राजीव गांधी राष्ट्रीय युवा विकास संस्थान
RAJIV GANDHI NATIONAL INSTITUTE OF YOUTH DEVELOPMENT (RGNIYD)
युवा कार्यक्रम विभाग / DEPARTMENT OF YOUTH AFFAIRS
युवा कार्यक्रम एवं खेल मंत्रालय, भारत सरकार
MINISTRY OF YOUTH AFFAIRS & SPORTS, GOVERNMENT OF INDIA
श्रीपेरुम्बुदूर SRIPERUMBUDUR – 602105 / तमिल नाडु/TAMIL NADU

आज़ादी का अमृत महोत्सव

G20

NATIONAL CONFERENCE ON
MATHEMATICAL MODELING, ANALYSIS & COMPUTATION
(NCMMAC-2023)

Theme: "Youth Threads through Mathematics"

Date: June 6-7, 2023; Venue : Seminar Hall, RGNIYD Campus

Patron

Prof. Sibnath Deb
Ph.D, D.Sc
Director, RGNIYD

Convener

Dr. Parthasakha Das
Assistant Professor & Head(i/c)
Department of Mathematics
RGNIYD

Co-Convener

Dr. K Srikanth
Faculty(On Contract)
Department of Mathematics
RGNIYD

Speakers

Prof. Tanmoy Som
IIT BHU

Prof. Tirupathi Roa Padi
Pondicherry University

Prof. Prasanta Chatterjee
Visva Bharati

Prof. Joydev Chattopadhyay
ISI kolkata

Prof. Nandadulal Bairagi
Jadavpur University

Prof. Samarjit Kar
NIT Durgapur

Dr. Samit Bhattacharyya,
Associate Professor
Shiv Nadar University

Prof. Arvind Kumar Misra
BHU

Organized By
Department of Mathematics

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Registration form

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About RGNIYD

The Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur, Tamil Nadu, is an Institute of National Importance established by an Act No.35/2012 of the Parliament of India, under the Ministry of Youth Affairs and Sports, Government of India. It functions as a vital resource centre by offering academic programmes, viz., Under Graduate, Post Graduate, Ph.D., and Diploma programmes, encompassing various dimensions of youth development, engaging in seminal research in the vital areas of youth development and conducting training programmes catering to the need of youth across the country. RGNIYD has close cooperation with various state agencies, NSS, NYKS, and developmental organisations in the implementation of its training programmes. Being an apex body for youth development, the RGNIYD strives to develop into a globally recognised and acclaimed centre of academic excellence in the field of youth development, fully responsive to the national agenda for inclusive growth, and the needs and aspirations of young people of the country to realise their full potential to create a just society.

About the Department

The department offers a two-year M.Sc. programme in Mathematics through CUET, established in 2021. The Department explores ways to combine excellence in education with service to industry. The curriculum comprises Pure as well as Applied Mathematics along with Statistics, Machine Learning and Deep Learning, which have sufficient exposure to hands-on skills leading to higher employability. The department also offers certificate courses in MOOC/SWAYAM/NPTEL/Softcore. Moreover, we arrange several seminars, special lecture series, conferences, and workshops to keep the students motivated and energetic throughout the year. We promote student awareness for life-long learning and introduce them to academic as well as professional ethics and integrity. The Department of Mathematics believes in building careers, enriching minds, and providing a remarkable experience that lasts a lifetime.

Vision of the Department

Department of Mathematics aspires to contribute to the nation through quality education and research in Mathematics to involve in real-world problem, project work that enable them to serve a variety of roles in various situations in employment and research to meet societal needs.

Mission of the Department

- To impart quality education in postgraduate level in Mathematics
- To mentor students by providing them an environment that is supportive in fostering intellectual skills.
- To produce graduates with right attitude who are ready to face the societal and professional challenges.
- To train the graduates with skillsets required for interdisciplinary research
- To utilize the diverse mathematical and statistical skills for providing consultancy services that solves the societal and industrial problems.

About the Conference:

The main objectives of this conference is to bring together academicians, researchers and research scholars to exchange and share their knowledge, experience and research results on different parts of mathematical modeling and its applications in various fields. In addition, NCMMAC-2023 will provide a platform for participants to present their research findings and also will serve as a stage for exchanging knowledge in Mathematical Modeling, Analysis and its Applications.

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Thrust Areas:

- Mathematical Modeling
- Operation research
- Decision Making
- Fuzzy systems
- Dynamical systems
- Mathematical Epidemiology & ecology
- Infectious disease Modelling
- Bio-Fluid Dynamics
- Modelling of physical systems
- Game Modelling
- Numerical Analysis
- Statistical Data Analytics
- Complex Systems
- Optimization
- Probability and statistics
- Machine learning and Deep learning
- Differential Equations

Registration

Category	Registration Fee – Early Bird	Registration Fee From June 1, 2023
Paper / Poster Presentation By students	300/-	400/-
Presentation By Research Scholars	500/-	600/-
Presentation By Academicians	800/-	900/-
Only Participation BY Students	200/-	300/-
Participation By Academicians	500/-	600/-

Guidelines for Authors

All full Papers/Abstract should be submitted electronically to mathhod2022@gmail.com   Extended Abstract Length 300 Words, Keywords 3-5 words, Font Size and Style 12 point, Times New Roman , Line Spacing 1.5,Citation Style APA, Format MS Word file in DOC and DOCX.

Publication

A few selected papers will be peer-reviewed followed by recommendation for journal review in a special issue (Scopus/WoS/ESCI indexed journals). Remaining peer reviewed accepted papers will be published in journal proceedings.

Further Details

- For those willing to present a paper, the abstract should be submitted on or before 31th, May 2023.
- Interested participants may register for the conference by submitting the Google Form (Link Attached to the Flyer), before 31th May, 2023.
- Lunch and refreshments will be provided to all the registered participants.
- Certificates will be provided to all the attendees.
- Requirements for accommodation and dinner may be mentioned on a priority basis, due to limited availability of rooms with self paid service.
- No TA/DA will be provided to participants coming for the conference.

Convener: 7003796291
Co-Convener: 9488305643

Student Co-ordinators

- Ms. Aswini. T. (8592094218)
- Ms. Kavya. K (7025712459)
- Ms. Reshmi V. P. (8129725370)
- Mr. Anargh. T. (7736585213)
- Ms. Vaishnavi Suresh(8590219101)
- Mr. Ankit Kumar Yadav(9984073910),
- Mr. Sanjeeva Reddy(9392233989),
- Mr. Rohit Sahu(7978407229)
- Ms. Kalaiarasi R. C.(6382409427)
- Ms. Radhika B.R(8606714417)
- Ms S. Nandhana(7639569599)
- Ms. Roshni Somawar(6261788859)

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