



## Society Activity Report 2017-18

### Mathematics Society

#### 23-24 August, 2017: Rubik's Cube Workshop

An introductory workshop conducted by members of the Society, aimed to train first year students in basic cube-solving techniques.






### 10,11,12 October 2017: Professor SB Mathur Memorial Lecture Series

The Prof. SB Mathur Memorial Lecture Series is an annual lecture series, wherein the Mathematics Society plays host to eminent mathematicians, who introduce undergraduate students to advanced topics beyond the scope of the academic syllabus. This year's speakers were:


Speaker	Institute	Topic
Prof. Geetha Venkataraman	Ambedkar University	The Method of Infinite Descent
Dr. Sucheta Chakrabarti	DRDO	Algebraic Structures and their applications in Cryptography
Prof. Sangita Kansal	DTU	Petri Net – A Graphical Tool for Modelling




**ST. STEPHEN'S COLLEGE**

PRESENTS


**PROFESSOR SB MATHUR  
MEMORIAL LECTURE SERIES**



**Prof. Geetha Venkataraman**  
Ambedkar University  
**Topic: The Method of Infinite Descent**  
10th October  
2 PM Room XC



**Dr. Sucheta Chakrabarti**  
DRDO  
**Topic: Algebraic Structures and their Applications in Cryptology**  
11th October  
2 PM Room B



**Prof. Sangita Kansal**  
DTU  
**Topic: Petri Net- A Graphical Tool for Modelling**  
12th October  
2 PM Room XC



**22-23 March, 2018: Symposium on Algebra and Its Applications**

The Symposium on Algebra and its Applications was a two-day lecture series, wherein The Mathematics Society played host to four mathematicians from diverse backgrounds of algebra and applied fields. The main aim was to spread awareness about the scope of the application of algebra beyond the realm of curriculum. This year's speakers were:

Speaker	Institute	Topic
Dr. Amitabh Tripathi	IIT, Delhi	Fermat's Last Theorem for Regular Primes
Dr. Geetha Venkataraman	Ambedkar University	Algebra & Number Theory
Dr. Vijay M. Patankar	School of Physical Sciences, JNU	Matrix Groups
Dr. Sanjeev Agarwal	Shiv Nadar University	Error Coding





#### 4 September, 2017: Treasure Hunt

An event wherein students are provided logic and mathematics-based clues to solve and trace a path through the college. Over 200 students took part in the event.







### **21 September, 2017: Guesstimate**



An event wherein participants use estimation powers in order to solve problems involving heavy calculations.



### **28 October, 2017: Griphomania**

An event wherein participants were made to solve mathematical puzzles like Sudoku, Slitherlink, Kakuro, Killer Sudoku, etc. This was a novel event of the society and saw a good participation from colleges across Delhi.







THE MATHEMATICS SOCIETY  
ST. STEPHEN'S COLLEGE  
presents

GRIPHOMANIA

Dare to solve!



28th October 2017  
OCLT  
2:00 PM



Register at : <http://www.tinyurl.com/griphomania2017>

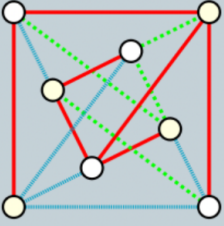
DEEPANSHU +91-9643397114    DHRUV +91-9205088385    PURVI +91-9792488724

### September 2017 to April 2018: Professor Nagpaul Fellowship

An undergraduate level fellowship for Stephanians organized by the Mathematics Society to encourage exploration of mathematics content left untouched by the standard curriculum and in-depth analysis of concepts, under the aegis of guides.

## Road Coloring Problem

Formulated by Roy Adler, Goodwyn and Benjamin Weiss



-NIVEDITA SINGH  
-SHEETAL UPADHYAY



### 27-28 January, 2018: Mathsoc Open 2018

MathSoc Open 2018, an official WCA cubing event was organized by the society on 27th - 28th January. The annual cubing event of the Society attracted 138 cubers from Delhi-NCR and beyond.

THE MATHEMATICS SOCIETY  
ST. STEPHEN'S COLLEGE  
&  
WORLD CUBE ASSOCIATION  
presents

## MATHSOC OPEN 2018

Speed is what you need!

27th & 28th January 2018  
Seminar Room

Register at : <https://tinyurl.com/MathSocOpen2018>

FOR QUERIES CALL : DEEPANSHU +91-9643397114 NAMITA +91-9205088363





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Website: [www.ststephens.edu](http://www.ststephens.edu)

## 5-6 February, 2018: Integration 2018

Integration 2018 started with an Inaugural Lecture by Dr. Amitabh Tripathi from IIT, Delhi on “A new Method to Compute the Decimal Expansion of Rational Numbers” and witnessed paper presentations, quizzes and mathematics-based games for undergraduate and post-graduate students. It was a platform where we brought together some of the best minds from across the country and engaged them in intellectually-stimulating events, aimed at fostering interest in the field of mathematics.

THE MATHEMATICS SOCIETY  
ST. STEPHEN'S COLLEGE

# 2018 INTEGRATION

The world differentiates but we  
integrate!

**PRIZES WORTH 38,000 TO BE WON!**

Register here: <https://tinyurl.com/Integration2k18>

**MATHOPOLIS & PAPER PRESENTATION**  
Seminar Room  
3:00 PM

**5th February**

**ARITHMANCY**  
Room XC & XD  
4:00 PM

**INAUGURAL TALK**  
Seminar Room  
2:00 PM

**TREASURE HUNT**  
SCR Lawns  
2:00 PM

**6th February**

**TAMBOLA**  
Room XC & XD  
3:00 PM

**PICTIONARY**  
Room F & R  
4:00 PM

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NAAC  
Assessment  
and  
Accreditation 2021



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**THE MATHEMATICS SOCIETY**  
ST. STEPHEN'S COLLEGE  
presents  
**MATHEMATICAL TAMBOLA**  
Participate in team of Two  
6th February 2018  
3:00 PM  
Room XD  
Register here: <https://tinyurl.com/Integration2k18>  
NAHELI: 9654844852 NAMITA: 9205088363

**THE MATHEMATICS SOCIETY**  
St. Stephen's College  
presents  
**Pictionary**  
Shape Your Imagination  
Participate in team of Two  
6th February 2018  
4:00 PM  
Rooms F and G  
Register here: [tinyurl.com/Integration2k18](https://tinyurl.com/Integration2k18)

**THE MATHEMATICS SOCIETY**  
St. Stephen's College  
presents  
**ARITHMANCY**  
*The Art Of Numerology*  
Participate in team of Two  
5th February 2018  
4:00 PM  
Room F and G  
Register here: [tinyurl.com/Integration2k18](https://tinyurl.com/Integration2k18)  
NIKHILA: 9540022623 PARIDHI: 9560668886



NAAC  
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THE MATHEMATICS SOCIETY  
ST. STEPHEN'S COLLEGE  
presents  
**MATHOPOLIS**  
QM Akshay Cyril  
5<sup>th</sup> February  
Room :XC  
3:00 pm  
(Participation as Lone wolves or in pair is allowed)  
Register here:  
<http://tinyurl.com/Integration2k18>  
CONTACT  
Naheli: 9654844852 Yash: 7417109822

The Mathematics Society  
St. Stephen's College  
**TREASURE HUNT**  
Solvers, Keepers  
Register here:  
<http://tinyurl.com/Integration2k18>  
Contact: Anna: 8698961722 Time: 2.00 pm  
Pragati: 9538767691 SCR Lawns  
6th February

THE MATHEMATICS SOCIETY  
ST. STEPHEN'S COLLEGE  
**PAPER PRESENTATION  
COMPETITION**  
5<sup>TH</sup> FEBRUARY  
3:00 PM  
SEMINAR ROOM  
REGISTER HERE:  
ANNA: +91-8698961722 PRAGATI: +91-9538767691