

NATIONAL BOARD FOR HIGHER MATHEMATICS For Review : RESEARCH PROJECT PROPOSALS - 2024 (PART I) 1-214 - Prof. Jaikumar Chair-Research Project Committee					
<i>Sr</i>	<i>NBHM Ref No</i>	<i>Name, Affiliation & Address, Phone of PI/Applicant</i>	<i>Email ID/s</i>	<i>Title of the project</i>	<i>JRF is approved (only if requested)</i>
1	RP-4	Ambuj Pandey Department of Mathematics AB1-212 (Infinity Building) IISER Bhopal, Indore Bypass Road Bhauri, Bhopal 462066, Madhya Pradesh	Phone: 0755-2691283 Email: ambuj@iiserb.ac.in ambujpandey84@gmail.com	An accelerated, high-order iterative solver for acoustic and electromagnetic scattering from a penetrable inhomogeneous media	No
2	RP-9	Dr. Anurag Singh Room No. 211, SD2, IIT Bhilai, Kutelabhata Durg-491001, Chhattisgarh	Phone: 8957491349 Email: asinghiitg@gmail.com	Homomorphism complexes of directed graphs	No
3	RP-11	Ravinder Kumar Thakur Assistant Professor, Department of Mathematics Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab (India)	Phone: +91-9459259931; +91-7696508031 Email: thakurk@nitj.ac.in; ravithakurr557@gmail.com	A Study of Some Inequalities for Eigenvalues and Positive Linear Maps	Yes
4	RP-16	Prof. Vasudeva Rao Allu Professor (Mathematics) School of Basic Sciences Indian Institute of Technology Bhubaneswar, Odisha (State), PIN-752050, India.	Mobile No: 09564165479 Email id:avrao@iitbbs.ac.in	An investigation of multidimensional Bohr radii for holomorphic functions.	No
5	RP-20	Dr.P.SHAKILA BANU Assistant Professor (Selection Grade) Department of Mathematics Vellalar College for Women (Autonomous)	Phone : 9786588877 Email : shakimeeran10@gmail.com	Coding theory in Action: Transformative insights and Methodological Advancements in Non-Commutative Settings	Yes
6	RP-31	Dr. Md Abu Talhamainuddin Ansary Assistant Professor Department of Mathematics Indian Institute of Technology Jodhpur Jodhpur, India	Phone: +91-291-2801465 Email: mdabutalha@iitj.ac.in md.abutalha2009@gmail.com	Higher Order Stochastic Methods for Large Scale Multi-objective Optimization Problems	No
7	RP-35	Dr. Prasenjit Bal. Assistant Professor, Faculty of Science and Technology, The ICAFI University-Tripura, Kamalgat, West Tripura	Phone: +919774911053. Email: balprasenjit177@gmail.com.	ALGEBRAIC STRUCTURE OF THE RESIDUALS IN NON-COVERING TOPOLOGICAL ATTRIBUTES	No
8	RP-39	Dr. Jyoti Singh Assistant professor Department of Mathematics Visvesvaraya National Institute of Technology, Nagpur	Email: jyotijagrati@gmail.com, jyotisingh@math.vnit.ac.in Mobile: +917715060524	A study on F-singularity classes and their invariants using positive characteristic methods and differential operators	No
9	RP-53	Dr. Dibyendu Roy, Assistant Professor, Indian Institute of Information Technology Vadodara	Phone: +91 9474575596 Email: dibyendu.roy@iiitvadodara.ac.in , dibyendu.roy1988@gmail.com	Design and Analysis of Physically Unclonable Functions	No
10	RP-54	Dr. K. Somasundaram Professor and Chairperson Department of Mathematics Amrita Vishwa Vidyapeetham Coimbatore, Tamilnadu.	Phone: 9443657545 Email: s_sundaram@cb.amrita.edu	List Coloring for Product Graphs	No
11	RP-69	Tarkeshwar Singh, Professor, Department of Mathematics Birla Institute of Technology & Science, Pilani Co-PI- Dr. Siddharth Gupta	Phone: +91-832-2580435 E.mail: tksingh@goa.bits-pilani.ac.in	New Frontiers in Magic and Antimagic Labeling of Graphs	No
12	RP-176	Dr. Tuhin Ghosh, Harish-Chandra Research Institute, Chhatmag Road, Jhansi, Prayagraj 211019 Co-PI- Dr Harsha Hutridurga	Phone: +91-532-227 4391 Email: tuhinghosh@hri.res.in	Controlling wave propagation in highly heterogeneous media	No
13	RP-184	Dr. Gujji Murali Mohan Reddy Department of Mathematics, Birla Institute of Technology & Science Pilani Hyderabad campus, Hyderabad, Telangana – 500078, India	Phone: 040-66303669 Mobile:7569931437 Email: gmmreddy@hyderabad.bits-pilani.ac.in	A posteriori error estimation for parabolic partial differential equations	No
14	RP-191	Dr. I. Jeyaraman, Associate Professor, Department of Mathematics, National Institute of Technology Tiruchirappalli, Tiruchirappalli – 620015, Tamil Nadu, India	Mobile -988416431 Email id:jeyaraman@nitt.edu	Euclidean and circum-Euclidean distance matrices:characterization	No

15	RP-213	Sudip Bera, Dhirubhai Ambani Institute of Information and Communication Technology Correspondence address : Daiict college, Reliance Cross Rd, Gandhinagar, Gujarat 382007	Phone: 079-68261632 Email: sudip_bera@daiict.ac.in	Applications of commuting graphs to study the centralizer	Yes
16	RP-214	Jajati Keshari Sahoo Department of Mathematics, BITS Pilani, K.K. Birla Goa Campus, Zuarinagar- 403726, Vasco, Goa,	Phone: +91-7972741792, Email: jksahoo@goa.bits- pilani.ac.in	Computation of Generalized Inverses of Tensors and Tensc	Yes