

ABOUT VELLORE INSTITUTE OF TECHNOLOGY

Vellore Institute of Technology (VIT) was founded in 1984 and attracts students from various parts of the world because of its academic excellence. The credentials of VIT in academics and research have Engineering and Technology: 212th best in the World and 9th best in India (QS World University Rankings by Subject 2024) 10th best University, 13th best research institution and 11th best engineering institution in India (NIRF Ranking, Govt. of India 2024) 6th in India and 687th in the world (US News 2024) NAAC Accreditation with A++ grade (3.66 out of 4). In addition to this, the consortium of industries, FICCI has adjudged VIT as the “Excellence in Faculty”. VIT has completed 4 cycles of NAAC accreditation and has been rated as “A+++” grade institution. VIT has introduced many innovations in academic processes such as FFCS (Fully Flexible Credit System), PBL (Project Based Learning) which adds value to every student for better learning. Fully digitalized academic portals and library access assists the students in equipping themselves for 2023 marketplace. Hack-a-thon, Make-a-thon, Math- a- thon, Stat-a-thon as part of curriculum exercise which kindles the interest and the curiosity of students, which motivates them to be better problem solvers, last module in every subject being handled by the industrial experts, making the students contextualize the concepts they study in the classroom, are a few of the innovations that VIT has introduced in their learning system.

ABOUT THE SCHOOL OF ADVANCED SCIENCES

School of Advanced Sciences, VIT consists of Mathematics, Physics and Chemistry departments. The school offers M.Sc. and Ph.D. programmes in all the three disciplines. The school comprises qualified and research-oriented faculty members

whose expertise is in the frontier areas in sciences. Faculty members of SAS have received national and internationally recognized funded projects to the tune of 10 cores on-going 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.

ABOUT THE DEPARTMENT OF MATHEMATICS

The Department of Mathematics at VIT, Vellore, holds a prominent position in the academic landscape: earning a QS World Subject Ranking of 201-250 in 2024, and ranking 7 - 9th within India. Recently, the department secured project funding from DST- FIST, further enhancing its research capabilities. The faculty’s areas of expertise span a wide spectrum, including algebra, analysis, differential equations, applied mathematics, optimization techniques, statistics, data science, theoretical physics, and computational sciences. The department offers Ph.D. programmes in Mathematics, Statistics and Data Science in addition to M.Sc. (Data Science), M.Sc. (Business Statistics), Integrated M.Sc. (Computational Statistics and Data Analytics) and Integrated M.Sc. (Mathematics) programmes.

ABOUT THIS COURSE

The course "Application Development Using Augmented Reality (AR) and Virtual Reality (VR)" typically focuses on the principles, tools, and techniques required to develop immersive applications using AR and VR technologies. Also helps in transforming industries by increasing efficiency, reducing costs, improving safety, and enhancing user experiences. As technology advances, their impact will continue to grow, making them essential tools in modern innovation.



VIT[®]

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

Value Added Program

On

**Application Development Using
Augmented Reality and Virtual
Reality**

February 9,16 and March 2, 9

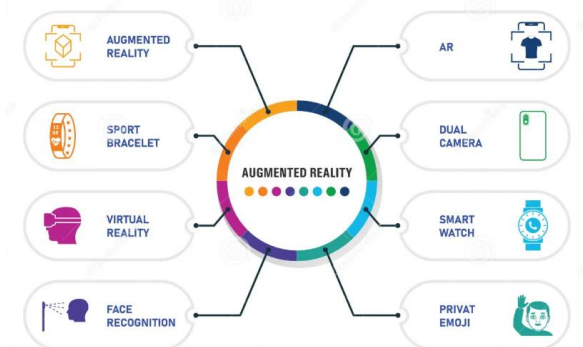
Organized by

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

Coordinators

**Dr. D. KALPANAPRIYA
Dr. M. MUBASHIR UNNISSA**

VIT – A Place to Learn; A Chance to Grow



ORGANIZING COMMITTEE

Chief Patrons

Dr. G. Viswanathan, Founder & Chancellor

Patrons

Mr. Sankar Viswanathan, Vice President

Dr. Sekar Viswanathan, Vice President

Dr. G. V. Selvam, Vice President

Dr. Sandhya Pentareddy, Executive Director

Ms. Kadhambari S. Viswanathan, Assistant Vice President

Co-Patrons

Dr.V.S.Kanchana Bhaaskaran,

Vice Chancellor

Dr.Partha Sarathi Mallick,

Pro-Vice Chancellor

Dr.T.Jayabharathi,

Registrar

Chair Person

Dr. K.Karthikeyan

Dean, SAS

Convener

Dr. M. S. Jagadeesh kumar

HoD, Department of Mathematics

Coordinators:

Dr. D.Kalpanapriya

Assistant Professor Senior

Dr. M.Mubashir Unnissa

Associate Professor

Department of Mathematics

Topics to be covered

- Augmented Reality and Virtual Reality- An Overview
- Virtual Reality in a Nutshell
- Representing the Virtual World
- Working with VR & AR Devices
- Use Cases for AR and VR in single application

REGISTRATION DETAILS

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

Registration Link: <https://events.vit.ac.in/>

IMPORTANT DATES

Last Date for Registration: 9th Feb 2025

Dates of VAP Classes
09.02.2025
16.02.2025
02.03.2025
09.03.2025

Registration Fee Details: Rs.1000/-
Registration fee excludes 18% GST

Venue: TT 725

Course certificate will be awarded on successful completion of course. For registered students the certificate of participation may be considered for additional learning.

TARGET AUDIENCE: Students of any UG / PG Degree

CONTACT DETAILS

Dr. D.Kalpanapriya

☎ 9942204641

✉ dkalpanapriya@vit.ac.in

Dr. M.Mubashir Unnissa

☎ 9884899725

✉ mubashira@vit.ac.in

INSTRUCTIONS

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

2. Maximum seventy (70) participants will be accommodated in the course. The Brochure and the Registration Form may be downloaded from the Institute website www.vit.ac.in

