Centre of Excellence in Healthcare Technologies and Informatics (CEHTI)
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REPORT ON THE WEBINAR

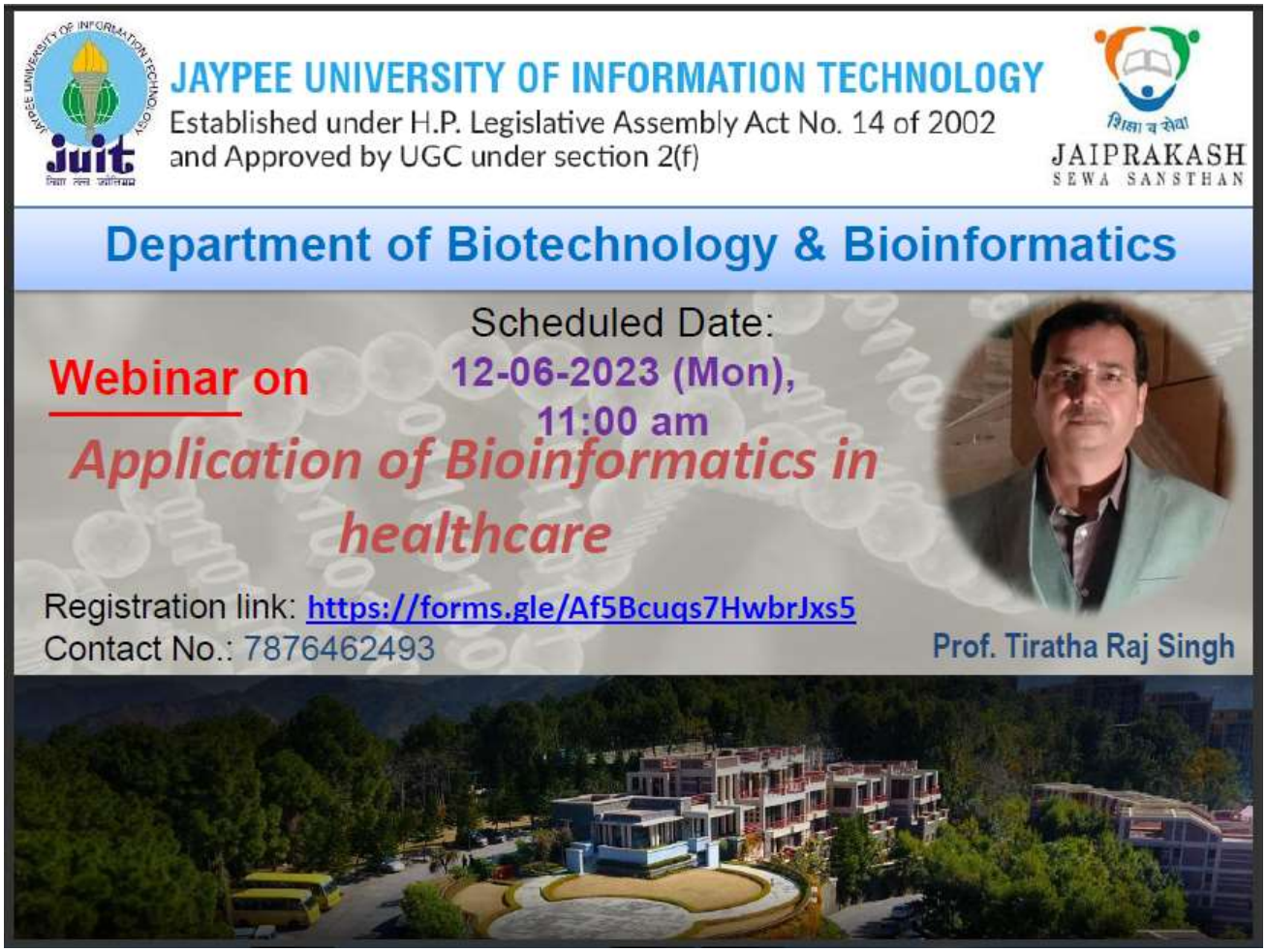
Date & Time: June 12, 2023 (Monday), 11:00 AM

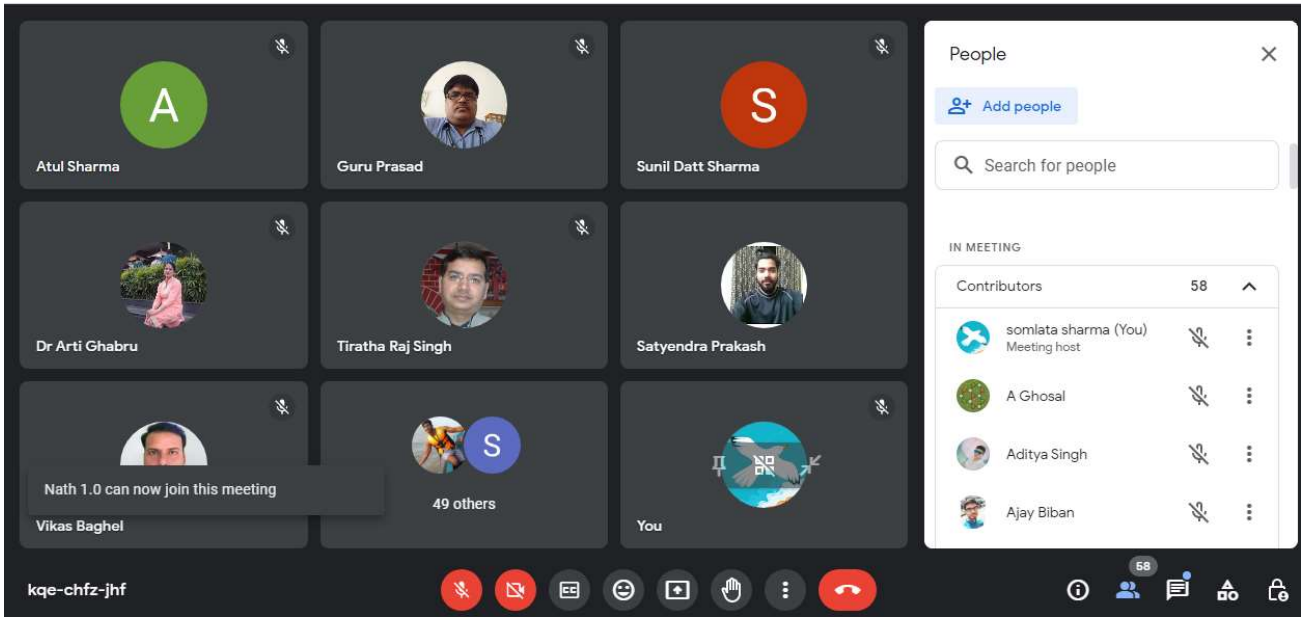
Speaker: Prof. Tiratha Raj Singh

Topic: "***Application of Bioinformatics in healthcare"***

Prof. Tiratha Raj Singh delivered a webinar on the topic "***Application of Bioinformatics in healthcare"*** on 12-06-2023 (Monday) between 11:00 AM to 12:00 Noon through the Google meet platform. The event was coordinated by Dr. Raj Kumar, Assistant Professor, Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology (JUIT), Waknaghat. Technical support was provided by Mrs. Somlata Sharma, Lab Engineer, Bioinformatics Lab, Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology (JUIT). Prof. Tiratha Raj Singh discussed about the role of Bioinformatics in medicine and healthcare sectors. He also told about the Computer-based clinical support and decision systems and their applications. He mentioned about the technologies associated with the CDSS, OMICS, System biology and Databases and their general perception, scope, and social relevance in biomedical sciences. He shared his research work that his students are doing in his Bioinformatics, Computational Genomics and Systems Biology laboratory and in the CEHTI at JUIT. The webinar was aimed towards understanding the Bioinformatics and its clinical relating contents. The contribution of these subjects towards medical science, data science, and clinical Science was specifically highlighted. The presentation

was pictorial and interactive. A total of 113 participants joined this webinar. Participants gave positive feedback by posting several messages in the chat box. Some interesting queries were asked specially by the undergraduate students which were answered by Prof. Singh after the talk. Introduction of the session and vote of thanks at the end were proposed by Ms. Nadia Ahmed, a PhD scholar in the department.




Atul Sharma
Guru Prasad
Sunil Datt Sharma
Dr Arti Ghabru
Tiratha Raj Singh
Satyendra Prakash
Nath 1.0 can now join this meeting
Vikas Baghel
49 others
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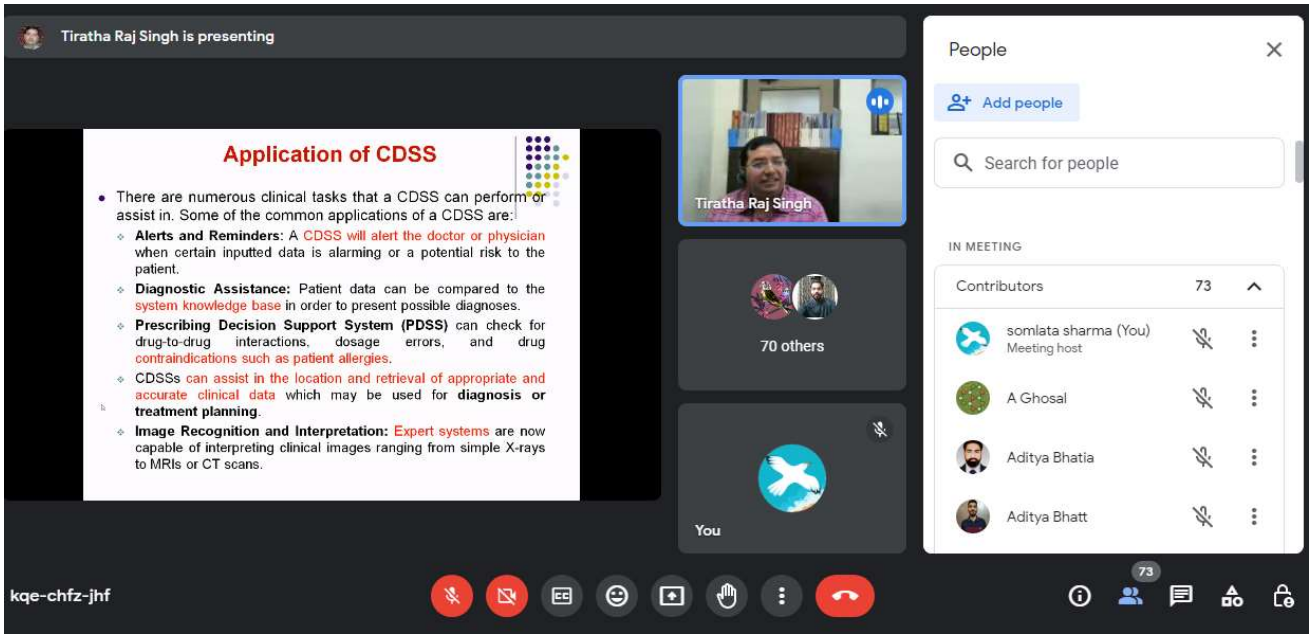
Meeting host
A Ghosal
Aditya Singh
Ajay Biban


Tiratha Raj Singh is presenting
Application of CDSS
There are numerous clinical tasks that a CDSS can perform or assist in. Some of the common applications of a CDSS are:
Alerts and Reminders: A CDSS will alert the doctor or physician when certain inputted data is alarming or a potential risk to the patient.
Diagnostic Assistance: Patient data can be compared to the system knowledge base in order to present possible diagnoses.
Prescribing Decision Support System (PDSS) can check for drug-to-drug interactions, dosage errors, and drug contraindications such as patient allergies.
CDSSs can assist in the location and retrieval of appropriate and accurate clinical data which may be used for diagnosis or treatment planning.
Image Recognition and Interpretation: Expert systems are now capable of interpreting clinical images ranging from simple X-rays to MRIs or CT scans.
Tiratha Raj Singh
70 others
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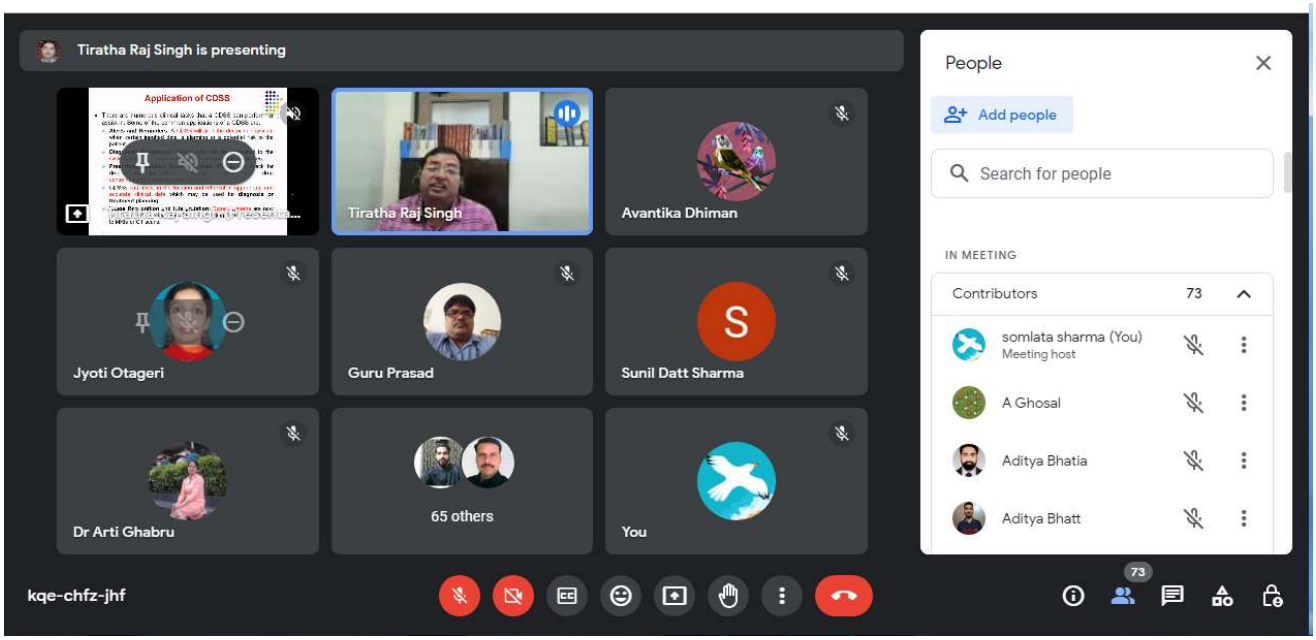
somlata sharma (You)
Meeting host
A Ghosal
Aditya Bhatia
Aditya Bhatt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Tiratha Raj Singh
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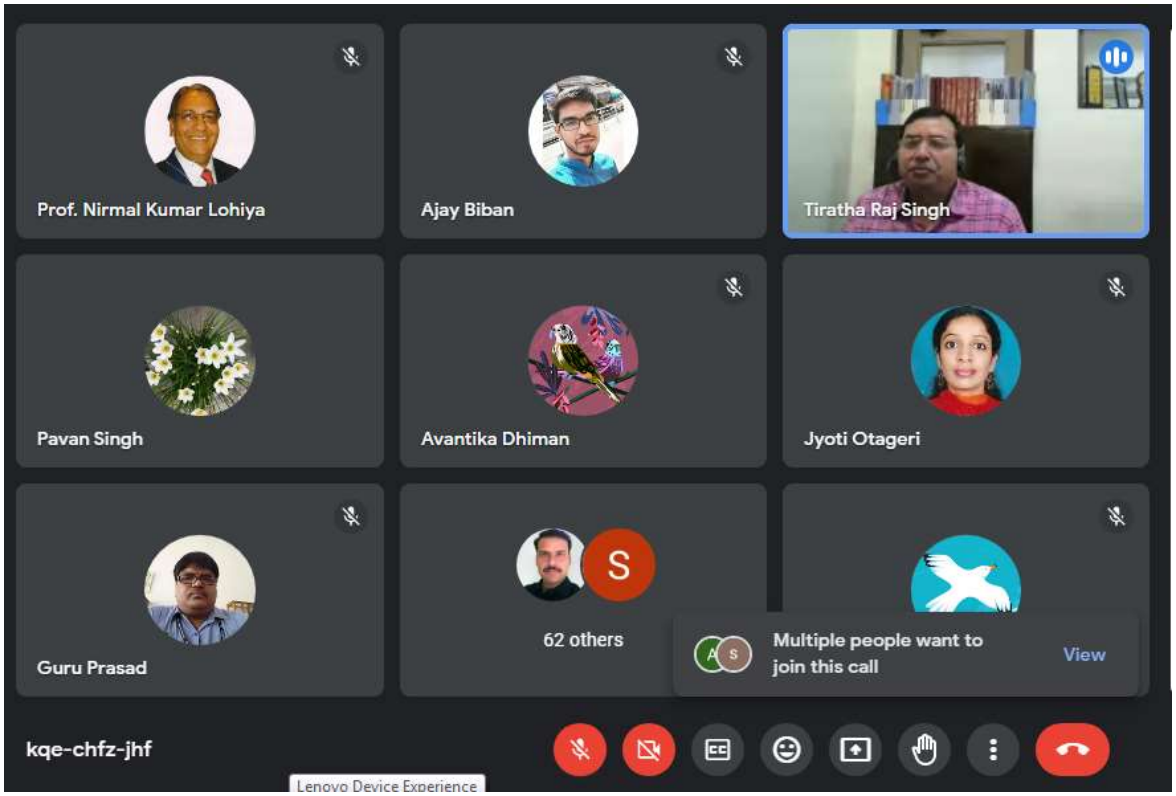
Prof. Nirmal Kumar Lohiya
Ajay Biban
Tiratha Raj Singh
Pavan Singh
Avantika Dhiman
Jyoti Otageri
Guru Prasad
62 others
Multiple people want to join this call
View
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Lenovo Device Experience

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