

Value added course and training on sophisticated Instrumentation (Hands on) [VAC1836]

About the Institute:

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 an extent 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 than 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 life on campus. VIT holds an exemplary placement record by consistently placing more than ninety percentage of the students in good companies. 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 School of Advanced Sciences:

School of Advanced Sciences (SAS) consists of Mathematics, Physics and Chemistry departments. It offers M.Sc., in Physics and Chemistry, M.Phil. and Ph.D. programmes in all 3 disciplines. It comprises of well qualified and research oriented faculty members whose expertise is in the frontier areas in Sciences. Faculty members of SAS have received research projects from various funding agencies such as DST, CSIR, DRDO, NBHM, BRNS, IGCAR, AERBA, NRB and ARDB. The School has also been recognized by DST for support under the FIST programme.

About value added programme:

The area of Chemistry contributed the major and leading input to the society and development and growth of the world. Specially for developing countries the research on chemistry and material based chemistry demand requires more focus and lots of huge investment. In order to investigate the details of the chemistry related problems, high quality research and instrumental characterization is extremely important. This program focuses on imparting Hands on training on sophisticated analytical instruments and also includes the flavour of theoretical content. The student will learn how to use various sophisticated instruments such as NMR, FTIR, SEM, TEM, GC-MS, XRD, HPLC TGA-DSC, Mass Spectroscopy etc. Experts faculties from Chemistry Department, VIT will cover the topics and demonstration.

Topics to be covered

- ❖ UV-Visible and Atomic Fluorescence
- ❖ FT-IR Spectroscopy, NMR spectroscopy
- ❖ Atomic Absorption Spectroscopy
- ❖ High Performance Liquid Chromatography (HPLC), Gas Chromatography, GC-MS
- ❖ X Ray Diffraction, Thermal analysis.
- ❖ Scanning Electron Microscopy (SEM)
- ❖ Transmission Electron Microscopy (TEM)

Registration Fee:

PG Students: **500/-**

(Registration fees includes 18 % tax)

Online payment link:

<http://info.vit.ac.in/Events-VIT/VAP-Analytical-Instrumentation/apply.asp>

Important Dates:

Last date for registration: **25th March, 2019.**

Workshop Date : **25th March to 8th April, 2019**

Prospective PG students are requested to fill up the registration form and send it to the coordinator.

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REGISTRATION FORM
(Capital letters only)

Full Name

Gender: Male / Female

Programme:

School:

Address for corospondance:

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Mobile No.:

E-mail :.

Online Payment Ref. No.:

Amount : Date:

Declaration: The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and attend the course for the entire duration.

Place :

Date : `

Signature of Participant

ADVISORY COMMITTEE

Advisors:

Dr. A. Mary Saral, Professor & Dean,
School of Advanced Sciences,
VIT, Vellore,
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Dr. S.L. Manju
Associate Professor & Head of the Department,
Department of Chemistry,
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Organizers & Address for Correspondence

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Contact : 7427947470

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VIT[®]

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

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on
Sophisticated
Instrumentation (Hands on)
[VAC1836]**

25th March to 8th April 2019



Department of Chemistry

Coordinators

Dr. A. Sivakumar
Dr. Tamas Kumar Panda

Organized by

School of Advanced sciences,
Vellore Institute of Technology,
Vellore