



# SATHYABAMA



Institute of Science and Technology  
(Deemed to be University)  
"Accredited with A++ By NAAC"



## ORGANIZES

CENTRE FOR WASTE MANAGEMENT

CENTRE OF EXCELLENCE FOR ENERGY RESEARCH &

CENTRE FOR NANOSCIENCE AND NANOTECHNOLOGY

## "ONE-DAY TRAINING CUM WORKSHOP ON ATR FT-IR SPECTROSCOPY AND INTERPRETATION FOR SCIENCE & ENGINEERING APPLICATIONS"

**DATE: February 14, 2025**

**TIME: 9 AM TO 3 PM**

**VENUE : SENATE HALL, INTERNATIONAL RESEARCH CENTRE**

### About Centre for Waste Management

Centre for Waste Management and Centre of Excellence for Energy Research has a vision innovate new ideas and technologies towards achieving the cleaner, greener and sustainable environment. The Centre since its inception has been involved in research leading to innovative products, developing patent liable novel ideas in Waste Management, publishing the experimental outcomes in indexed /peer reviewed journals, training graduate students, offering consultancy services and involves in several outreach activities in transferring the research findings for societal benefits. Centre for Nano science and Nanotechnology involves in the development and characterization of nanomaterials for wide range of applications including energy, environment and medicine.

#### Patrons

Dr. Mariazeena Johnson, Chancellor

Dr. Marie Johnson, President

Mr. J. Arul Selvan, Vice President

Mrs. Maria Bernadette Tamarasi, Vice President

Ms. Maria Catherina Jayapriya, Vice President

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#### Organizing Secretary

Dr. Dawn SS, Professor (Research)

#### Conveners

Dr. P. Priyadharsini, Assistant Professor (Research)

Dr. S. Sanjeevi Prasath, Assistant Professor (Research)

#### Co-Conveners

Dr. J. Arun, Assistant Professor (Research)

Dr. N. Nirmala, Assistant Professor (Research)

S. V. Siva Shankari, Project Associate -I, (SERB Power Grant)

#### Contact Information :

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Centre for Waste Management-IRC,

Sathyabama Institute of Science and Technology



### Highlights

- Enhances FT-IR understanding through demonstrations.
- Covers sample preparation, spectral acquisition, and data processing.
- Helps correlate composition, structure, and properties of materials.
- Aids in FT-IR interpretation, including functional group identification.
- Supports peak assignment using Origin Pro 8.5.

### Takeaways

- Ability towards the interpretation of FT-IR data
- Useful towards high-impact paper writing
- Strengthens the ability to correlate spectral features with material properties

**To Register : [Click Here](#)**

Registration fee for students: Rs. 500

Faculty: Rs. 750

Account number: 6500955039

IFSC Code: IDIB000S201

Bank name: Indian bank

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Sathyabama Institute of Science and Technology

Website: <https://www.centreforwastemanagement.com/>

<https://centrefornanotechnology.com/>