Artificial Intelligence in prevention, detection and management amid Rising Diabetic patients	Ms. Sweta, Ms. Bharti Aggarwal, Ms. Suman, Dr. Nidhi Gupta, Prof. Dr. G.D. Satyarthi
10.	2:30 P.M. – 2:45 P.M.	Tool to Detect Seizure for the Intellectually Challenged Person	Vani Perumala, Maryam Pir Bakhsh AL Balushib , Athari Khalfan Al Shaaibib , Gomathy Marimuthu
11.	2:45 P.M. – 3:00 P.M.	Intelligent Computing: Current Developments, Obstacles, and Prospects	Ms. Dipti Chawla
12.	3:00 P.M. – 3:15 P.M.	Smart Trigger Alert and Alarm Control System for Retail Store using IoT	Dr. Dimple Chawla, Ms. Swati Jain

TRACK 3: System & Software Engineering

Session Chair: Dr. Dheeraj Malhotra

Coordinators: Ms. Sonia Batra & Mr. Alok Mishra

12:00 P.M. – Noon-12:05 P.M.	Welcome Note to Session Chair	(By Track Coordinators)
12:05 P.M. – 12:15 P.M.	Session Address Note	Dr.Dheeraj Malhotra (Associate Professor) VIPS, Delhi
12:15 P.M.-4:15 P.M.	Paper Presentations	
4:15 P.M. onwards	Vote of Thanks (By Track Coordinators)	

TRACK 3: PAPER PRESENTATIONS SCHEDULE

S.NO.	Time	Title	Authors
1.	12:15 P.M. – 12:30 P.M.	Empowering New Mothers: A Holistic Platform for Women's Mental Health Enhancement Post-Childbirth	Deepali P. Kadam, Ayush A. Jadhav, Prathamesh S. Govilkar, Yash T. Bhosale , Sahil A. Gamre
2.	12:30 P.M.-12:45 P.M.	CRNN-FAKE: Enhancing Detection of False Information	Ms Gomathy M Ms Mansi Vats
3.	12:45 P.M. – 1:00 P.M.	'AI Attend' Attendance Automation using Face Recognition Technique	Harshit Soni, Nakul Arora, Deepak Sharma, Hemant Kumar
4.	1:00P.M. – 1:15 P.M.	Image Classification and its Application	Munesh Meena, Ruchi Sehwat
5.	1:15 P.M. – 1:30 P.M.	Enhancing Mental Health Assessment: A Text-based Framework	Deepali P. Kadam, Nikhil G. Mahajan, Rushikesh S. Mane, Sahil D. Durgude, Virendra N. Kori
6.	1:30 P.M. – 1:45 P.M.	Data Mining: Applications and Trends	Siddharth Gupta, Dheeraj Malhotra

7.	1:45 P.M. – 2:00 P.M.	INVISIBLE VISIONARY	SIVAKUMAR S, Dr. R. GOWRI
8.	2:00 P.M. – 2:15 P.M.	Evaluation of Machine Learning Algorithm for Copy Move Forgery Detection	Vijay Bharti, Dr. Rohini Goel
9.	2:15 P.M. – 2:30 P.M.	Enhancing Early Alzheimer's Disease Detection through an Ensemble Methodological Approach	Vijay Kumar, Piyush Gupta, Yuvika Gautam, Gaurav Mitra, Sanjeev Sanya
10.	2:30 P.M. – 2:45 P.M.	Product Recommendation on E-Commerce Websites – A Bibliometric Study and Literature Surve	Ms Ashima Malik, Dr. S Srinivasan, Dr. Piyush Prakash
11.	2:45 P.M. – 3:00 P.M.	Smart Cities and Healthcare Revolution: Bridging the future through AI, IoT and Blockchain	Govind Murari Upadhyay, Anu Taneja, Priyanka Sharma, Arun Kumar Uttam
12	3:00 P.M. – 3: 15 P.M.	Artificial Intelligence & Physiotherapy: Evaluating Trends in Healthcare Sector	Himani Kaushik Dr. C.S. Ram Avi Choudhary

TRACK 4: Network& Security

Session Chair: Dr. Yogesh Sharma

Coordinators: Dr. Shalini Gambhir& Ms. Gomathy M.

12:00 Noon-12:05 P.M.	Welcome Note to Session Chair	(By Track Coordinators)
12:05 P.M.– 12:15 P.M.	Session Address Note	Dr. Yogesh Sharma (Assistant Professor) MAIT, Delhi
12:15 P.M.-4:15 P.M.	Paper Presentations	
4:15 P.M. onwards	Vote of Thanks (By Track Coordinators)	

TRACK 4: PAPER PRESENTATIONS SCHEDULE

S.NO.	Time	Title	Authors
1.	12:15 P.M. – 12:30 P.M.	An Effective Approach to Enhance Security in Cloud Computing using Advanced Encryption Standard (AES)	Anjana, Ajit Singh
2.	12:30 P.M.-12:45 P.M.	COST AND MAKESPAN AWARE WORKFLOW SCHEDULING USING PSO ALGORITHM IN CLOUD	Devesh Mishra, Dr. C. Rama Krishna, Dr. Mala Kalra
3.	12:45 P.M. – 1:00 P.M.	An Overview of Visual Cryptography Techniques	Ekta, Ajit Singh
4.	1:00P.M. – 1:15 P.M.	Transformative Trends: Analyzing the Integration of Block chain in Banking Operations	Anjani Kumar Singha, Nitin Shukla, Gaurav Yadav, Pradeep Kumar Tiwari
5.	1:15 P.M. – 1:30 P.M.	The Threat of Cyber Squatting:Understanding the Risks of Digital Identity Theft	Dr. Gaytri Devi, Muskan
6.	1:30 P.M. – 1:45 P.M.	Blockchain-Powered Smart Homes: A Comprehensive Review and Outlook	Pragya Sataksheea , Harsh Goyalb , Dr. Mukta Sharma
7.	1:45 P.M. – 2:00 P.M.	IOT BASED SMART HOME AUTOMATION SYSTEM	Vishal Kadiyan, Dr. Gaganjot Kaur,

			Arti, Arpit Narang, Karan Rudola
8.	2:00 P.M. – 2:15 P.M.	H2AES: Enhancing Cloud Encryption Security in Health Sector	Monika Yadav, Nidhi Malik, Ambika Thakur, Chetna Tiwari, Lakshay Attri
9.	2:15 P.M. – 2:30 P.M.	Identifying User Intent in Social Media Comments using BERT	Nidhi Malik, Yash Srivastava, Priyansh Aggarwal, Dev Sharma, Ujjwal Mehra
10.	2:30 P.M. – 2:45 P.M.	Fake Image Detection Using CNN	Siddhant Vishwakarma, Dhrumil Joshia, Mudra Doshi
11.	2:45 P.M. – 3:00 P.M.	Design and optimization of double-layered wearable antenna at 5.7ghz ism band	Rajarajeshwari K C, Harini M, Madhiarasan A, Dheenakarathi S

Dr. Anu Taneja
(Associate Professor & Co-Convener)

Dr. Ravish Saggur
(Director & Convener)



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Mr. Amit Shrivastava,

System Incharge, BCIIT, Delhi, India



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9(b)

Seminar on Generative AI in education

A seminar was organized on Generative AI in education on October 13th, 2023. The speaker of the day was Mr. Nitin Pandit.

The session began with an introduction to generative AI, a subset of artificial intelligence that is capable of creating new content—text, images, audio, and video—based on patterns learned from existing data. Tools like ChatGPT, DALL-E, and similar AI models were highlighted as prominent examples that can generate realistic content, aid in problem-solving, and support learning.

The seminar concluded with an interactive Q&A session where participants discussed practical concerns and brainstormed solutions for integrating generative AI in classrooms. Overall, the event demonstrated that while generative AI holds immense promise for revolutionizing education, its implementation must be guided by careful consideration of its limitations and ethical implications.



9(c)

Faculty Development Program me

1) Online Faculty Development Programme on Big Data Analytics using Python

Resource Persons

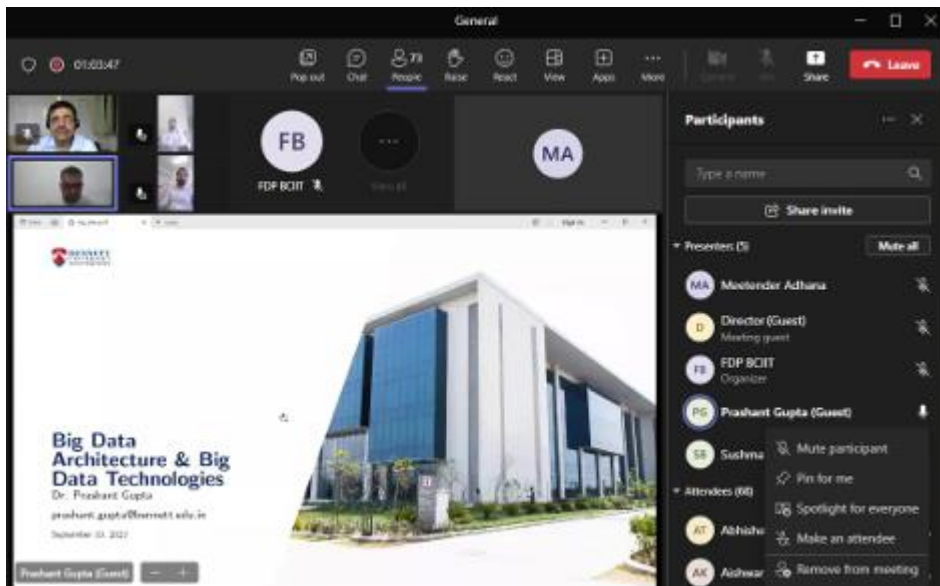
- Dr Prashant Kr Gupta Associate Professor, Bennett University.
- Dr Anjali Gautam, Assistant Professor(K R Mangalam University).
- Dr Sushma Bahuguna, Sr. Assistant Professor(BCIIT).
- Dr Deepa Nehra, Associate Professor(Maharishi Markendeshwar University)
- Dr Anu Taneja Associate Professor(BCIIT)
- Mr. Munna Pandey Data Science Analyst

Date: September 11th – September 15th ,2023

Audience

Faculty Members of BCIIT and academicians from other colleges.





Online Faculty Development Program on the Applications of Generative AI in Teaching and Research

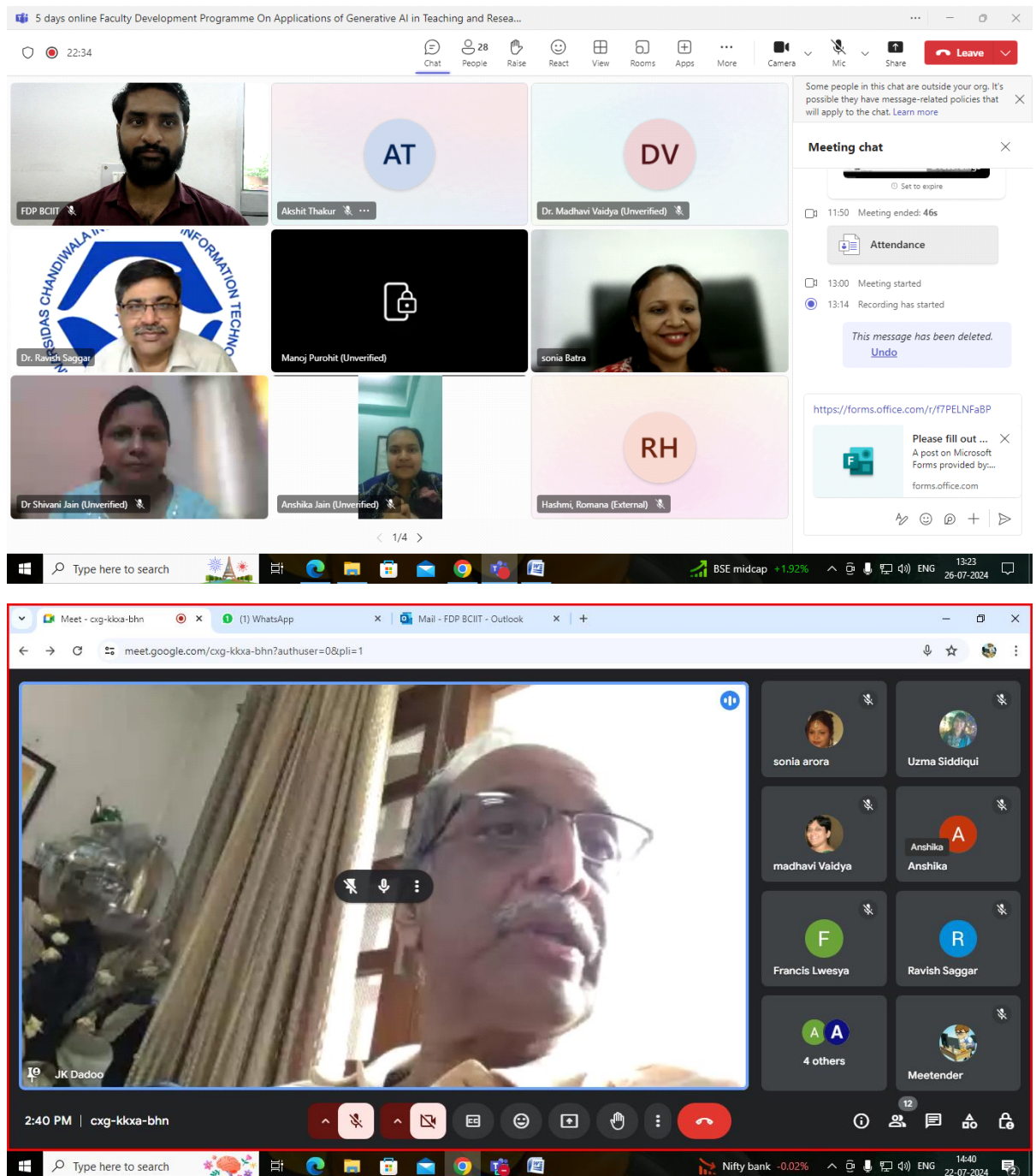
Resource Persons

- 1) Mr JK Dadoo
Sr. Advisor (Fortune 500 MNCs) , Independent Director, IAS (Retd.)
- 2) Mr Rajeev H Dave
Sr Leader Gen AI and Predictive Analysis, NCR Voyix
- 3) Dr Minaksi Memoria
Associate Professor, College of Computer Science, King Khalid University, Abha, Saudi Arabia
- 4) Dr Vandana Sharma
Associate Professor, Christ University, Delhi NCR Campus, India
- 5) Mr. Munna Pandey
Data Analytics Trainer, EduBridge Learning Pvt. Ltd.
- 6) Dr Pooja Sapra
Associate Professor & Head, Parul University
- 7) Dr Sukhvinder Singh Deora
Assistant Professor, Maharshi Dayanand University, Rohtak
- 8) Ms. Nidhi Grover Raheja
Technical Trainer, AI & Data Analytics

Date: July 22nd – July 26th ,2024

Audience

Faculty Members of BCIT and academicians from other colleges.



9(d)

Workshop on Campus to Corporate (February 12th ,2024)

The host of the day was Ms. Jasneet Kaur Bhalla. Ms. Jasneet is a certified soft skill trainer and a motivational speaker. The focus of the workshop was on Presentation Skills & Platform Skills(Confidence Building & Self Esteem Development). She conducted role plays for facing interviews and gave start tips to face the personal interviews



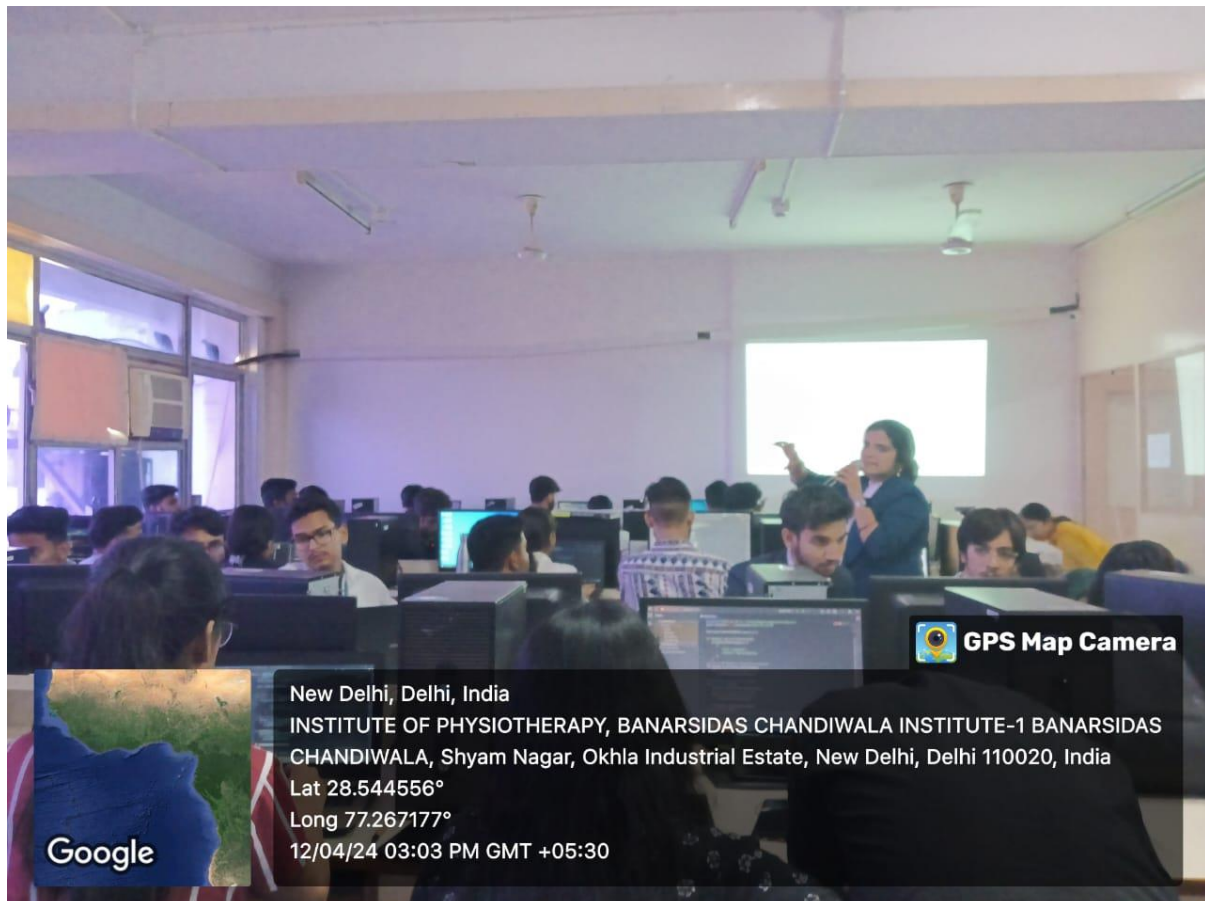
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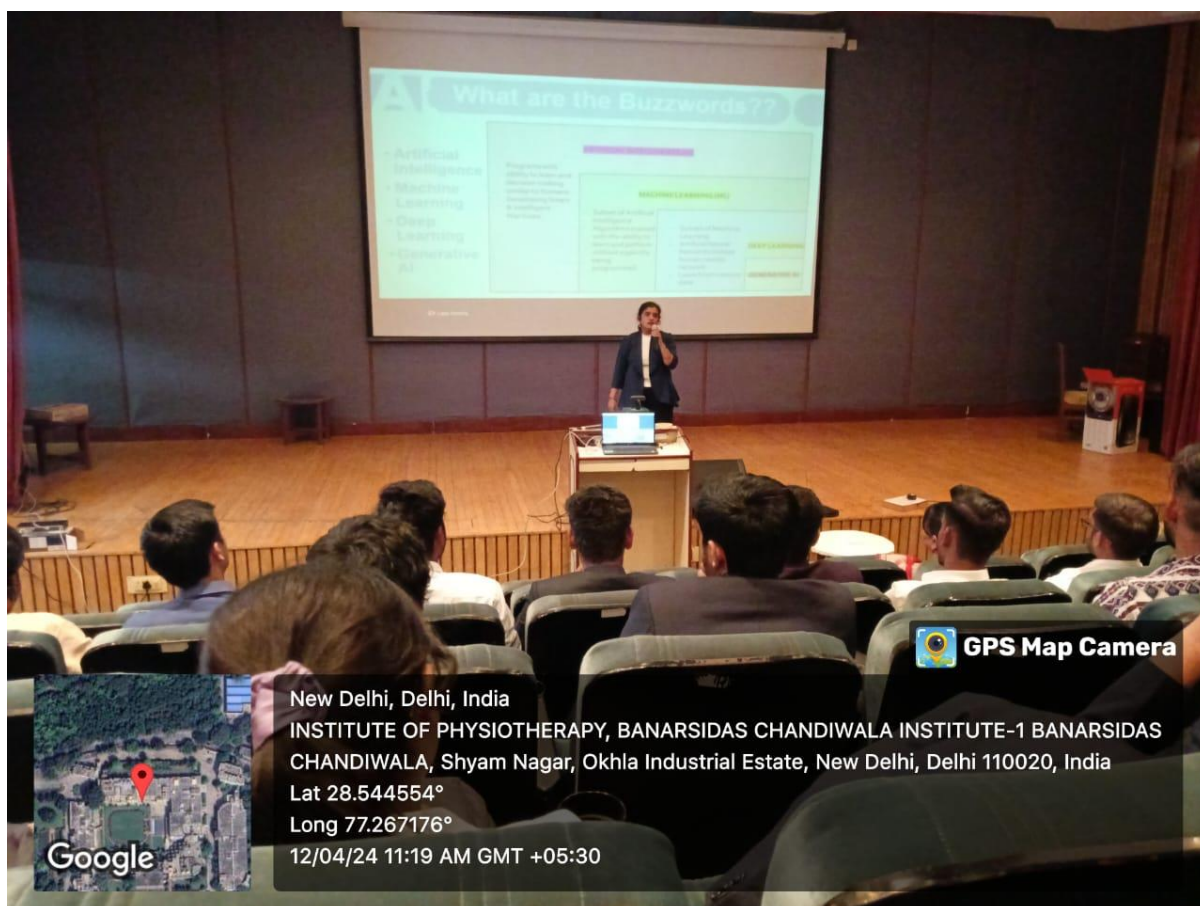


9(E)

Short Term Course on Diving into the world of ChatGPT and GenAI (April 12th, 2024)

The speaker of the day was Ms. Nidhi Grover Raheja. Ms. Nidhi is a Technical Trainer and Book Author for technologies including Python, Machine Learning, Data Science, Natural Language Processing (NLP), Deep Learning, and Generative AI. This workshop promised to be an enlightening experience, providing valuable insights into the world of ChatGPT and Generative AI.





9(F)

Entrepreneurship Talk by Mr Shakti Tanwar(April 25th ,2024)

An Entrepreneurship Talk was organized on April 25th ,2024 in Online Mode. The speaker of the day was Mr Shakti Tanwar, Founder and CTO, Techpro CompSoft.

The aim of the seminar was to inspire and empower our talented students to become successful entrepreneurs.

The session was very informative and beneficial for the students.

