

## **Department of Mathematics**

### **About the Department**

The Department of Mathematics aims at providing in-depth knowledge of the subject which enables students to pursue their career in diverse range of fields like banking, civil services, corporate sector, actuarial sciences, teaching, research and many more. For the overall development of students, varied range of activities are organized which includes talks, seminars, workshops, quizzes, field visits, excursions and fun events.

**Teacher In-Charge: Dr. Neelam Sharma**

**Association In-Charges: Ms. Japleen Kaur and Ms. Karishma Ahlawat**

**Tenure: 2017-2019**

### **Activities 2017-18**

#### **EDUCATIONAL EXCURSION TO NEHRU PLANETARIUM AND JANTAR MANTAR**

**September 27, 2017**

**Radian-ce, The Mathematics Society** organized an **educational excursion to Nehru Planetarium and Jantar Mantar** as a part of innovative teaching methods, which was attended by 170 students and 8 teachers from the Maths Department. The students, accompanied by teachers, commenced the excursion at 9:30 am from the college in three buses. They watched a one hour show 'The Jantar Mantar' in the sky-dome theater of the planetarium, which was followed by an informative lecture by the director of the planetarium, Dr. N. Rathnasree, to revive the lost identity of Jantar Mantar. It focussed on explaining how it is as useful in today's time as it was when it was built. She also explained the various star positions and constellations to the students. As the lights dimmed and the journey through the stars began, the excitement among the students knew no bounds. The skies came alive on their massive dome theater. The show was a good visual experience and also provided factual knowledge of astronomy. After that, the students, teachers and Dr. N. Rathnasree visited the Jantar Mantar observatory to teach students how to predict time through movement of sun using various yantras, the astronomy instruments present there, in a hands-on manner. Students formed small groups to collect data and successfully calculated the results. It was a very fruitful and enlightening trip that inspired many young minds. Many students also showed keen interest in being active participants during future activities at the planetarium.



## **A Talk on ‘Aspects of Primality Testing’**

**October 31, 2017**

**Radian-ce, The Mathematics Society** organized a one hour **talk on ‘Aspects of Primality Testing’** in the college seminar room. The talk was well attended by 110 students and the faculty members. The speaker for the talk was Dr. Mukund Madhav Mishra, Assistant Professor, Hansraj College, University of Delhi. He discussed an algorithm for determining whether an input number is prime or not, as factorization is a computationally difficult problem for large numbers, whereas primality testing is comparatively easy. All the students and the faculty members found the talk very informative.

**RADIAN-CE: THE MATHEMATICS SOCIETY**  
JDMC  
PRESENTS

**A TALK ON**  
**"ASPECTS OF PRIMALITY TESTING"**

By Dr. Mukund Madhav Mishra  
Assistant Professor  
Hansraj College  
University of Delhi

**DATE: 31 OCTOBER '17**  
**TIME: 11 AM**  
**VENUE: SEMINAR ROOM**



Two events were organized during the annual cultural festival, ‘Symphony-2018’, which are as follows:

- **‘Paper-Mania’**

**Event Coordinators: Ms. Teena Kohli, Ms. Chanpreet Kaur and Ms. Khushboo Bussi**

**Radian-ce, The Mathematics Society** conducted the event ‘Paper-Mania’ in the college annual cultural fest Symphony 2018. The judges of the event were Ms. Rita Grover, Faculty, Art and Craft Department, Janki Devi Vocational Centre and Ms. Smita Mitra, Associate Professor, Department of History, Janki Devi Memorial College. It aimed at testing creative skills of student while having fun interacting with them. It was organized in room number 14 and was attended by 19 teams of two participants each. The event consisted of two rounds ‘The Crafty Town’ and ‘Act... Act in the Living Present’ respectively. 12 teams were shortlisted for the second round. Students from various departments and colleges participated in the competition. The result of the event is as follows:

First prize: Aakriti and Shalini, Keshav Mahavidyalaya, University of Delhi.

Second prize: Isha Dutta and Simran Bawa, Janki Devi Memorial College, University of Delhi.

Third prize: Tanika Sharma and Anjali Garg, Deen Dayal Upadhyaya College, University of Delhi.

Consolation prize: Amya Madan and Mahak Goyal, Keshav Mahavidyalaya, University of Delhi.

The winning teams received cash prizes and certificates.





- **‘Ramanujan meets Shakespeare’**

**January 12, 2018**

**Event Coordinators: Ms. Sonia, Ms. Tanu Gupta**

**Radian-ce, The Mathematics Society** organized an event **‘Ramanujan meets Shakespeare’** for college Annual Fest Symphony 2018. The judges of the event were Mr. Deepak, Faculty, Department of Economics and Dr. Shushma Bansal, Janki Devi Memorial College. The event was based on interlinking Mathematics and Literature. It was organized in room number 14 and was attended by 15 participants. The participant presented excellent poems and articles. Students from various departments and colleges participated in the competition. The result of the event is as follows:

First prize: Avani Yadav, Shaheed Bhagat Singh College.

Second prize: Samridhi, Janki Devi Memorial College.

Third prize: Vishu, Keshav Mahavidyalaya College.

The winning participants received certificates and cash prize of Rs 2500, Rs 2000 and Rs 1500 respectively. The event was thoroughly enjoyed and appreciated by the audience.





### **‘Career Counseling Session’**

**January 31, 2018**

**Radian-ce, The Mathematics Society** organised a **career counseling session by Mr. Jitin Chawla**, an eminent educational psychologist, for the students of B.Sc. (H) Mathematics. The session was interactive, and comprehensively covered the job prospects and the combinations of courses for possible careers. He discussed a plethora of career options, the common ones, as well as the lesser known ones. He encouraged the students to take up additional courses or go for internships to enhance their profiles. The students felt motivated after the session and also got answers to their career related queries.

The session was well attended by around 180 students and the faculty members. The audience found the session very informative and inspiring.

# Jitin Chawla's

## CENTRE FOR CAREER DEVELOPMENT

Systematic Career Counseling

[www.jitinchawla.com](http://www.jitinchawla.com)







5. An educational trip to Kanatal-Tehri-Rishikesh was organized during February 23-26, 2018.





## **Paper-Presentation Competition**

**March 14, 2018**

**Radian-ce, The Mathematics Society** organised a **Paper-Presentation Competition** on 'Mathematics and Architecture' in the seminar room of the college. The judges for the event were Dr. Neelam Sharma and Dr. Amarjeet Singh, Faculty, Department of Mathematics, Janki Devi Memorial College. 9 teams of one or two students participated in the competition and presented the mathematical concepts used in the field of architecture and how various monuments and structures have been designed using them. The competition not only gave a platform to the participants to showcase their presentation skills, but also turned out to be very informative for the audience of teachers and 123 students. It aimed at acquainting the students with few of the applications of Mathematics.

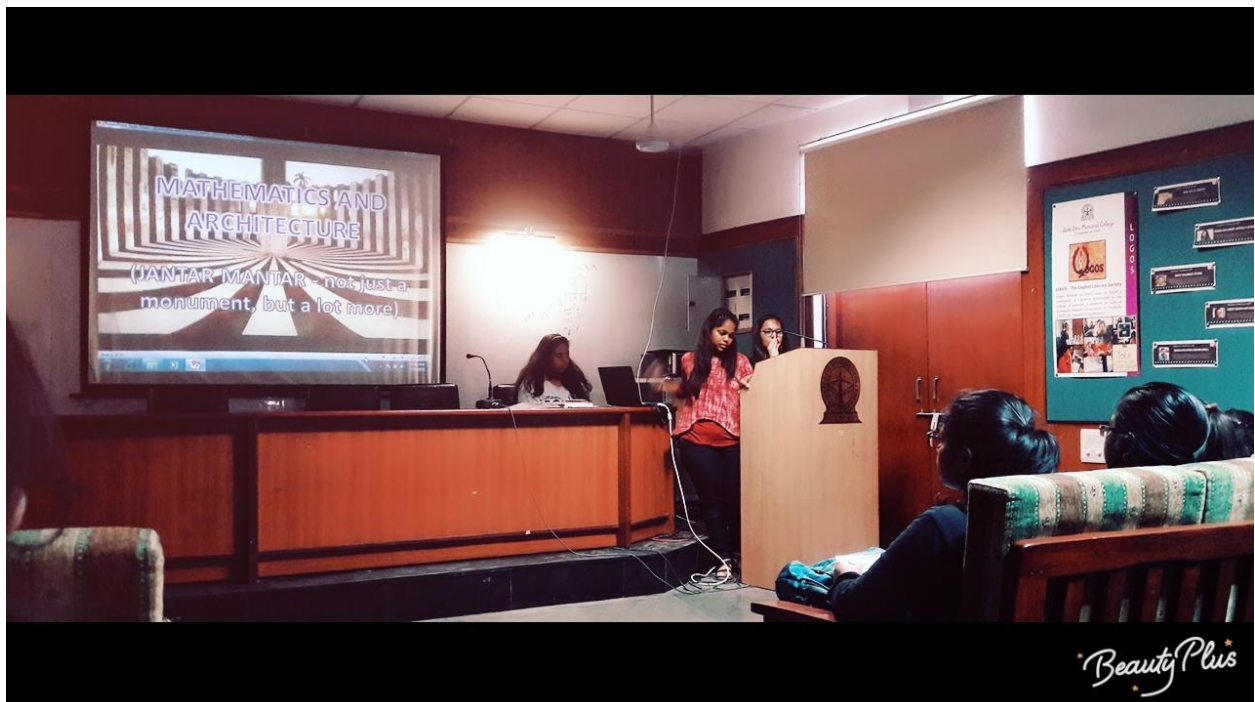
The result of the event is as follows:

First prize was won by Srishti Singh, II year and Prerna, III year.

Second prize was won by Samridhi Chaturvedi, Ist year.

Third prize was won by Nikita Kohli, I year and Juhi, I year.

The winning participants received certificates and cash prizes of Rs1500, Rs1250 and Rs.1000 respectively. The event was thoroughly enjoyed and appreciated by the audience.





## **‘Farewell 2018’**

**April 23, 2018**

The Department of Mathematics organised a grand **farewell** party to bid adieu to the batch 2015-18. The function was held in the college auditorium from 10 am to 1 pm, and was followed by a lunch in the canteen.

The programme began with felicitations of the office bearers and the volunteers for the entire academic year 2017-18. It was followed by various dance performances by the students, fun activities and the title distribution to the third year students. Three rounds of Ms. Farewell 2018 were held, the results of which are as follows:

Ms. Farewell- Ms. Purna Shukla

First Runner Up- Ms. Neha Chaudhary

Second Runner Up- Ms. Manpreet Kaur

The students as well as teachers had a great time, and the third year students loved the arrangements of their special day.





