(In Honour of Prof. Ram N. Mohapatra, University of Central Florida, USA, on the occasion of his retirement)
August 06-07, 2025,

Website: <a href="https://maanitjsr.github.io">https://maanitjsr.github.io</a>
SCHEDULE (Tentative)

Time is in IST (UTC+5:30) Format (Indian Standard Time)

	Day 01: August 06, 2025	Google Meet Link
09:00-09:30	INAUGURAL FUNCTION	_
	Chief Guest: Prof. Ram N. Mohapatra	
	(University of Central Florida, USA)	
09:40-10:30	Prof. Ram N. Mohapatra	hatter of the seat
	(University of Central Florida, USA)	https://meet.google.com/oyo-
	Title of Talk: Minimax Techniques in Optimal Control Problems	etwm-qrc
	and Machine Learning	
	(Session Chair: Prof. A. Swaminathan (IIT Roorkee))	
10:40-11:10	Prof. A. Swaminathan	
	(Indian Institute of Technology Roorkee, India)	
	Title of Talk: Ratio of hypergeometric functions in Function	
	Spaces	
	(Session Chair: Dr. Shakti Prasad (NIT Jamshedpur))	
11:20-11:50	Dr. Sheila M. Menchavez	
	(MSU- Iligan Institute of Technology, Philippines)	
	Title of Talk: Biorthogonal Approach to Fractional Poisson	
	Analysis	
	(Session Chair: Dr. Subha Sarkar (NIT Jamshedpur))	
12:00-13:30	Contributed Talk (Session 1)	
	(Session Chair: Dr. Pushpendra Kumar (MANIT Bhopal))	
12:00-13:30	Contributed Talk (Session 2)	https://meet.google.com/obt-gvuc-
	(Session Chair: Dr. Anish Kumar	<u>jir</u>
	(Dr. Shyama Prasad Mukherjee University, India))	
	BREAK	
15:00-15:30	Prof. Árpád Baricz	
	(Babeş-Bolyai University, Cluj-Napoca, Romania	
	Óbuda University, Budapest, Hungary)	
	Title of Talk: Infinitely divisible distributions involving modified	https://meet.google.com/oyo-
	Bessel functions	etwm-qrc
	(Session Chair: Prof. Saiful Rahman Mondal	
	(King Faisal University, Saudi Arabia))	
15:45-17:15	Contributed Talk (Session 3)	
	(Session Chair: Dr. Ajit Kumar Singh	
	(SVKM's NMIMS Indore, India))	
15:45-17:15	Contributed Talk (Session 4)	https://meet.google.com/obt-gvuc-
	(Session Chair: Dr. Rajat Kaushik (RIE, NCERT, Bhopal))	<u>iir</u>
17:45-18:15	Prof. Carla M. A. Pinto	
	(ISEP-Polytechnic of Porto, Portugal)	
	Title of Talk: The Good, the Bad, and the Evil: A Comprehensive	
	Analysis of Fractional Derivatives in Epidemiological Modeling	
	(Session Chair: Dr. Rajat Tripathi (NIT Jamshedpur))	
18:20-18:50	Prof. Howard Cohl	
	(National Institute of Standards and Technology, USA)	
	Title of Talk. Duadust integral representations for leachi	
	Title of Talk: Product integral representations for Jacobi	
	functions of the first and second kind, Nicholson-type formulas	https://meet.google.com/oyo-
	functions of the first and second kind, Nicholson-type formulas and integral addition theorems	https://meet.google.com/oyo- etwm-qrc
	functions of the first and second kind, Nicholson-type formulas	
19:00-19:30	functions of the first and second kind, Nicholson-type formulas and integral addition theorems (Session Chair: Dr. Rajat Tripathi (NIT Jamshedpur))  Dr. Anurag Shukla	
19:00-19:30	functions of the first and second kind, Nicholson-type formulas and integral addition theorems (Session Chair: Dr. Rajat Tripathi (NIT Jamshedpur))  Dr. Anurag Shukla (Rajkiya Engineering College, Kannauj, India)	
19:00-19:30	functions of the first and second kind, Nicholson-type formulas and integral addition theorems (Session Chair: Dr. Rajat Tripathi (NIT Jamshedpur))  Dr. Anurag Shukla	

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Day 02: August 07, 2025 Google Meet Link			
09:00-10:30	Contributed Talks (Session 5)	https://meet.google.com/oyo-	
	(Session Chair: Dr. Rakesh Kumar Meena (JNU, Delhi))	etwm-grc?hs=122&authuser=0	
09:00-10:30	Contributed Talks (Session 6)	https://meet.google.com/obt-	
05.00 10.50	(Session Chair: Dr. M. Pushpa Latha	gvuc-jir	
	(S.R.K.R. Engineering College, India)	<u>g-u-u-jj.</u>	
11:00-11:30	Dr. Rajitha Ranasinghe	https://meet.google.com/oyo-	
(Session 1)	(University of Peradeniya, Srilanka)	etwm-qrc?hs=122&authuser=0	
,	Title of Talk: Toward a Unified Theory of Bernstein and Markov-		
	type Inequalities in Polynomial, Rational, and q-Difference Settings		
	(Session Chair: Dr. Y. Ramu Naidu (NIT Jamshedpur))		
11:00-11:30	Dr. Subhas Khajanchi	https://meet.google.com/obt-	
(Session 2)	(Presidency University, India)	gvuc-jjr	
	Title of Talk: To be updated		
	(Session Chair: Dr. Snehasis Kundu (NIT Jamshedpur))		
11:30-12:00	Dr. Ratikanta Behera		
	(Indian Institute of Science, Bangalore, India)		
	Title of Talk: Importance of Tensors in Scientific Computing and Data		
	Science		
	(Session Chair: Dr. Y. Ramu Naidu (NIT Jamshedpur))	https://meet.google.com/oyo-	
12:05-12:35	Dr. Bappaditya Bhowmik	etwm-qrc?hs=122&authuser=0	
	(Indian Institute of Technology Kharagpur, India)		
	Title of Talk: Length distortion of curves under meromorphic		
	univalent mappings (Session Chair: Dr. Kanailal Mahato)		
12:40-13:10	Dr. Sriram Balasubramanian		
(Session 1)	(Indian Institute of Technology Madras, India)		
(50331011 1)	Title of Talk: C*-extreme entanglement breaking maps on		
	operator systems		
	(Session Chair: Dr. Kanailal Mahato)		
12:40-13:10			
(Session 2)	(Regional Institute of Education, Bhopal, India)	gvuc-jjr	
(50331011 2)	Title of Talk: Mathematical analysis of Predator-Prey systems and	gvac <u>jir</u>	
	their applications in real-world ecological scenarios		
	(Session Chair: Dr. Samiran Chakraborty (NIT Jamshedpur))		
	BREAK		
15:00-15:30	Dr. Khaled Mehrez		
	(Universite Tunis El Manar, Tunisia)		
	Title of Talk: Bounds for Tur'an-Type inequalities of Sections of		
	Certain Subclasses of Fox–Wright Functions		
	(Session Chair: Dr. Ratnesh Kumar Mishra (NIT Jamshedpur))		
15:40-16:10	Prof. Saiful Rahman Mondal		
	(King Faisal University, Saudi Arabia)	https://meet.google.com/oyo-	
	Title of Talk: Geometric features of solutions of the second-order	etwm-qrc?hs=122&authuser=0	
	differential equations		
	(Session Chair: Dr. Ratnesh Kumar Mishra (NIT Jamshedpur))		
17:00-17:30	Valedictory Session		
	Chief Guest: Prof. A. Swaminathan		
	(Indian Institute of Technology Roorkee, India)		

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Contributed Talk (Session 1): Date- August 06, 2025; Time- 12:00 to 13:30 (IST)

Google Meet Link: <a href="https://meet.google.com/oyo-etwm-qrc">https://meet.google.com/oyo-etwm-qrc</a>

Session Chair: Dr. Pushpendra Kumar (MANIT Bhopal, India)

ID	AUTHOR	TITLE OF TALK
271	Gayatri Pany	Inertial dynamics in the context of generalized convexity
97	Pirivina S	On generalized extended Srivastava's triple hypergeometric function and associated properties
236	Tanuj Kumar	Study of Linear Canonical Hankel Wavelet Transform
256	Prasadini Mahapatra	Generalized Wavelet Systems and Multiresolution Analysis on Cantor Dyadic and Vilenkin Groups
73	Gopal Priyadarshi	Numerical solution of hyperbolic inverse partial differential equations using Taylor wavelet method
86	Nidhi Shukla	Controllability of Impulsive Stochastic Differential Equations
235	Manish Raghav	CHAIN PROPERTIES OF NON-AUTONOMOUS SYSTEMS UNDER UNIFORM CONVERGENCE
275	Shraban Das	Coupled potential and L <sup>p</sup> Sobolev type spaces associated with coupled fractional Fourier transform

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Contributed Talk (Session 2): Date- August 06, 2025; Time- 12:00 to 13:30 (IST)

Google Meet Link: <a href="https://meet.google.com/obt-gvuc-jjr">https://meet.google.com/obt-gvuc-jjr</a>

Session Chair: Dr. Anish Kumar (Dr. Shyama Prasad Mukherjee University, India)

ID	AUTHOR	TITLE OF TALK
36	Jeet Sarkar	ENTIRE FUNCTIONS SHARING TWO SMALL FUNCTIONS IM WITH THEIR DIFFERENTIAL-DIFFERENCE OPERATORS
79	Barun Katoch	Strong Convergence and Stability Analysis of \$\mathfrak{B}_{\mathbb{K}}\$ Iterative Method for Nonlinear Fixed Point Problem
109	Lakshika Chutani	Analysis of Specific Properties of Entire Dirichlet Series in Several Complex Variables
127	Vinod Jatav	Exploring Unified Integral Forms of the Generalized Mittag-Leffler Type Function
203	Ankit Pal	Generalized integral transforms pertaining to five-parameter Mittag- Leffler (ML) function
232	Md Azizul Hoque	Iteration of Entire Functions with Finite Proximate Order : Sharing Three Values IM
233	Vinay Shukla	Complex zeros of generic \$\mathcal{R}_{II}\$ type polynomials
110	Agnihotri Roy	A class of generalized Mathieu-type series with associated properties and probability distributions

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Contributed Talk (Session 3): Date- August 06, 2025; Time- 15:45 to 17:15 (IST)

Google Meet Link: <a href="https://meet.google.com/oyo-etwm-qrc">https://meet.google.com/oyo-etwm-qrc</a>

Session Chair: Dr. Ajit Kumar Singh (SVKM's NMIMS Indore, India)

AUTHOR	TITLE OF TALK
TANMOY BARMAN	BOUNDEDNESS OF GENERALIZED ONE-SIDED MAXIMAL
	OPERATOR ON WEIGHTED ONE-SIDED MORREY SPACES
Snehasis Bera	Indefinite inner product on Bicomplex topological modules
Abey Kelil	A Modified Adomian Decomposition Method using New
	Integral Transform for solving some Dispersive KdV Equations
Uthara S	On Extended Voigt-Type Functions Involving Neumann
	Function and Their Related Bounds
Sahil Berwal	Generalized Stancu-Durrmeyer type Operators: Voronovskaya
	Theorems, Gruss Inequalities and Approximation Behavior
Mohabbat Ali	Geometry of Projective Curvature Tensor on a Riemannian
	Manifold
Vikas Srivastava	p-adic Analytical Methods for Solving the Discrete Logarithm
	Problem on Certain Classes of Elliptic Curves over Finite Fields
Anish Kumar	Certain geometric properties of Rabotnov function
B Sagar	Numerical simulation of fractional foam drainage equation modeling fluid flow
-	TANMOY BARMAN  Snehasis Bera  Abey Kelil  Uthara S  Sahil Berwal  Mohabbat Ali  Vikas Srivastava  Anish Kumar

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Contributed Talk (Session 4): Date- August 06, 2025; Time- 15:45 to 17:15 (IST)

Google Meet Link: <a href="https://meet.google.com/obt-gvuc-jjr">https://meet.google.com/obt-gvuc-jjr</a>

Session Chair: Dr. Rajat Kaushik (RIE, NCERT, Bhopal, India)

ID	AUTHOR	TITLE OF TALK
119	Dipankar Saha	Mathematical analysis of the Caputo Fabrizio E cigarette model
155	Mitali Maji	Application of control theory in an Alzheimer's disease mathematical model
106	K Ramya	Fractional Tikhonov regularization on non-homogeneous fractional backward heat conduction problems
133	SHADIYA NASRIN K B	Mittag-Leffler Regression Model for Fenoprofen Data
228	Mahmoud Moustafa	Dynamical Analysis of Hantavirus Infection Model
145	Nimai Sarkar	Analyzing Criteria for the Existence of Solution and UH Stability, Asymptotic Behavior of Fractional-Order Nonlinear Volterra Integro-Differential Equations Across Arbitrary Time Scales
246	Turhan Koprubasi	The properties for the inverse scattering problems of eigenparameter-dependent discrete Sturm-Liouville and Dirac operators
253	Nesrine IDIOU	Frailty model and dependence structure for bivariate survival data
255	Shankhadeep Mondal	A Unified Approach to Dual Frame and Dual Pair Optimality for Frame Erasures

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Contributed Talk (Session 5): Date- August 07, 2025; Time- 09:00 to 10:30 (IST)

Google Meet Link: <a href="https://meet.google.com/oyo-etwm-qrc">https://meet.google.com/oyo-etwm-qrc</a>

Session Chair: Dr. Rakesh Kumar Meena (JNU, India)

ID	AUTHOR	TITLE OF TALK
47	Bishal Sonar	Spectral Applications of the Closed Neighbourhood Corona Product of Graphs
183	Rachna Sachdeva	Certain classes of \$S\$-restricted \$n\$-color compositions
229	Mehsin Atteya	Stability of Hyper n-Homomorphisms and Hyper n-Derivations in Ternary Algebras
241	Tapaswini Mohanty	Fourier Analysis in Finite Fields and the Role of the Number Theoretic Transform in Polynomial Multiplication
242	Neha Neha	Two-Parameter Quantum Numbers and Factorials: A Comprehensive approach
101	Md Moid Shaikh	Partition regularity of \$a+b=cd\$ Near Zero
182	Shamik Chatterjee	On A Graph Over \$C^*(X)\$
251	Avisek Bist	Linearizations of Quadratic Two-Parameter Matrix Polynomials Via Newton Basis
140	Kokila Jayakumar	Parameter Estimation for the Fractional Pharmacokinetics Compartment Models

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Contributed Talk (Session 6): Date- August 07, 2025; Time- 09:00 to 10:30 (IST)

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Session Chair: Dr. M. Pushpa Latha (S.R.K.R. Engineering College, India)

ID	AUTHOR	TITLE OF TALK
113	Gannamaneni Charan	Profit investigation for partial batch service queueing system with balking
150	Nipa Biswas	Memory Effects on Inventory Model of Deteriorating Products with Discount Policy
169	Sharad Chaudhary	Transient analysis of DSTATCOM system under P, PD, PI and PID controllers
204	Bikram Dholey	Shear Horizontal Wave Dynamics in Smart Porous–Piezoelectric Systems with Electrically Induced Coupled Spring-Type Interface
224	Sonu Ram	INERTIAL BASED ALGORITHM FOR ASYMPTOTICALLY DEMICONTRACTIVE OPERATORS IN THE CONTEXT OF THE SCFPP
243	Nidhi Shukla	Stochastic Control Systems: From Mathematical Foundations to Engineering Implementation - A Comprehensive Survey
194	MUSKAAN SAINI	Application of triple orbit queue in healthcare sector
266	Auni Aslah Mat Daud	On The Non-Negativity and Boundedness of Solutions of Compartmental Models with Non-Negative Initial Conditions