



National Webinar On Differential Equations and Applications

September 27, 2023, 11:30 am onwards



ABOUT THE WEBINAR

The main objective of this national webinar is to provide a forum for students in the field of Differential Equations and Applications. The application areas of differential equations are diverse and multidisciplinary, covering areas of applied science and engineering that include physics, chemistry, biology, fluid mechanics, finance, industrial mathematics, and more, in the form of modeling, computations, and simulation. Mathematical modeling through differential equations plays an important role in analyzing the physical behavior of real-life problems. Therefore differential equations always attract the scientific communities and researchers. The recent developments in the area of Ordinary and Partial Differential Equations, Fluid Mechanics, Numerical Methods, Dynamical Systems, Initial and Boundary Value Problems, Integral Differential Equations, etc. will be discussed. It will provide participants with the necessary fundamental knowledge of Differential Equations, mathematical modeling and its applications in different areas of science and engineering.

Organized by:

Department of Mathematics
Faculty of Basics Sciences
Rajiv Gandhi University, Rono Hills,
Doimuk, Itanagar, AP-791112, India

Invited Speakers

Dr. Dharmendra Tripathi, Associate Professor, Department of Mathematics National Institute of Technology, Uttarakhand.
Dr. Jai Prakash Tripathi, Assistant Professor, Department of Mathematics, Central University of Rajasthan.

Convenor

Dr. Jagdish Prasad Maurya, RGU

Co-Convenor

Dr. Dipak Barman, RGU

No registration fee

Registration: Scan QR Code
or Click on the Link

<https://forms.gle/ZuNjpTitE87nHmXR7>



ABOUT THE UNIVERSITY

The Rajiv Gandhi University (formerly Arunachal University) is the premier Institution for higher education in the state of Arunachal Pradesh located at the picturesque tabloid of Rono Hills approximately 25 km away from the state capital Itanagar. Late Smt. Indira Gandhi, the then Prime Minister of India, laid the foundation stone of the University on 4th February 1984 at Rono Hills. Ever since its inception, the University has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The University was recognized as a Central University in the year 2007 established under the Act of Parliament. Being the lone Central University of the State at present there are Thirty-Six (36) Departments and Three (03) Institutes functioning under Eleven (11) Academic Faculties. The faculty members have been actively engaged in research activities. The University has been maintaining its academic credibility and has been recognized by UGC as a center with potential for excellence. Rajiv Gandhi University (RGU), the lone central varsity in Arunachal Pradesh, has secured the second position among all central varsities in the country. Rajiv Gandhi University, Arunachal Pradesh has also been awarded the title of Best Central University of the Year 2020 during the 3rd Himalayan Educators Summit-2020 and 3rd Divya Hingiri Himalayan State Education Excellence Award-2020 to recognize the efforts of leading educational institutes of the Himalayan States that are substantially contributing to the Education sector.

ABOUT THE DEPARTMENT

The Department of Mathematics is an important constituent of the faculty of Basic Sciences since 2005, the year when it was established. The department offers two-years (Four Semesters) M.A./M.Sc. programme in Mathematics & Computing. In addition, the Department offers Ph. D. programme in Mathematics & Computing in different research areas of Pure and Applied Mathematics. The faculty members are specialized in various areas of Algebra, Analysis, Atmospheric Vortex Dynamics, Fluid Dynamics, Number Theory and Applied Mathematics. The department aims to train people who are oriented towards research and teaching in advanced areas of Pure and Applied Mathematics. The objectives of the Department are to impart quality education through M. Sc., and Ph. D. programmes, promote theoretical and applied research, and develop interaction with other Departments of the university and other organizations.

Organizing Committee

Chief Patron:

Prof. Saket Kushwaha, Hon'ble Vice Chancellor, RGU

Patrons:

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Prof. Sanjeev Kumar, Dean, Faculty of Basic Sciences, RGU

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Contact Persons

Dr. Jagdish Prasad Maurya, RGU
Email: jagdish.Maurya@rgu.ac.in
Mob. No. 09795784415)
Dr. Dipak Barman, RGU
Email: dipak.barman@rgu.ac.in
Mob. No. 08389045421