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For Further Information regarding the Seminar, please visit : <http://spm.du.ac.in>

**REGISTRATION DETAILS:** ALL PARTICIPANTS ARE REQUIRED TO REGISTER AT <http://forms.gle/ChogT73XUBGdf6N77> AFTER THE REGISTRATION FEE PAYMENT.

### **REGISTRATION FEE:**

- FACULTY MEMBERS:** Rs. 1000/-
- RESEARCH SCHOLARS:** Rs. 700/-
- STUDENTS:** Rs. 300/-

**MODE OF PAYMENT:** PAYMENT SHOULD BE MADE THROUGH NEFT OR RTGS AS PER THE FOLLOWING DETAILS

<b>NAME OF ACCOUNT HOLDER</b>	<b>PRINCIPAL, COLLEGE SEMINAR ACCOUNT</b>
<b>BANK NAME AND ADDRESS</b>	<b>INDIAN OVERSEAS BANK, SPM COLLEGE, ROAD NO.57, WEST PUNJABI BAGH, NEW DELHI-110026</b>
<b>ACCOUNT NUMBER</b>	<b>176001000004447</b>
<b>IFSC CODE</b>	<b>IOBA0001760</b>
<b>TYPE OF ACCOUNT</b>	<b>SAVING ACCOUNT</b>
<b>MICR</b>	<b>110020043</b>

*Important: A copy of receipt generated after the online payment must be mailed on [nationalseminar.spm@gmail.com](mailto:nationalseminar.spm@gmail.com) and the hard copy of the same should be produced at the time of the seminar.*



**Department of Mathematics**  
**Shyama Prasad Mukherji College For Women**  
**University of Delhi**  
**organizes**  
**UGC sponsored**

## **National Seminar** **APPLICATIONS OF MATHEMATICS** **IN SOCIAL SCIENCES**

**27<sup>th</sup> - 28<sup>th</sup> March, 2020**

*Patron:*

**Dr Sadhna Sharma**  
Principal (Officiating)



**Convener**  
**Ravi Mohan Ahuja**  
Associate Professor(TIC)  
Dept. of Mathematics

**Co-convener**  
**Tripti Anand**  
Associate Professor  
Dept. of Mathematics

## ABOUT THE SEMINAR

The aim of this seminar is to enhance and enrich the knowledge of faculty involved in teaching undergraduate students of Mathematics, Economics, Political Science , Commerce, Geography and Psychology. Mathematical approach makes precise statements, hypothesis , techniques and models to analyze data and solve real life problems related to Voting System, Auctions , Forecasting, Credit risk ,Impact evaluations , Clinical trials , Financial Portfolio Designing etc.. The scope of this seminar shall be branches of Applied Mathematics introduced under CBCS Scheme as Discipline Specific Elective papers namely Graph Theory , Game Theory, Cryptography, Financial Mathematics , Numerical Methods and Optimization. The participants will be introduced to the diverse Application of Mathematics in Social Sciences. The seminar will promote Interdisciplinary Research by providing a common platform to faculty and research scholars from various disciplines. The seminar will be largely interactive with significant amount of time devoted to Paper-Presentations.

### Resource Persons

- **Prof. Arunava Sen, Planning Unit, ISI Delhi.**
- **Prof. Sandeep K. Juneja, Dean, School of Technology and Computer Science, TIFR, Mumbai**
- **Prof. Abhiroop Mukhopadhyay, Department of Economics and Planning, ISI Delhi**
- **Prof. S. Sivaramakrishnan, Department of Mathematics, IIT Bombay.**

## ABOUT THE COLLEGE

Shyama Prasad Mukherji College for women is a well-known college of University of Delhi. It was established in 1969 in the memory of distinguished academician and statesman Dr. Shyama Prasad Mukherji. The college motto "tejasvi vadhita mastu" in Sanskrit has a profound meaning. It is derived from the Taittiriya Upanisad. It means ---Let our efforts at learning be luminous (-tejasvi) and filled with joy, and endowed with the force of purpose (-vadhita mastu). The college has highly accomplished faculty and excellent infrastructure. The college offers undergraduate courses in Science, Humanities & Commerce along with post-graduate courses in Humanities to more than 3000 students every year. The College also offers Teachers Training Programmes – B. Ed and B.El.Ed. The college is a centre for the Non-Collegiate Women's Education Board and School of Open Learning (SOL). The college also has a Family Counselling Centre established by the Social Welfare Board, Delhi. With an academically challenging curriculum and a thriving extra-curricular environment, the college is committed to prepare a professionally qualified workforce to meet the demands of a changing economy. The Department of Mathematics has twelve dedicated competent faculty members. We create quality learning opportunities among students by organizing workshops, seminars, Group Discussions and paper presentations. The department stands committed to holistic development of students.

## GUIDELINES FOR PAPER SUBMISSION

We invite papers on *Applications of Mathematics in Social Sciences*. The papers should highlight applications from any branch of mathematics in social sciences.

Papers must be an original work of the author. Plagiarism in any form will lead to automatic cancellation of the registration. No TA and DA will be paid for attending the seminar. Final selection of the abstracts and papers will be done by the screening committee.

**Please submit your abstract, along with the registration form, on the following registration link**

**<http://forms.gle/ChogT73XUBGdf6N7Z>, and the attached template should be followed.**

## IMPORTANT DATES

Last date for Abstract Submission: **28<sup>th</sup> February, 2020**

Notification of acceptance of Abstract: **5<sup>th</sup> March, 2020**

Last date for Registration: **10<sup>th</sup> March, 2020**

**For any queries Contact:**

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**Dr. Ashish Kumar Mittal: +91-98915-04636**

**Dr. Deepak Bhati: +91-75708-57855**

## VENUE

### SEMINAR HALL

**SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN**