## SRINIVASA RAMANUJAN
THE MAN WHO KNEW INFINITY

Image credit:TechStory

# VIT MATHFEST 2022

## National Mathematics Day

**22nd December 2022**
*organised by*
**Department of Mathematics
School of Advanced Sciences
Vellore Institute of Technology
Vellore.
Venue: Silver Jubilee Tower**

### VIT
### Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

### About the Program

As a tribute to Ramanujan and in honour of his birthday, the 22nd of December is celebrated as "National Mathematics Day". His contributions to Number theory, Mathematical analysis and Continuous fractions are so important that mathematicians will always be inspired by them. These results further inspired several other research and opened new fields of work. The main goal of the event is to make people more aware of how important math is to the progress of humanity. The proposed event is intended to include invited talks and several events by UG/PG students and scholars.

### Speakers

- Dr. K. N. Raghavan, Professor, Institute of Mathematical Sciences, Chennai.

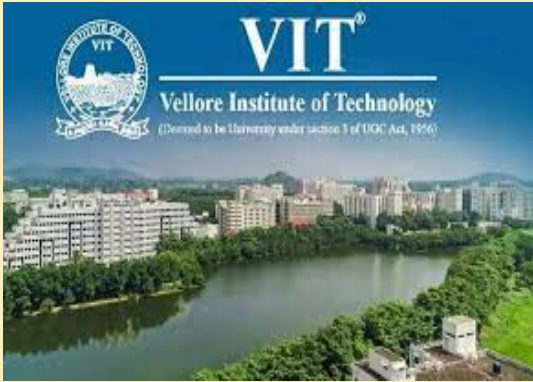- Dr. T. Sengadir, Professor, Central University of Tamil Nadu, Thiruvarur.

### Events Details

| Events | Maximum participants per team | | | Duration in minutes |
|---|---|---|---|---|
| | UG | PG | Scholar | |
| Quiz | 3 | 3 | NA | NA |
| Paper Presentation | 2 | 2 | 1 | 7-10 |
| Math Documentary | 2 | 2 | 1 | 5-7 |
| Mathematical modelling | 1 | 1 | 1 | NA |

- **Quiz and Paper Presentation:**
  **Topic:** As per the programme level.

- **Math Documentary:**
  **Theme:** The great Math Mystery.

- **Mathematical Modelling:**
  **Theme:** Mathematical models for real world problems.

### Instructions for Registration

- One student can participate in ONLY ONE EVENT.

- Events will be conducted in English medium.

- Lunch and Snacks will be provided for all participants.

- Participants are requested to register through online by paying the required registration fees (non-refundable) using the below link on or before 18/12/2022.

- Registration fee:
  Scholars: Rs. 400 + GST(per student)
  UG/PG: Rs. 300 +GST(per student)

- Payment Link:
  https://events.vit.ac.in/events/IMAF

- The Registered teams/students should report at 8.30 A.M. on 22.12.22 at the venue (Silve Jubilee Tower).

- Two prizes in each event category.

## About VIT

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by Chancellor Dr. G. Viswanathan. VIT attracts students from different states of India and other countries because of its academic excellence. In the NIRF ranking 2022, which are published by the Govt. of India, VIT have placed it, in the 9th position for the best university, the 10th position for the best research, and the 12th position for the best engineering institution in India. VIT is the first institute in India to receive a QS 4-Star rating in the overall category and a QS 5-Star rating in teaching, employability, facilities, innovation and inclusiveness. VIT has been ranked within the top 200 universities in Asia as per the QS Asia University Rankings 2022. VIT has been ranked among the top 601–700 universities in the world and one of the top 3 institutions in India as per the Shanghai ARWU Ranking 2022. VIT has also completed the 4th cycle of NAAC accreditation and has been rated as an "A++" grade institution. VIT has introduced many innovations in academic processes. FFCS (Fully Flexible Credit System), PBL (Project-Based Learning) for better learning, fully dig-itized academic portals that assist students in preparing for the market place. Hack-a-thon, Make-a-thon, Math-a-thon, Stat-a-thon as part of the curriculum exercise that kindles the interest and curiosity of students and motivates them to be better problem solvers are a few of the innovations that VIT has introduced.

## About School of Advanced Sciences

The School of Advanced Sciences at VIT comprises Mathematics, Physics and Chemistry departments. The school offers two-years Masters, five-years Integrated Masters, and Ph.D. programmes in all these disciplines. The school comprises qualified and research-oriented faculty members whose expertise is in the frontier areas of the sciences. The Semester Abroad Program offers students international exposure to prepare effectively for professional employment or a research degree in the basic and applied sciences. SAS faculty members have received national and international recognition for projects that are financially supported by some of the leading funding agencies such as MHRD, NBHM, UGC, CSIR, DRDO, DST, DBT, ISRO and others. In addition, they have published research papers in international journals of repute and filed patents.

## About Department of Mathematics

Mathematics is an essential component of all Engineering disciplines. The Mathematics department has around 131 faculty members who support the other engineering departments through teaching and are also actively involved in academic research in frontier areas. The department offers M.Sc. Data Science (2 years), M.Sc. Business Statistics (2 years), Integrated M.Sc. Computational Statistics and Data Analytics (5 years), Integrated M.Sc. in Mathematics (5 years) and Ph.D. programmes in frontier research areas.

## Organizing Committee

**Honorable Patron**
Dr. G. Viswanathan, Founder & Chancellor
**Chief Patrons**
Shri. Sankar Viswanathan, Vice President
Dr. Sekar Viswanathan, Vice President
Shri. G.V. Selvam, Vice President
**Patrons**
Dr. Rambabu Kodali, Vice Chancellor
Dr. Partha Sharathi Mallick,
Pro-Vice Chancellor
Dr. T. Jayabharathi, Registrar
**Chairman**
Dr. N. Arunai Nambiraj, Dean, SAS
**Convener**
Dr. K. Karthikeyan, HoD, Mathematics, SAS
**Organizing Secretaries**
Dr. K. Kalaivani
Dr. K. Raghavendar
Department of Mathematics
School of Advanced Sciences, VIT, Vellore
**Organizing Team Members**
Faculty Members
Staff Members
Research Associates and Scholars

## Contact

Dr. Kalaivani. K
kalaivani.kannan@vit.ac.in
Mobile:9952494090
Dr. Raghavendar. K
raghavendar.k@vit.ac.in
Mobile:7382630264