



**Dr S.C. Gulhane Prerna College of
Commerce, Science and Arts**

Run by Prerna Seva Mandal
Reshimbag Square, Nagpur-24

Govt Recognized and Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University
NAAC (UGC) ACCREDITED INSTITUTION 'B' GRADE (CGPA-2.32)

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REPORT

**Department of Computer Science and Application
Organizes
A TWO DAYS NATIONAL CONFERENCE
ON**

**Technological Advancement in Computer Science: Artificial Intelligence, Machine
Learning & Data Science**

Date: Friday 08th and Saturday 09th September 2023

Time: 9:30 Am Onwards

Day 1:

FRIDAY 08th September 2023

Inaugural Ceremony:

**Hon'ble Chief Guest – Dr Ravi Inder Singh, Professor in Finance University Business School,
Punjab University, Ludhiana, Punjab, India.**

Topic: Technological Development in computer science

Comparing: Ms Neha Samundre

Vote of Thanks by: Mrs Priyanka Chandawar

Keynote Session:

Topic: Deep learning models for 3D Medical Image Processing

**Keynote Speaker/ Guest – Dr P. L. Chithra, Prof. Department of Computer Science, Madras University,
Chennai, India.**

Emceed and Vote of thanks proposed by: Shivani Mesawat

Session 1:

Topic: Visualizing the future – Trends and Innovations in Data Visualization

**Resource Person – Dr M. Prasad, Associative Professor, Computer Science & Engineering Department,
Shri Vishnu Engineering College for Women (Autonomous), Bhimavaream, West Godavari District
Andhrapradesh, India.**

**Moderator – Dr Rajkumar Shrinivasan, Associative Professor in the School of Computer Science and
Engineering, VIT University Chennai.**

Emceed & Vote of thanks: Ms Poorva Wagh

(Signature)

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Session 2:

Topic: Fuzzy Mathematics and its importance in Technology

Resource Person – Dr P. K. Sharma, Associative Professor, Post Graduate Department of Mathematics, D.A.V College, Jalandhar Under Guru Nanak Dev University, Punjab, Since 1994.

Moderator – Dr Ajit Maslekar

In-charge Principal, Adarsh Shikshan Prasarak Mandal's, K. T. Patil College of Computer Science, Osmanabad.

Emceed & Vote of thanks: Ms Sharvari Ramteke

Day 2:

SATURDAY 09th September 2023

Session 1:

Topic: Transforming urban mobility: The role of intelligent transport system

Resource Person: Dr. Varun Chand H, Assistant Professor, Department of Computer Science & Engineering, College of Engineering Perumon, Kollam, Kerala

Moderator : Dr S. B. Kishor, Head of IHLRSS (Institute of Higher Learning Research & Specialized Studies), Computer Science, S.P. College, Chandrapur, Maharashtra, India

Emceed & Vote of thanks: Ms Kalyani Bawangarh

Paper Presentation:

Reviewer: Prof.(Dr) Keshao Kalaskar professor and head department of computer science Ambedkar College, Chanadrapur (MH).

Emceed & Vote of thanks: Ms. Priya Godbole

Valedictory Function

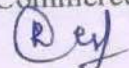
Speaker/Guest: Dr Vivek Nanoti, Director (Engineering) LTJSS Priyadarshini Group of Institution, Nagpur, India

Guest of Honor: Ms Abhilasha Gudadhe CEO, Prerna Sewa Mandal, Nagpur

Chair Person : Dr Pravin Joshi Director, Dr S. C. Gulhane Prerna College of Commerce, Sci & Arts, Nagpur, India

Remark: Dr Liladhar Rewatkar Off. Principal, Dr S. C. Gulhane Prerna College of Commerce, Sci & Arts, Nagpur

Emceed & Vote of Thanks By : Shivani Mesawat and Priyanka Chandawar


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Objectives: -

- To disseminate new knowledge, research findings, and innovations to the academic and professional communities.
- To bring researchers and professionals together from different disciplines to encourage interdisciplinary collaboration and the application of computer science principles in various fields.
- To provide a platform for researchers to have their work reviewed by peers and experts in the field of AI, ML and Data Science.
- To provide opportunities for researchers, professionals, and students to network with others who share their interests which lead to collaborations on future research projects, joint ventures, and partnerships.
- To feature keynote speeches, panel discussions, and presentations by leading experts in the field.
- To inspire attendees and stimulate innovative thinking by exposing them to new ideas and perspectives.
- To acquire new skills, learn about the latest tools and technologies, and gain practical knowledge that can be applied in their work or research.
- To bridge the gap between research and practical applications, fostering collaboration between academia and industry.
- To highlight emerging trends and technologies in computer science it helps attendees stay informed about the latest developments and adapt to changing landscapes in the field.
- To publish research paper that includes accepted papers and presentations. This publication can help researchers and authors establish a record of their work and contribute to the academic literature.

Highlights:-

Inaugural Ceremony

1. On the day, Ms. Neha Samudre welcomed and introduced the chief guest of the program Dr Ravi Inder Singh, the guest of honor Dr Pravin Joshi and The chairperson, Dr S. C. Gulhane.
2. Dr Pravin Joshi made an introductory remark by explaining the advancements of Artificial intelligence and computer science.
3. Dr Ravi Inder Singh explained not only about the new technology advancement but also explained about the speculations about Artificial intelligence. His talk made faculty members aware about the future scope of artificial intelligence.
4. Finally, Vote of thanks proposed by Ms Priyanka Chandawar

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Day 1 (Friday 8th September 2023)

Keynote Session

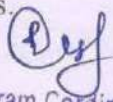
1. Ms. Shiwani Mesawat welcomed and introduced the chief guest Dr P. L. Chithra of the program. Dr P. L. Chithra explain the topic "Deep learning models for 3D Medical Image Processing" dynamically and also elaborated the Image visualization, Deep learning and Neural network.
2. She explained the role of Convolutional neural network, U-net, V-net, 3D DenseNet.
3. She explained the 3D medical images, it's crucial to consider the dataset size, data preprocessing, and task-specific requirements when selecting a deep learning architecture.
4. She added the Graph-based models also it can be used for tasks like 3D medical image registration, where the data can be represented as a graph of interconnected points or features.
5. Finally Vote of thanks proposed by Ms. Priyanka Chandawar.

Session 1:

1. Ms. Poorva Wagh welcomed and introduced the Resource person Dr M. Prasad and Moderator Dr Rajkumar Shrinivasan
2. Dr M. Prasad explained topic 'Visualizing the future: Trends and Innovations in Data Visualization' and he explained Interactive and Dynamic Visualizations
3. He also explains, data visualizations are becoming more interactive and dynamic, allowing users to explore data in real-time and gain insights by interacting with the visualization.
4. He elaborates the difference between Augmented and Virtual Reality (AR/VR) and the Location-based data visualization is gaining prominence, allowing organizations to analyze and communicate insights related to geographic data more effectively.
5. Interactive session was taken by Moderator, Dr Rajkumar Shrinivasan.
6. Finally, Vote of thanks proposed by Ms. Poorva Wagh.

Session 2:

1. Ms. Shravari Ramteke welcomed and introduced the Resource person Dr P. K. Sharma and Moderator Dr Ajit Maslekar.
2. Dr P. K. Sharma explain the topic "Fuzzy Mathematics and its importance in technology".
3. Hedelivered the dealing pattern with uncertainty and control systems also narrates the pattern recognition and image processing.
4. He gave the distinguish between the crisp set v/s fuzzy set with the help of some examples.
5. He also talked about fuzzy logic-based decision support systems assist in complex decision-making scenarios where factors are not easily quantifiable.
6. He also interacted with the faculty members during the session and clarified their doubts.
7. Interactive session was taken by Moderator, Dr Ajit Maslekar.
8. Finally, Vote of thanks proposed by Ms. Shravari Ramteke.


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Day 2 (Saturday 9th September 2023)

Session 1.

1. Ms. Kalyani Bawangarh welcomed and introduced the resource person Dr. Varun Chand H and moderator Dr S. B. Kishor.
2. Dr. Varun Chand H enlighten the participants with his talk on the topic "Transforming Urban mobility : The role of intelligent transport system". He enlighten the participant about the real time traffic management.
3. He also explained the efficient, sustainable, and safe transportation networks that enhance the quality of life for residents and reduce the environmental impact of transportation.
4. Dr. Varun Chand H also guide the participant the importance of traffic safety.
5. Hon'ble Moderator Dr S. B. Kishor summed up the session by adding the transport system smartness in urban areas.
6. Finally Vote of thanks proposed by Ms. Kalyani Bawangarh.

Paper Presentation.

1. Ms Priya Godbole welcome and introduce the reviewer Prof.(Dr) Keshao Kalaskar.
2. The presenters present there topics on the following themes:
 - 1) Dr Soumya Varghase - Digital Twins From The Perspective Of Educational Technology
 - 2) Narendra Padole- Study and Analysis of Database developed on Covid-19 Pandemic using Machine Learning and Cloud Computing
 - 3) Shalini Saxena - The Dark Side of Artificial Intelligence: Recognition & amp amp Prevention.
 - 4) Ms Brinda K and Dr. E.Ramadevi - A novel hybrid approach for sentiment Analysis using machine Learning
 - 5) Shambhavi Holey - Analyzing Marathi Character Recognition Techniques: A Comprehensive Review.
 - 6) Vina Gautam - Decoy System-Based Approaches for Data Protection in Fog Computing : A Comprehensive Literature Review
 - 7) Ms Rupali Surve - Elevating Weather Prediction for Recurrent Neural Networks and Long Short-Term Memory Models
 - 8) Ms Priyanka Chandawar - Integration of machine learning AI and Block Chain Technology for IoT Data authentication
 - 9) Mr C.S.Tople - A Review Of Applications, Methods, And Problems Related To Sentiment Analysis.
 - 10) Dr Manjiri Pathak – An analytical study of growth of E-Commerce Business in India in new normal
 - 11) Dr Bharti Deshmukh – Navigating Digital Transformation: Analyzing the impact of IT Disruptions on Business Agility and Competitive Advantage

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- 12) Dr L.R.Rewatkar – Artificial Intelligence , machine learning , data science : interdependency-A review
 - 13) Ms Neha Samundre - Smart Health Monitoring using IoT and Machine Learning in Remote Patient Care during the Pandemic and Beyond
 - 14) Ms Poorva Wagh – An analysis in working of artificial intelligence in IoT to collect data
 - 15) Ms Priya Godbole - Cognitive convergence: exploring artificial general intelligence (agi), perspectives and multimodal model applications
3. The presenters present their research work according to the theme of the conference and enlighten the participants.
 4. The reviewer Prof.(Dr) Keshao Kalaskar effectively gave there review on each presentation and also guide aspiring researcher.
 5. Vote of thanks were proposed by Ms Priya Godole.

Valedictory Function:

1. On this occasion, Ms Shivani Mesawat welcomed and introduced the chief guest Dr Vivek Nanoti Guest of Honor, Ms Abhilasha Gudadhe and Chair Person, Dr Pravin Joshi of the programme.
2. Chief guest Dr Vivek Nanoti explains the importance of technology in human life.
3. Ms Abhilasha Gudadhe stated that the purpose of conferences is to bring together people who hold similar views from throughout the country or the world in order to educate, discuss, share ideas, generate new ideas, and inspire motivation.
4. Dr Liladhar Rewatkar officiating principle made remark about the conference.
5. Feedback were given by participants.
6. Finally Vote of thanks proposed by Priyanka Chndarwar.

❖ **Outcome: -**

1. The faculty members learned about the most modern benefits of technological advancement in computer science field.
2. The participants gain insights into various topics within computer science specially Artificial intelligence , machine learning and data science.
3. They gained knowledge of Artificial intelligence in medical field.
4. The data visualization were also understand by the participant for the presentation of data effectively.
5. The mathematical technology used in modern trend of computer science were also understand by the participants.
6. The awareness about intelligent concept of transportation in urban area were introduced.
7. Participants also learned about Cloud Computing, Data authentication , Block Chain Technology and many more.
8. Dissemination of the latest research findings and innovation in AI,ML and DS
9. The participants showcase paper publication and presentation and increase creation of a record of research work.
10. Motivate the participants inspire and motivate attendees, encouraging them to pursue new research directions.

(Signature)

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No. of Participants:

Google Meet: 100 Participants

YouTube: 253 Participants

The Glimpses of Two Day International Conference

Day 1(FRIDAY 08th September 2023)



Chief Guest Dr Ravi Inder Singh addressing the participants

Keynote Session



Keynote Session Addressed by Dr P. L. Chithra

Key

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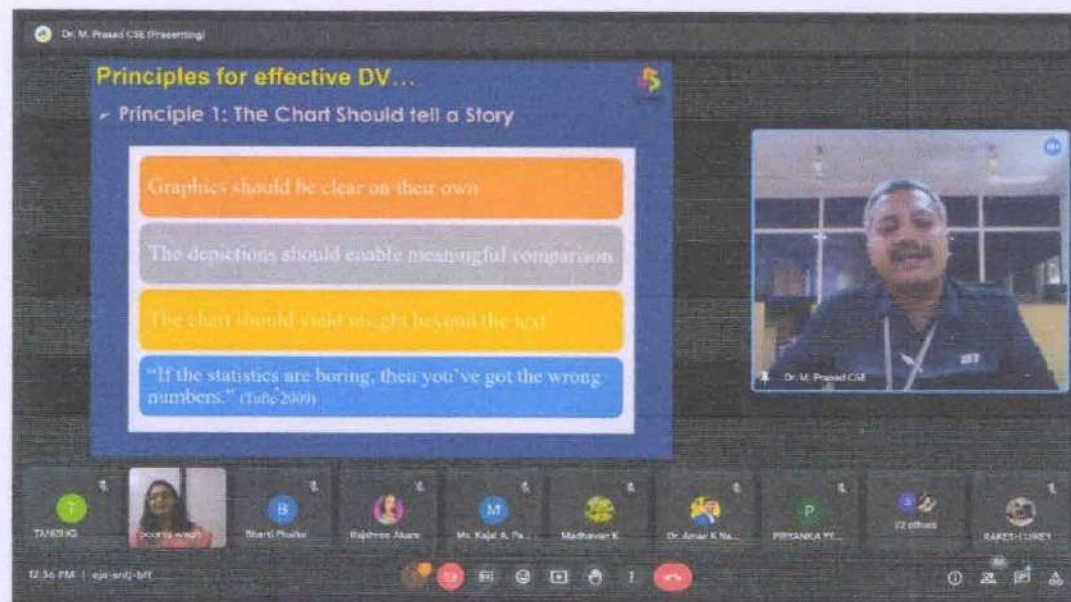
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Session 1:



Resource person Dr M. Prasad sharing enlightening participants



Moderator Dr Rajkumar Shrinivasan summing the session

Prerna

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Session 2:



Resource person Dr P. K. Sharma sharing enlightening participants



Moderator Dr Ajit Maslekar summing the session

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Day 2 (Saturday 09th September 2023)

Session 1.



Resource person Dr. Varun Chand H sharing enlightening participants



Moderator Dr S.B.Kishor summing the session

(Signature)
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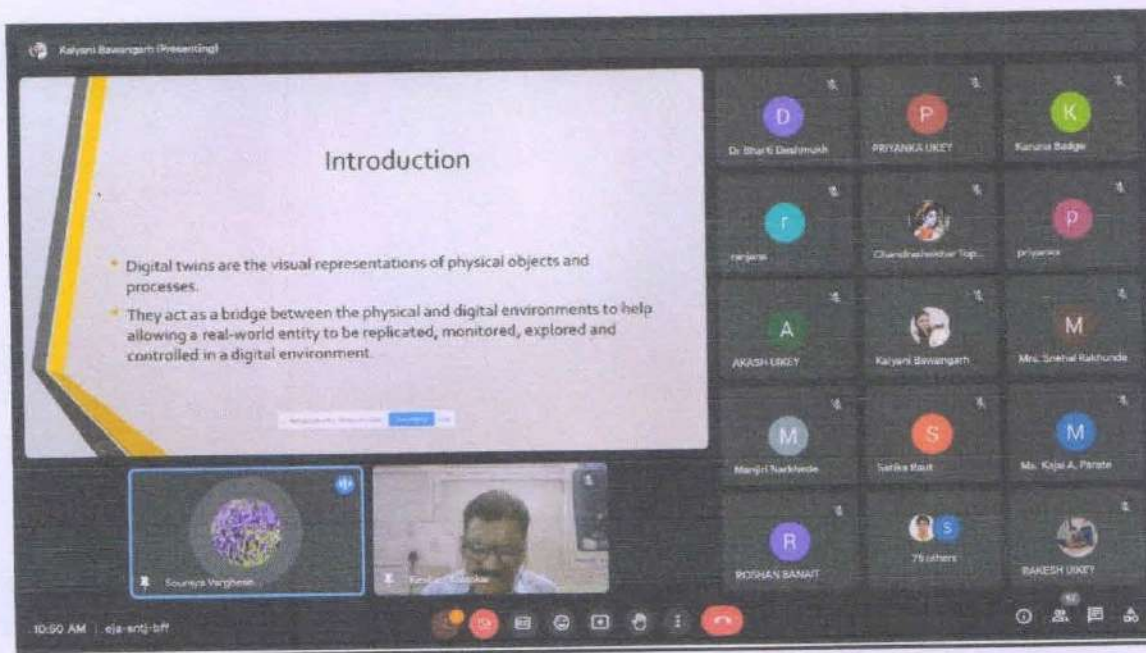
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Paper Presentation



Review of paper presentation session by Prof(Dr) Keshao Kalaskar

Valedictory function



Chief guest Dr Vivek Nanoti delivering her talk on Valedictory Function

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Valedictory note by Ms Abhilasha Gudadhe

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