

PHYSICS: 2019-2020

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1) National Seminar— National Seminar on Laser Dynamics and Fiber Optics (NSLDFO'20).

The Department of Physics in collaboration with the department of Electronics organized the “National Seminar on Laser Dynamics and Fiber Optics” (NSLDFO'20) on 7 th January 2020. The objective of NSLDFO'20 was to provide the participating students, faculty and industrialists a platform to understand and recognize latest developments in the field of Lasers and Fiber Optics.

No of Participants- 275

Resource Person: The seminar started with the talk by guest of honour Prof. Ajoy Ghatak (Retd. Professor, IIT Delhi) Meghnad Saha Fellow of National Academy of Sciences, India accompanied by the keynote address by Prof. Rupamanjari Ghosh: Vice-Chancellor, Shiv Nadar University; Mr. Atul Bhardwaj: Scientist E, LASTEC, DRDO; Prof. M.R. Shenoy and Prof. R.K. Varshney; Department of Physics, IIT Delhi.



NATIONAL SEMINAR

on

LASER DYNAMICS AND FIBER OPTICS

(NSLDFO' 20)

7th January 2020

Organized by

Department of Electronics & Department of Physics
Shaheed Rajguru College of Applied Sciences for Women
 University of Delhi



Patron
Dr. Payal Mago

Convener
Dr. Alka Vohra Kasur
Ms. Venika Gupta

Secretary
Ms. Preeti Singhal

Organizing Committee
 Mr. Monika Tyagi
 Ms. Souis Ahlawat
 Dr. Neha Karyal
 Mr. Surbhi Aggarwal
 Mr. Deepak Jainwal
 Dr. Manoj Kumar Jainwal
 Mr. Gimmilen Touthang
 Dr. Ashok Kumar
 Dr. Rashmi Verma
 Mr. Basant Saini
 Dr. Rajan Goyal
 Dr. Kirhan Das
 Dr. Pooja Sharma
 Mr. Amit Kumar
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Venue:
 Auditorium
 Shaheed Rajguru College of
 Applied Sciences for Women
 University of Delhi
 Vasantkhara Enclave

Guest of Honor
PROF. AJOY GHATAK
 Meghnad Saha Fellow of National Academy of Sciences, India
 Formerly Professor, Department of Physics, IIT Delhi

Keynote Address
PROF. RUPAMANJARI GHOSH
 Vice Chancellor, Shiv Nadar University

Speakers
MR. ATUL BHARDWAJ
 Scientist E, LASTECH, DRDO

PROF. M.R. SHENOY
 Department of Physics, IIT Delhi

PROF. R.K. VARSHNEY
 Department of Physics, IIT Delhi

The objective of NSDLFO'20 is to provide the participating students, faculty and industrialists a platform to understand and recognize latest developments in the field of Lasers and Fiber Optics. Leading academicians and scientists will share their expertise and knowledge with the participants. This seminar is organized by Department of Electronics & Department of Physics of Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.

REGISTRATION DETAILS

	Students (UG-PG)	Research Scholars	Faculty/Industry
Registration Fees:	Rs. 150	Rs. 200	Rs. 300

For Registration :
<https://shaheedrajgurucollegeofappliedsciencesforwomen.du.ac.in/NSDLFO2020/>



2) Workshop—Basic and Applied Sciences for the student of class XI & XII.

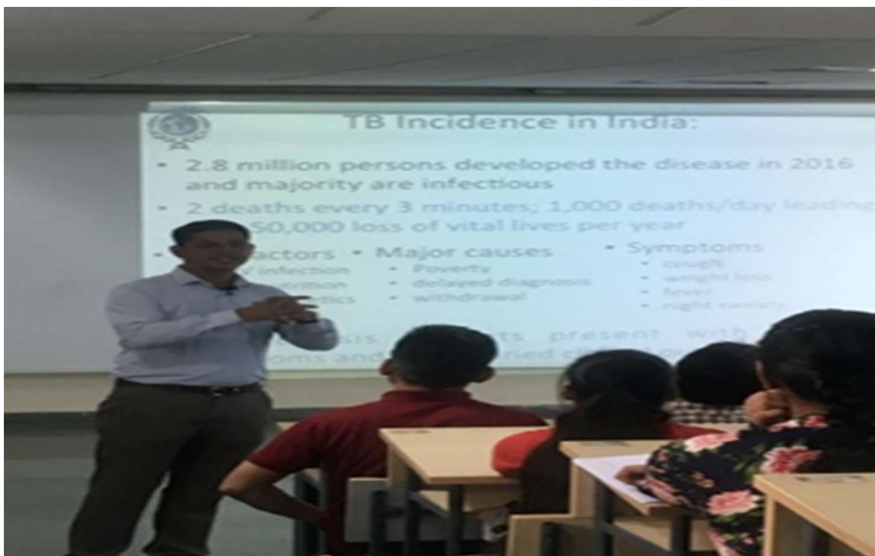
A workshop on “Basic and Applied Sciences” was organized by Department of Physics, Chemistry, Computer Science and Microbiology from 17th – 26th June 2019 for the students of Class XI and XII

No. of students – 50 approx



3) **Seminar: E – nose to smell Tuberculosis**

on 3rd September 2019 the Department organized a talk on “**E – nose to smell Tuberculosis**”, delivered by **Dr. Ranjan Nanda**, Group leader, Translational Health Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), Delhi.



4) **Technical Fest – TRAP-19**

The Physics society TACHYONS organized its Annual Technical Fest TRAP – 2019 in collaboration with Department of Mathematics, Chemistry and Statistics on 3rd – 4th October 2019. The event started on 3rd October 2019 with a talk by Mr. Alok Bansal, an expert career counsellor and mentor; followed by another talk on the topic —Everything about Relationships by Mr. Hanrjas Singh TeDx Speaker, Life Skills Coach and author. A bouquet of scientific activities and fun games namely **Quizzigar 2.0** – the science quiz competition, **Best out of E – waste**, **Walk the Plank** and **Quick Buckers** were organized under.

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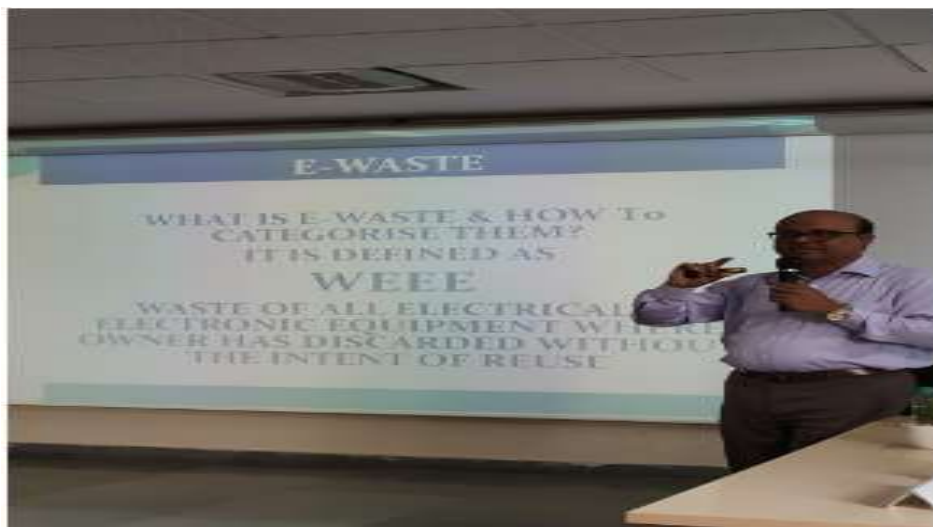


- 5) **Seminar: Physics and Mathematics of Bacterial Cell Growth and Division**
On 4th October 2019, a talk was organized on the topic “**Physics and Mathematics of Bacterial Cell Growth and Division**” by Prof. Sanjay Jain, Head of the Dept. of Physics and Astrophysics, University of Delhi. At the end of the talk students were able to learn how a physicist can conceptualize a data given by a biologist.



- 6) **Seminar: E-waste: Hazardous Effects and Recycling Process**
The department under the aegis of IQAC organized a talk on 21st October 2019, on “**E-waste: Hazardous Effects and Recycling Process**” by Mr. Shekhar Sharma, CEO Hindustan E-waste Management and Mr. Ravi Bhushan.

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7) Educational Trip: Nehru Planetarium, New Delhi

An educational trip to Nehru Planetarium, New Delhi was organized for the students of B.Sc. (H) Physics, II year on 22nd January 2020. It was an interactive session with the Director of Nehru Planetarium, Dr. N. Rathnasree who enlightened students with the basics of visual astronomy.

No of Students visited: 47 approx



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8) **Lab Visit: Inter University Accelerator Centre (IUAC), New Delhi**

Department organized an educational visit to Inter University Accelerator Centre (IUAC), New Delhi on 28th January 2020 for the students of B.Sc. (H) Physics, I year.

No of Students – 38 approx



9) **Social Initiative: E-Collection Drive**

Department constituted **E – collection committee** under the supervision of **Dr. Alka Vohra Kuanr (convener)**, **Dr. Ashok Kumar (coordinator)** and students of Department of Physics. The Committee started an initiative of E – collection drive within and outside the college in collaboration with Hindustan E – Waste Management Ltd. (NGO SU – VIKAS). Under this drive, students gave wide publicity to the cause and collected about 50 kg of e – waste



10) Poster Presentation: Applications of particle accelerators for mankind: A futuristic view

10 Students of physics department, Nidhi Kandwal, Shruti Sharma, Arshiya, Sakshi Priyanka Dhiman, Divya Sharma, Swathi, Megha Rai, Mahiguhappriyaprakash, Shrijiaya Maity under the guidance of Dr. Alka Vohra Kuanr & Dr. Manoj Kumar Jaiswal presented a poster titled “**Applications of particle accelerators for mankind: A futuristic view**” on 28th February 2020 in National Science Day Program organized by Inter-University Accelerator Centre (IUAC), New Delhi.

11) Awards & Achievements:

- i) Ms. Nidhi Kandewal scored All India Rank 444 in Joint Admission Test for M.Sc, JAM-2020 and taken admission in IIT Ropar.
- ii) Ms. Pranjal scored All India Rank 350 in Joint Admission Test for M.Sc, JAM-2020 and taken admission in IIT Madras.

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