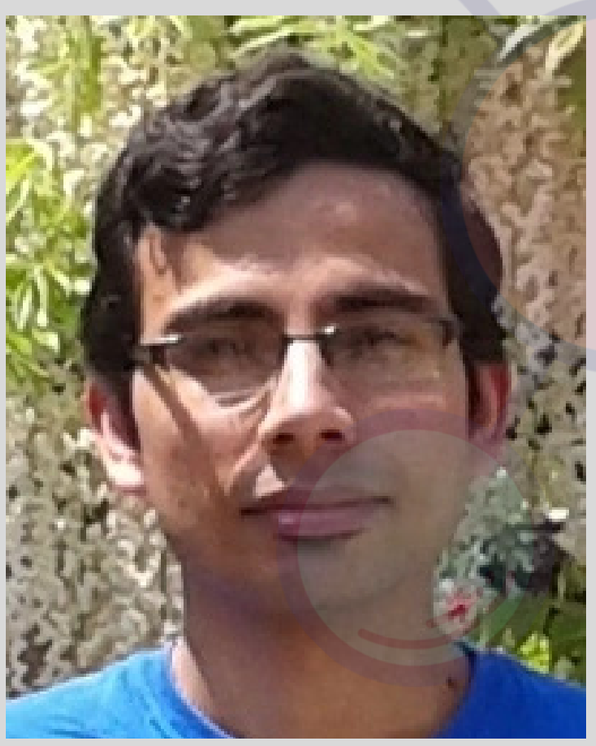
Centre for Functional Materials (CFM) & SVNIT Surat

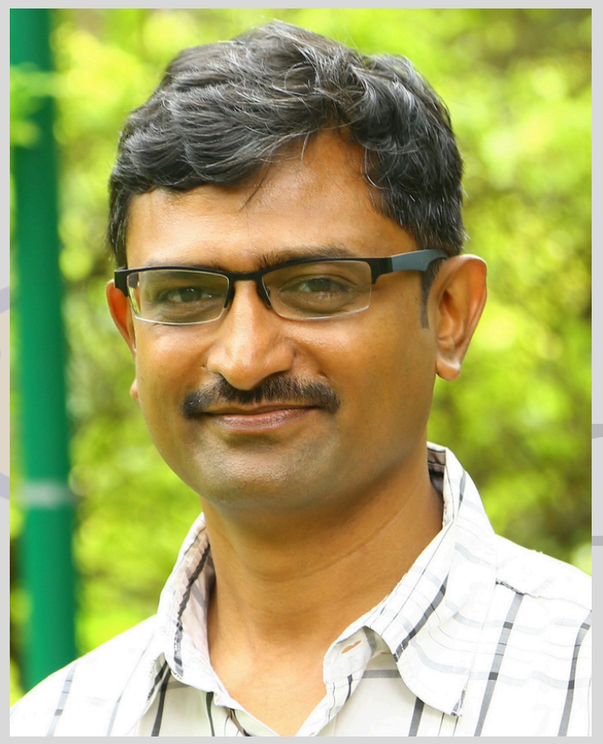
Invites you to a three days

National Workshop on Density Functional Theory (DFT), 16-18 March, 2026

Resource persons



Dr. Himanshu Pandey
SVNIT, Surat



Dr. Vidhyadhiraja N S
JNCASR, Bengaluru

Dr. Tanay Debnath
SAS, VIT Vellore

Workshop Scope

- **Lectures on Density Functional Theory**
- **Applications in Research**
- **Interactive session and Demonstration**

Accommodation: Accommodation can be provided to external participants in the hostels (dormitory) based on request. The tentative tariff for the dormitory is Rs. 500 / night.

For more information, please contact

atul.thakre@vit.ac.in
+91- 96505 95952

Target Audience: PG/UG students/ Research Scholars/ Faculty/ Scientists
Registration Fee: Rs. 1000
Last date of Registration: 10-03-2026
Registration fee includes a workshop kit, working lunch, refreshments during the breaks, and a participation Certificate.

Venue: Kamaraj Auditorium, Technology Tower 7th Floor
Date: 16th to 18th March, 2026

About VIT

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the honorable chancellor Dr. G. Viswanathan. The institution has grown steadily since its humble beginning. VIT attracts students from all over India and more than 50+ countries because of its excellence. Quality in teaching-learning, research, and innovation make VIT a unique learning place. The credentials in academics and research have placed VIT in the 11th position among the engineering institutions in India by NIRF, Govt. of India. QS World University Ranking by Subject 2024: 212th best institution in the world in Engineering and Technology.

About CFM

The Centre for Functional Materials (CFM) at VIT Vellore was established in Nov 2020. The Centre prioritizes the research of national interest by highlighting new findings and discussing current trends in technologically reverent topics. Here, we explore different classes of functional materials ranging from semiconductors to polymers and molecular crystals to nanoparticles. CFM has also provided various state-of-the-art characterization facilities like optical microhardness, gas sensing, dielectric, electrical studies, etc. The Centre has gained attention due to its immense publications in the diverse fields of research in functional materials. CFM offers a platform to connect a broad range of materials with focused research groups and support multidisciplinary research necessary for technology transfer. The Centre implements its mission through research and education activities.

https://vit.ac.in/centers/cfm

About Workshop

We are delighted to invite you for a National Workshop on Density Functional Theory (DFT) calculations for organic and inorganic materials. The workshop includes lectures and hands-on experience on DFT calculations (using Quantum Espresso and Gaussian) by experts from SVNIT, Surat, and VIT Vellore. The skill gained in this workshop can help the participants to investigate various properties (e.g., semiconducting, optical, ferroelectric, magnetic, etc.) of the materials for their corresponding research projects.

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