

## Department of Physics

### Sri GVG Visalakshi College for Women, (Autonomous)

Affiliated to Bharathiar University


Re- Accredited at A<sup>+</sup> Grade by NAAC (Fourth Cycle)

An ISO 9001:2015 Certified Institution



Udumalpet - 642128, Tamilnadu




**Hands – On Training on FTIR Spectrometer under DBT Star College Scheme on  
04.01.2023(FN).**



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Udumalpet - 642128, Tamilnadu.




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**DEPARTMENT OF PHYSICS  
ORGANIZES  
HANDS ON TRAINING ON  
FTIR SPECTROMETER  
UNDER  
DBT STAR COLLEGE SCHEME**

**Resource person : M. SOMASUNDARAM**  
**Assistant Manager Service**  
**ANATEK SERVICES PVT. LTD**  
**JASCO**  
**Venue : Department of Physics**  
**DATE : 04.01.2023**  
**TIME : 10.00 AM (FN)**



**ALL ARE CORDIALLY INVITED**  
**ORGANIZED BY**  
**DEPARTMENT OF PHYSICS**

# Report of Hands-on-Training on FTIR Spectrometer

Date: 04.01.2023

Time: 10.00 AM

Department of Physics was organized Hands-On-Training on FTIR Spectrometer under DBT-Star College Scheme on 04.01.2023 (FN). The Programme was initiated and co-ordinated by Dr. M. Nirmala, Assistant Professor of Physics, Mr. M. Somasundaram, Assistant Manager Service, Anatek Pvt. Ltd trained the students in the following aspects of FTIR

- ⇒ Basic understanding of Infrared Spectroscopy in identification and characterization of materials.
  - ⇒ Different components of FTIR Spectrometer such as IR source, detector, beam splitter and Attenuated Total Reflectance (ATR)
  - ⇒ Hands-on experience of Sample preparation methods by making pellets and using ATR
  - ⇒ Spectral processing techniques, generation of graphs and data analysis.
  - ⇒ characteristic absorption Spectra of Various Compounds such as alkanes, alkynes, alcohols and ethers.
- Finally students and research scholars were carried out Sample Analysis. No. of Beneficiaries : 20

*M. Nirmala*

HOD

Mrs. B. NIRMALA  
Head of the Department of Physics  
Sri GVG Visalakshi College for Women  
Udumalpet, Tamilnadu - 642128

*M. Somasundaram*

(Asst. Manager - Service)

*M. Somasundaram*  
Dept. DBT Co-ordinator.

*Rajivaraman*

Principal 4.1.23

PRINCIPAL  
SRI GVG VISALAKSHI COLLEGE  
FOR WOMEN (AUTONOMOUS)  
VENKATESA MILLS POST,  
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