

St. Stephen's College University of Delhi Delhi 110007

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Society Activity Report 2016-17 Mathematics Society

21-22 March 2017: Symposium on Applied Mathematics

The Symposium on Applied Mathematics, consisted of a series of talks, wherein The Department of Mathematics, in association with the Mathematics Society, played host to six mathematicians with expertise in diverse areas of applied mathematics. 65 undergraduate students participated. The Convener was Dr. Prashanto Chatterjee of the Department of Mathematics. The main aim was to spread awareness about the scope of the application of the subject beyond the curriculum. This year's speakers were:

Speaker	Institute	Topic	
Prof. Sanjay Jain	Delhi University	Mathematical Biology	
Dr. Ajit Kumar	Shiv Nadar University	Partial Differential Equations	
Prof. C. S. Lalitha	Delhi University	Optimization	
Dr. S. K. Pal	DRDO	Cryptography	
Prof. Amber Habib	Shiv Nadar University	Financial Mathematics	
Dr. Deepa Sinha	South Asian University	Applied Graph Theory	



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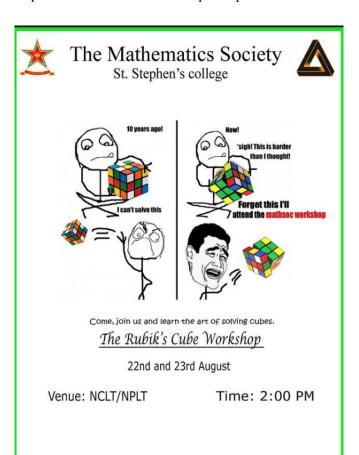
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22-23 August, 2016: Rubik's Cube Workshop

An introductory Workshop conducted by members of the Society, aimed to train first year students in basic cube-solving techniques. Around 50-60 students participated.









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Talks

Name of the Speaker	Institute of the speaker	Date of the speaker	Topic of the talk	
Prof. Rajendra Bhatia	ISI Delhi	26 September, 2016	The Marvellous Number Pi	
Prof. Amitabha Tripathi	IIT Delhi	18 October, 2016	A Gentle Introduction to Ramsey's Theorem	
Prof. KC Sivakumar	IIT Madras	10 January, 2017	Mathematics of the Infinity	
Sadiah Zahoor	An alumnus of St. Stephen's College and the University of Cambridge	28 February, 2017	Informative session on Elliptic Curves in Number Theory	
Mr Vivek Jalan	Director of Risk Consulting and Software at Willis Towers Watson (India)	7 April, 2017	Careers in Actuarial Sciences	

3,5,6 October, 2016: 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. RK Sharma	IIT Delhi	Algebra & Cryptography
Prof. Ravindra Bapat	ISI Delhi	Graph Theory
Prof. Shobha	CIC, University of	Differential Equations and Wildlife
Bagai	Delhi	Modelling

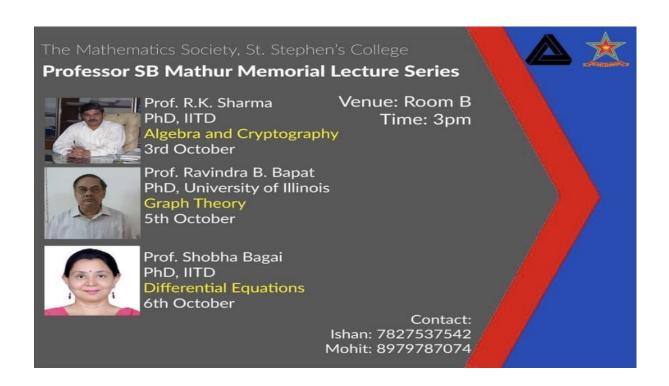


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Shows (including Presentations)

Name of Event	Description	Date
Summer Fellowship Presentation	An academic showcase wherein second and final-year undergraduate students presented mathematics projects completed over the summer with professors at research institutes, including IISER Pune, NISER Bhubaneswar and TIFR Bangalore, on topics such as financial mathematics, linear algebra and partial differential equations.	30 August, 2016
Screening of "The Man Who Knew Infinity"	"The Man Who Knew Infinity" is a film about the Indian mathematician Srinivasa Ramanujan and his relationship with the Cambridge mathematician GH Hardy.	8 February, 2017
Professor Nagpaul Fellowship Presentations	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.	8 April, 2017



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Competitions

8 September, 2016: Treasure Hunt

An event wherein students are provided logic and mathematics-based clues to solve, and trace a path through the college. Over **350 students** took part in the event.







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4 October, 2016: Guesstimate

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



27 October, 2016: Math Me If You Can

An event wherein participants are given mathematical and logical problems to solve, with time constraints, over three rounds.

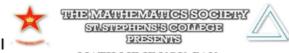


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MATH ME IF YOU CAN Round 3 – Break The Code!

1. Find the sum: 1+1/3+1/6+1/10+1/15+......

Decode:

ZCRUCCL_JMTC_YLB_KYBLCQQ_JGCQ_MZQCQQGML

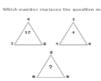
What no. comes inside the circle?



Decode:

VYUONS_CHMCXY_,_VYUMN_IONMCXY

3. Which number replaces the question mark?



Decode:

TYRCCVEXV_VMVIPKYZEX

21-22 January, 2017: Mathsoc Open 2017

The annual cubing (Rubik's Cube Solving) event of the Society attracted 110 cubers from Delhi-NCR and beyond.

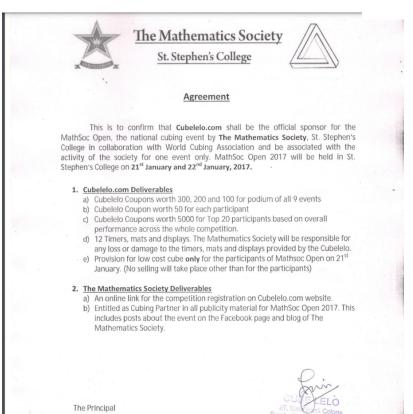


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(on the behalf of Cubelelo)

13-14 February, 2017: Integration 2017

St. Stephen's College

Integration 2017 started with an Inaugural Lecture by Prof. Rahul Roy of ISI Delhi on "Pythagorean Theorem in Ancient Culture", and witnessed a paper presentation competition, quizzes and mathematics-based games for undergraduate and post-graduate students.

These included Mathopolis (a quiz), Mathematical Tambola, a Treasure Hunt and Pictionary.



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