



Society Activity Report 2019-20

Mathematics Society

-Workshops, Lectures, and symposiums:

TALK - Breaking Cognitive Barriers with Arithmetic

Date – 03/09/2019

No. Of Participants- 63

Description

The talk titled 'Breaking Cognitive Barriers with Arithmetic' was delivered by Neelkantha Bhanu Prakash (St. Stephen's College, B.Sc. (Hons) Mathematics 3rd Year). It helped the students learn about fast arithmetic computation, and the concept of multitasking along with live demonstration by the speaker.

The speaker holds the record of being world's fastest human calculator and demonstrated commendable skills.



NAAC
Assessment
and
Accreditation 2021



St. Stephen's College
University of Delhi
Delhi 110007

Phone: +91-11-27667200

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The Mathematics Society
St. Stephen's College
Invites you for a
Talk on

Breaking Cognitive Barriers
With Arithmetic
By the World's Fastest Human Calculator
and TEDx Speaker :
Neelakantha Bhanu Prakash

Followed by a talk by Endeavour
Why MBA After Graduation

3 September | NCLT | 2:00 PM
Refreshments will be provided to all attendees

Sponsored by
Endeavor
dream...endeavor...achieve

Hardik : +91 77340 52385 Hitesh: +91 70657 04907 Shubham: +91 80063 79959



PROFESSOR SB MATHUR LECTURE SERIES

Day 1- Workshop

Date – 16/10/2019

No. Of participants- 37

Description

The workshop was headed by Dr. Monika Arora (Assistant Professor, Department of Mathematics, IIT Delhi). It helped students learn about SPSS statistical software which is widely used for analysis. The participants were required to bring their own laptop for seeing the working of the software.

Day 2 – Lecture

Date – 22/10/2019

No. Of participants- 60

Description

A Lecture was conducted on the topic 'Euclidean and non - Euclidean Geometry' by Dr. Mukund Madhav Mishra (Assistant Professor, Department of Mathematics, Hansraj College). It aimed at broadening the concepts of students about non - Euclidean geometry, in order to visualise things in a non planar world.

The Mathematics Society
St. Stephen's College
Presents

**Professor SB Mathur
Memorial Lecture Series**

SPSS WORKSHOP
By Monika Arora
IIT Delhi
16 OCT | 2 PM | Room G

Ice Cream for Participants!
Open only for Stephanians

Restaurant Partner:

The Mathematics Society
St. Stephen's College
Presents

**Professor SB Mathur
Memorial Lecture Series**

**EUCLIDEAN AND NON
EUCLIDEAN GEOMETRY**
By Mukund Madhav Mishra,
Hansraj College
22 OCT | 2 PM | Room C

Refreshments will be provided to all participants
Open only for Stephanians

Register at: http://tiny.cc/SB_Lecture



SYMPOSIUM

Date- 20/03/2020 and 21/03/2020

'Symposium on Algebra, Analysis and Mathematical Modelling: Focus on Women in Mathematics' aimed at promoting research among budding mathematicians. It consisted of a series of lecture and a panel discussion on 'Challenges and Opportunities in Mathematics' stretched over a period of 2 days. The speakers for the lectures were:

S.NO.	NAME OF THE SPEAKER	NAME OF INSTITUTE	EVENT/LECTURE
1.	Professor Riddhi Shah	JNU	Inaugural Ceremony
2.	Professor Parvin Sinclair	TIFR, Mumbai	Inaugural Ceremony
3.	Professor Vijaylaxmi Trivedi	TIFR, Mumbai	Inaugural lecture
4.	Professor Ranjana Jain	University of Delhi	Analysis
5.	Dr. Tanvi Jain	ISI, Delhi	Analysis
6.	Professor Vandana Khaitan	University of Delhi	Operational research
7.	Professor Shobha Bhagai	Cluster Innovation Center, University of Delhi	Mathematical Modelling
8.	Dr. Amala Bhave	JNU	Algebra
9.	Dr. Maya Saran	Ashoka University	Algebra
10.	Dr. Haneet Gandhi	Department of Education, University of Delhi	Panel discussion
11.	Dr. Sneha Chaubey	IIT Delhi	Panel discussion
12.	Dr. Priyanka Grover	Shiv Nadar University	Panel discussion



The Mathematics Department

in association with

The Mathematics Society

St. Stephen's College

University of Delhi

Presents

Symposium on 'Algebra, Analysis and Mathematical Modelling with Focus on Women in Mathematics'

20th - 21st March 2020

Speakers

- **Prof. Vijaylaxmi Trivedi**
*Department of Mathematics
Tata Institute for Fundamental Research,
Mumbai*
- **Prof. Shobha Bagai**
*Cluster Innovation Center
University of Delhi*
- **Dr. Tanvi Jain**
*Theoretical Statistics and Mathematics Unit
Indian Statistical Institute, Delhi*

• Dr. Maya Saran

*Department of Mathematics
Ashoka University*

• Dr. Ranjana Jain

*Department of Mathematics
University of Delhi*

• Dr. Vandana Khaitan

*Department of Operational Research
University of Delhi*

• Prof. Geetha Venkataraman

*Professor of Mathematics
School of Liberal Studies
Ambedkar University, Delhi*

Registration Details

- Undergraduate students from second year onwards are eligible to participate
- The candidates are required to submit their CV and a Letter of Recommendation (LOR) which will form the basis of the selection criteria
- Interested candidates can register at-
<https://tinyurl.com/wjsj462>

Convener: Dr. Jaspreet Kaur
Contact: +91 99998 46605

For any queries contact:

Shubham: +91 80063 79959

Hitesh: +91 70657 04907



**Symposium on 'Analysis, Algebra and
Mathematical Modelling with Focus on
Women in Mathematics'**



Under the aegis of IQAC, St. Stephen's College
Organised by
The Mathematics Department
in association with
The Mathematics Society
St. Stephen's College, University of Delhi
20th, 21st March

Panel Discussion
on
**Challenges and Opportunities in
Mathematics with Special Focus on
Women**

Dr. Amber Habib
Shiv Nadar University
(Moderator & Panellist)

Dr. Haneet Gandhi
Dept. of Education
University of Delhi
(Panellist)

Dr. Sneha Chaubey
IIT Delhi
(Panellist)

Dr. Priyanka Grover
Shiv Nadar University
(Panellist)

Date: 21st March 2020
Time: 2:00 PM - 3:30 PM

Shubham: +91 80063 79959

Hitesh: +91 70657 04907

The symposium could not be conducted due to the unfortunate spread of COVID-19.

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 **SYMPOSIUM ON 'ANALYSIS, ALGEBRA AND
MATHEMATICAL MODELING WITH FOCUS
ON WOMEN IN MATHEMATICS'** 

Organised by
THE MATHEMATICS DEPARTMENT
In association with
THE MATHEMATICS SOCIETY
St. Stephen's College, University of Delhi
20TH, 21ST MARCH 2020

**INAUGURAL CEREMONY
&
INAUGURAL LECTURE**

BY

PROF. VIJAYLAXMI TRIVEDI
DEPARTMENT OF MATHEMATICS
TATA INSTITUTE OF FUNDAMENTAL RESEARCH
MUMBAI

Date : 20th March 2020
Venue: Seminar Room, St. Stephen's College
Time: 9:00 AM

For any queries contact:
Eshita: +91 9818450502 Naomi: +91 87553 97597




WEBINAR

Date – 19/05/2020

No. Of Participants- 70

Description

It was conducted to promote research in mathematics among women. It consisted of a documentary screening followed by a discussion. The title of the documentary was, “Secrets of the Surfaces: The Mathematical Vision of Maryam Mirzakhani “. The discussion was headed by two panellists Professor Riddhi Shah (Department of Mathematics, JNU) and Professor Geetha Venkataraman (Ambedkar University, Delhi) . The discussion made the students aware of the challenges faced by women mathematicians, their solution and the contribution of various women mathematicians.

 **THE MATHEMATICS SOCIETY**
ST.STEPHEN'S COLLEGE

organizes documentary screening

**SECRETS OF THE SURFACE: THE MATHEMATICAL
VISION OF MARYAM MIRZAKHANI**

Followed by a discussion and question answer session
by

Prof. Riddhi Shah **Dr. Geetha Venkataraman**
(Department of Mathematics, JNU) (Ambedkar University, Delhi)

Date: 19 May 2020
Time: 2-3:30 P.M

The webinar will be on Google Meet

For Further Queries Contact
Bhavya Agarwal : +91-70841 22695 Eshita Goel : +91-98184 50502



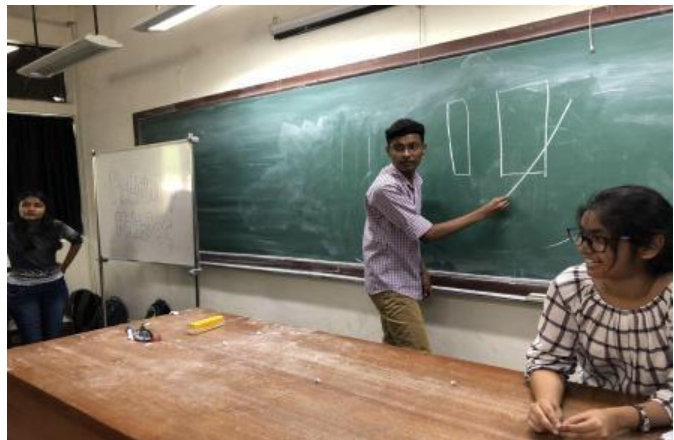
PICTIONARY

Date – 20/08/2019

No. Of Participants- 83

Description

The aim of Pictionary was to test mathematical perspective with respect to relating real-life objects and geometrical figures. One of the team members is blindfolded and describes an object/word using mathematical figures. The other team member draws the object and try to guess the word/object, the drawing is intended to represent. The event saw participation from various courses including History and English.



TREASURE HUNT

Date – 26/09/2019

No. Of Participants – 556

Description

It was held as an open event in which the participants were required to solve a chain of clues which are based on logical reasoning, aptitude with a bit of mathematics. The team was required to decode all clues correctly in minimum possible time.



GRIPHOMANIA

Date – 03/10/2019

No. Of Participants – 80

Description

It was held as a closed event which allowed participants to test their puzzle solving skills. It included different forms of puzzles like sudoku, kakuro, slitherlink, and also brain teasers that tested both mathematical and logical skills. In two subsequent qualifying rounds, the team solving the most questions correctly wins.




THE MATHEMATICS SOCIETY
ST. STEPHEN'S COLLEGE

GRIPHOMANIA

Sudoku, Kakuro, Hitori and much more!!
Participation in teams of two, lone wolves are also welcome
CASH PRIZES WORTH 2.5K TO BE WON!!

Reg at: <https://tinyurl.com/Gripho-19>
3 Oct | 2 pm | OCLT

Our sponsor: 

Eshita: 9818450502 Hardik: 7734052385 Naomi: 8755397597

SINE ME UP

Date – 18/10/2019

No. Of participants – 105

Description

The event aimed to test the interpretation skills of the participants. Participants were subjected to some simple statements, titles and anagrams with a Mathematical twist and were asked to interpret their possible meaning(s) in simple language.

The Mathematics Society
St. Stephen's College

Presents

Sine Me Up!

Anagrams, Mystery Numbers,
Movie References and much more!

18 October | 2:00 PM | NCLT

Participation in teams of two, lone
wolves are also welcome!
Cross college teams are allowed!

Cash prizes worth 3K to be won!!

Register at : <https://tinyurl.com/SineMeUpReg>

Shubham: +91 80063 79959 Shravya: +91 98953 20755



MATHSOC OPEN

Date – 15/02/2020 and 16/02/2020

No. Of Participants- 118

Description

Mathsoc Delhi open is an event organised by the society in collaboration with the World Cube Association every year with an attempt to provide a national level platform to potential Cubers, giving them an opportunity to showcase their skills. It deals with various sorts of cube including blindfolds, pyramix along with others, with an age ranging from 5 to 20 years old. We witness records being broken and new ones being made just in a fraction of seconds.

THE MATHEMATICS SOCIETY
ST. STEPHEN'S COLLEGE

PRESENTS

MathSoc Delhi Open 2020
15TH & 16TH FEBRUARY 2020
VENUE: ST. STEPHEN'S COLLEGE, STAFF ROOM

Register At:
<https://www.worldcubeassociation.org/competitions/MathSocDelhiOpen2020#general-info>

For Enquiries Contact: Bhavya +91 70841 22695 Arya +91 88481 13164

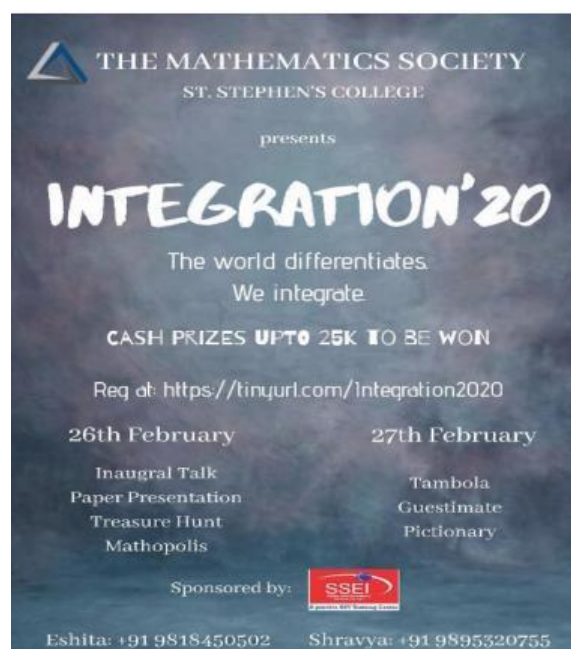
cubelelo



INTEGRATION (Annual Fest)

Date – 26/02/2020 and 27/02/2020

No. Of Participants - 117





Events

Inaugural Talk – The inaugural talk for Integration 2020 was delivered by Dr. Amitabha Tripathi (IIT Delhi) on the topic, 'Bertrand's Theorem: From Chebyshev to Erdos via Ramanujan'. It was focused on the sequence of prime numbers and their properties.

THE MATHEMATICS SOCIETY
ST. STEPHEN'S COLLEGE

Integration 2020

Inaugural Talk

by
Dr. Amitabha Tripathi
IIT Delhi


Topic: Bertrand's Theorem: From Chebyshev to Erdos via Ramanujan

Date: 26th February
Time: 2pm
Venue: NPLT

Hardik : +91 77340 52385 Anisha : +91 9207354750

St. Stephen's College

INAUGURAL TALK



**DR. AMITABHA
TRIPATHI**
IIT DELHI

A New Method to Compute the
Decimal Expansion of Rational
Numbers

5TH FEBRUARY 2PM
SEMINAR ROOM



Paper Presentation - It invites people from all across the college to present a paper in front of a panel of professors from the Maths department of our college. The panel chooses the best papers among the contestants. It is followed by a discussion between professors, audience and the participants.

Treasure Hunt – This event is held in the same way as the Treasure Hunt in September. It aims to test one's quick thinking, logical approach and ability to solve equations.

Mathopolis- It is a quiz on everything related with the subject of mathematics. This event aimed to test one's knowledge of mathematics and challenge the memory.

THE MATHEMATICS SOCIETY
&
THE QUIZ CLUB
ST. STEPHEN'S COLLEGE

MATHOPOLIS

COME AS LONE WOLVES OR IN A
PACK OF TWO!

**CASH PRIZES OF UPTO
3K TO BE WON!**

26TH FEBRUARY
3PM | ROOM - C

REGISTER AT:
[HTTPS://TINYURL.COM/INTEGRATION2020](https://tinyurl.com/integration2020)

SPONSORED BY: PROMOTION PARTNER:

NAOMI- 8755397597 BHAVYA- 7084122695

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Mathematical Tambola -

The Mathematics Society
St. Stephen's College
Integration'20
**MATHEMATICAL
TAMBOLA**
27th February | 2 pm | OCLT
Cash prizes upto 3k!!
Register At: <https://tinyurl.com/Integration2020>
Eshita +91 98184 50502 Shravya +91 98953 20755

Pictionary -


THE MATHEMATICS SOCIETY
St. Stephen's College
Presents
INTEGRATION 2020
PICTIONARY
Join us in Teams of 2
Cross college teams are allowed
* 27 February | 4:30 PM | Room G
PRIZES WORTH 3k to be won!!
Register at: <https://tinyurl.com/Integration2020>

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Guesstimate -

THE MATHEMATICS SOCIETY
 **ST. STEPHEN'S COLLEGE**
Presents
INTEGRATION 2020
GUESSTIMATE
INTELLIGENT GUESSING MADE FUN!
DATE : 27 February
TIME : 4 PM
VENUE : Room F
PARTICIPATION IN TEAMS OF 2
LONE WOLVES ARE ALSO WELCOME!
CASH PRIZE OF UPTO 3K TO BE WON!!
Register at : <https://tinyurl.com/Integration2020>

ESHITA: 9818450502 SHRAVYA: 98953 20755