

A report on

"TWO DAYS SEMINAR ON RECENT TRENDS IN NUMBER THEORY"

(RUSA- Faculty Improvement Programme)

December 01-02, 2025



Organized by

Department of Studies in Mathematics, University of Mysore, Manasagangotri, Mysuru - 570 006, India. The RUSA Faculty Improvement Programme namely, Two days seminar on "Recent Trends in Number Theory" was organised at Department of studies in Mathematics, University of Mysore, Manasagangotri, Mysuru.

The lectures delivered during this seminar are as follows:

MONDAY, 01.12.2025			
09:30 AM - 09:45 AM	Registration		
09:45 AM – 10.00 AM	Inauguration		
10:00 AM - 11:30 AM	Dr. Soumya Das IISc, Banglore	Topic: Primes, Distributions and Gaps.	
11:30 AM - 11:45 AM	Tea Break		
11:45 AM – 1:15 PM	Dr. H. N. Ramaswamy University of Mysore, Manasagangotri, Mysuru	Topic: Gauss Law of Quadratic Reciprocity.	
1:15 PM – 2:00 PM	Lunch Break		
2:00 PM - 3:30 PM	Dr. Soumya Das IISc, Banglore	Topic: Determining Modular forms by their Fourier coefficients.	
03:30 PM - 03:45 PM	Tea Break		
03:45 PM – 05:15 PM	Dr.Shivarajkumar Professor NIE, Mysuru.	Topic: On the distribution of Quadratic residues modulo prime p.	

TUESDAY, 02.12.2025			
10:00 AM – 11:30 AM	Dr. Bhargava S. University Of Mysore, Manasagangotri, Mysuru	Topic: A Cursory look at Jacobi's & Ramanujan's Theories of theta and elliptic functions.	
11:30 AM – 11:45 AM	Tea Break		
11:45 AM – 1:15 PM	Dr. Pradeep C. R. CIT, Gubbi, Tumakuru.	Topic: Cryptography:Art of secret communication I.	
1:15 PM – 2:00 PM	Lunch Break		
2:00 PM - 3:30 PM	Dr. Pradeep C. R. CIT, Gubbi, Tumakuru.	Topic: Cryptography: Art of secret communication II.	
03:30 PM - 03:45 PM	Tea Break		
03:45 PM – 05:15 PM	Dr. Yogananda C.S. JSS Science and Technology University, Mysuru.	Topic: Ramanujan and Fermat's last theorem.	

DAY 1:

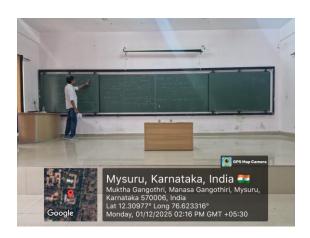
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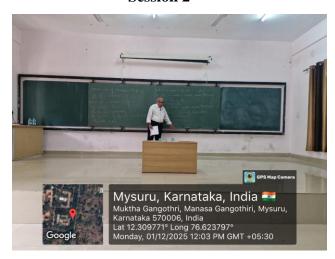
Session 1



Session 3:



Session 2



Session 4



DAY 2

Session 1



Session 3:



Session 2



Session 4:



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GROUP PHOTO

