

MAHATMA HANSRAJ FACULTY DEVELOPMENT CENTRE

(A Centre of MoE, Govt. of India under PMMMNMTT Scheme)

HANSRAJ COLLEGE

(NAAC ACCREDITED A++ GRADE)

University of Delhi

Mahatma Hansraj Marg, Malka Ganj, Delhi-110007

<https://www.hansrajcollege.ac.in>

DYAL SINGH COLLEGE

(NAAC ACCREDITED 'A' GRADE)

University of Delhi

Lodhi Road, New Delhi-110003

<https://dsc.du.ac.in>

ONE WEEK FACULTY DEVELOPMENT PROGRAMME (ONLINE)

on

RECENT TRENDS IN MATHEMATICAL SCIENCES

(11 – 16 September 2023)

PROGRAMME SCHEDULE

Date	Talk	Session	Timing
11 th September 2023(Day 1)	-	Inaugural Session Guest of Honour: Prof. S. K. Tomar Vice-Chancellor, J.C. Bose University of Science & Technology, Faridabad, Haryana	1:00 – 2:30 p.m.
	Talk 1	Keynote Speaker: Dr. Sartaj Ul Hasan IIT Jammu Topic: Permutation Polynomials over Finite Fields	
	Talk 2	Prof. Siddhartha Pratim Chakrabarty Department of Mathematics, IIT Guwahati Topic: Finance Mathematics	3:00 – 4:30 p.m.
12 th September 2023(Day 2)	Talk 1	Prof. G. D. Veerappa Gowda TIFR Centre for Applicable Mathematics, Bangalore Topic: Numerical Methods to Solve a Model of Granular Flow	1:00 – 2:30 p.m.
	Talk 2	Dr. S. K. Pal DRDO, Delhi Topic: Long Term Cryptographic Security	3:00 – 4:30 p.m.

13 th September 2023(Day 3)	Talk 1	<p>Prof. Y. N. Reddy Department of Mathematics, NIT Warangal Topic: Numerical Analysis</p>	1:00 – 2:30 p.m.
	Talk 2	<p>Prof. Mili Pant IIT Roorkee Topic: Maths for Machine Learning</p>	3:00 – 4:30 p.m.
14 th September 2023(Day 4)	Talk 1	<p>Prof. Aparna Mehra Department of Mathematics IIT Delhi Topic: Data Envelopment Analysis in Decision Making</p>	1:00 – 2:30 p.m.
	Talk 2	<p>Dr. Arun Kumar IIT Ropar Topic: Finance Mathematics</p>	3:00 – 4:30 p.m.
15 th September 2023(Day 5)	Talk 1	<p>Prof. Muralidharan Kunnummal The Maharaja Sayajirao University of Baroda Topic: Model Selection and Model Building: A Statistical Perspective</p>	1:00 – 2:30 p.m.
	Talk 2	<p>Prof. Anurag Jain Guru Gobind Singh Indraprastha University, Delhi Topic: Financial Fraud Detection</p>	3:00 – 4:30 p.m.
16 th September 2023(Day 6)	Talk 1	<p>Dr. Sudhansh Sharma IGNOU Topic: Neural Networks and their Optimization</p>	1:00 – 2:30 p.m.
	Talk 2	<p>Dr. Abhay Kumar Singh, IIT Dhanbad Topic: Basics of Quantum Cryptography</p>	3:00 – 4:30 p.m.