



“CELEBRATING RAMANUJAN”
(National Mathematics Day)



VIT-AP
UNIVERSITY



NATIONAL SEMINAR ON RECENT TRENDS IN MATHEMATICS

22nd DECEMBER, 2023 (Online Mode)

Organized by Department of Mathematics, School of Advanced Sciences, VIT-AP University

[#Department of Mathematics](#)

[#School of Advanced Sciences](#)

About the Seminar:

The Department of Mathematics, School of Advanced Sciences, VIT-AP University is organizing “National Seminar on Recent Trends in Mathematics” on 22nd December, 2023 to commemorate and honor the legendary Indian mathematician Srinivasa Ramanujan's birth anniversary. The seminar is a tribute to Ramanujan's legacy and aims to draw attention to the significant contribution of mathematics to various fields including science and engineering. This seminar will bring together mathematicians, researchers, academicians and students to delve into the latest advancements, challenges and emerging trends in the field of mathematics.

About Srinivasa Ramanujan

Srinivasa Ramanujan was born on December 22, 1887, in Erode, a town in Tamil Nadu, India. From a young age, Ramanujan showed an exceptional aptitude for mathematics. His interest in numbers, patterns, and mathematical concepts became evident early in his life, even though he had minimal formal training in the subject. Ramanujan made substantial contributions to the theory of infinite series and continued fractions. He formulated new results and conjectures related to prime numbers, partition functions, mock theta functions and modular forms, many of which were later proven by other mathematicians. Ramanujan's talent came to the attention of British mathematician G.H. Hardy, who recognized the extraordinary nature of Ramanujan's work. In 1913, Ramanujan moved to England to collaborate with Hardy at the University of Cambridge. This collaboration led to numerous groundbreaking papers and results.

About the University

With a history of 39 years of innovation in education and research domains, VIT has been a forerunner in delivering quality education and contributing towards the nation building process. Consistently ranked among the top educational institutes in the country, the VIT group of institutions have had a proud tradition of pursuing knowledge and excellence. The VIT-AP campus, poised to become one of the country's best campuses, offers several avenues to explore students' interests, enables realizing core competencies, engages in life-long learning, inculcates broad-minded thinking, enthusiasm to face challenges and contribute solutions.

The Department of Mathematics has 65 faculty members and promotes novel perspectives to research with focus that transcends the undergraduate and postgraduate levels in Data Science. The department strives to explore new and emerging transdisciplinary knowledge domains such as Fluid Dynamics, Computational Fluid Dynamics, Solid Mechanics, Functional Theory, Network and Graph Theory, Fractal Theory, Lie Algebras, Statistics, Stochastic Processes, Coding Theory, Theory of Computation, Fuzzy Logics, Optimal Control Problems, Numerical Methods, and Cosmology.

Invited Speakers



Prof. K. Srinivasa Rao

FNASc, FTNASc, AvHSF(Germany), Former
Senior Professor, IMSc, Chennai

Title: Gauss Ramanujan Hypergeometric Series
Session Time: 09:30 AM (IST)



Dr. M. Subramani

IIITDM, Kanchipuram

**Title: Euclidean Algorithm on
Number Fields of Smaller Rank**
Session Time: 11:00 AM (IST)



Dr. D. Ranganatha

Central University of Karnataka
**Title: A Talk on the Mathematical
Wonders of Ramanujan**
Session Time: 12:00 PM (IST)

Who can Apply?

- UG/PG Students/Research Scholars, Academicians/ Industrial Professionals

No Registration Fees

Organizing Committee

Advisory Committee:

- Prof. V R K Murthy, Department of Physics, VIT-AP University
- Prof. S Srinivas, Dean, School of Advanced Sciences, VIT-AP University
- Prof. Pankaj Balakrishna Tambe
School of Mechanical Engineering, VIT-AP University
- Prof. Ravindra Dhuli
School of Electronics Engineering, VIT-AP University
- Prof. P V S N Murthy, Department of Mathematics, IIT Kharagpur
- Prof. C S Sastry, Department of Mathematics, IIT Hyderabad

Convenor:

- Dr. V. Ramakrishna Reddy, HoD,
Department of Mathematics, VIT-AP University

Co-Convenor:

- Dr. Francis P, VIT-AP University

Organising Secretaries:

- Dr. Faizan Danish, VIT-AP University
- Dr. Aastha Madonna Sathe, VIT-AP University
- Dr. Manimaran A, VIT-AP University

E-Certificates will be given to the Participants

Registration Details

Registration Link : <https://forms.gle/WMTqgdAt6myxePdZ6>

or scan the QR Code :



Online Meeting Link: <https://shorturl.at/cFSTY>