

Mathematics Awardees

Year: 2024 - 25

Winner

Md Irfan Habib

Institute: Indian Institute of Science, Bangalore, Karnataka

Supervisor: Prof R Venkatesh

Project Title: “Root Generated Subalgebras of Symmetrizable Kac-Moody Algebras”

Runner Up – I

Mainak Bhowmik

Institute: Indian Institute of Science, Bangalore, Karnataka

Supervisor: Prof Tirthankar Bhattacharyya

Project Title: “Herglotz's Representation and Caratheodory's Approximation”

Runner Up – II

Shivangi Yadav

Institute: Indian Institute of Technology, Gandhinagar, Gujarat

Supervisor: Prof Projesh Nath Choudhury

Project Title: “Sign Regular Matrices and Variation Diminution: Single-Vector Tests and Characterizations”

Year: 2023 – 24

Winner

Ms. Renu Joshi

Indian Institute of Science Education and Research, Bhopal, Madhya Pradesh

Supervisor: Dr. Siddhartha Sarkar

Topic for which Awarded: “On the Schur Multiplier of Finite p -groups of Maximal Class”

Runner Up – I

Mr. Pinlodi Mohan

Indian Institute of Technology, Hyderabad, Telangana

Supervisor: Dr. Venku Naidu D

Topic for which Awarded: “Integral Representation of Radial Operators on the Bergman Space over the Unit Disc”

Runner Up – II

Mr. Joydev Halder

University of Hyderabad, Hyderabad, Telangana

Supervisor: Prof Suman Kumar Tumuluri

Topic for which Awarded: “An Implicit Finite Difference Scheme to Approximate the Solution to the Mckendrick-Von Foerster Equation with Diffusion with the Robin Boundary Condition”

Year: 2022 - 23

Winner

Mr. Abhay Jindal

Indian Institute of Science, Bengaluru, Karnataka

Supervisor: Prof. Tirthankar Bhattacharyya

Topic for which Awarded: “Complete Nevanlinna-Pick Kernels and the Characteristic Function”

Runner Up I

Ms. Shanola Smitha Sequira

Indian Institute of Technology, Hyderabad, Telangana

Supervisor: Prof G. Ramesh

Topic for which Awarded: "Absolutely Norm Attaining and Absolutely Minimum Attaining Toeplitz Operators"

Year: 2021 - 22

Winner

Mr. Pritam Ganguly

Indian Institute of Science, Bengaluru, Karnataka

Supervisor: Prof. Sundaram Thangavelu

Topic for which Awarded: "An Uncertainty Principle Regarding the best Possible Decay of the Spectral Projections Associated with Hermite, Special Hermite and Laplace - Beltrami Operators on Rank one Compact Symmetric Spaces"

Runner Up - I

Mr. Poornendu Kumar

Indian Institute of Science, Bengaluru, Karnataka

Supervisor: Prof. Tirthankar Bhattacharyya

Topic for which Awarded: "Distinguished Varieties with Respect to the Bidisk and the Symmetrized Bidisk"

Runner Up - I

Mr. Akshay Kumar

University of Hyderabad, Hyderabad, Telangana

Supervisor: Prof. R Radha

Topic for which Awarded: "Riemann Problem for Rate-Type Materials with Nonconstant Initial Conditions"

Year: 2020 - 21

Winner

Mr. Arvind Kumar

Indian Institute of Technology, Madras, Chennai, Tamilnadu

Supervisor: Prof A. V. Jayanthan

Topic for which Awarded: "Regularity of Powers of Quadratic Sequences with Applications to Binomial Ideals"

Runner Up - I

Mr. Kousik Dhara

Institute : Indian Institute of Technology, Madras, Chennai, Tamilndu

Supervisor : Prof. S. H. Kulkarni

Project Title : “The (n, \hat{I}) -Pseudospectrum of an Element of a Banach Algebra”

Runner Up - II

Mr. Kalane Sagar Balasaheb

Indian Institute of Science Education and Research, Mohali, Punjab

Supervisor : Dr. Krishnendu Gongopadhyay

Project Title : "Classification of Pairs of Quaternionic Hyperbolic Isometries"

Year: 2019 - 20

Winner

Dr. Tarun Dalal

Indian Institute Technology, Hyderabad, Telangana

Supervisor: Dr. Narasimha Kumar

Topic for Which Awarded: “On Non-Vanishing of the Fourier Coefficients of Primitive Forms”

Runner-up – I

Dr. Soumitra Dey

Indian Institute of Technology, Chennai, Tamilnadu

Supervisor: Prof. V Vetrivel

Topic for Which Awarded: “Neutral Network Approach to the Variational Inclusion Problem”

Year: 2018 – 19

Winner

Dr. Anindya Biswas

Indian Institute of Science, Bangalore, Karnataka

Supervisor : Prof. Tirthankar Bhattacharyya

Topic for which Awarded: “On The Nevanlinna Problem ”

Runner-up – I

Dr. N Durga

The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Tamil Nadu

Supervisor : Dr. P Muthukumar

Topic for which Awarded: “Stochastic Optimal Control of Fractional Differential Equation with Deviated Argument and Fractional Differential Inclusion with Non-instantaneous Impulses ”

Runner-up – II

Dr. P Devi Priya

Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu

Supervisor : Dr. S Monikandan

Topic for which Awarded: "A Reduction of the Reconstruction Conjecture"

Year: 2017 - 18

Winner

Dr. Arka Mallick

TIFR-Centre for Applicable Mathematics, Bangalore, Karnataka

Supervisor : Prof Kunnath Sandeep

Topic for which Awarded: "A Hardy Type Inequality on Fractional Order Sobolev Spaces on the Heisenberg Group"

Year: 2016 - 17

Winner

Dr. S Aiyappan

Indian Institute of Science, Bangalore, Karnataka

Supervisor: Prof. A. K. Nandakumaran

Topic for which Awarded: "Optimal Control Problem in a Domain with Branched Structure and Homogenization"

Year 2015-16

Winner

Dr. Haripada Sau

Indian Institute of Science, Bangalore, Karnataka.

Supervisor: Prof. Tirthankar Bhattacharyya

Topic for which Awarded: "A Note on Tetrablock Contractions"

Runner-up

Dr. Ratna Pal

Indian Institute of Science, Bangalore, Karnataka

Supervisor: Prof. Kaushal Verma

Topic for which Awarded: "Dynamics of Skew Products of He'non Maps".

Year 2014-15

Winner

Dr. B Pradeep

Indian Institute of Science, Bangalore, Karnataka.

Supervisor: Prof. S Thangavelu

Topic for which Awarded: “On the Chaotic Behavior of the (Dunkl) Heat Semigroup on Weighted L_p Spaces”

Runner up I

Dr. K Ambika

Central University, Hyderabad, Telangana

Supervisor: Prof. R Radha

Topic for which Awarded: “Progressive Waves in Non Ideal Gases”

Runner up – I

Dr. A Srinivasan

College of Engineering, Guindy Campus, Anna University, Chennai, Tamilnadu

Supervisor: Prof. N Rajendran

Topic for which Awarded: “Electrochemical Corrosion Behavior of Chemical Conversion Coated AZ31 Magnesium Alloy in Simulated Body Fluid Solution”

Runner up - I

Dr. Manish Kumar Mishra

Indian Institute of Science, Bangalore, Karnataka.

Supervisor: Prof. Gautam R Desiraju

Topic for which Awarded: “Solid Solution Hardening of Molecular Crystals”

Runner up - II

Dr. M Madhumala

Indian Institute of Chemical Technology, Hyderabad, Telangana

Supervisor: Prof. S Sridhar

Topic for which Awarded: “Recovery of Valuable Organic and Inorganic Compounds using Membrane Contractor Systems”

Year – 2013-14

Winner

Dr. P Chiranjeevi

University of Hyderabad, Hyderabad, Telangana

Supervisor: Prof. V Kannan

Topic for which Awarded: “Dynamics on Locally Compact Hausdorff Spaces”

Runner Up I

Dr. K Bhargav Kumar

University of Hyderabad, Hyderabad, Telangana

Topic for which Awarded: “Nonlinear McKendrick - von Foerster equation with diffusion.”

Runner Up II

Dr. K Rajya Lakshmi

Acharya Nagarjuna University, Guntur, Andhra Pradesh

Supervisor: Prof. B. Re. Victorbabu

Topic for which Awarded: “On second order slope rotatable designs under tri-diagonal correlation structure of errors.”

Year – 2012-13

Special Consideration Award

Dr. R Ramu Naidu

Indian Institute of Technology, Hyderabad, Telangana

Supervisor: Dr. S Sastry Challa

Topic for which Awarded: “Deterministic constructions of Compressed Sensing(CS) matrices: Theory and Applications”.

Year – 2011-12

Winner

Dr. Sharan Gopal

University of Hyderabad, Hyderabad, Telangana

Supervisor: Prof. V. Kannan

Topic for which Awarded: “Study of the Periodic Points of Homeomorphisms on Compact Metric Spaces with Finite Derived Length”

Special Awards to Out-Station

Dr. D Krishna Kiran Vamsi

Sri Satya Sai University, Puttaparthi, Andhra Pradesh

Supervisor: Dr. Pallav Kumar Baruah

Topic for which Awarded: “Disconjugacy and Nonoscillation Domains for Nonlinear Singular Interface Problems on Semi-Infinite Time Scales”

Year – 2010-11

Winner

Dr. Penugurthi Murali

Andhra University, Visakhapatnam, Andhra Pradesh

Supervisor: Dr. K. Rajendra Prasad

Topic for which Awarded: “Multiple Symmetric Positive Solutions for Two-Point Boundary Value Problems on Time Scales”

Year – 2009-10

Winner

Dr. K Ali Akbar

University of Hyderabad, Hyderabad, Telangana

Supervisor - Prof. V. Kannan

Topic for which Awarded: “Set of Periods of a Linear Operator”

Runner Up I

Dr. Debarjoyti Choudhuri

University of Hyderabad, Hyderabad, Telangana

Supervisor: Prof. B. Sri Padmavati

Topic for which Awarded: “Stokes Flow”

Runner Up II

Dr. Kiran Kumar Gurubilli

Andhra University, Visakhapatnam, Andhra Pradesh

Supervisor: Dr. P. D. N. Srinivasu

Topic for which Awarded: “Periodic Solutions for an Equation Governing Dynamics of a Renewable Resource Subjected to Allee Effects”

Year – 2008-09

Winner

Dr. K. Vishnu Namboothiri

University of Hyderabad, Hyderabad, Telangana

Supervisor: Prof. Rajat Tandon

*Topic for which Awarded: "Algebraic number theory, Automorphic forms over local fields.
Published paper: Completing an Extension of Tunnel's Theorem"*

Year – 2007-08

Winner

Dr. B.S.R. Vara Prasad

Andhra University, Visakhapatnam, Andhra Pradesh

Supervisor: Dr. P.D.N. Srinivasu

***Topic for which Awarded: "Biological Control Through Provision of Additional Food to
Predators: A Theoretical Study."***