



MAHATMA HANSRAJ FACULTY DEVELOPMENT CENTRE

An MHRD initiative under PMMMNTT



Government of India  
Ministry of Human Resource  
Development

HANSRAJ COLLEGE, UNIVERSITY OF DELHI

One Week FDP  
on

**Understanding the Connection of Mathematics with  
the world around us: An Application Based Learning**

Organized by: Department of Mathematics, Hansraj College

**June 20- June 26, 2019**

## About PMMMNMTT

The Pandit Madan Mohan Malviya National Mission on Teachers and Teaching emphasizes the need to change the role and working of a teacher from mere disseminator of information and knowledge to the one who advances frontiers of existing knowledge by actively developing and creating new insights into diverse, social and physical phenomenon.

## About the Host Institution

Hansraj College, a constituent college of University of Delhi, has been striving since 1948 to provide holistic education that can serve as a catalyst for dismantling ignorance and illiteracy. Hansraj College has recently been graded by NAAC Grade A+ with CGPA 3.62.

## About the Programme

The programme aims to train Mathematics faculty across India, especially those coming from relatively backward areas to meet the contemporary demands of the job of a Mathematics teacher. The topics discussed by the experts would ignite the curiosity and help the participants learn what needs to be learnt and how to learn. The proposed FDP will have five modules, that will consist of 4 sessions each. The modules will focus on the following themes

1. Applications of Differential Equations – Applications to life sciences, modeling and simulation.
2. Mathematical Aspects of Network Security – Modern cryptography, applications of prime numbers.
3. Applications of Linear Algebra – Computer graphics and animation, Google's search algorithm, Data analysis
4. Financial Mathematics – Investment risks and portfolio management
5. Applications of Statistics – Statistical sampling, Opinion polls and Exit polls, inferences from surveys and their accuracies.

*Contact us at [fdp.hrc@gmail.com](mailto:fdp.hrc@gmail.com)*

## Registration Details

- Pre-registration to the FDP is through online mode only.
- Participants are requested to fill the online pre-registration form available at the following link latest by June 7, 2019.  
<https://bit.ly/2HOs0ny>
- There is **no registration fee** for the programme.
- Selected participants shall be intimated latest by June 10, 2019.

## MHRFDC Committee

Chairperson: Dr. Rama, Principal, Hansraj College  
Dr. Jyoti Bhola, Coordinator  
Dr. Lokesh Chandra Mishra, Deputy Coordinator  
Mr. Ashutosh Yadav, Deputy Coordinator

## FDP Organizing Committee

Dr. Arvind, Coordinator  
Dr. Mukund Madhav Mishra, Convener  
Mr. Amit Kumar, Member  
Mr. Rakesh Meena, Member