

## CHEIF PATRON

**Dr. G. Viswanathan**

Chancellor

## PATRONS

**Mr. Sankar Viswanathan**

Vice President

**Dr. Sekar Viswanathan**

Vice President

**Mr. G V Selvam**

Vice President

**Dr. Rambabu Kodali**

Vice Chancellor

**Dr. S. Narayanan**

Pro Vice Chancellor

**Dr. Jayabharathi T**

Registrar I/C

## REGISTRATION DETAILS

**No Registration Fee**

Mode of Registration through Google form with the following link

<https://forms.gle/aVhYknvHe4rcbi1v9>

Last Date for Registration **07/08/2022**

## ABOUT THE FDP

The FDP provides inputs into current developments in mathematics from multiple domains. The FDP targets faculties and research scholars from Mathematics discipline. The FDP would provide platform for participation and to know the recent research scenario in mathematics. We trust that this FDP would provide insights for young researchers and enable them to decide a domain for further research.

## DOMAINS TO BE COVERED

- Fixed Point Theory
- Fluid Dynamics
- Graph Theory and Fuzzy Graphs
- Statistics
- Operations Research



**Five Days**

**National Level Faculty Development Program**

**on**

**RECENT ADVANCES IN MATHEMATICS**

**in**

**Virtual Mode**

**8<sup>th</sup> to 12<sup>th</sup> , August 2022**

VIT - A place to learn; A chance to grow

VIT – NAAC Accreditation with highest grade in the last 3 consecutive cycles, one among the top 10 and only private institution of India World rank 801 - 900 (Shanghai Ranking)

**Organized by**

**Department of Mathematics**

**School of Advanced Sciences**

**VIT, Vellore – 632014**

**Tamil Nadu, India.**



**Green Campus**

**CHAIRMAN**

**Dr. N. Arunai Nambi Raj**

Dean, School of Advanced Sciences.

**CONVENER**

**Dr. K. Karthikeyan**

Head, Department of Mathematics,

School of Advanced Sciences.

**Organizing Secretaries**

**Dr. M. Yamuna**

**Dr. K. Karthika**

## RESOURCE PERSONS

### Dr. N. Sridharan,

Retired Professor and Head,  
Ramanujan Centre for Higher Mathematics,  
Alagappa University, Tamilnadu, India

### Dr. S. Muralisankar,

Professor,  
Department of Mathematics,  
Madurai Kamaraj University, Tamilnadu, India

### Dr. H. S. Ramane,

Professor,  
Department of Mathematics,  
Karnatak University, Karnataka, India

### Dr. Prashant Malavadkar,

Associate Professor and Head,  
School of Mathematics and Statistics,  
MIT World Peace University, Maharashtra, India.

### Dr. S. Amutha,

Assistant Professor,  
Ramanujan Centre for Higher Mathematics,  
Alagappa University, Tamilnadu, India.

### Dr. M. Siva Parvathi,

Assistant Professor,  
Department of Mathematics,  
Sri Padmavathi Mahila Vishvavidyalayam,  
Women's University, Andhra Pradesh, India.

### Dr. S. Vimala,

Assistant Professor,  
Department of Mathematics,  
Mother Teresa Women's University, Tamilnadu,  
India.

## CONTRIBUTED TALKS

Dr. K. Karthikeyan, VIT, Vellore.  
Dr. B. Rushi Kumar, VIT, Vellore.  
Dr. Venkata Satyanarayana, VIT, Vellore.  
Dr. M. Yamuna, VIT, Vellore.  
Dr. BSRV Prasad, VIT, Vellore.  
Dr. M. Nalliah, VIT, Vellore.  
Dr. S. Nandhini, VIT, Vellore.  
Dr. K. Karthika, VIT, Vellore.

## ABOUT VIT



VIT Infrastructure

Vellore Institute of Technology was found in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From this humble beginning, the institution has grown exponentially to that of having more than 36,000 students. Students from all the states of India and from more than 60 countries are studying at VIT. University status was conferred in 2001 by MHRD, Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 4 campuses in Vellore, Chennai, Amravati and Bhopal. The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has ranked VIT 12th in

research, 12<sup>th</sup> in engineering category, 13<sup>th</sup> in university category and 21<sup>st</sup> in overall category in 2020. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA] and follows world class academic processes. VIT is the first and only university in India to get 4 star rating from QS, the world universities ranking organization. VIT has also been ranked in the top 251 – 300 in Times Higher Education (THE) World University Ranking (Emerging Economies) in 2021 and in the top 198 in QS Asia ranking.

## SCHOOL OF ADVANCED SCIENCES

**QS WORLD UNIVERSITY RANKINGS**  
by subject

**BEST GLOBAL UNIVERSITIES**  
USNEWS  
2020

Powered by  
Clarivate  
Analytics

**QS World University Rankings by Subject 2021:**  
Chemistry 401-450, Within India Rank: 13  
Mathematics 451-500, Within India Rank: 12

**Best Universities World Ranking by Subject 2021 :**  
Chemistry 432, Within India Rank: 15  
(Subject Score: 43.5)

Research and Development Infrastructure Division  
Department of Science & Technology DST-FIST

Grant in the year 2020

**Nobel Lecture by**  
Prof. Robert H. Grubbs  
(Chemistry Nobel Prize 2005)  
ETC, January 6-8, 2020

Rs. 2.2 crore  
Single Crystal  
XRD

Rs. 1.65 crore  
VSM facility

Dept. of Chemistry      Dept. of Physics

Highlights of SAS

School of Advanced Sciences (SAS), which was established in the year 1984, comprises of Mathematics, Physics, and Chemistry departments. The vision of the school is to provide quality teaching and research which would make an impact at a global level. The school consists of a total of 232 experienced and energetic faculties. The research activities, publications and fruitful interactions with the industry are a testimonial to the expertise of the faculty in SAS. The school has been receiving research grants from various funding agencies such as

DST, CSIR, DRDO, NBHM, BRNS, IGCAR, AERBA, NRB and ARDB. The school has also been recognized by DST for support under the FIST programme. The school conducts various programmes such as InoVIT, SciGATHER, and National Science Day.

## DEPARTMENT OF MATHEMATICS



**VIT Mathematical Meet - 2019**

Mathematics, the queen of sciences, is an essential component of all engineering disciplines. The Department of Mathematics, VIT Vellore, comprises of 116 faculty members dedicated to fulfill the needs of all the engineering departments. All faculty members are doctorates and are actively involved in research in addition to the regular teaching activities. The faculty members of the department are specialized in frontier areas of Mathematics such as Operations Research, Queuing Theory, Fuzzy Mathematics, Algebra, Analysis, Complex Analysis, Differential Equations, Fluid Dynamics, Graph Theory, Inventory Systems, Coding Theory, Mathematical Modeling, Numerical Methods, Mathematical Biology and others. Several research

projects of the department are financially supported by some of the leading funding agencies such as CSIR, DRDO, DST and NBHM. The department is also serving the requirements of the leading industries through consultancy projects. The department of Mathematics has a good record of frequently organizing seminars, workshops, symposium and conferences in the recent emerging technical areas. VIT Mathematical Meet is conducted every year by the department, which is a south India level math and science contest for school children to create and encourage mathematical and scientific innovations among the students.

## CONTACT DETAILS

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