

Report of Physics Department

(2018-19)



Mehr Chand Mahajan
DAV College for Women
Sector-36, Chandigarh
www.mcmdavcwchd.in

Department Name: Physics Department

Session: 2018-19

Names of Courses offered:

1. B.Sc. (Non-Medical and Vocational)- Three year Degree Course (Semester system).
2. B.Sc. (Hons.) Physics.

FACULTY DETAILS:

1. Publications:

Permanent Faculty/ Contractual faculty	Title of Paper	Title of the Journal with ISSN	Month/ Year
Dr. Renu Bala (Permanent)	Conditions where random phase approximation becomes exact in the high-density limit	Phys. Rev. B 97 , 155147 (2018).	2018
Dr. Anterpreet Kaur (Contractual)	Subject structures in pp collisions at LHC energies	LAMBERT Academic publishing, Germany, ISBN: 9786139851515, (2018).	2018

2. Activities Organized by Physics Department:

➤ **Lectures:**

- ✓ Dr. Vivek Kumar, Assistant Professor, Centre of Medical Physics (UIEAST), Panjab University, delivered a lecture on “Nuclear Medicines and Importance of Medical Physics on 4th Oct, 2018.
- ✓ Prof. Tarlochan Kaur (PEC, Chandigarh) delivered lecture on Development of Sustainable Future for India’s Electricity Sector on 22nd Oct 2018.
- ✓ Prof. Tarlochan Kaur delivered lecture on recent challenges in Renewable Energy Sources and Smart Grid Technology on 23rd Oct 2018.
- ✓ A lecture was delivered by Dr. Babita Dosanjh (Dean, Amity University) on the topic “Time Management and Career Counseling” on 23rd Oct 2018, sponsored by Infomaths.

- **Workshops:**
- ✓ Department of Physics organized workshop on Green Good Deeds where Dr. Promila Pathak from Department of Botany, Panjab University was invited as Chief Guest on 4th Oct 2018.
- ✓ A two day workshop was organized on Power Sector Sustainability on 22-23rd Oct, 2018 sponsored by Rashtriya Uchchattar Shiksha Abhiyan (RUSA).
- ✓ A two-day hands-on skill development workshop on making 9W LED bulb and energy conservation was conducted by Physics faculty of Mehr Chand Mahajan DAV College for B.Sc. Non Med. students.
- **Experimental Demonstration:** The department of Physics of MCMDAV College organized experimental demonstration on phenomenon of light titled “Learning with Light” by Optical Devices & Systems Division and Photonics Department of CSIR-Central Scientific Instruments Organization on 17th Nov, 2018.
- **Science Fest:** On the occasion of National Science Day, Physics department organized a Science Fest where Prof. Sandeep Sahijpal, Panjab University, Chandigarh delivered a lecture on “Origin and Evolution of Solar System. Also in this fest, Career counseling cell organized a talk on “Communicating Science for all”. Dilpreet Sherwal , Senior Project Manager, Infosys , Chandigarh and Prof. Reetika Madaan, Assistant Professor, Marketing and Communication motivated the students on “Building effective resume and interviewing skills”.

3. Visits Organized by Department:

- One day visit to Pushpa Gujral Science city, Kapurthala
- One day visit to Kurukshetra University, Kurukshetra
- One day visit to Apex institute of Robotics, Mohali
- One day visit to Cream bell ice cream plant, Baddi

STUDENTS’ DETAILS

- Students made 100 LED bulbs successfully in two-day LED workshop.
- 23 students visited Apex institute of Robotics, Mohali
- 15 students visited Cream bell ice cream plant, Baddi.
- 113 students were taken to Science City Kapurthala.
- 23 students explored Kurukshetra University, Kurukshetra.
- 34 students from B.Sc.I and II (Non-Medical) participated in the experimental demonstration on phenomenon of light titled “Learning with Light.
- 200 students from various disciplines attended the lecture on Time Management and Career Counseling.
- Around 100 science students participated in activities like Poster making, Power Point Presentations and Collage making which were organized in the Science fest.

- Harleen, Roll. No. 3513574 cleared CDS (Combined Defence Service).
- Varnika Arora, Roll No. K100S65 Cracked JAM (Joint Admission test).
- Jasmine Kohli cleared GRE Physics and got admission in Northeastern University, Boston, USA for M.S. Physics.