

ARYABHATTA SCIENCE FORUM

ODD

SEMESTER REPORT

July 2018 – November 2018

INAUGURAL:
ARYABHATTA SCIENCE FORUM(ASF)
31st August'18

On thirty first day of the month of August year 2018 the first episode of ASF was telecasted in DDUC. Under the umbrella of ASF students collaborate amongst themselves and organise talks and events like paper presentation, quizzes and trips.

The inaugural of ASF was commenced with welcoming, the guest of honor "Dr. Rajendra S. Dhaka" who was also the spokesperson of the evening, by "Dr. Mukesh Kumar" giving him honorarium. The journey took musical turn and two of the 1st year students showcased their genius. The video of the past experiences of students displayed on the day made them dove into ocean of nostalgia. Then came the real, thing the talk by Dr. Rajendra S. Dhaka sir which started as an motivational talk during which he asked questions like "What you want to be?" "How can you achieve it?". Dr.Dhaka revealed his mantra of success as "Love what you do and do what you love" which galvanized the students. Going towards his lecture on " Role of electrons in materials technology" Dr. Dhaka shared his experience on how he started from the grassroot level, his home town and reached the apex, travelling the world. The undergrad students and professors adored his knowledge which was clearly discoverable from the Q&A session. The session in itself lasted for 30minutes following which was the speech by "Dr. Kulvinder Singh" sir. Food coupons became the perfect icing on the cake concluding the inaugural.

- Guest: Dr. Rajendra S. Dhaka
- Welcomed and honored by Dr. Mukesh Kumar
- Musical performances by 1st year students
- Journey video by 3rd year students
- Talk by Dr. Rajendra S. Dhaka on "Role of electrons in materials technology"
- Q&A session
- Vote of thanks by Dr. Kulvinder Singh
- Distribution of food coupons and teacher's refreshment

---- under guidance and support of:

- Dr. Savita Gahlaut (teacher-in-charge)
- Dr. P. L. Meena (convenor)



TEACHER'S DAY :ARYABHATTA SCIENCE FORUM(ASF)

15th September 2018

On the occasion of teacher's day a program was organised by ASF with the help of the volunteers from physics department in order to appreciate the hard work and thank the selfless efforts done by the teachers over so many years .

The program was commenced with welcoming, the guest of honor this time being the teachers . The event started by thanking speech followed by series of performances by several students from each year. The 1st year students showcased their talents be it by playing flute or singing or speech to thank the teachers and to discuss the importance that they have in our life. Then there were several other participants from 2nd and 3rd year reciting the poem that were highly effective in a sense of motivation as well as in a way showing the reverence for the helping hands in our journey . Overall it was an event filled with lots of fun and joy that was intended to show the love of students to the teachers and make them feel special . Teachers were then asked to say a few words in order to share their experiences and as well as to comment on the relation they have built with us stendents over the year . This was followed by senior students from 3rd year sharing their perspective of the story and the memories they have shared that they would remember for the rest of their life .This event filled with activities ended with cake cutting and a photo session with the teachers.





REPORT ON LECTURE ON SCIENCE AND FREEDOM

PROF. V. K. TRIPATHI

10th October, 2018

INTRODUCTION:

On the 10th of October 2018 Prof. V. K. Tripathi of IIT Delhi visited the department of Physics of Deen Dayal Upadhyaya College and delivered a lecture on the topic of Science and Freedom. His lecture deeply emphasized upon the fact how Science can be used to implement ideas of human freedom. He with his lecture also condemned the fact that Science has been used more in war rather than peace now-a-days. He also talked about the situation of the people suffering from the problem caused by NRC in Assam.

EVENTS:

- Prof. V. K. Tripathi was welcomed by the teachers and students of the Dept. of Physics
- He was then felicitated with a token of respect by the senior-most teacher of the department, Mukesh Sir
- Lecture on Science and Freedom was delivered by the visiting Prof.
- It was followed by a Q and A session where the students cleared their doubts from Prof. V. K. Tripathi

SUMMARY:

The students got to learn a lot from Prof. V. K. Tripathi. The students also bought his work on self-reliance in thinking. He imparted with us the virtue to use science and technology for global peace.



TALK ON"-- BULIDING BLOCKS OF THE UNIVERSE on 12 OCTOBER,2018

Since humans are conscious towards nature and the universe, the matter behind the building blocks of universe, so we the DEPARTMENT OF PHYSICS organized a talk on the topic BUILDING BLOCKS OF THE UNIVERSE by Dr. ANSHUL KAPOOR, who is a Ph.D. scholar in IISER PUNE on 12 October,2018.

The beginning of the talk was marked by welcoming Dr. ANSHUL KAPOOR by Dr. SANJAY TANDON by presenting him a honorarium. Then Dr. ANSHUL KAPOOR started his speech and addressed about the universe, its matters and shared his knowledge with all the members. Then a Q&A session happened and he resolved many queries of the students. He also revealed that how he reached at this position and talked about his journey. He answered about carrier related issues of students in the field of physics. The end was marked by Dr. P. L. MEENA by giving Dr. KAPOOR ,the vote of thanks.

-Guest Dr. ANSHUL KAPOOR

-Welcomed and honored by Dr. SANJAY TANDON

-Talk on topic -BUILDING BLOCKS OF THE UNIVERSE by Dr. ANSHUL KAPOOR

-Q&A session

-Vote of thanks by Dr. P. L. MEENA

-Distribution of food coupons and teacher's refreshment



IUAC VISIT:ARYABHATA SCIENCE FORUM(ASF)

29th October'18

We all know the nature of science is such, that it is incomplete without experiments. To give the hints of recent experiments to the students of Physics Department we organized a visit of about 45 students along with faculty members to the INTER UNIVERSITY ACCELERATOR CENTRE (IUAC) on 29th October 2018.

Dr. P. L. Meena (Convener, ASF) and Dr. Savita Gahlaut (T.I.C. Physics Department) took the initiative and communicated with the staff at IUAC. We got permission for 45 students and collected the funds from them. On the day of visit all the students and teachers gathered in the college premises by 8:30 a.m. and left the college at around 8:45 a.m. after an attendance. We were received there by Dr. Golda who took us through a virtual trip of the accelerator centre and the going experiments through her presentation. It was followed by a tea break for the students. The students were divided into three groups for tour throughout the centre and were guided by the scientists at the centre. Students could not visit some areas due to the ongoing experiments however it was quite an informative visit which boosted our knowledge about working of accelerators. Students were shown the data that was being collected from the experiments at that moment. We were able to see some of the facilities like the National Array of Neutron detectors, General purpose scattering chamber along with some portions of the huge pelletron accelerator. This was followed by Lunch and a group photo.

The visit to the historical Qutub Minar while returning was a sprinkle of amazement and thrill on us. The visit was concluded with a group photograph in the college premises.

-IUAC communications and funds collection from students

-Gathering at college on the day of visit and attendances

-Lecture at IUAC

-Tea break

-Facility tour at IUAC

-Lunch

-Qutub Minar visit

-Dispersal after reaching college



