



NAAC ACCREDITED 'A++' GRADE COLLEGE

2022-23

Name of the Department/Society: Lumen Society

Name of the Event: International Seminar

Date of the Event: 19th December 2022

Convenor of the Department/Society: Dr. Amit Sehgal and Dr. Pradeep Kumar

Event Coordinator: Dr. Jnaneswari Gellanki

Description of the event

The department society Lumen, Hansraj College, University of Delhi organised an international seminar on 09 December 2022 in the college. Students and faculty of Physics and Electronics Department attended the programme. The seminar was organised in the Old seminar hall and some of the geo tag photographs are shared. The international seminar was organized by the departmental society LUMEN in collaboration with Internal Quality Assurance Cell (IQAC) and Research and Development Cell (RDC).

The topic of the international seminar was “International accelerator facility FAIR – the Universe in the Lab”

The speaker discussed about FAIR being a new, unique international accelerator facility for the research with antiprotons and ions which will be erected at GSI. He introduced about various teams of finest engineers and scientists that are working with a thrust to understand the evolution of the Universe 13.8 billion years






ago. He highlighted about The Republic of India MoU signed as the FAIR convention on 4 October 2010, and declared its contribution to the FAIR accelerator facility. He explained about how one can go for internship, traineeship, sandwich Ph.D. and postdoc projects which are integrated into work packages for FAIR. He

further told that GSI Helmholtzzentrum für Schwerionenforschung GmbH operates a unique large-scale accelerator for heavy ions. Researchers from around the world use this facility for experiments that help them make fascinating discoveries in basic research. He also showcased that GSI is also serving as a new form of cancer treatment facility that selectively damages tumour tissues while sparing the surrounding healthy tissues.




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Poster:



International Seminar



Prof. Dr. habil. Hans-Jürgen Wollersheim, Senior Scientist
GSI Helmholtzzentrum für Schwerionenforschung, Planckstrasse 1, D-64291 Darmstadt, Germany

International accelerator facility FAIR – the Universe in the Lab
Abstract

FAIR is a new, unique international accelerator facility for the research with antiprotons and ions which will be erected at GSI. Various teams of finest engineers and scientists are working with a thrust to understand the evolution of the Universe 13.8 billion years ago. The Republic of India signed the FAIR convention on 4 October 2010, and declared its contribution to the FAIR accelerator facility. All internship, traineeship, sandwich Ph.D. and postdoc projects are integrated into work packages for FAIR. That means that you will literally get involved with FAIR, one of the most exciting research projects on the globe. GSI Helmholtzzentrum für Schwerionenforschung GmbH operates a unique large-scale accelerator for heavy ions. Researchers from around the world use this facility for experiments that help them make fascinating discoveries in basic research. In addition, they continually develop new and impressive applications. GSI is the birthplace of a new form of cancer treatment that selectively damages tumor tissues while sparing the surrounding healthy tissues. An overview of the experimental technique will be given and outstanding results will be discussed.

by
Lumen Society
Department of Physics and Electronics
Hansraj College, University of Delhi
under the aegis of Research and Development Cell and IQAC

Date & Time: December 09, 2022 12Noon
Venue: Old Seminar Hall, Hansraj College

Dr Amit Sehgal
Convener

Dr Pradeep Kumar
Co-Convener

Dr Jaaneswari Gellanki
Coordinator

Ms Alka Kacker
Director, RDC

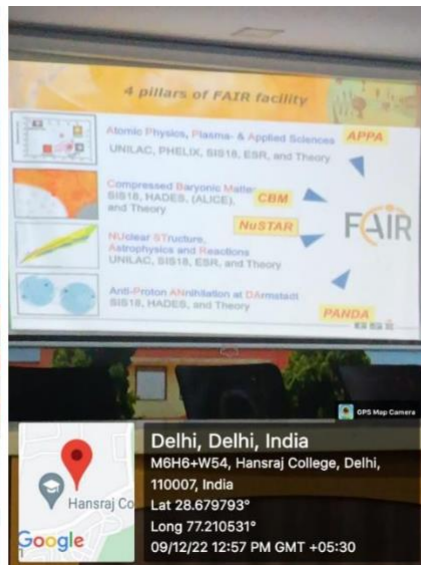
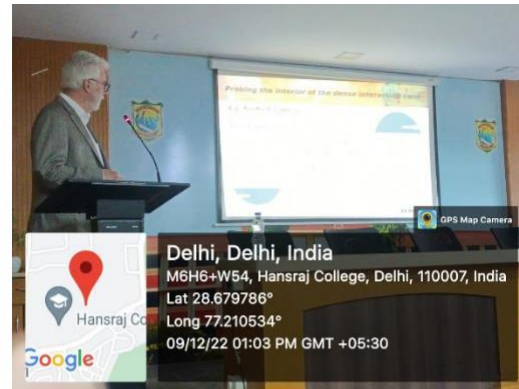
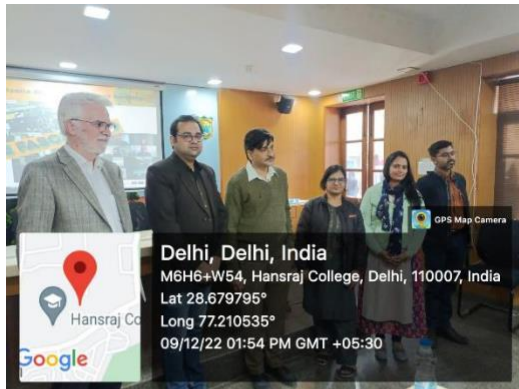
Dr Mona Bhatnagar
Director, IQAC

Prof Rama
Principal



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Glimpses:





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List of participants

Name		Name	
Harsh	Student	Amrish Patel	Faculty
Anoop	Student	Anshuman Tripathi	Student
Atul Kumar	Student	Ruchika Rani	Student
Shubham Shinde	Student	Simran panwar	Student
Vinay kumar	Student	Kartik singh	Student
Anupam Choudhary	Student	Avan Singh Shekhawat	Student
Abhishek	Student	Rajender Prasad Tiwari	Faculty
Deepanshu	Student	Ayush Bhardwaj	Student
Sachin Solanki	Student	Amit Sehgal	Faculty
Divesh Sevda	Student	Chetana Jain	Faculty
Akriti Vishwas	Student	Jnaneswari Gellanki	Faculty
Hitesh Kumar	Student		
SOURAV MAJI	Student		
Deepak Kumar	Student		
Aditya Kumar	Student		
Vivek Maurya	Student		