



VIT[®]

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



Vellore - 632 014, Tamil Nadu, India.

**SCHOOL OF ADVANCED SCIENCES
DEPARTMENT OF MATHEMATICS**

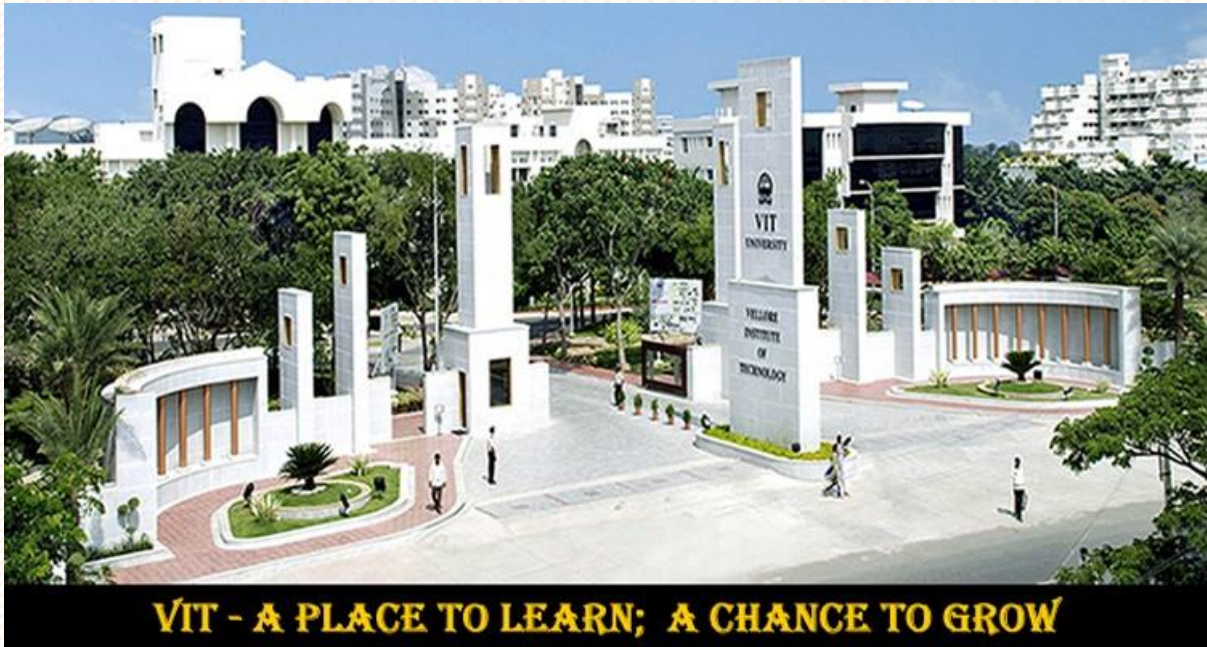
VIT MATHEMATICAL MEET - 2024

An International Level Mathematical Contest for School Students
28th Anniversary Celebrations of the VIT Mathematics Association

Theme: Mathematics in Climate Change

27th January 2024

INFORMATION BROCHURE



Organized By

**DEPARTMENT OF MATHEMATICS
SCHOOL OF ADVANCED SCIENCES
VELLORE INSTITUTE OF TECHNOLOGY
VELLORE, TAMIL NADU, INDIA**

Organizing Secretaries

Dr. D. Easwaramoorthy

Dr. S. Nandhini

Dr. A. Gowrisankar

Contact Number(s): 8883944718; 9943085441

E-Mail: vitmm@vit.ac.in

Website: www.vit.ac.in

ABOUT THE VELLORE INSTITUTE OF TECHNOLOGY (VIT)

Vellore Institute of Technology was founded in 1984 in the name of Vellore Engineering College by the Chancellor Dr. G. Viswanathan. VIT attracts students from all the states of India and from more than 60 different countries due its academic excellence. In recognition of its excellence in academics, research and extra-curricular initiatives, the University status was conferred in 2001 by Ministry of Human Resource Development (MHRD), Government of India. Currently, VIT has 4 campuses located in Vellore, Chennai, Amravati (AP) and Bhopal (MP). The National Institutional Ranking Framework (NIRF) has ranked VIT as 17th in Overall Category, 11th in Research Category, 11th in Engineering Category and 8th in University Category, announced by the Ministry of Education, Government of India for the year 2023. VIT has accreditation by NAAC (India), IET (UK) and ABET (USA), and follows a world class academic process. VIT is the first and only University in India to get 4-Star Rating from QS - World University Rankings Organization. VIT has been ranked among the top 851-900 institutions by QS - World University Rankings, ranked among the top 601-700 institutions by Shanghai ARWU Ranking of World Universities, ranked among the top 301-350 institutions by Times Higher Education (THE) World Young University Rankings, and also ranked as 173rd best institution in Asia by QS - Asia University Rankings.

ABOUT THE SCHOOL OF ADVANCED SCIENCES (SAS)

The 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 277 experienced and enthusiastic faculty members, which includes 133 in Mathematics, 66 in Physics, and 78 in Chemistry. The research activities, publications and fruitful interactions with the industry are testimonials to the expertise of the faculty members in VIT. The school offers Masters Programs in Data Science, Business Statistics, Physics and Chemistry; Integrated Masters Programs in Mathematics, Chemistry, Physics and Computational Statistics & Data Analytics. The school offers Ph.D. programs in current research areas in Chemistry, Mathematics and Physics.

ABOUT THE DEPARTMENT OF MATHEMATICS

The Department of Mathematics at VIT was established in 1984. The department strives to be recognized for excellence among academic institutions in India and abroad. Currently, the Mathematics department has 133 faculty members who support the other engineering departments through teaching and also actively involved in academic research in different areas. The department offers Ph.D. programmes in major disciplines of Mathematics, Statistics & Data Science, and also PG programmes M.Sc. (Data Science), M.Sc. (Business Statistics), Integrated M.Sc. (Mathematics), and Integrated M.Sc. (Computational Statistics and Data Analytics). The department emphasises on offering a comprehensive undergraduate, graduate, and research curriculum. The department will focus on research that is core of its field, promote cutting-edge, original research, and strengthen our role as a hub for top quality research in the world. The Department of Mathematics, School of Advanced Sciences (SAS), Vellore Institute of Technology, Vellore has obtained QS world university ranking by subject as 351-400 (International) and QS world university ranking by subject as 11 (National).

ABOUT THE VIT MATHEMATICAL MEET - 2024 (VITMM-2024)

VIT Mathematical Meet - An International Level Mathematical Contest for School Students is a mega annual event organized by the Department of Mathematics, School of Advanced Sciences, VIT, Vellore; in order to create and encourage the mathematical inventiveness in young minds at the school level. The Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Vellore is delighted to proclaim the VIT Mathematical Meet - 2024, the 28th Annual Celebrations of the VIT Mathematics Association, to be held in VIT, Vellore on 27th January, 2024 (Saturday) from 7:00 AM to 6:00 PM

Mathematics is an important subject which is the basis of many other subjects, such as Science, Engineering, Technology, Materials Science, Physics, Chemistry, Biology, Business, Management, Economics, Social Sciences, etc. Mathematics is the only field where the knowledge is cumulative and higher order. This Mathematical Meet will help participants to face competitions and to understand how to apply knowledge. Moreover, every interesting and worthwhile venture in life comes with some elements of pressure: competition teaches students how to handle it. Math contests are a tremendous social and intellectual opportunity for students. So, the goal of the meet is to encourage the students to develop a lifelong interest in mathematics.

We invite a team of students accompanied by a teacher advisor(s) / staff in-charge(s) / parent(s) from all schools to participate in the VIT Mathematical Meet - 2024 and request you to experience a Great Day with us in VIT, Vellore.

CONTACT DETAILS

Dr. D. Easwaramoorthy

Dr. S. Nandhini

Dr. A. Gowrisankar

**Organizing Secretaries,
VIT Mathematical Meet - 2024,
Department of Mathematics,
School of Advanced Sciences,
Vellore Institute of Technology,
Vellore - 632 014, Tamil Nadu, India.**

Contact Number(s): 8883944718; 9943085441

E-Mail: vitmm@vit.ac.in

Website: <https://vit.ac.in/vitmm2024/>



ORGANIZING COMMITTEE

Honourable Patron

Dr. G. Viswanathan
Founder & Chancellor, VIT

Patrons

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Vice President, VIT

Dr. Sekar Viswanathan
Vice President, VIT

Dr. G.V. Selvam
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Dr. V.S. Kanchana Bhaaskaran
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Dr. Partha Sharathi Mallick
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Dr. T. Jayabarathi
Registrar, VIT, Vellore

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Dr. N. Arunai Nambi Raj
Dean, SAS, VIT, Vellore

Co-Chair Person

Dr. A. Sheela
Associate Dean, SAS, VIT, Vellore

Convener

Dr. M.S. Jagadeesh Kumar
HoD (Mathematics), SAS, VIT, Vellore

Organizing Secretaries

Dr. D. Easwaramoorthy

Dr. S. Nandhini

Dr. A. Gowrisankar

Department of Mathematics, SAS, VIT, Vellore

Organizing Team Members

Faculty Members, Staff Members, Research Scholars and Students
Department of Mathematics, SAS, VIT, Vellore

IMPORTANT DATES

Last Date for Registration	: 17 th January 2024
Online Event Dates	: 24 th January 2024
Offline Event Dates	: 27 ^h January 2024
Date of the Meet	: 27 th January 2024

OFFLINE MODE VENUE	: Technology Tower, VIT, Vellore.
ONLINE MODE	: Online Platform

REGISTRATION FEE DETAILS

Registration Fee for Both Offline and Online National Participants Only (INR - Indian Rupees)

Medium	Level I (VI-VIII STDs)	Level II (IX-X STDs)	Level III (XI-XII STDs)
Tamil	Rs. 100/- Per Student	Rs. 150/- Per Student	Rs. 200/- Per Student
English	Rs. 150/- Per Student	Rs. 200/- Per Student	Rs. 250/- Per Student

Registration Fee for Online International Participants Only (USD - US Dollars)

Medium	Level: 11 th -12 th Grades/Standards
English	USD 100 Per Student

Note: The mentioned registration fee is inclusive of GST (Tax) and it has to be paid as per the given instructions.

MATHEMATICAL EVENT DETAILS

Offline Mode Events

Events	Level I (VI-VIII STDs)	Level II (IX-X STDs)	Level III (XI-XII STDs)
Mathematical Talent Examination	Topic: As per the STD. Level	Topic: As per the STD. Level	Topic: As per the STD. Level
Mathematical Quiz	Topic: As per the STD. Level	Topic: As per the STD. Level	Topic: As per the STD. Level
Mathematical Model Exhibition	Theme: Mathematics for Clean Environment	Theme: Mathematics for Global Warming	Theme: Mathematics in Climate Changes
Mathematical Poster Presentation	Theme: Mathematical Approaches to Clean Environment	Theme: Mathematical Applications in Global Warming	Theme: Mathematical Challenges for Climate Change

Online Mode Events

Events	Level: 11 th -12 th Grades/Standards
Mathematical Talent Examination (Online Platform)	Topic: As per the Grade Level

AWARDS AND PRIZES

EVENTS	AWARDS/PRIZES
Mathematical Talent Examination	Best Talented Prizes
Mathematical Quiz	Best Team Prizes
Mathematical Model Exhibition	Best Model Prizes
Mathematical Poster Presentation	Best Poster Prizes

VIT Mathematical Meet - 2024 Overall Trophy for Best Performing Schools
Cash Prize Awards with Merit Certificates for all Winners
Consolation Prizes to all Competent Participants

OBJECTIVES

- To stimulate the interest in Mathematics.
- To recognize the outstanding Mathematical talents.
- To motivate the Mathematical creativity.
- To inspire the ability to think and solve complex problems.
- To exhibit the Mathematical innovations.
- To create awareness on Mathematical applications.

INSTRUCTIONS FOR REGISTRATION

- ❖ The registration fee shall be paid either by online portal (<https://events.vit.ac.in/>) or by DD drawn in favour of "Vellore Institute of Technology (VITMM-2024)" payable at Vellore.
- ❖ The school teacher/staff in-charge can do bulk payments through the aforementioned online portal or a common DD may be drawn for all the participants of the concerned school.
- ❖ The paid registration fee will not be refunded at any circumstances.
- ❖ Please avoid spot registrations.
- ❖ One student can participate in **ONLY ONE EVENT**.
- ❖ There is a separate registration form for online and offline events.
- ❖ Each school should nominate and mention the details & contact number(s) of the teacher advisor(s)/staff in-charge(s) in the registration form for authorized communications.
- ❖ Please submit/send the dully filled and signed **Registration Form (as per the attached prescribed format) along with the Online Payment Receipt / VIT Cash Counter Receipt / DD** on or before 05:00 PM of 17th January 2024 in person/by courier/by post to the following mailing address:
**The Organizing Secretaries,
VIT Mathematical Meet - 2024,
Department of Mathematics,
School of Advanced Sciences,
Room No.: 527, Technology Tower,
Vellore Institute of Technology,
Vellore - 632 014, Tamil Nadu.**
- ❖ The scanned copy of the signed registration form and payment details can also be sent through the e-mail: vitmm@vit.ac.in.
- ❖ Any queries/clarifications may please be sent to the organizing secretaries through the e-mail: vitmm@vit.ac.in.

INSTRUCTIONS FOR OFFLINE MODE EVENTS

- ❖ The registered teams/students should report at 07.30 AM on 27-01-2024 at the venue.
- ❖ The Talent Examination Event will be conducted for Tamil and English medium students separately and prizes/certificates will be given accordingly. Other events are common for both Tamil and English medium students.
- ❖ Each team should have maximum 4 members for the team events (Quiz, Model Exhibition and Poster Presentation Events).
- ❖ Only one team from each school will be permitted for Quiz event at each level. For other events, there is no limit for the number of participants/teams from each school.
- ❖ The participants should bring all aids/materials/equipment/charts required for Mathematical Model Exhibition.
- ❖ The poster presentation team participants can showcase their ideas by using printed posters or designed charts. Expected Poster Size: 3 Feet (Height) X 3 Feet (Width).
- ❖ TA/DA will not be paid for any participants and accompanying persons.
- ❖ Lunch, Tea and Snacks will be provided for all participants.

INSTRUCTIONS FOR ONLINE MODE EVENTS

- ❖ The registered participant should report on 24th January 2024 through the online platform, as per the instructions to be given through the registered e-mail.
- ❖ The Talent Examination Event will be conducted in English only and prizes/certificates will be given accordingly.
- ❖ There is no limit for the number of participants from each school.

INSTRUCTIONS FOR ACCOMMODATION

- ❖ The accommodation facility will be provided for outstation participants and their accompanying persons upon the prior request. The accommodation requirements should be mentioned in the Registration Form, so that the concerned team can arrange the accommodation facility in and around VIT campus on the basis of additional payment. Once the registration process is completed, the accommodation fee and contact details for will be intimated to the registrants through their registered e-mail / phone number.



VIT – A PLACE TO LEARN; A CHANCE TO GROW.
