

Sri GVG Visalakshi College for Women, (Autonomous)

Affiliated to Bharathiar University

Re- Accredited at A⁺ Grade by NAAC (Fourth Cycle)

An ISO 9001:2015 Certified Institution

Udumalpet - 642128, Tamilnadu



Report of Institutional Visit

On 29.09.2022, III B.Sc Physics Students have visited the Nanoscience Laboratory at Bharathiar University, Coimbatore. Students had a firsthand learning experience about the advanced sophisticated Instrumentation Techniques such as

1. X-ray diffraction spectroscopy
2. Fourier Transform Infrared spectroscopy
3. Ultra-violet visible spectroscopy
4. Field Emission Scanning Electron Microscopy
5. Dielectric studies Measurement
6. Raman Spectroscopy
7. Electrochemical Workstation
8. Electrospinning Unit
9. Electrochemical gas sensor unit
10. Bruner Emmett Teller Analysis

used for the characterization of the prepared materials.

No of Beneficiaries: 20

Outcome : The students will be able to

- i) Interpret the XRD spectral data of their samples prepared for their project work

ii) Perform SEM image interpretation of their samples

iii) Find the Bandgap energy of the samples.

REPORT OF INSTITUTIONAL VISIT

On 29.09.2022, III B.Sc Physics students have visited the Nanoscience Laboratory at Bharathiar University, Coimbatore. Students had a first hand learning experience about the advanced sophisticated Instrumentation techniques such as

1. X-ray diffraction Spectroscopy
 2. Fourier Transform Infrared Spectroscopy
 3. Ultra-violet Visible Spectroscopy
 4. Field Emission Scanning Electron Microscopy
 5. Dielectric Studies Measurement
 6. Raman Spectroscopy
 7. Electrochemical Workstation
 8. Electrospinning unit
 9. Electrochemical gas sensor unit
 10. Brunauer-Emmett-Teller Analysis
- Used for the characterization of the Prepared nano materials.

No of Beneficiaries : 20

~~Expected~~ Outcome : The students ^{will} can be able to

- i) Interpret the XRD Spectral data of their samples prepared for their project work
- ii) Perform SEM image Interpretation of their samples.
- iii) Find the Band gap energy of the samples.

M. Anand
DBT Co-ordinator

B. Nirmala
HOD

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

Rajeswari . K .
Principal

PRINCIPAL
SRI GVG VISALAKSHI COLLEGE
FOR WOMEN (AUTONOMOUS)
VENKATESA MILLS POST,
UDUMALPET - 642 128





