

ABOUT VELLORE INSTITUTE OF TECHNOLOGY

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the Chancellor, Dr. G. Viswanathan. From its humble beginning, the institution has grown exponentially to that of more than 35,000 students. It was conferred the University status in 2001 in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 4 campuses – in Vellore, Chennai, Amaravati (AP) and Bhopal (MP). VIT has been consistently ranked among the best institutions of the country, and is aspiring to emerge as a global leader. The National Institutional Ranking Framework (NIRF) of the MHRD Government of India, has identified VIT as the best Private Engineering Institution in India.

With students from all the states of India and from more 50 countries, the cosmopolitan VIT provides an appropriate ambience for holistic learning and comfortable living. Sports, games and cultural activities are an integral part of student on campus. VIT holds an exemplary placement record by consistently placing more than ninety percentage of the student in good companies. The VIT's international linkages provide ample opportunities for students and faculty to gain global exposure. VIT alumni, spread across the world, are serving the most advanced as well as the most deprived societies.

ABOUT THE SCHOOL

The School of Advanced Sciences (SAS), VIT consists of Mathematics, Physics and Chemistry Departments. The school offers M.Sc., M.Phil. and Ph.D. programs in all these disciplines. The School comprises qualified and research oriented faculty members whose expertise are in the frontier areas in sciences. Faculty members of SAS have received national and international recognized funded projects to the tune of 10 cores ongoing projects

in SAS. Several research projects of the school are financially supported by some of the leading funding agencies such as NBHM, UGC, CSIR, DRDO, DST, DBT, and Others. In addition, they have published international research papers and filed patents. The curriculum keeps abreast of the latest advancements in the respective domains and endeavor's to mold the students into job seekers. The students are placed in reputed companies in India and overseas.

ABOUT THE DEPARTMENT

Mathematics is the queen of all sciences. It is an indispensable component of all Engineering disciplines. Our Mathematics division has a crew of 110 faculty members supporting the other engineering departments through teaching and are also actively involved in academic research in different areas such as Algebra, Analysis, Complex Analysis, Differential Equations, Classical and computational Fluid Dynamics, Graph Theory, Operations Research, Inventory Systems, Queuing Theory, Coding Theory, Mathematical Modeling, Fuzzy Mathematics, Numerical Methods, Mathematical Biology and others.

ABOUT THIS COURSE

Calculus is one of the primary avenues for initial quantitative training of students in all fields of Science and Technology. The Mathematical domain of calculus seems to be difficult to the students from the streams of life sciences. The basics of pre-calculus should be strongly laid to the student community, since the understanding of its contribution in relevant Engineering streams is mandatory. Here, in this value added program, we present an alternative model for learning mathematics that views the partner disciplines as crucial to students' success. We equip our students with the basic Calculus and train them to relate it with other streams of Science and Technology.



VIT[®]

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

Value Added Program On Pre-Calculus for Beginners

September 14th, 15th, 21st, 22nd - 2019

Organized by

DEPARTMENT OF MATHEMATICS
SCHOOL OF ADVANCED SCIENCES
VELLORE INSTITUTE OF
TECHNOLOGY
VELLORE – 632014

Coordinators
Dr. T.POORNIMA
Dr. KASPAR S

VIT – A Place to Learn; A Chance to Grow



Topics to be covered

- Introduction to Functions and Models
- Limits and derivatives
- Differentiation rules
- Applications of Differentiation
- The integral
- Applications of the integral

ORGANIZING COMMITTEE

Honourable 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. Anand A. Samuel, Vice Chancellor

Dr. S. Narayanan, Pro-Vice Chancellor

Chairperson

Dr. A. Mary Saral, Dean, SAS

Convener

Dr. B Rushikumar, HoD, Mathematics, SAS

REGISTRATION DETAILS

Participants are requested to register through online by paying the required registration fees (non-refundable) using the below link.

Registration Link:

<http://info.vit.ac.in/Events-VIT/Pre-Calculus/apply.asp>

IMPORTANT DATES

Last Date for Registration: 14 - 09 - 2019

Workshop Date: **September 14th, 15th, 21st 22nd - 2019**

Registration Fee Details: **Rs. 500/-**

Venue: **SJTG01**

Course e - certificate will be awarded on successful completion of course. Based on the performance of the participants in the Evaluation process of the VAP, marks may be considered for additional learning. Participant confirmation will be on first come first serve basis.

TARGET AUDIENCE: Students of MIS,BBT, Non-Math background students, Aspirants from First year of any UG

CONTACT DETAILS

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Dr. KASPAR S

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✉ skaspar@vit.ac.in

RESOURCE PERSONS:

1. **Dr. T. POORNIMA**, SAS, VIT, Vellore

2. **Dr. KASPAR S**, SAS, VIT, Vellore

Last Date: 14th - September - 2019

1. Selection will be made purely on First Come First Serve Basis and Eligibility. (Subject to fulfilling of the seats available).

2. Maximum fifty (50) participants will be accommodated in the course. The Brochure and the Registration Form may be downloaded from the Institute website www.vit.ac.in

