

NATIONAL BOARD FOR HIGHER MATHEMATICS For Review : RESEARCH PROJECT PROPOSALS - 2024 (PART II) 1-258 - Prof. Jaikumar Chair-Research Project Committee					
Sr. No.	Sr	NBHM Ref No	Name, Affiliation & Address, Phone of PI/Applicant	Email ID/s	Title of the project
1	6	RP-6	Prakashkumar A. Dabhi Department of Basic Sciences, Institute of Infrastructure Technology Research and Management (IITRAM), Near Khokhra Circle, Ahmedabad, Gujarat. Phone: 9558808167	prakashdabhi@iitram.ac.in, lightatinfinite@gmail.com	Study of some spectral properties of Banach algebras
2	10	RP-10	Dr Aishwarya S. Assistant Professor Department of Mathematics Manipal Institute of Technology Manipal-576104, Karnataka, India. Phone: +91 7795153473	s.aishwarya@manipal.edu	Fractal Structure of Algebras based on Permutation Identities and its Topological Properties
3	16	RP-16	Rattan Lal Assistant Professor, Department of Mathematics Punjab Engineering college, Sector 12, Chandigarh 160012 Phone: 7011279371	rattanlal@pec.edu.in	Amenability, Convolution Algebras, and Isomorphism in Orlicz Figa Talamanca Herz Algebras
4	34	RP-34	Pankaj Kumar Das Associate Professor Department of Mathematical Sciences Tezpur University, Napaam Sonitpur, Assam-784028 Phone: 03712-27-5520/09560154164	pankaj4@tezu.ernet.in	DNA codes dealing with different error patterns
5	39	RP-39	Mehak Sharma Asstt. Professor Department of Mathematics Central University of Jammu, Samba, J& K-181143 S D Sharma 09419173577	smehak14@gmail.com, mehak.math@cuammu.ac.in	Concrete Operators on Möbius Invariant Spaces and Geometry of Holomorphic Maps
6	40	RP-40	Ashish Pathak, Associate Professor, Department of Mathematics, Institute of Science Banaras Hindu University, Varanasi- 221005, India. Phone:+ 91 9451317126	ashishpathak@bhu.ac.in	Characterizing wavefront sets of the solutions to the Schrödinger equations using the Stockwell transform and it's application
7	41	RP-41	Abhay Kumar Department of Mathematics HNB Garhwal Central University, Srinagar, Uttarakhand Mob.: 9599219237	abhaykumar288@gmail.com	Dynamics of Tuples of Operator Semigroups
8	42	RP-42	V.Pragadeeswarar Assistant Professor Department of Mathematics Amrita School of Engineering Amrita Vishwa Vidyapeetham Coimbatore 641112, Tamilnadu. Phone: 9659311515	v_pragadeeswarar@cb.amrita.edu	Existence of fractals through best proximity points
9	47	RP-47	Kanika Sood School of Science, Manufacturing and Infrastructure, Kaushalya-The Skill University, Block-3, VGEC Campus, Chandkheda, Ahmedabad- 382424, Gujarat, India. Phone: 7807811243	soodkanika1212@gmail.com, kanika.sood@kaushalyaskilluniversity.ac.in	Geometric and Topological Properties of Paracontact Manifold
10	60	RP-60	Monojit Bhattacharjee Assistant Professor, Department of Mathematics, Birla Institute of Technology and Science, K K Birla Goa Campus Goa- 403726.	monojit.hcu@gmail.com	Algebraic Pair of Commuting 2-isometries
11	62	RP-62	Fouzul Atik Neerukonda, Mangalagiri, Guntur, Andhra Pradesh, India 522502. Phone: 09153682662	fouzulatik@gmail.com, atik.f@srmmap.edu.in	Spectral and Algebraic Investigations of Matrices Associated with Graphs
12	70	RP-70	Rasmita Kar Assistant Professor (Department of Mathematics) National Institute of Technology Rourkela National institute of technology Rourkela, Sector 1, Rourkela, Sundargarh, Odisha, India- Phone: 9972035025	rasmitak6@gmail.com; karr@nitrkl.ac.in	Existence and multiplicity results for a class of elliptic PDEs with nonlinearities and singular term

13	94	RP-94	Manisha Aggarwal Assistant Professor Dept. of Mathematical and Computational Sciences National Institute of Technology Karnataka, Surathkal Mangaluru-575025 Karnataka, India Mobile No.: +91- 9868476066	manisha@nitk.edu.in	A Study of Lipschitz-type functions.
14	109	RP-109	Sishu Shankar Muni School of Digital Sciences, Digital University Kerala Pallipuram, PIN 695317, Kerala, India Phone: 7894171567	sishushankarmuni@gmail.com	Beyond Arnold Tongues: The Role of Extreme Curves, Superstable Curves, and Invariant Manifolds in the Bifurcation Structure of Chaotic Mappings
15	110	RP-110	Meenakshi Rana Department of Mathematics Thapar Institute of Engineering & Technology, Patiala-147004, Punjab, India Phone: Mobile No.-09646014128	mrana@thapar.edu	A study of minimal and maximal excludants in integer partitions.
16	111	RP-111	Ranjit Mehataari Room No. MN 314, Department of Mathematics, National Institute of Technology Rourkela, Rourkela – 769008, Odisha, India Phone: 9932246700	mehatarir@nitrkl.ac.in, ranjitmehataari@gmail.com	Understanding combinatorial features of graphs through their spectrum
17	112	RP-112	Animesh Bhandari Department of Mathematics, SRM University – AP, Mangalagiri, Guntur, Andhra Pradesh - 522240 Phone: +91 8257041061, +91 8327615186	bhandari.animesh@gmail.com, animesh.b@srmmap.edu.in, choiti.b@srmmap.edu.in	Weaving Frames and Balian-Low Theorem for Locally Compact Abelian Groups
18	113	RP-113	Mushtaq Ahmad Bhat Department of Mathematics, NIT Srinagar, Jammu & Kashmir, India-190006. Phone: +91-9906856689	mushtaqab@nitsri.ac.in	A study of singular values of directed graphs.
19	116	RP-116	Satyanarayana Engu Associate Professor Department of Mathematics, National Institute of Technology Warangal Hanumakonda, Telangana-506004 Phone: 9611422816	satya@nitw.ac.in	Decay estimates for the solutions to dissipative nonlinear equations
20	123	RP-123	Sudhakar Department of Basic Sciences (Mathematics), IITRAM, Ahmedabad-380026, Gujarat Phone: 9958684067	dr.sudhakarchaudhary@gmail.com; sudhakarchaudhary@iitram.ac.in	Isogeometric Approximation of Steklov eigenvalue problems for Biharmonic and Laplace Operators
21	132	RP-132	Debmalya Sain Indian Institute of Information Technology Raichur, Govt. Engineering College Campus, Yermarus camp, Raichur, 584135. Phone: 9113680790+91 6363996166	info@iiitr.ac.in	An exploration of the geometry and the extreme values of polynomials
22	148	RP-148	Kalyan Hansda Asstt. Professor, Dept. of Mathematics Visva-Bharati(A central university), Santiniketan, West Bengal, India. 8617538830, 9734202141	kalyan.hansda@visva-bharai.ac.in, kalyanh4@gmail.com	Characterisation and Linear Algebraic analysis of 2-shift Monomial Codes over finite fields
23	168	RP-168	Jagannath Bhanja Office-119J Department of Sciences & Humanities Indian Institute of Information Technology, Design & Manufacturing, Kancheepuram Melakottaiyur, Chennai, Tamil Nadu, 600127 Phone: +91 44 2747 6145; +91 9438856415	jagannath@iiitdm.ac.in; jbhanja90@gmail.com	On Freiman-Lev conjecture for restricted sumsets
24	224	RP-224	Smita A. Kandeekar Department of Mathematics, Savitribai Phule Pune University, Pune 411007 Phone: 9011061703	smitakandeekar54@gmail.com	Decomposition Problems in Augmented Cubes and Related Aspects
25	233	RP-233	Izhar Uddin Department of Mathematics, Jamia Millia Islamia New Delhi-110025 Phone: +918527862623	izharuddin1@jmi.ac.in	A study of boundary value problems via fixed point iterations
26	243	RP-243	Gurmeet Kaur Bakshi Department of Mathematics, Panjab University, Chandigarh, Phone: 9914001444	gkbakshi@pu.ac.in	The algebraic structure of semi simple group algebras
Total Application-258					