

Organised Guest Lecture 2021-22

Minutes of the Meeting September 2021

SCHOOL OF PHYSICS, DEVI AHILYA UNIVERSITY, INDORE

Minutes of the Departmental Meeting held on 13 September 2021 at 01:00 P. M.

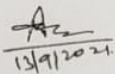
Departmental Meeting was held on 13 September 2021 at 01:00 P. M. in Head's Office.

During meeting all the norms and/or protocol laid-down for COVID-19 (including wearing mask(s), maintaining safe distance, use of sanitization etc.) were maintained

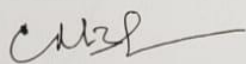
Following points were taken up and / or discussed:

- HOD informed all the faculty members about the order no. 704/cc/2021/38, dated 09.09.2021, of Department of Higher Education, M. P. Government, Bhopal about offline classes, applicable from 15 September 2021. After discussions, it was decided to start offline practical, with at a time physical presence of 50% students in the laboratory, to be able to maintain proper social distancing.
- Currently, theory classes will be held in online mode only.
- Students of M. Sc. III Semester will be asked for their choice for doing project or practical, which will be continued till IV semester.
- Examination timetable for the forthcoming tests, as well as semester examination was finalized, and soon it will be distributed to all the faculty members.
- School of Physics, DAVV, Indore has started "Azadi Ka Amrit Mahotsav Popular Lecture Series", and the Inaugural talk will be given by Dr. Anand Moorti, SOH, Head, Advanced Plasma Acceleration Section, RRCAT, Indore. Lecture topic: Fascinating advanced science and technology of accelerating particles to high energies, Date: 15 September 2021, Time: 11.00 AM, via Google meet (link: nqe-gszc-bus).

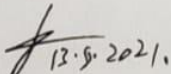
Dr. A. Mishra, Prof. & Head


13/9/2021

Dr. G. Mishra, Professor



Dr. S. N. Kane, Professor


13.9.2021.

Dr. Y. Choyal, Professor



Online Organized Guest Lecture

- 1. Guest Lecture organized by School of Physics on 15 Sep 2021 (75th Azadi ka Amrit Mahotsav)_coordinator Prof. (Dr.) G. Mishra**

Invited Speaker: Dr. Anand Moorti, SOH, Head, Advanced Plasma Acceleration Section, RRCAT, Indore.

Title of the talk: Fascinating advanced science and technology of accelerating particles to high energies.

SCHOOL OF PHYSICS
 DEVI AHILYA VISHWAVIDYALAYA, INDORE
 (NAAC Accredited A+ State University)

School of Physics-DVVU announces popular lecture series on various advanced topics of physics. The inaugural talk will be delivered by Dr. Anand Moorti, SOH, Head, Advanced Plasma Acceleration Section, RRCAT, Indore. He is also Professor at Atom, Sharada National Institute, Department of Atomic Energy, CAES, Mumbai.

Topic: Fascinating advanced science and technology of accelerating particles to high energies
Speaker: Dr. Anand Moorti
 RRCAT, Indore

Date, Time : 15-09-2021, 11 AM Google meet : nqz-gszc-bus

- 2. Guest Lecture organized by School of Physics on 18 Sep 2021 (75th Azadi ka Amrit Mahotsav)_coordinator Prof. (Dr.) Y. Choyal**

Invited Speakers:

- 1. Dr. Kailash Sati, Scientists F (Associate Director) Center for High Energy Science and Systems (CHESS) Hyderabad DRDO, Ministry of Defense.**

Title of the talk: Defense Applications of Lasers.

- 2. Dr. Sandeep Maity, Chief Scientist (Sensor and Analytics) GE/ Baker Hughes, 70+ patents**

Title of the talk: Photonics: Industrial 4.0 perspective and outlook.

- 3. Shri Anant Deshpande, Director and owner, Trokut solutions Pvt Ltd, Mumbai**

Title of the talk: Industrial laser market scenario in India.

- 4. Dr. Mukesh Javeria, Sr. Scientist and Assist. Professor (AcSIR), National Physical Laboratory, New Delhi.**

Title of the talk: Careers in Physics.

SCHOOL OF PHYSICS
 DEVI AHILYA VISHWAVIDYALAYA, INDORE
 (NAAC Accredited A+ State University)

An interactive session with the experts in Laser Science who are alumni of School of Physics, DVVU has been organized. Speakers will talk on the emerging technological areas and the role of scientists and engineers trained in photonics and lasers in the emerging world. The time, date and the google meet for this session is as follows.

Date, Time : 18-09-2021, 1:00 pm on 18th September 2021, Google meet ID : yau-4ak-4jo

List of Speakers:

- 1. Dr. Kailash Sati,**
 Scientist F (Associate Director) Center for High Energy science and Systems (CHESS) Hyderabad DRDO, Ministry of Defense.
 One of the top scientists in laser science has been from his research. His technology is used for a wide range of applications including medical sciences, military, industrial applications, biological, diagnostic and much more. His major research is on laser based systems for a directed energy laser weapon. His high density energy and multiple directed energy laser systems are also used in laser communications, laser based systems for defense, laser based systems for industrial applications and other applications. He is also a speaker at various international conferences and seminars.
- 2. Dr. Sandeep Maity,**
 Chief Scientist (Sensor & Analytics) GE/ Baker Hughes, 70+ patents
 He has 70+ patents in his name and has been working in the field of laser based systems for a long time. He is currently working in the field of laser based systems for industrial applications. He is also a speaker at various international conferences and seminars.
- 3. Shri Anant Deshpande,**
 Director and owner, Trokut solutions Pvt Ltd, Mumbai
 One of the top industrial laser market scenario in India.
- 4. Dr. Mukesh Javeria,**
 Sr. Scientist and Assist. Professor (AcSIR) National Physical Laboratory, New Delhi
 He has been working in the field of laser science and technology for a long time. He is currently working in the field of laser based systems for industrial applications. He is also a speaker at various international conferences and seminars.

3. Guest Lecture organized by School of Physics on 09 Oct 2021 (75th Azadi ka Amrit Mahotsav)_coordinator Prof. (Dr.) S. N. Kane

Invited Speakers:

1. **Shri Shesh Nath Singh**, SOH, Head, Accelerator Magnet Technology Division (AMTD) Raja Ramanna Centre for Advanced Technology (RRCAT), Indore

Title of the talk: Power Power Everywhere

2. **Dr. Kailash Ruwali**, SOG, Accelerator Magnet Technology Division (AMTD) Raja Ramanna Centre for Advanced Technology (RRCAT), Indore

Title of the talk: Magnets for Accelerators.



DEVI AHILYA VISHWAVIDYALAYA, INDORE
(NAAC Accredited A+ State University)
SCHOOL OF PHYSICS



"Azadi Ka Amrit Mahotsav" popular lecture series, organized by School of Physics, Devi Ahilya Vishwavidyalaya, Indore announces two lectures by prominent scientists from Raja Ramanna Centre for Advanced Technology (RRCAT), Indore:

Time 11:00 A. M. – 01:00 P. M., On 9th October 2021, Google meet ID : poa-orba-upp

Today's Eminent Speakers

1. Shri Shesh Nath Singh, SOH, Head, Accelerator Magnet Technology Division (AMTD) Raja Ramanna Centre for Advanced Technology (RRCAT), Indore

Topic of the lecture : Power Power Everywhere

Abstract: This lecture will be a general lecture outlining the importance and ubiquity of power supplies. It will introduce a general meaning of 'power supply' and try to make the audience feel that power supplies are part of almost every electrical/electronic system. The core of the lecture will be about various types of power supplies and their characteristics.

About Shri Shesh Nath Singh: Shri Shesh Nath Singh is an electrical engineer from Regional Institute of Technology, Jamshedpur (RIT Jamshedpur, at present). He completed his BE in 1987 and joined BARC training school at Mumbai. After completing one year orientation course there, he was appointed at Raja Ramanna Centre for Advanced Technology Indore where he was responsible for design, development and operation of various power supplies for particle accelerator magnets. From 2016, he is heading Accelerator Magnet Technology Division (AMTD) which is responsible for design, development and deployment of various types of magnets for particle accelerators.



2. Dr. Kailash Ruwali, SOG, Accelerator Magnet Technology Division (AMTD) Raja Ramanna Centre for Advanced Technology (RRCAT), Indore

Topic of the lecture : Magnets for Accelerators

Abstract: This lecture will be a glimpse of importance of magnets for accelerators. Basic outline and introduction to various type of magnets used in accelerators will be covered along with the design, fabrication and magnetic measurement techniques.

About Dr. Kailash Ruwali: Kailash Ruwali did M.Sc. (Physics) from DAVV, Indore in 1994 and joined RRCAT in October 1994. He did his Ph.D. from The Graduate University for Higher Studies, SOHNDAI, Shonan Village, Hayama, Kanagawa, Japan. He is involved in the design and characterization of magnets for various projects at RRCAT viz. Indus-1, Indus-2, Free Electron Laser, Agricultural Radiation Processing Facility and also for other institute.



Faculty: School of Physics, Devi Ahilya Vishwavidyalaya, Indore

 Dr. A. Mishra Prof. & Head	 Dr. G. Mishra Professor	 Dr. S. N. Kane Professor, Coordinator	 Dr. V. Choyal Professor
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