

ABOUT THE COLLEGE



Vidya Academy of Science & Technology (VAST) established in 2003, is a self-financing Engineering College affiliated to APJ Abdul Kalam Technological University, Kerala with competent and committed faculty, top - notch infrastructure and high technology teaching aids. The college offers B.Tech programmes in six streams of Engineering, M.Tech programmes in two specializations, MCA programme and Ph.D. programmes in Engineering and Mathematics. VAST has a holistic approach to education where academic training goes hand with social commitment.

ABOUT THE DEPARTMENT

The Applied Sciences and Humanities (AS&H) Department aims to ensure students develop strong expertise in the essential building blocks of engineering including experimental, analytical, computational, and design capabilities. The department has well-qualified and experienced faculty members with specializations in Applied Probability, Operations Research, Analysis, Algebra, Discrete Mathematics, Fuzzy Mathematics, Special Functions, Applied Mathematics and Nano Science.

ABOUT THE FDP

The Faculty Development Programme on Scientific Foundations of Emerging Technology is designed for faculty members from diverse disciplines, including engineering and the allied sciences, across various colleges. The programme brings together expert speakers from core science disciplines such as mathematics, physics, and chemistry to provide a strong interdisciplinary perspective. By integrating concepts from fundamental sciences with emerging technological applications, the FDP aims to enhance both teaching and research capabilities of participants. Through insightful lectures and interactive sessions, the programme will equip faculty members to effectively engage with and contribute to rapidly evolving technological domains.



Vidya Academy of Science and Technology
(A Unit of Vidya International Charitable Trust)
Thalakkottukara, Thrissur, Kerala, India
www.vidyaacademy.ac.in

ISTE AND IE(I) SPONSORED SIX-DAY FACULTY DEVELOPMENT PROGRAMME (ONLINE)



SCIENTIFIC FOUNDATIONS FOR EMERGING TECHNOLOGIES (SFET - 2026)

20 - 25 APRIL 2026

Organized by
Department of Applied Sciences and
Humanities
in association with IQAC, VAST



SCHEDULE

Inaugural Function

- Session 01: Catalytic Routes for Greenhouse Gas (GHG) Fixation
- Session 02: Stochastics in Action
- Session 03: Mathematical Modelling of Tunnel FET for low power applications
- Session 04: Graph Theory in Contemporary Applications
- Session 05: Scanning Tunneling Microscopy and Spectroscopy
- Session 06: Applications of Mathematics in Material Science

Valedictory Function

REGISTRATION DETAILS:

Registration Fee: Rs. 200

Bank Details:-

Account Number: 240301000005472

IFSC Code: IOBA0002403

Indian Overseas Bank,

Thalakkottukara - 680501

**Payment can also be made via Google Pay to 9447466463

Click here for Registration

<https://forms.gle/dpwuAPMV3C9rZGzW8>



RESOURCE PERSONS



Dr. Vinod C P

Senior Principal Scientist,
CSIR - National Chemical Laboratory, Pune
Title: Catalytic Routes for Greenhouse Gas (GHG) Fixation

Dr. Satheesh S

Visiting Faculty, School of Mathematics
and Statistics, M G University, Kottayam
Title: Stochastics in Action



Dr. Arun A V

Assistant Professor,
Department of Electronics and
Communication Engineering
TKM College of Engineering
Title: Mathematical Modelling of Tunnel
FET for low power applications



Dr. Sudev N K

Professor, Department of Mathematics
CHRIST (Deemed to be University)
Bengaluru
Title: Graph Theory in Contemporary
Applications



Dr. Jinesh K B

Professor and Head,
Department of Physics
Indian Institute of Space Science and
Technology, Thiruvananthapuram
Title: Scanning Tunneling Microscopy
and Spectroscopy



Dr. Jayesh Santhi Bhavan

Lecturer in Material Engineering
The Open University, Milton Keynes, UK
Title: Applications of Mathematics in
Material Science



WHO CAN ATTEND?

Faculty members from Engineering, Degree & PG Colleges, Junior Scientists from R&D organizations and Research Scholars

ADVISORY COMMITTEE

Dr. Sunitha C., Principal, VAST
Sri. Suresh Lal, Executive Director, VICT
Dr. Shalij P R, Academic Director, VICT

Convener

Dr. Nisha A B
Professor & Head
AS & H Department

Coordinator

Dr. Sreedevi A
Associate Professor
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Co-Coordinator

Ms. Rachana Sajeev
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E-Certificate will be given to all the registered participants.