



In memory of
Late Prof. P. L. Sharma (Founder, HGP)

HIMACHAL GANITA PARISHAD (HGP)
(REGISTERED UNDER H. P. SOCIETIES REGISTRATION ACT 2006)
is organizing

**3RD INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MATHEMATICAL
SCIENCES (ICRTMS-2025)**

(Hybrid Mode)

On 10th -11th MAY, 2025

Venue: Himachal Pradesh University, Shimla

Sponsored by: **DRDO and SJVN**

SCHEDULE OF THE CONFERENCE

DAY 1, 10TH MAY, 2025

(Inaugural Session) Time: 09:00 AM-10:00AM (IST)	
Google Meet Link: https://meet.google.com/sps-mduh-ott	
Coordinators: Dr. Shabnam Sharma and Dr. Ashima Venue: University Science Hall	
Welcome	
Pinning of Badges	
Lamp Lighting Ceremony	
Felicitation	
Welcome Address By Founder	Prof. Rajesh Sharma, Vice-President, HGP
Address by Patron	Dr. Shalini Gupta, President, HGP
Address by Guests of Honor	Prof. S. K. Mishra, BHU Varanasi, U. P. Prof. Manoranjan Singh, Magadh University, Bihar
Special Guest	Prof. R. K. Sharma, IIT Delhi
Address by Chief Guest	Prof. Shyam Lal Kaushal, Controller of Examination, HPU, Shimla
Vote of Thanks	Dr. Kamalendra Kumar, Co- Convener SRMSCET Bareilly, UP
Tea Break: 10:15 AM -10:30 AM	
INVITED TALKS	
Coordinators: Dr. Ashima and Mr. Balkaran Singh Venue: University Science Hall	
(Invited Talk 01): Time: 10:30 AM-11:05 AM (IST)	
Session Chair: Prof. Arvind Yadav	
Key Note Address	Prof. Anand Nayyar, Duy Tan University, Vietnam
Title of Talk	Quantum Computing Technology and Quantum Machine Learning Algorithms

(Invited Talk 02): Time: 11:10 AM - 11:45 AM (IST) Session Chair: Prof. Manoranjan Singh	
Invited Speaker	Prof. Vijay Gupta, NSUT, New Delhi
Title of Talk	Direct Convergence Estimates for Positive Linear Operators
(Invited Talk 03): Time: 12:25 PM – 1:00 PM (IST) Session Chair: Dr. Pankaj Sharma, Pondicherry University	
Invited Speaker	Dr. Nikhil Khanna, Sultanate Qaboos University, Sultanate of Oman
Title of Talk	Recent Advancement in Boas Transforms: Generalization and Applications
(Invited Talk 04): 1:05 PM-01:40 PM (IST) Session Chair: Prof. Shiv Kumar Kaushik	
Invited Speaker	Prof. Anita Tomar, Sridev Suman Uttarakhand University
Title of Talk	Non-Linear Phenomena: Bridging Theory, Computation and Practical Applications
LUNCH: 01:40 PM - 02:30 PM	
(Invited Talk 05): 02:30 PM-03:05 PM (IST) Session Chair: Prof. M. S. Barak	
Invited Speaker	Prof. Shanta Laishram, ISI Delhi
Title of Talk	On the Number of Squares in an Arithmetic Progression
(Invited Talk 06) Time: 03:10 PM - 03:45 PM (IST) Session Chair: Dr. Pankaj Kumar, CU Dharamshala	
Invited Speaker	Prof. Aynur Sahin, Sakarya University, Türkiye
Title of Talk	On the Existence and Uniqueness of Solutions of a Third order q- Difference Equation
TEA BREAK: 3:45 PM to 4:00 PM	
Technical Sessions (04:00 PM – 6:00 PM)	
Technical Session 01 (Online) Coordinator: Dr. Sushil Kumar Google Meet link: https://meet.google.com/skt-gznb-gzb Session Chair: Dr Pankaj Sharma	Technical Session 02 (Online) Coordinator: Dr. Ajit Kumar Google Meet link: https://meet.google.com/dpb-cmcp-cnt Session Chair: Dr. Pushap Lata Sharma
Technical Session 03 (Online) Coordinator: Dr. Kritika Google Meet link: https://meet.google.com/jut-nuou-jeu Session Chair: Dr. Anurag Shukla	Technical Session 04 (Online) Coordinator: Dr. Arun Chauhan Google Meet link: https://meet.google.com/aiy-hsuh-sck Session Chair: Dr. M.S. Barak
Technical Session 05 (Online) Coordinator: Ms. Dumita Google Meet link: https://meet.google.com/vtw-oirv-shc Session Chair: Dr. Kiran Thakur	Technical Session 06 (Offline) Venue: Room No. 411, Department of Mathematics & Statistics Coordinator: Dr. Manish Pal Session Chair: Prof. Manoranjan Singh
Technical Session 07 (Offline) Venue: University Science Hall Coordinator: Dr. Aarti Manglesh	Technical Session 08 (Offline) Venue: Room No. 412, Department of Mathematics & Statistics Coordinator: Dr. Rajeev Kumar

Session Chair: Prof. Arvind Yadav	Session Chair: Dr. Izhaar Uddin

DAY 2, 11TH MAY, 2025

INVITED TALKS	
Coordinators: Dr. Kritika and Mr. Sagar Vinayak	
Venue: University Science Hall	
(Invited Talk 06): Time: 09:00 AM – 09:35 AM (IST)	
Session Chair: Prof. Sita Ram	
Invited Speaker	Prof. Arvind Yadav, Hans Raj College, University of Delhi, Delhi
Title of Talk	Quantum Threat to Modern Cryptographic Schemes
(Invited Talk 07): Time: 09:40 AM-10:15 AM (IST)	
Session Chair: Prof. Arvind Yadav	
Invited Speaker	Prof. Shiv Kumar Kaushik, University of Delhi, Delhi
Title of Talk	Role of Frames in Greedy Algorithms and Quantum Information
(Invited Talk 08): Time: 10:20 AM - 10:55 AM (IST)	
Session Chair: Prof. Praveen Agarwal	
Invited Speaker	Prof. Narin Petrot, Naresuan University, Thailand
Title of Talk	Set Optimization Perspectives in Bilevel Problems: Existence and Approximation Concepts
(Invited Talk 09): Time: 11:00 AM - 11:35 AM (IST)	
Session Chair: Prof. Rajesh Sharma	
Invited Speaker	Prof. Takashi Sano, Yamagata University, Japan
Title of Talk	Around Convex Matrix Functions
Tea Break: 11:40 AM - 12:00 NOON	
(Invited Talk 10): Time: 12:00 PM - 12:35 PM (IST)	
Session Chair: Prof. Anita Tomar	
Invited Speaker	Prof. M. Sankar, University of Technology and Applied Sciences, Sultanate of Oman
Title of Talk	Numerical Solution of PDEs in Heat Transfer Problems
(Invited Talk 11): Time: 12:40 PM - 1:15 PM (IST)	
Session Chair: : Dr. Puhap Lata Sharma	
Invited Speaker	Prof. Praveen Aggarwal, Anand International College of Engineering Jaipur
Title of Talk	Recent Trends in Fractional Integral Inequalities and Their Applications
Lunch 1:15 PM-1:45 PM	
Technical Sessions (1:45 PM – 03:00 PM)	

Technical Session 09 (Online) Coordinator: Mr. Manpreet Singh Google Meet link: https://meet.google.com/mzu-obnp-qrb	Technical Session 10 (Online) Coordinator: Mr. Sagar Vinayak Google Meet link: https://meet.google.com/kap-jhpt-inu
Session Chair: Dr. Anjali Sharma	Session Chair: Prof. T. Gunasekran
Technical Session 11 (Online) Coordinator: Mr. Balkaran Singh Google Meet link: https://meet.google.com/hzp-bhue-stn	Technical Session 12 (Online) Coordinator: Dr. Sushil Kumar Google Meet link: https://meet.google.com/hcw-wpqa-okd
Session Chair: Dr. Pankaj Kumar	Session Chair: Dr. Aarti Manglesh
Technical Session 13 (Offline) Venue: University Science Hall Coordinator: Dr. Manish Pal	Technical Session 14 (Online) Coordinator: Mr. Nitish Google Meet link: https://meet.google.com/gzy-gitg-gpw
Session Chair: Prof. Shilpi Jain	Session Chair: Dr. Sanjay Sharma
Technical Session 15 (Online) Coordinator: Dr. Kritika Gupta Google Meet link: https://meet.google.com/kva-ubeo-ppi	Technical Session 16 (Online) Coordinator: Mrs. Ruchi Narang Google Meet link: https://meet.google.com/fbs-nxpv-pgy
Session Chair: Dr. Swati Singh	Session Chair: Dr. Rohit Patel
(Invited Talk 12): Time: 03:00 PM – 03:45 PM (IST) Session Chair: Dr. V. Vijayakumar	
Invited Speaker	Prof. Carla Pinto, Polytechnic University of Porto, Portugal
Title of Talk	Presenting Deterministic and Stochastic Models of Dengu – COVID- 19 Co infection
Tea Break: 03:45 PM -04:00 PM	
Valedictory Session Time: 4:00 +PM-5:00 PM Coordinators: Dr. Ajit Kumar and Dr. Kritika	
Convener's Report	Dr. Shabnam Sharma, Convener, HGP
Address by Guest of Honour	Prof. Shiv Kumar Kaushik, University of Delhi, Delhi Dr. Ramesh Thakur, Director IQAC, HPU
Address by Chief Guest	Prof. Prabhakar Gupta, Principal SRMS College of Engineering and Technology, Bareilly, Uttar Pradesh
Vote of Thanks	Dr. Pushap Lata Sharma, Co-Convener