

## 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

ORGANIZED BY

DEPARTMENT OF PHYSICS

VENUE: DEPARTMENT OF PHYSICS

DATE: 04.01.2023 (10.00 AM)

Date	Topic	Details of Resource Person Topic	No. of Beneficiaries
04.01.2023	Hands-On –Training on FTIR Spectrometer	Mr.M.Somasundaram, Assistant Manager Service, Anatek Pvt Ltd, Chennai	20 students from B.Sc & M.Sc Physics, Sri GVG Visalakshi College for women.

**Department of Physics**

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Udumalpet - 642128, Tamilnadu



**Circular**

Dear Professors

Department of Physics is going to organize the workshop under DBT star college scheme in "Hands-On -Training on FTIR Spectrometer". All are cordially invited.

**Date:** 04-01-2023

**Time:** 9.30 AM

**Head of the Department**

**Mrs. B. NIRMALA**

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

**Principal**



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(4th Cycle)



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Udumalpet - 642128, Tamilnadu.

**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**

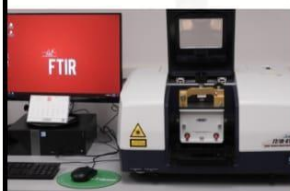
**DATE : 04.01.2023**

**TIME : 10.00 AM (FN)**

**ALL ARE CORDIALLY INVITED**

**ORGANIZED BY**

**DEPARTMENT OF PHYSICS**



# **SRI GVG VISALAKSHI COLLEGE FOR WOMEN**

(AUTONOMOUS)

Udumalpet, Tamil nadu Accredited at A<sup>+</sup> Grade by NAAC (4<sup>th</sup> Cycle)

## **HANDS-ON – TRAINING ON FTIR SPECTROMETER**

ORGANISED BY

DEPARTMENT OF PHYSICS

**DAY: 04.01.2023**

**Time: 10.00 AM**

**Venue: Department of Physics**

Prayer Song	:	S.Priyadharshini , II M.Sc Physics
Welcome Address	:	Dr. S.Aram Associate Professor of Physics Sri GVG Visalakshi College for Women
Special Address	:	Mr.M.Somasundaram, Assistant Manager Service, Anatek Pvt Ltd,Chennai
Vote of Thanks	:	Dr. M. Nirmala, Assistant Professor of Physics, Sri GVG Visalakshi College for Women



# 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 (Fri). The program 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)

Dept. DBT Co-ordinator

*Rajivaraman*

Principal 4.1.23

PRINCIPAL  
SRJ GVG VISALAKSHI COLLEGE  
FOR WOMEN (AUTONOMOUS)  
VENKATESAMILLS POST,  
UDUMALPET - 642 128



### Hands-On – Training on FTIR Spectrometer

S.No	Reg.No.	Class	Name of the student	Signature of the student
1	21MP0624	II M.Sc Physics	DHARANI.S	S. Dhani
2	21MP0625	II M.Sc Physics	KAVITHA.U	U. Kavitha
3	21MP0626	II M.Sc Physics	PRIYADARSHINI.S	S. Priyadarshini
4	21MP0627	II M.Sc Physics	RAJA AKALYA.P	P. Akalya
5	21MP0628	II M.Sc Physics	SHOBIKA.M	M. Shobika
6	21MP0629	II M.Sc Physics	SURYA.V	V. Surya
7	22MP1185	I M.Sc Physics	AYESHNABANU	M. I. Ayesha Banu
8	22MP1186	I M.Sc Physics	ISWARYA.V	V. Iswarya
9	22MP1187	I M.Sc Physics	KALEESWARI.T	T. Kaleeswari
10	22MP1188	I M.Sc Physics	MALINIDEVI.R	R. Malinidevi
11	22MP1189	I M.Sc Physics	PAVITHRA.K	K. Pavithra
12	22MP1190	I M.Sc Physics	PAVITHRA.P	P. Pavithra
13	22MP1191	I M.Sc Physics	PREETHI.A.R.	A. R. Preethi
14	22MP1192	I M.Sc Physics	SAKKARAIAMMA BEGAM	S. Sakkaraiamma Begam
15	22MP1193	I M.Sc Physics	SWETHA.S	S. Swetha
16	20BP9149	III B.Sc Physics	DIVYA.A	A. Divya
17	20BP9150	III B.Sc Physics	GAYATHIRI.A	A. Gayathri
18	20BP9151	III B.Sc Physics	GOWRI.N	N. Gowri
19	20BP9152	III B.Sc Physics	GOWTHAMI.N	N. Gowthami
20	20BP9153	III B.Sc Physics	KARTHIKEYANI SEBLS .B	B. Karthikeyani Sebils