



HOLY CROSS COLLEGE (Autonomous)

Affiliated to Bharathidasan University
Nationally Accredited (4th Cycle) with A++ Grade (CGPA 3.75/4) by NAAC
College with Potential for Excellence
Tiruchirappalli-620002



Centralized Instrumentation Facility Organizes

DST-FIST SPONSORED

A State Level Workshop on Spectroscopic Techniques (Hands-on Training)

Presided by

Dr. (Sr.). P. RAJAKUMARI

Principal

**Holy Cross College (Autonomous),
Tiruchirappalli-620002**

Chief Guests

Dr. D. SARAVANAN, M.Sc., Ph.D.,

**Coordinator of NCIF
Assistant Professor of Chemistry
National College (Autonomous)
Tiruchirappalli**

Capt. Dr. A. VISWANATHAN, M.Sc., Ph.D.,

**Assistant Professor
Department of Physics
Anna University-BIT Campus
Tiruchirappalli**

Date : 17.02.2026

**Title : Principle, Application and Interpretation of Results
of UV-Visible Spectrophotometer and FT-IR Spectroscopy**

Date : 18.02.2026

**Title : Principle, Application and Interpretation of Results
of Raman Spectrometer**

Registration Time : 8:30 - 9:30 am

Inauguration Time: 9:30 am

Last Date for Registration: 16th February 2026

QR Code for Registration

Date : 17th & 18th February 2026

Venue: Jositta Hall



Registration Fees

**Students: Rs. 250/-
Faculty/Research Scholars: Rs. 300/-**

About The College

Holy Cross College (Autonomous) Tiruchirappalli is a highly reputed Arts and Science College for Women in the State of Tamil Nadu for 102 Years. It was started for the benefit of young girls as early as 1923 by the Sisters of the Cross of Chavanod, Province of Tiruchirappalli, Affiliated to Bharathidasan University. It Was accredited by National Assessment and Accreditation Council (NAAC) with A Grade in 2020 (4th Cycle) with A++ with CGPA Score of 3.75 on a 4.0 Scale by NAAC. The College Secured 52nd position in NIRF Ranking in 2025. Holy Cross College Continues to explore newer terrains with marked signpost of excellence to nurture holistic education and to empower the young minds with knowledge, values and skills necessary to be locally resourceful and globally competent.

Centralized Instrumentation Facility

The Centralized Instrumentation Facility (CIF) is established to provide data collection facility from analytical equipments to scientific community for their advanced research with nominal charges. The facility has grown into a major centre for spectral measurements molecular and crystal structure determination and materials characterization.

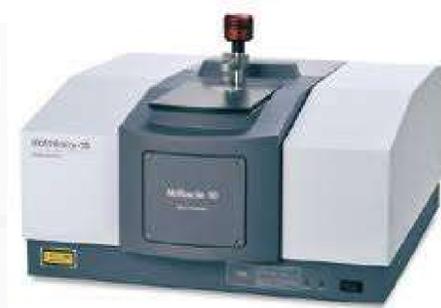
About The Programme

This programme is designed to provide participants with a comprehensive understanding of structural characterisation techniques using three key analytical instruments: the UV-Visible Spectrophotometer, FTIR (Fourier Transform Infrared) Spectrometer, and Raman Spectrometer.



UV-Visible Spectrophotometer

- Principle
- Application
- Interpretation of Results
- Instrument Handling



FT-IR Spectroscopy

- Principle
- Application
- Interpretation of Results
- Instrument Handling



Raman Spectrometer

- Principle
- Application
- Interpretation of Results
- Instrument Handling

WORKSHOP SCHEDULE

DAY-1

UV-Visible Spectrophotometer & FT-IR Spectroscopy

Registration Time : 8:30 - 9:30 am

Inauguration Time : 9:30 am

Break Time

Technical Session : 11:00 - 12:00 pm

Hands on Training Session : 12:00 - 1:30 pm

DAY-2

Raman Spectrometer

Technical Session : 9:30 - 10:30 am

Hands on Training Session : 10:30 - 11:30 am

Break Time

Hands on Training Session : 11:45 - 12:30 pm

Valediction Time : 12:30 - 1:30 pm

Organizing Secretaries

Dr.P. Shanthi, M.Sc., M.Phil., Ph.D.,

CIF Coordinator

DST-FIST Coordinator

Associate Professor of Botany

Holy Cross College (Autonomous)

Tiruchirappalli - 620002

N. Ganesan, M.Sc.,

Lab Technician

Holy Cross College (Autonomous)

Tiruchirappalli -620002

Organizing Committee

- **Dr.A.J. Bhorgin Lourdu Mary**
- **Dr.M. Revathi**
- **Dr.J. Merline Vinotha**
- **Dr.J. Rosaline Vimala**
- **Dr.A. Jennifer Christy**

Department of Zoology

Department of Botany

Department of Mathematics

Department of Chemistry

Department of Physics

Contact Details



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Benefits of This Programme

- Learn the principles and applications of advanced spectroscopic techniques.
- Gain hands-on experience in instrument handling.
- Master the interpretation of analytical results with clarity and confidence.
- Strengthen your skills for research and industry applications.