



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
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PROGRAMME REPORT ON

Workshop-One-Day Workshop on FT-IR Spectroscopy Techniques

Resource Person

**Dr. S. Kumaran, Professor, Department of Biotechnology, & Director
IICE- The Office of Research and Development PMIST, Vallam,
Thanjavur Dr. S. Gomathi, Associate Professor, Department of
Chemistry, & Deputy Director (CSAS) PMIST, Vallam, Thanjavur**

Organized by

CHEMISTRY- PMIST



**PERIYAR MANIAMMAI INSTITUTE OF
SCIENCE & TECHNOLOGY**

Periyar Nagar, Vallam, Thanjavur - 613403
Tamil Nadu, INDIA

FACULTY OF SCIENCE AND HUMANITIES

Department of Chemistry & Physics

Workshop	Experts / Guest Speaker	Beneficiaries
<p>One-Day Workshop on FT-IR Spectroscopy Techniques</p> <p>Date / Period: 19-08-2025 Time: 9.30 a.m. to 1.00 p.m.</p> <p>Report / Summary / Key points discussed:</p> <p>The Departments of Chemistry and Physics of PMIST jointly organized a One-Day Workshop on FT-IR Spectroscopy Techniques on 19th August 2025 from 9:30 AM to 1:00 PM. The workshop aimed to provide in-depth knowledge of FT-IR instrumentation and its applications in various scientific domains, particularly in chemistry and biology. The session commenced with a welcome address delivered by Dr. P. Gayathri, Associate Professor, Department of Chemistry, PMIST.</p> <p>The first session was handled by Dr. S. Kumaran, Professor, Department of Biotechnology & Director, IICE – The Office of Research and Development, PMIST. He delivered an informative lecture on “FT-IR Instrumentation and its Applications in Biology”, covering the principles, components of FT-IR spectrometer, sample preparation techniques, and its significance in biological research.</p> <p>The second session was presented by Dr. S. Gomathi, Associate Professor, Department of Chemistry & Deputy Director (CSAS), PMIST, on the topic “Decoding Functional Groups through IR Spectroscopy: Application and Problem Solving”. The session provided practical</p>	<p style="text-align: center;">Dr. S. Kumaran, Professor, Department of Biotechnology, & Director IICE- The Office of Research and Development PMIST, Vallam, Thanjavur</p> <p style="text-align: center;">Dr. S. Gomathi, Associate Professor, Department of Chemistry, & Deputy Director (CSAS) PMIST, Vallam, Thanjavur</p>	<p style="text-align: center;">UG & PG Students</p> <p style="text-align: center;">52</p>

Workshop	Experts / Guest Speaker	Beneficiaries
<p>insights into functional group identification, interpretation of spectra, and solving real-time analytical problems using FT-IR spectroscopy.</p> <p>A total of 52 participants, including undergraduate and postgraduate students, as well as faculty members from the Departments of Chemistry and Physics, actively took part in the workshop. The participants interacted enthusiastically with the resource persons and clarified their queries regarding FT-IR techniques and applications. The event concluded with a vote of thanks proposed by Dr. P. Sathish, Assistant Professor, Department of Physics, PMIST, expressing gratitude to the resource persons, organizers, and participants for making the workshop a success.</p>		



Dr. S. Kumaran delivering a lecture on FT-IR Instrumentation and its applications in Biology.



Dr. S. Gomathi delivering an engaging session on decoding functional groups using IR Spectroscopy

Attachments (as separate file):

1. Event Flyer / Poster [PDF] – **Attached - YES**
2. Participants' list with attestation (signature & seal of the organizer) [Scanned PDF] -**Attached - YES**
3. Feedback (if applicable) - **NIL**

ACCREDITATIONS & RANKINGS



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“One-Day Workshop on FT-IR Spectroscopy Techniques”

Jointly organized by the

Department of Physics & Chemistry

Date: 19.08.2025

Time : 09.30 am

Venue: Dawkins Hall AC



Resource Person

Dr. S. Kumaran,
Professor, Department of Biotechnology, &
Director IICE- The Office of Research and
Development
PMIST, Vallam, Thanjavur



Resource Person

Dr. S. Gomathi,
Associate Professor,
Department of Chemistry, &
Deputy Director (CSAS)
PMIST, Vallam, Thanjavur

Registration Link: <https://forms.gle/AgNezeaajJS3EKtg6>

Registration Fees : 100 Rs

Conveners

Dr. P. Gayathri
Associate Professor & Head
Department of Physics

Dr. S. Sundaranayagi
Assistant Professor (SG) & Head
Department of Chemistry

Periyar Maniammai Institute of Science &
Technology
(Deemed to be University)
Periyar Nagar, Vallam, Thanjavur 613 403
Tamilnadu, India

For more Details , Visit
www.pmu.edu
Email Id
headchem@pmu.edu
headphy@pmu.edu

Coordinators
Dr. M. Karthikeyan
Assistant Professor (SS)
Dr. P. Sathish
Assistant Professor

DEPARTMENT OF PHYSICS & CHEMISTRY
 periyar Nagar, vallam Thanjavur - 613 403, Tamil Nadu, India
 Phone: +91 - 4362 - 264642, Fax: + 91 - 4362 - 264660
 Email: headphy@pmu.edu headchem@pmu.edu
 Website: www.pmu.edu



PERIYAR
 MANIAMMAI
 INSTITUTE OF SCIENCE & TECHNOLOGY
 (PMIST) Periyar Nagar, Vallam
 Thanjavur - 613 403, Tamil Nadu

ONE DAY WORKSHOP ON FT-IR SPECTROSCOPY TECHNIQUES

Jointly organized by the
 Department of Physics & Chemistry

Date : 19.08.2025

Venue : Dawkins Hall Ac

S.No.	Name	Department	Signature
1.	M. Vengatesh	B.Tech (Mechanical)	M. Vengatesh
2	Densing, V.	B.Sc Physics	Densing, V.
3.	Mohamed Aashil.	B.Sc CHEMISTRY	R. Aashil.
4.	B. Nignesh	M.Sc Physics	B. Nignesh
5	R. Rajathirupathi	B.Sc chemistry	R. Rajathirupathi
6.	K. MANIKANDAN	B.Sc chemistry	K. Manikandan.
7.	B. Tamil Kumaran	Bsc. chemistry	B. Tamil Kumaran.
8.	M. KABILAN	BSc Chemistry	M. Kabilan
9.	E. Sridharan	BSc. Chemistry	E. Sridharan.
10.	S. Baba Sakin	BSc. Chemistry	S. Baba Sakin
11.	S. AVINASH	BSC Chemistry	S. Avinash
12	R. selvengopalaki	BSC, chemistry	R. selvengopalaki
13	M. GROWTHAM	B.sc Chemistry	M. Growtham
14.	B. Sivan Raj	" "	B. Sivan Raj
15.	S. vasanth	B.Sc. physics	S. Vasanth
16.	M. Melvin Joshua	M.Sc Chemistry	M. Melvin Joshua
17.	R. Srihari	M.sc chemisr	R. Srihari
18	G.S.Thiyanesh	MSc. Chemistry	G.S.Thiyanesh
19	R. Rajasundhar	B.sc chemistry	R. Rajasundhar
20	I. Shahulhameed	Bsc chemistry	I. Shahulhameed
21	R. lingaesh	B.Sc. Chemistry	R. Lingaesh

Coordinator

(P.SATHISH)

Convener

Head,
 Department of Physics,
 Periyar Maniammai
 Institute of Science & Technology,
 (PMIST) Periyar Nagar, Vallam
 Thanjavur- 613 403, Tamilnadu.



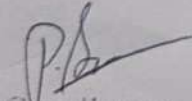
ONE DAY WORKSHOP ON FT-IR SPECTROSCOPY TECHNIQUES

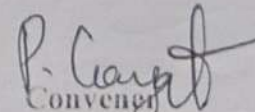
Jointly organized by the
 Department of Physics & Chemistry

Date : 19.08.2025

Venue : Dawkins Hall Ac

S.No.	Name	Department	Signature
1.	Samuel	chemistry	P. S.
2.	B. Mohamed Asliik	Physics	B. Mohamed
3.	A. Mohamed Anwarth	physics	A. Mohamed
4.	G. - Prabakaran	physics.	G. Prabakaran
5.	Ajay Maran	Physics	Ajay Maran
6.	S. Ramesh	Chemistry	S. Ramesh
7.	P. Pragasam	chemistry	P. Pragasam
8.	R. RAMISA	chemistry	R. Ramisa
9.	K. sharmi	chemistry	K. shi
10.	D. K. Suba	chemistry	D. K. Suba
11.	B. Havan	Physice	B. Havan
12.	S. S. Padmapriya	Physice	S. S. Padmapriya
13.	G. Vimothini	Chemistry	G. V. M.
14.	S. Soniya	chemistry	S. Soniya
15.	S. Vishali	chemistry	S. Vishali
16.	L. Karbagabashini	chemistry	L. Karbagabashini
17.	AISWARYA . S	chemistry	Aishwarya
18.	k. Sushmitha	chemistry	k. Sushmitha
19.	A. Karthy	chemistry	A. Karthy
20.	k. abhaya	chemistry	k. abhaya
21.	S. KEERTHI	PHYSICS	S. Keerthi


 Coordinator
 (P. SATHISH)


 Convener
 Head,
 Department of Physics,
 Periyar Maniammai
 Institute of Science & Technology,
 (PMIST) Periyar Nagar, Vallam
 Thanjavur - 613 403, Tamil Nadu

