Faculty Profile

Name : Dr. Shivarajkumar Designation : Associate Professor Department : Mathematics Contact Details: E-mail : shivarajmacs@nie.ac.in Phone : 9731854570	

About me:

Qualification:

B.Sc. (Mysore Univ.), M.Sc (Mysore Univ.), Ph.D. (NITK Suratkal)

Courses Taught:

UG:

Linear Algebra

Probability & Statistics

Number Theory & Cryptography

Optimization

Numerical methods

Differential Equations

PG:

Discrete Mathematics

Publications:

Journal Publication:

- A note on least nonresidue modulo prime p, Proceedings of Jangjeon Mathematical Society, 25, 355-357, 2022

- Graceful labeling of digraphs-A survey, AKCE International Journal of Graphs & Combinatorics, 18, (3) 143-147, 2021

- Further results on graceful digraphs, International Journal of Applied and Computational Mathematics, 2, 315-325, 2016

- Beyond Schur's conjecture, American Mathematical Monthly, 123, 66-70, 2016

- On k–graceful digraphs, Utilitas Mathematica, 95, 161-173, 2014

- On graceful unicyclic wheels, ARS Combinatoria, 117, 47-64, 2014

- Two conjectures on graceful digraphs, Graphs & Combinatorics, 29, 933-954, 2013

Other achievements:

Funded Research Projects Completed

Sl.No.	Title of the Research Project	Funding Agency	Amount	Duration	Year (From - To)
1	Combinatorial bounds related to the number of Arithmetic progressions of quadratic residues and nonresidues modulo prime p	National Board for Higher Mathematics (NBHM)	20,46,560/-	3 years	2022-2025

Resource Person: Technical Seminar/Workshop/Refresher Course/NBA/NAAC

Sl.No.	Details of Technical Seminar / Workshop/Refresher Course / NBA/NAAC	Dates (From - To)		Institute / University with Address
1	International Conference on Graph theory and NUmber theory	June 2019	June 2019	Mysore University
2	International conference on graph labeling and its applications	Sep 2020	Sep 2020	Goa University
3	International conference on graphs,networks and Combinatorics	10/01/2023	12/02/2023	Ramanujan's College, University of Delhi

Assignments / Deputation to Outside Institutions / Universities

Sl.No.	Nature of Assignment	Institution / University where Assignment taken	Dates (From - To)		Sponsoring Agency
1	BOS member	VVCE Mysore	2024	2026	

Honours / Awards / Distinction received

Sl.No.	Details of Honours / Awards / Distinction received	Conferring Agency	Date of Award
1	Best paper Award	IIT Madras	10/11/2010

Membership in Professional Bodies/University bodies/Organizations

Sl.No.	Type of Membership	Professional Bodies/University bodies/Organizations/Others	Period of Membership
1	Life member	Academy of Discrete Mathematics and Applications (ADMA)	Lifetime

Number of Candidates Presently working for M.Sc., (By Research) & Ph.D. Degree under your Guidance

Sl.No.	Name of the Candidate with USN	Degree for which Registered	Title of the Thesis	Commence ment Year	Probable date of Submission
1	Santhosh Kumar P N 4NI19PMA01	PhD	A study of Graph Labelings	2019	2027
2	Swathi D N 4NI20PMA02	PhD	On Graceful llabeling of directed graphs and their applications	2020	2027
3	Roopa A E	PhD	Construction of graceful labeling of digraphs using Abelian groups	2020	2028

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