



Miranda House

UNIVERSITY OF DELHI

Departmental Annual Report - 3

Departmental Activities: Curriculum and Beyond

Department: Physics

Year: 2018 -2019 (from 1.7.2018 to 30.6.2019)

Department Society and its Office Bearers:

President	Vice President	General Secretary	Joint Secretary	Treasurer
Manya Jha	Devika Bhatnagar	Anmolreet Kaur	Annanya Singh	KD Sehwat

Staff Advisors:

Dr Abha Dev Habib

Dr Bilasini Devi Naorem

Dr Monika Tomar



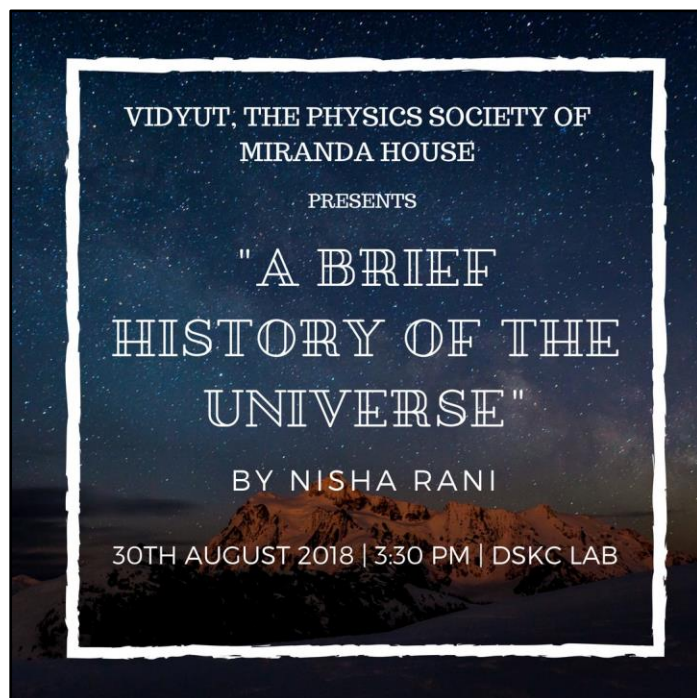
Miranda House UNIVERSITY OF DELHI

Part B.1

Seminars/conferences/workshops conducted by the Department

A seminar on 'History of the Universe' by **Dr. Nisha Rani**, Assistant Professor, Miranda House was held on 30 August, 2018. The talk acquainted the students with the concept of dark matter and the progress that has been made in that field.

No. of Participants: 50

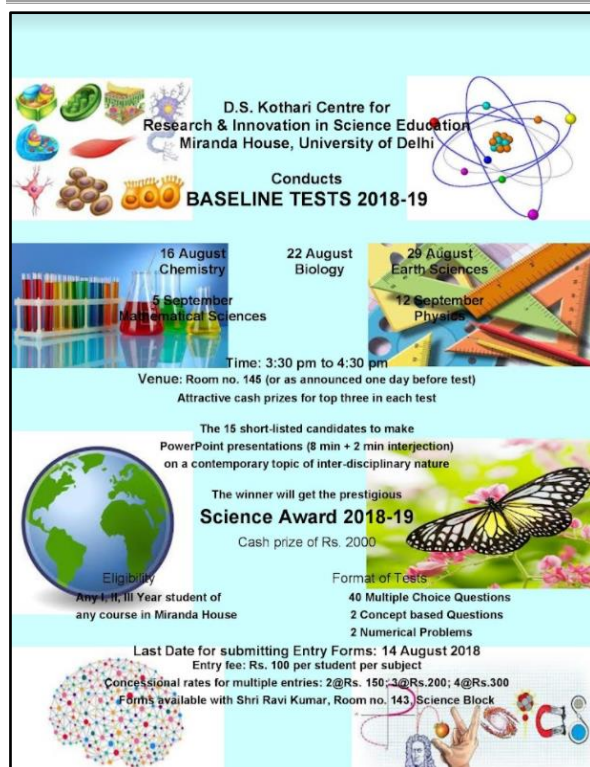


A small interaction for all first years about **DSKC and Inspire Scholarship** was organized by **Ms. Shikha Yadav**, a second-year student of Physics Department, on 11 September 2018.

No. of participants: 30



Miranda House UNIVERSITY OF DELHI



D.S. Kothari Centre for
Research & Innovation in Science Education
Miranda House, University of Delhi

Conducts
BASLINE TESTS 2018-19

16 August
Chemistry

22 August
Biology

29 August
Earth Sciences

5 September
Mathematical Sciences

12 September
Physics

Time: 3:30 pm to 4:30 pm
Venue: Room no. 145 (or as announced one day before test)
Attractive cash prizes for top three in each test

The 15 short-listed candidates to make
PowerPoint presentations (8 min + 2 min interjection)
on a contemporary topic of inter-disciplinary nature

The winner will get the prestigious
Science Award 2018-19
Cash prize of Rs. 2000

Eligibility
Any I, II, III Year student of
any course in Miranda House

Format of Tests
40 Multiple Choice Questions
2 Concept based Questions
2 Numerical Problems

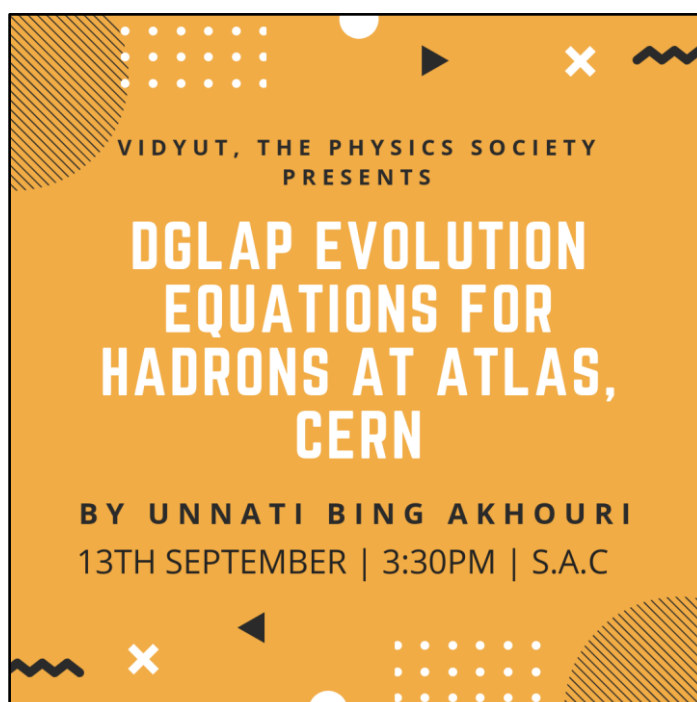
Last Date for submitting Entry Forms: 14 August 2018
Entry fee: Rs. 100 per student per subject
Concessional rates for multiple entries: 2@Rs. 150; 3@Rs.200; 4@Rs.300
Forms available with Shri Ravi Kumar, Room no. 143, Science Block

Under the aegis of **DS Kothari Centre, Physics Baseline Test** was held on 12 September 2018 for the undergraduate Miranda House students. The top three students were qualified for a presentation round required for the Science award.

A total of 45 students registered and 27 appeared for the test.

A seminar was organized on “**DGLAP evolution equations for Hadrons at ATLAS, CERN**” by **Ms. Unnati Bing Akhouri**, Former student, B.Sc. (Hons) Physics, currently a graduate school student at Pennsylvania State University. The event was conducted on 13th September, 2018.

No. of participants: 55



VIDYUT, THE PHYSICS SOCIETY
PRESENTS

**DGLAP EVOLUTION
EQUATIONS FOR
HADRONS AT ATLAS,
CERN**

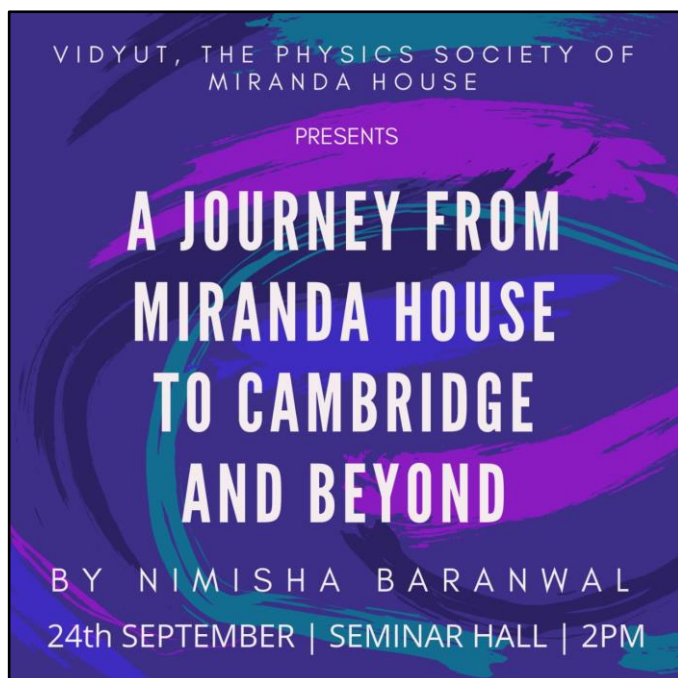
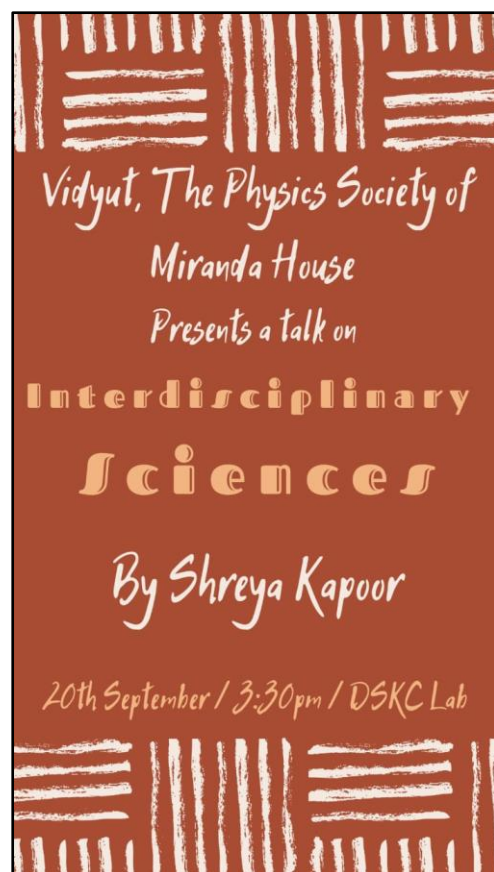
BY UNNATI BING AKHOURI
13TH SEPTEMBER | 3:30PM | S.A.C



Miranda House UNIVERSITY OF DELHI

The Physics society organized a seminar on “**Interdisciplinary Sciences**” by **Ms. Shreya Kapoor**, Former Student, B.Sc. (Hons) Physics on 20 September, 2018.

No. of participants: 50



A seminar on “**A journey from Miranda House to Cambridge and Beyond**” was conducted by the Physics Society which was addressed by **Dr. Nimisha Kumari**, Former student, B.Sc. (Hons) Physics. The event was conducted on 24th September, 2018.

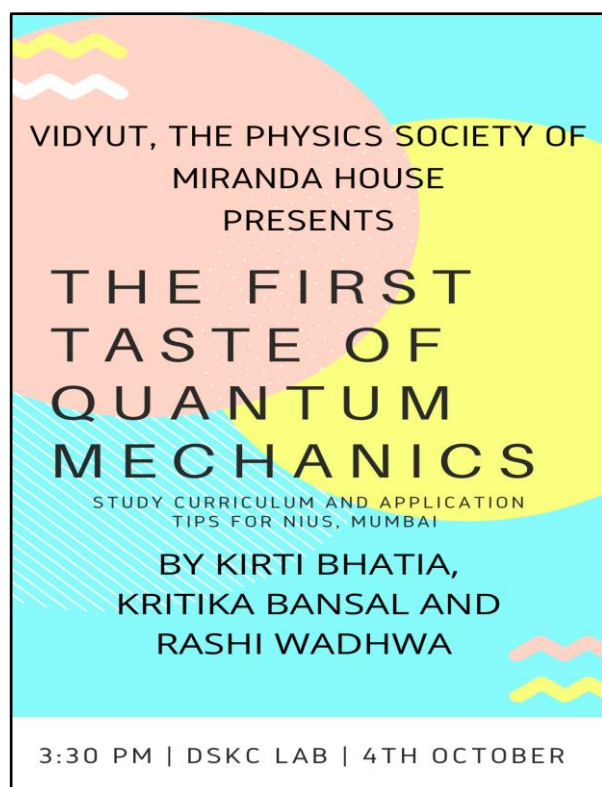
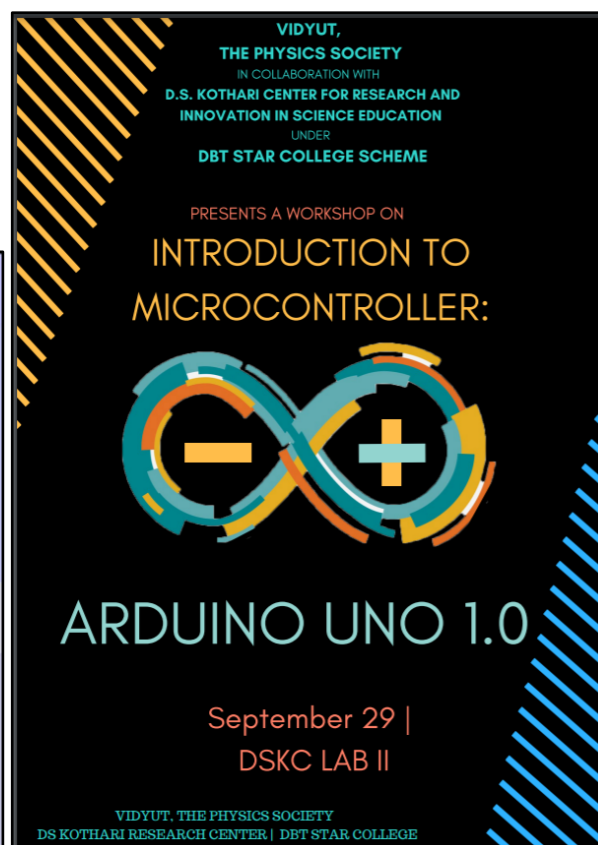
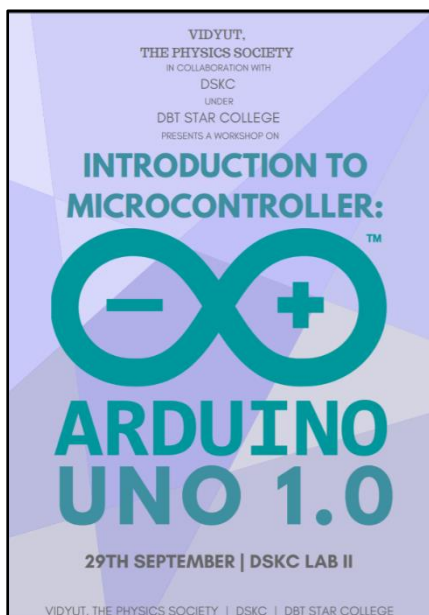
No. of participants: 120



Miranda House UNIVERSITY OF DELHI

A Workshop on 'ARDUINO 1.0' was conducted by **Ms. Himani Sahay** and **Ms. Chinkey Chachra** B.Sc (Hons) Physics, IIIrd year on 29th September, 2018.

No. of participants: 50



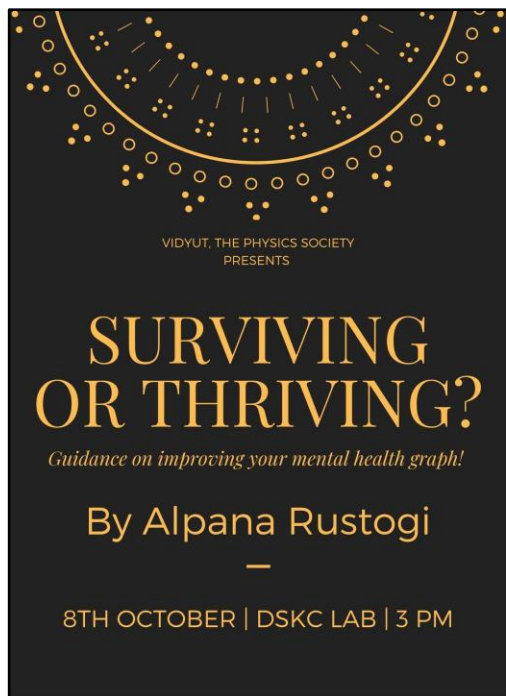
The society had organized a talk by **Kirti Bhatia, Kritika Bansal and Rashi Wadhawan** informing the department about the summer training camp in NIUS on 4th October, 2018.

No. of participants: 45



Miranda House

UNIVERSITY OF DELHI

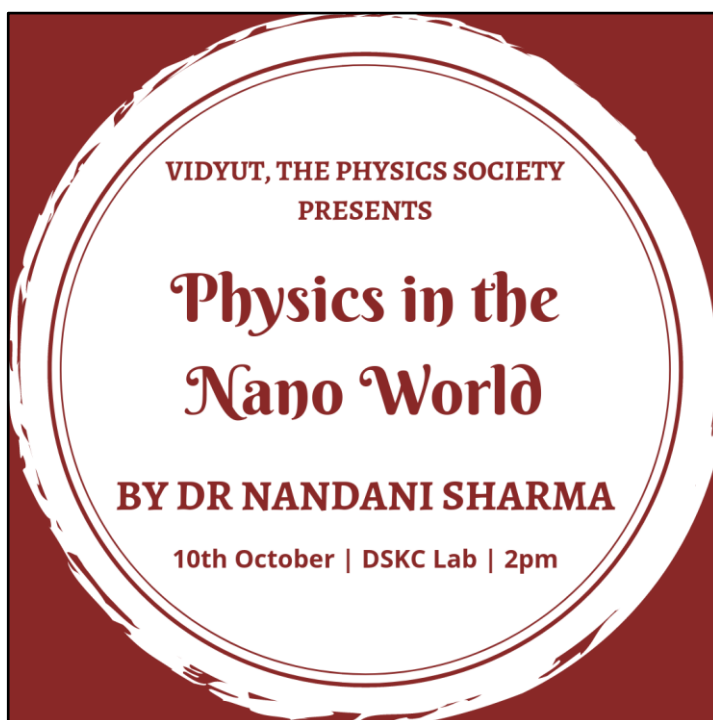


A session on mental health counseling titled “**Surviving or Thriving**” by **Ms. Alpana Rustogi**, Mental Health Counselor, Miranda House on 8th October, 2018.

No. of participants: 60

A seminar on “**Physics in Nano World**” by **Dr. Nandani Sharma**, Guest Faculty, Physics Department, Miranda House on 10th October, 2018.

No. of participants: 50





Miranda House

UNIVERSITY OF DELHI



On 10 January 2019, Vidyut conducted a workshop, '**VIGYANSHALA**' in collaboration with **University of Cambridge** and **University of Oxford** under the guidance of **Dr Darshana Joshi**. The workshop was primarily based on water cleaning techniques and the achievements of WaterScope- a startup that is being nurtured in University of Cambridge.

No. of participants: 25





Miranda House UNIVERSITY OF DELHI

Vidyut organized a **Student Interaction with the U.S. Science Envoy for Space** was organized on 8th March, 2019. Over 50 students participated in the event.



The Physics Department celebrated **National Science Day 2019** on 27 February by hosting a one-day Poster Exhibition. The Exhibition was dedicated to Dr. Pratibha Jolly, the then Principal who had brought project-based learning to the centre-stage in the college, giving boost to UG research in the College. She superannuated on 28 February 2019. Students enthusiastically shared posters of the projects which included those undertaken in the DSKC Summer Workshop 2018. Over 20 student groups exhibited their projects. It included students from other institutions also.

Over 200 students of the Physics Department and others interacted with the research groups.





Miranda House UNIVERSITY OF DELHI

Part B.2

Extension Activities organized

**D S Kothari Centre for
Research and Innovation in Science Education**
Miranda House, University of Delhi

Flavour of Research
Investigative Projects in
Multidisciplinary Contexts

Summer Workshop
(June – July 2018)

Orientation Program
Date: 7 June 2018
Physics Lab II (261)
10:00 am

Registration
Time: 9:00 am

Registration Fee
Rs.500 (DU Students)
Rs.1000 (Non DU Students)



Summer Workshop for Undergraduate Science Students, Flavor of Research: Investigative Project in Multidisciplinary Contexts held at the D. S. Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi, 7 June – 18 August 2018.

37 students successfully completed Physics projects under mentorship of the faculty members of the Department. Amongst these 31 were from Miranda House.