

*A One-week Certificate Programme on*  
**SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES**  
*(A Hands-on Training)*

**2<sup>nd</sup> Batch**

**09.02.2024 to 15.02.2024**



**JAMAL INSTRUMENTATION CENTRE (JAMIC)**  
**JAMAL MOHAMED COLLEGE (Autonomous)**

Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle with CGPA 3.69 out of 4.0)  
(Affiliated to Bharathidasan University)  
Tiruchirappalli - 620 020





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(Affiliated to Bharathidasan University)  
**TIRUCHIRAPPALLI-20**

**Name of the Department:** Jamal Instrumentation Centre  
**Type of the Programme:** Certificate Programme  
**Title of the Programme:** A one-week certificate programme on spectroscopic and chromatographic techniques  
**Venue** : Jamal Instrumentation Centre  
**Dates** : 09.02.2024 to 15.02.2024

**Report of 2<sup>nd</sup> Batch of A one-week Certificate Programme on SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES**

Jamal Instrumentation Centre (JAMIC) is funded by the Department of Science and Technology, Government of India, under the Scheme - Fund for Improvement of Science and Technology Infrastructure in Higher Education Institutions (DST-FIST) in 2019. A sum of Rupees 110 Lakhs was sanctioned under the above scheme. Through the Scheme, the Centre JAMIC was established and equipped with UV-Visible spectrophotometer, Infrared Spectrometer, Raman Spectrometer, Atomic Absorption Spectrophotometer and High-Performance Liquid Chromatography instrument. In addition to that, the College Management has extended generously towards the complete development of the Centre.

A one-week certificate Programme on Spectroscopic and Chromatographic Techniques (A Hands-on Training) was organized for the second time by the Jamal Instrumentation Centre (JAMIC) from 09.02.2024 to 15.02.2024. The programme commenced with invoking blessings of the Almighty by Dr. M Anwar Sathiq, Associate Professor of Chemistry, Dr. M. Purushothaman, Coordinator of JAMIC and Associate Professor of Chemistry welcomed the gathering. The programme was inaugurated by Dr. D.I. George Amalarathinam, Vice Principal Jamal Mohamed College, Sir emphasised the importance of Spectroscopic and Chromatographic techniques in research perspectives. Dr. I. Joseph Antony Jerald, Head, Department of zoology, Jamal Mohamed College appreciated the efforts of JAMIC and motivated the Resource



persons and participants for their involvement and purposeful investment in enriching their scientific skills at the sacred portals of Jamal. The theme of the programme was highlighted by Dr. P. Rajasekar, Organizing Secretary and Assistant Professor of Zoology. Finally, Mr. J. Umar Malik, Assistant Professor of Physics proposed a vote of thanks.

The Research scholars and students in total 80 participants from UAE, C Abdul Hakeem College, Melvisaram, JJ College of Arts and Science, Pudukottai, Marudhupandiyar College, Vallam, Arignar Anna Arts and Science College, Musiri, Vellalar College, Erode, Nehru Memorial College, Puthanampatti, Government Arts and Science College, Perambalur, A.V.V.M Sri Pushpam College, Rajah Serfoji Government College, Tanjore, Holy Cross College, Trichy, Kings College of Engineering, Pudukottai, Excel Engineering College, Namakkal and our own College (JMC) as well actively participated in the programme.

The total participants were segregated into five different groups and five parallel sessions conducted through clustering system with two sessions per day. Each day, participants were able to gain a new learning through sample preparation, instrument operation, data acquisition and most importantly interpretation of results. The Hands-on Training on UV-Visible Spectrophotometer was handled by Dr. M. Anwar Sathiq, Associate Professor of Chemistry, Dr. N. Mujafarkani and Dr. A. Asrar Ahamed, Assistant Professors of Chemistry. Principle of Attenuated Total Reflectance technique, sample preparation and interpretation of IR was handled by Dr. K. Loganathan and Dr. M. Purushothaman, Associate Professors of Chemistry. Fourier Transform technique, Michelson Interferometer, Optical Section of Raman Spectrometer was clearly explained by Mr. J. Umar Malik, Assistant Professor of Physics and Dr. A. Abbas Manthiri, Associate Professor of Physics highlighted the sample recording and interpretation of results. Stepwise sample preparation, principles and interpretation of results of Atomic Absorption Spectrophotometer was handled by Dr. A. Sadiq Bukhari, Associate Professor of Zoology and Dr. S. Mohamed Hussain, Assistant Professor of Zoology. Principles, working procedure and sample application and interpretations of results of High-Performance Liquid Chromatography was emphasised by Dr. N. Ahamed Sherif and Dr. R. Syed Moideen, Assistant Professors of Botany. All



the participants appreciated the strenuous efforts of all the resource persons for meticulous planning, arrangement of the programme, enthusiasm and interest of faculty members; they showed a manner of clear presentation of technical experience in this event. All the participants together with the faculty members have succeeded in their attempts to complete the training here, which helped to motivate young minds and to create a scientific temper among Students community. On the final day of the programme, all the participants were allowed to analyse their samples and get consultation with the experts at every chamber of the instrument free of cost. This was very much appreciated by all the participants. Twenty-four samples were recorded for FT- Raman and thirty-one samples for FT- IR. As many as a record number of thirty-one samples for FT-IR and twenty-one samples for FT-Raman were analysed free of cost and interpretation of the same were also made known to the beneficiaries.

On 15<sup>th</sup> February 2024, in the valedictory function, Dr. M. Purushothaman, Coordinator, JAMIC welcomed the gathering. The report of the hands-on training was narrated by Dr. P. Rajasekar, Organizing Secretary. Dr. S. Ismail Mohideen, Principal delivered the valedictory address. Hajee M. J. Jamal Mohamed sahib, Treasurer of our college management committee appreciated the efforts of participants and motivated their involvement and investment in enriching their scientific knowledge at Jamal and distributed the certificates to the participants. During the session Dr. R. Jahir Hussain, Bursar and HoD of mathematics and Dr. I. Joseph Antony Jerald, HoD of zoology graced the occasion. Finally, Dr. N. Ahamed Sherif, Assistant Professor of Botany proposed a vote of thanks. Prior to that, a few of the participants were allowed to share their feedback of the Hands-on Training and they registered that the programme was much beneficial: easy to understand the working principle, sample preparation, separation and spectrum recording along with interpretation of results which they felt very unique in Jamal and applauded the program.



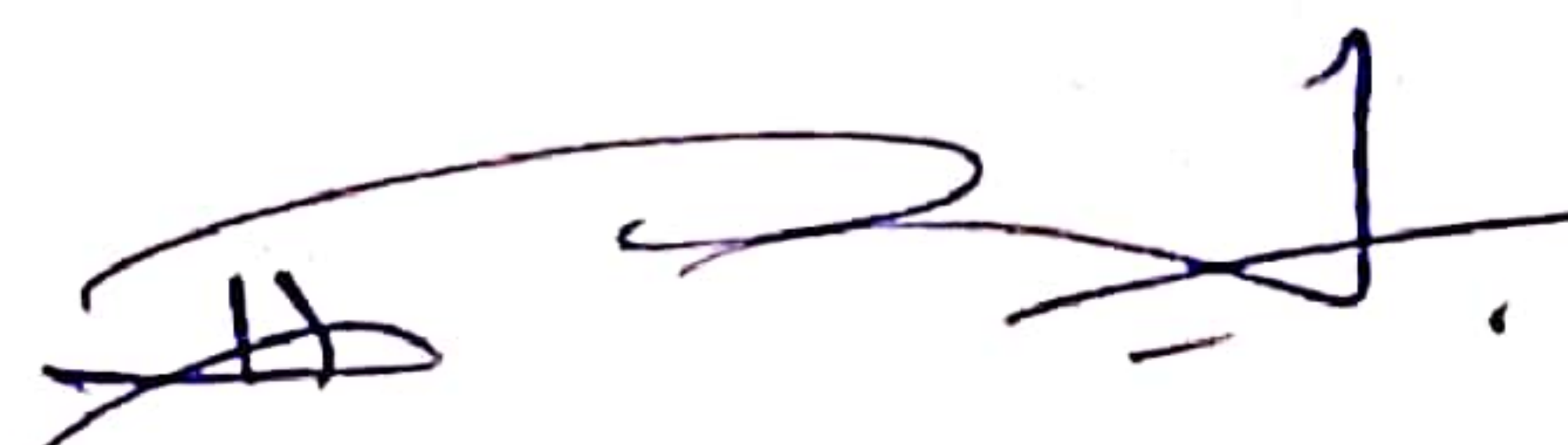
## Programme Outcomes:

On successful completion of the programme, the participants were

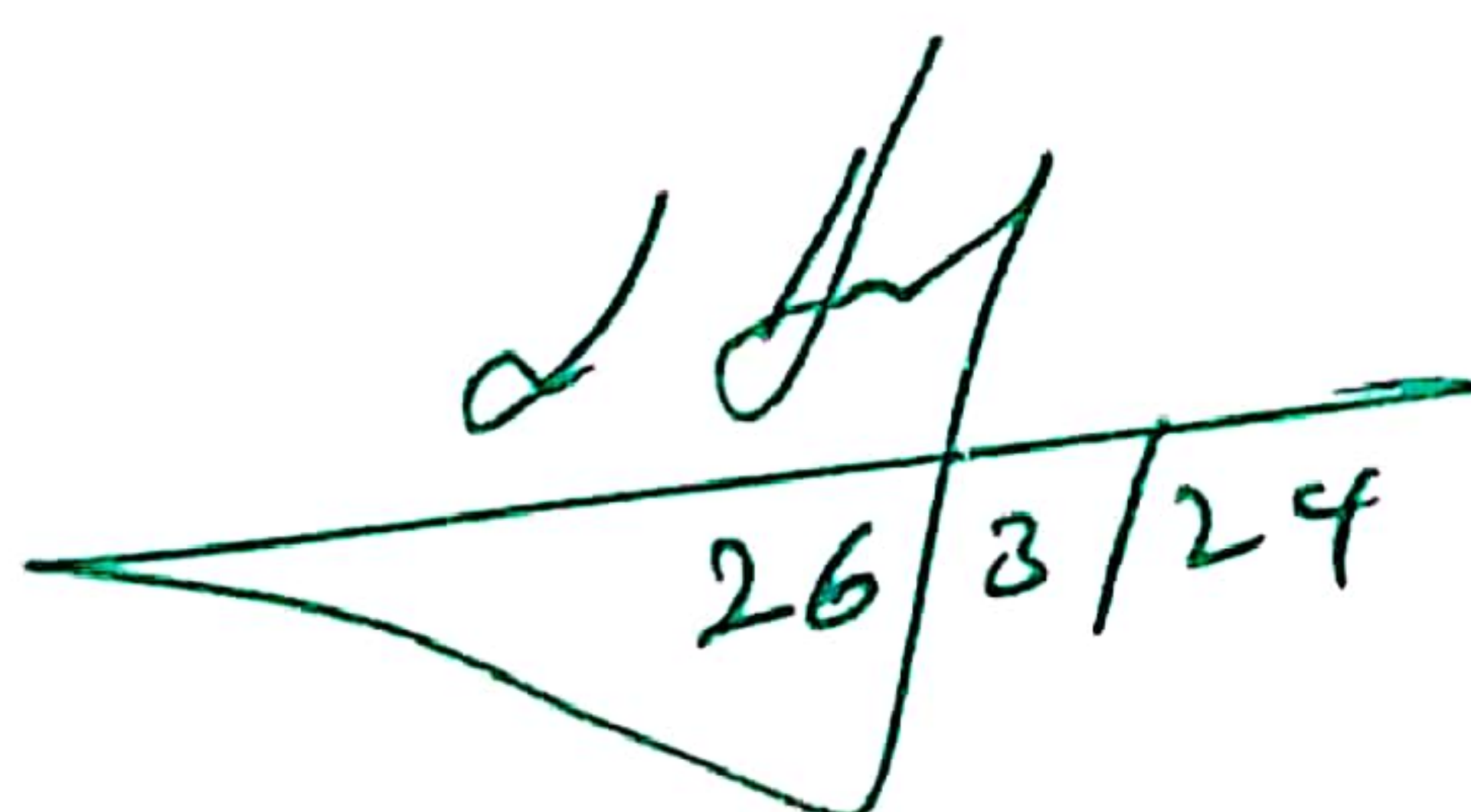
- Experienced to handle the Standard operating procedures of UV-Visible, FT-IR, FT-Raman and Atomic Absorption spectroscopy and High-Performance Liquid Chromatography.
- Familiarized Sensitivity and caution to the optical systems, Data acquisition and interpretation of the results.
- Demonstrated, analysed spectral data and applied the matrix corrections in the analysis.
- Able to quantitate metal / metalloids in different matrices using Flame photometer.
- Understood the role of various parameters of HPLC and trained to prepare and quantitate analytes.



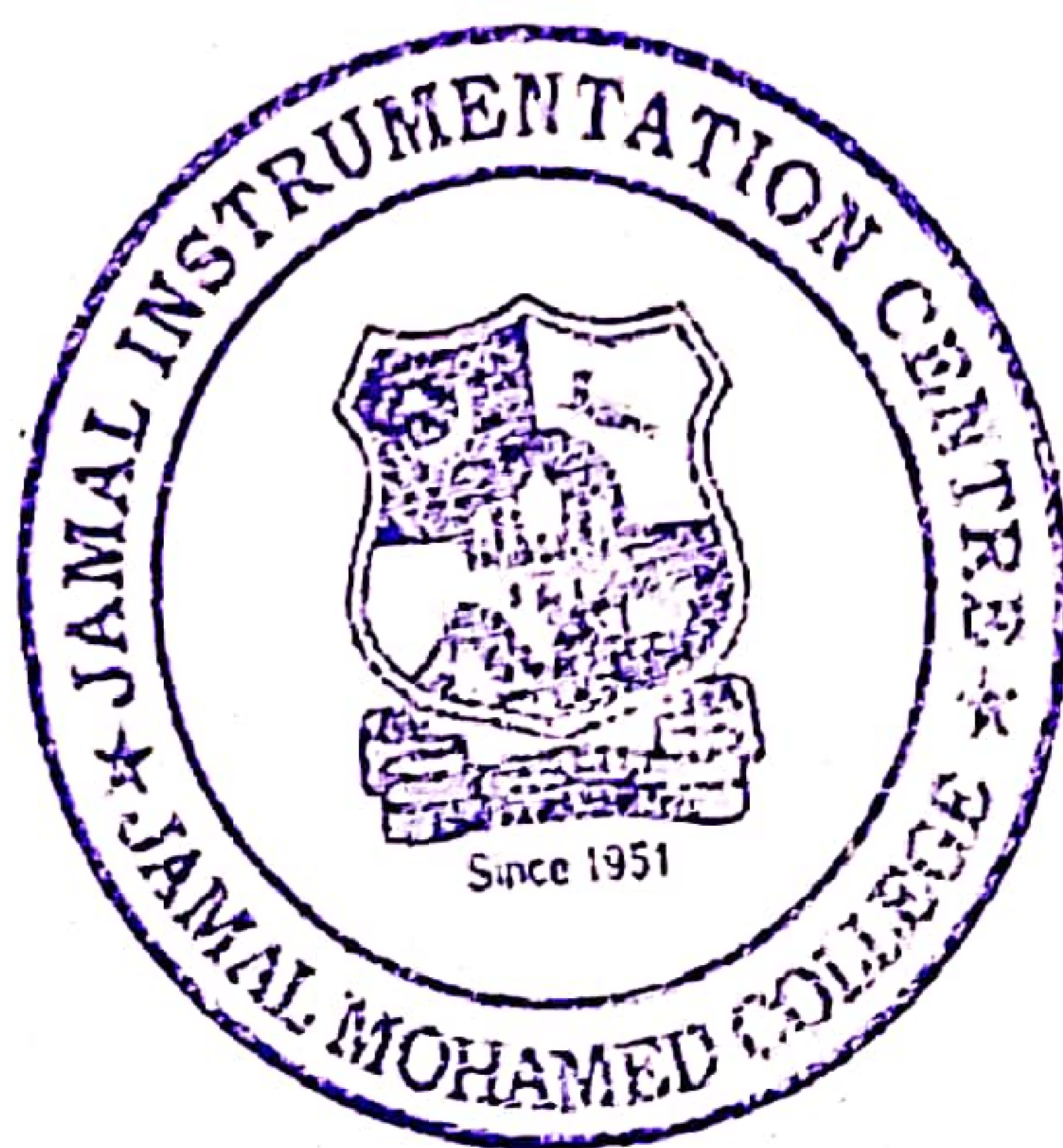
Organizing Secretary



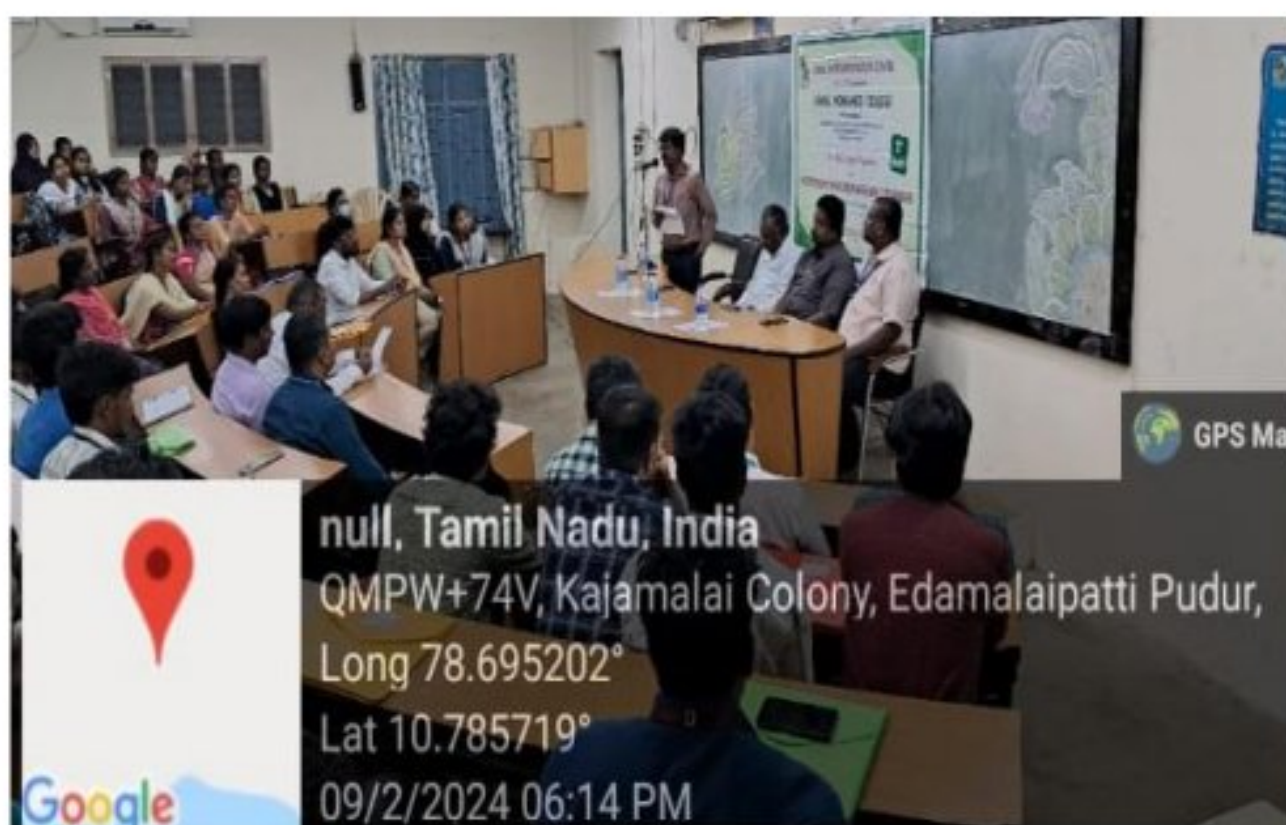
Coordinator



**COORDINATOR**  
JAMAL INSTRUMENTATION CENTRE  
JAMAL MOHAMED COLLEGE (Autonomous)  
Tiruchirappalli - 620 020



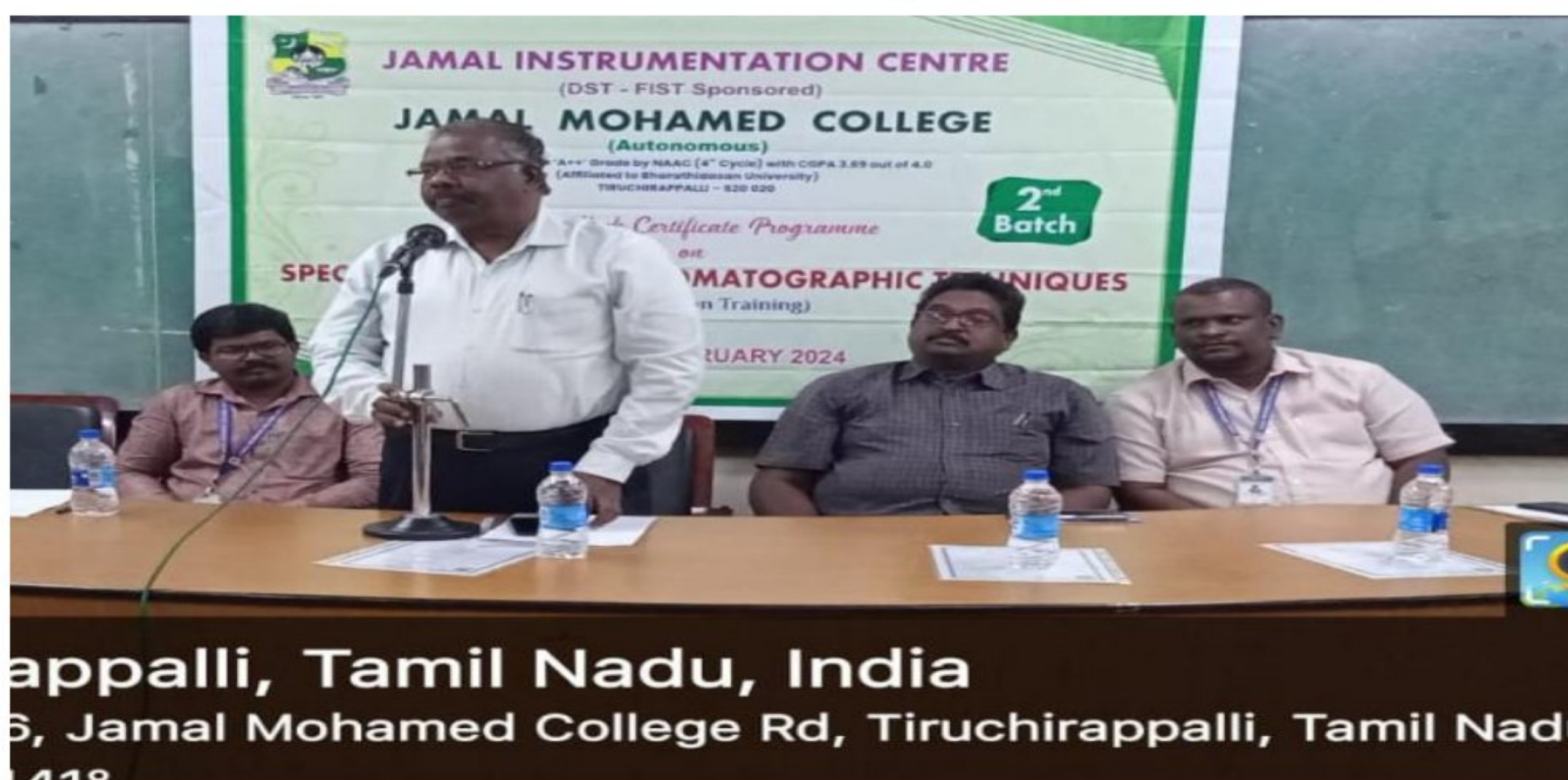




Dr. M. Purushothaman, Coordinator, JAMIC welcomes the gathering



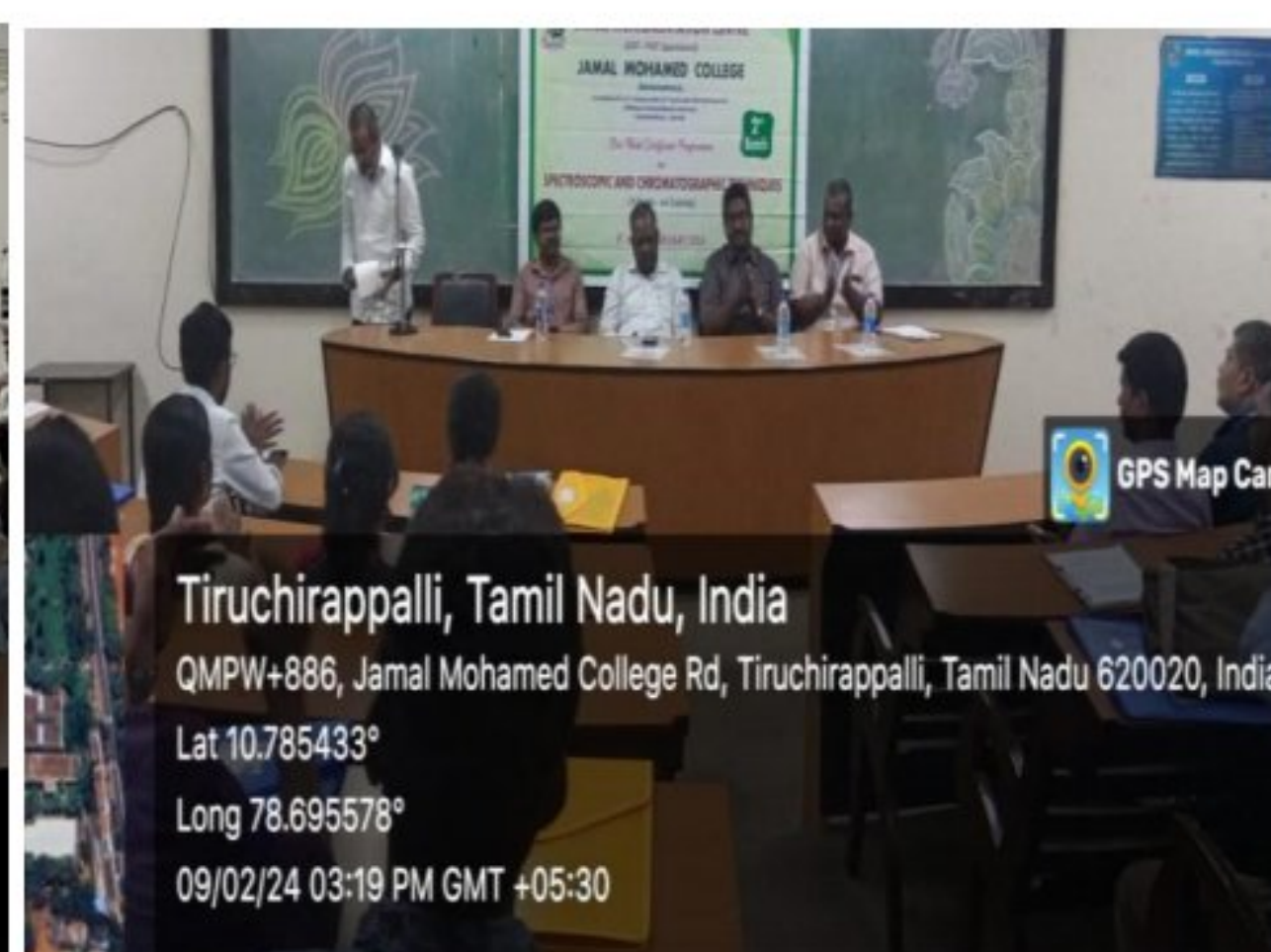
Dr. P. Rajasekar, Organizing Secretary highlights the theme of the Programme



Dr. D.I. George Amalarathinam, Vice Principal, Jamal Mohamed College inaugurates the programme

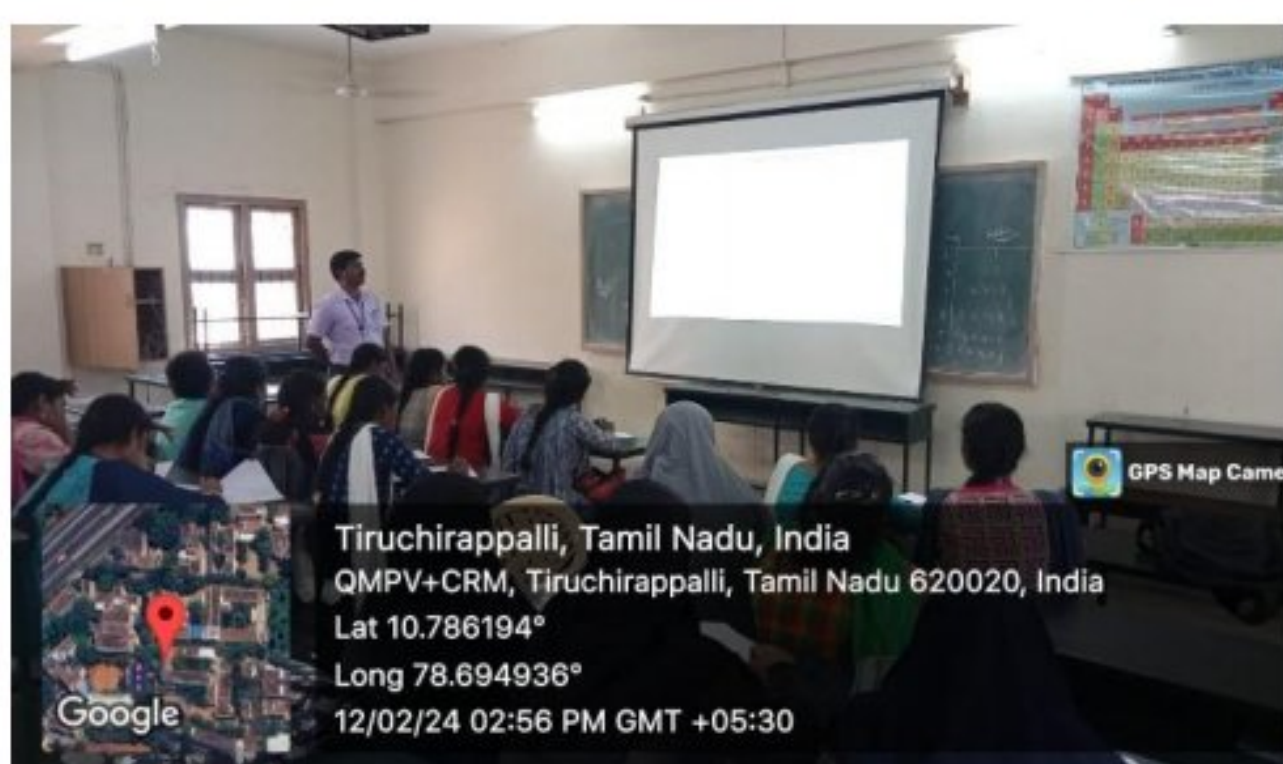
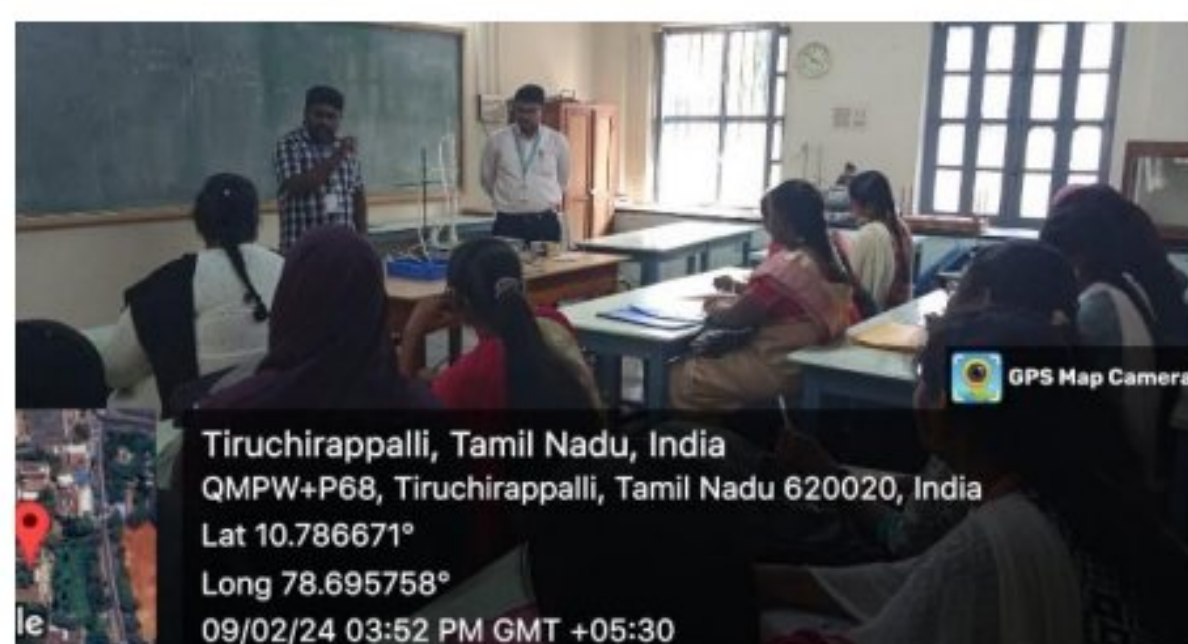
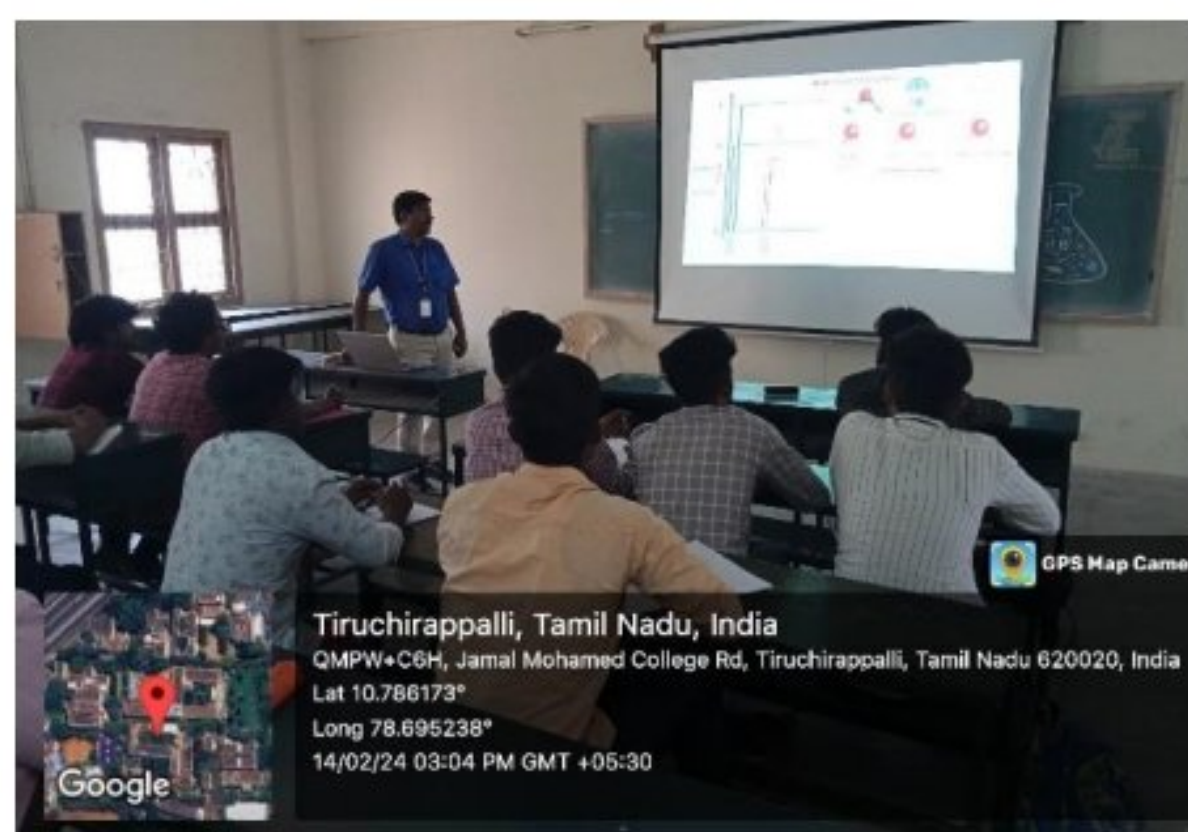
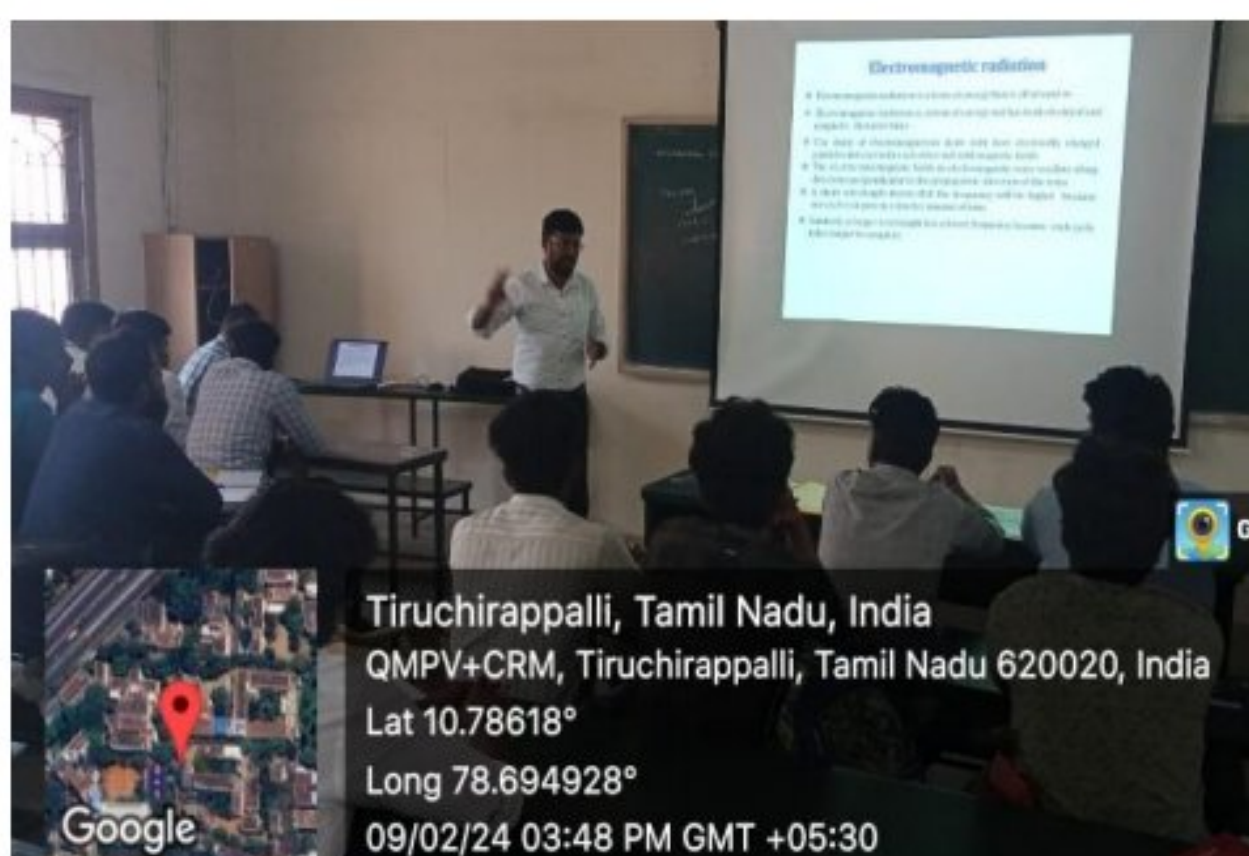


Dr. I. Joseph Antony Jerald, Head, Department of Zoology appreciates the efforts of JAMIC and the delegates



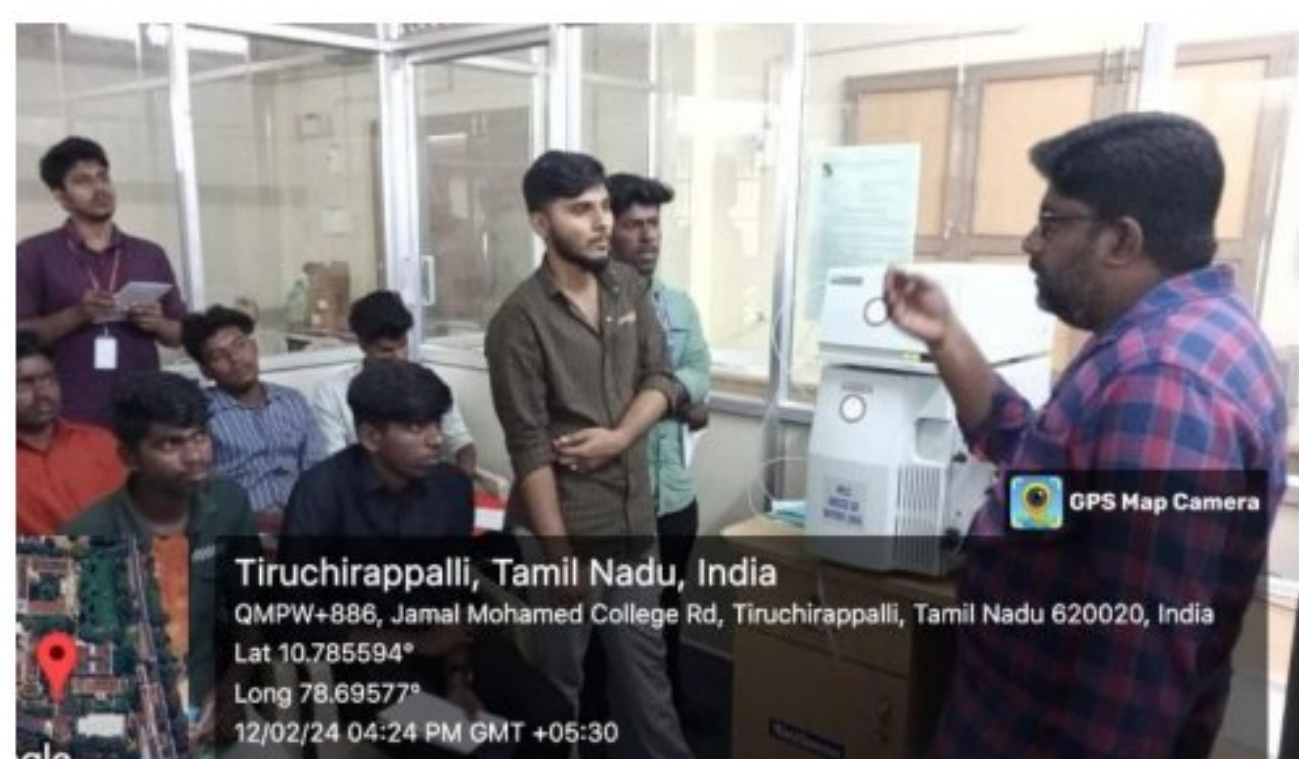
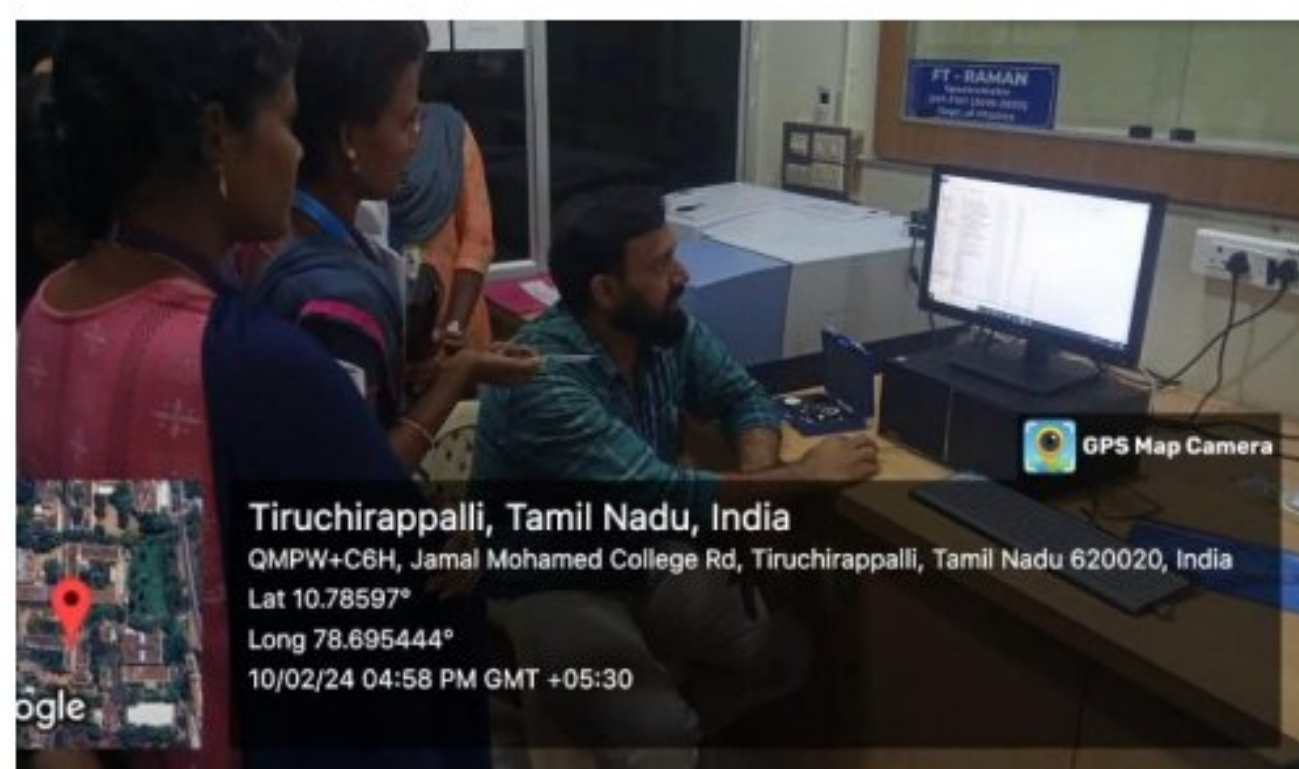
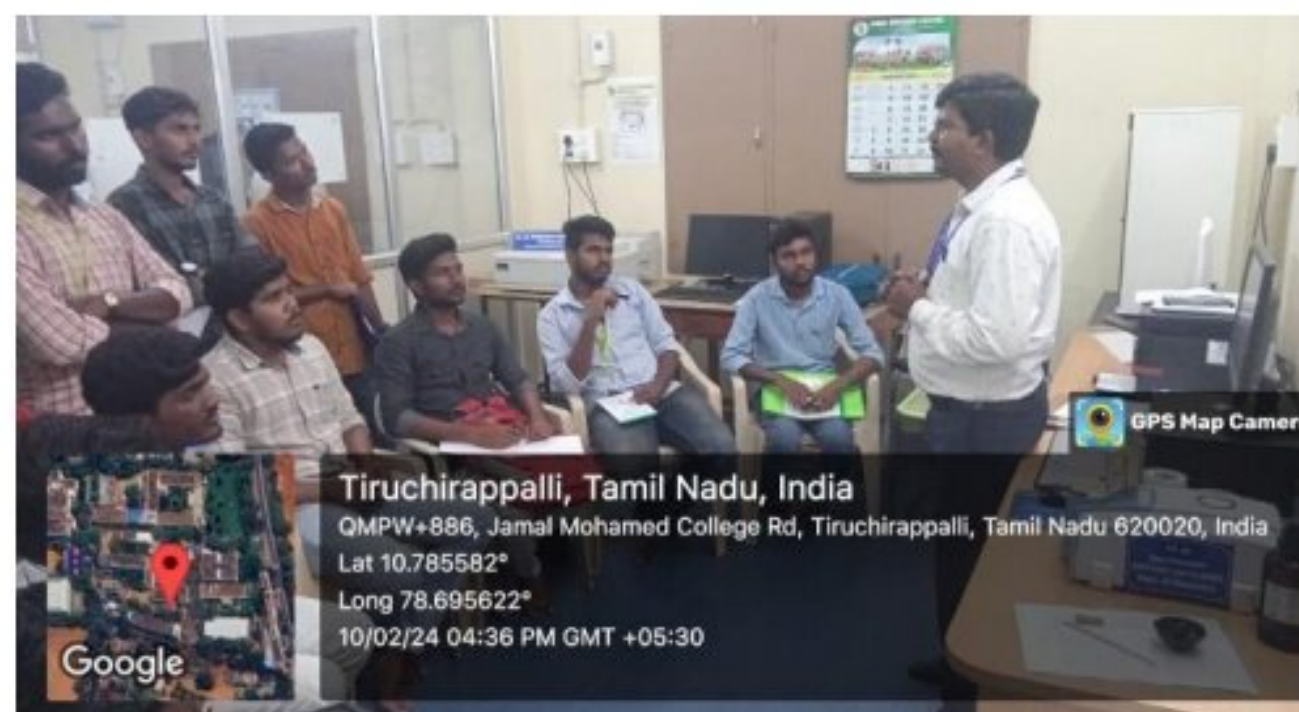
Mr. J. Umar Malik, Assistant Professor of Physics proposes a vote of thanks at the end of inauguration session.





Glimpses of Instrument Training





Glimpses of Instrument Training





Participants receiving certificates from the Treasurer, Principal and other dignitaries

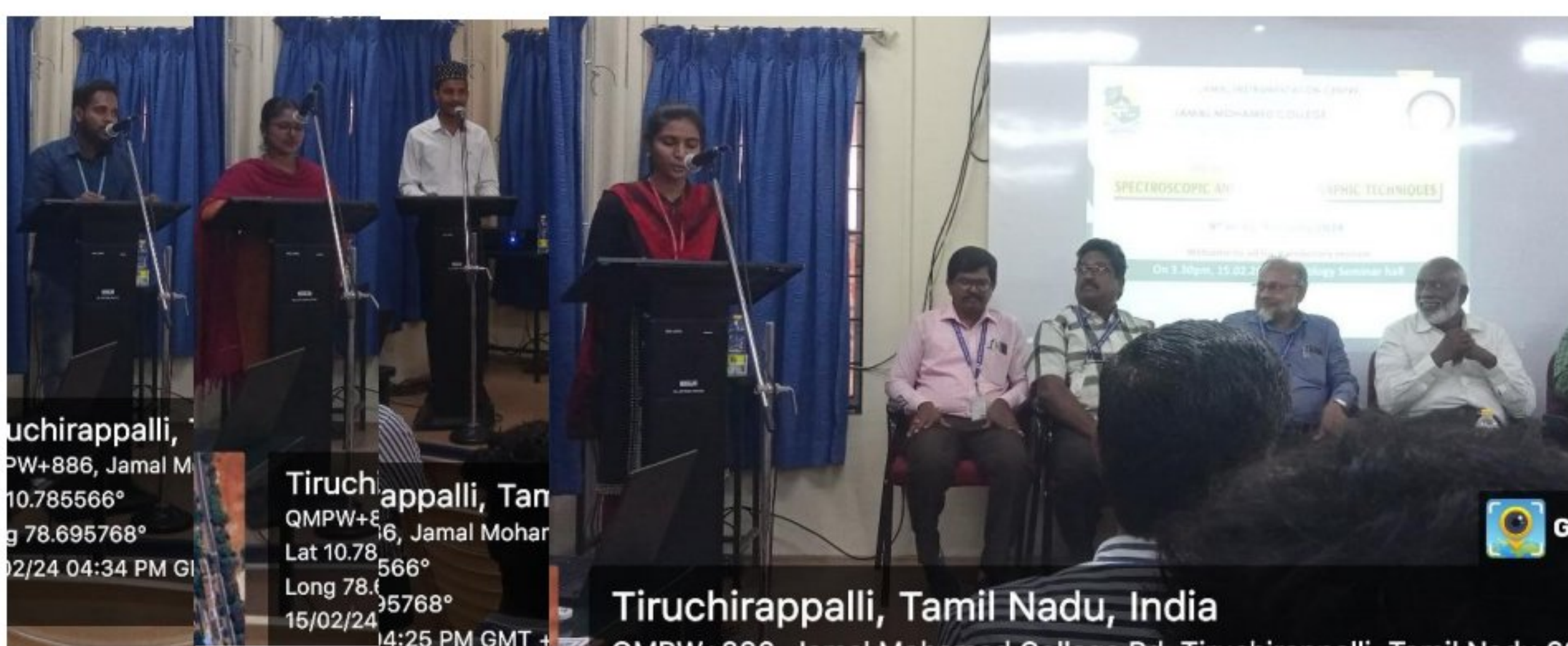




Treasure of our College offers felicitation



Principal of our College delivers presidential address



Participants sharing their views regarding the certificate programme





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TIRUCHIRAPPALLI - 620 020

2<sup>nd</sup>  
Batch of  
Training

*One Week Certificate Programme On*

## SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES

(A Hands - On Training)

9<sup>th</sup> to 15<sup>th</sup> February 2024

*organized by*

### JAMAL INSTRUMENTATION CENTRE (JAMIC)

(DST - FIST Sponsored)

**ABOUT THE COLLEGE:** Jamal Mohamed College, founded in 1951, is an Autonomous institution affiliated to the Bharathidasan University, Tiruchirappalli. The college is situated in the heart of Tiruchirappalli City. Over the period of 73 years, the college was able to scale greater heights and raise to the present status as a multi-faculty institution with 23 UG and 20 PG Programmes. Seventeen Departments of the college are approved Research Centres. The college has the strength of 12000 students.

**JAMIC:** The Jamal Instrumentation Centre (JAMIC) is funded by Department of Science & Technology, Government of India under FIST programme in 2019. This centre is equipped with UV-Visible spectrophotometer, FT-IR Spectrometer, FT-Raman Spectrometer, Atomic Absorption Spectrophotometer and High Pressure Liquid Chromatography to enhance quality research in basic as well as Applied Sciences. The Facility is available for students, Scholars and Academicians in and around Tamilnadu State.

**About the Programme:** This Programme is aiming to disseminate the knowledge on characterization by UV-Visible Spectroscopy, Infrared Spectroscopy, Raman Spectroscopy, Atomic Absorption Spectroscopy and Column Chromatography by applying high pressure through hands on training. It will be a platform for Post Graduate Students, Research Scholars, Academicians and Industrialists to understand the working principle, sample handling, instrument operation and Interpretation of results.

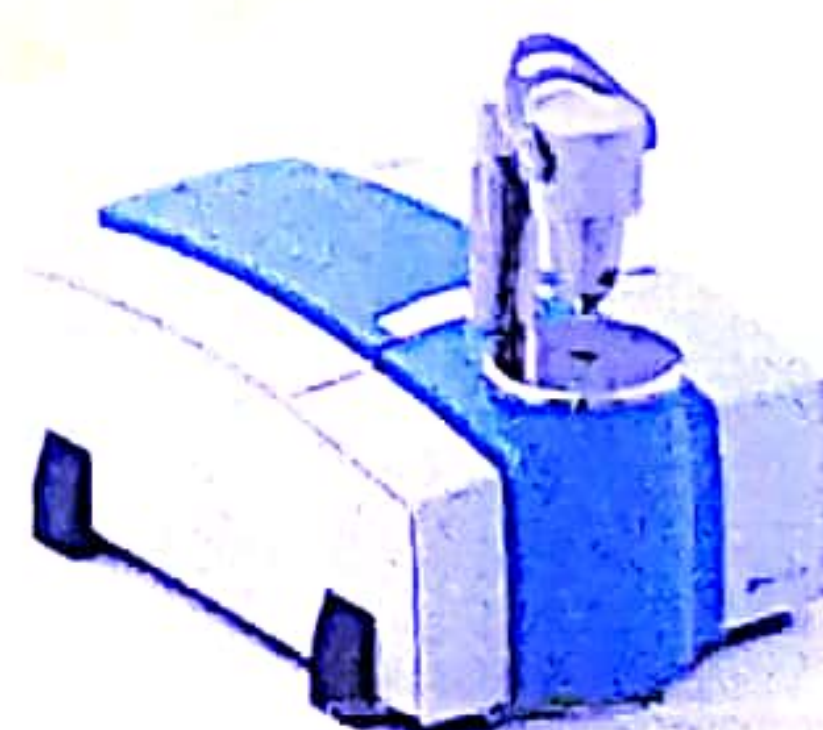


UV-visible Spectrophotometer  
Model: LAB INDIA 3000+

#### THE PROGRAMME COVERS

- \* Theoretical Principle
- \* Sample preparation
- \* Handling of Instruments
- \* Spectrum Recording
- \* Data Acquisition & Interpretation

**You can record spectrum for a sample free of cost**



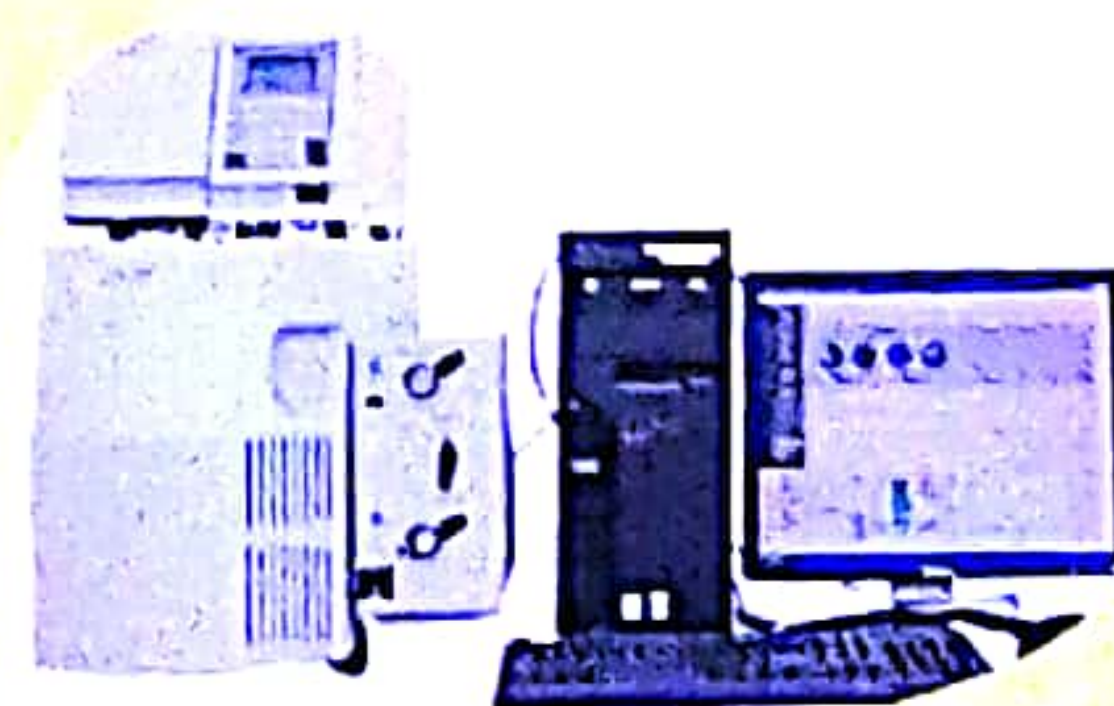
FT-IR Spectrometer  
Model: ALPHA II, Bruker



FT-Raman Spectrometer  
Model: Multi RAM Bruker



ATOMIC ABSORPTION SPECTROPHOTOMETER  
Model: ICE FIOS



BINARY HPLC  
Model: Waters 1525

Account No :046702000000009  
Jamal Mohamed College  
IFSC : IOBA0000467

Registration Fee Rs :1000/-  
Last date for Registration  
**05.02.2024**



**Course Timing: 2.30pm to 5.30pm**

Registration Link

<https://forms.gle/mxk7hx8tnQXa1u17>

Organizing Secretary  
**Dr. P. RAJASEKAR**  
Assistant Professor of Zoology

Contact Details  
Mobile : +91 99438 22028  
Mobile : +91 98944 19774  
e-mail : [rajasekar275@gmail.com](mailto:rajasekar275@gmail.com)

Co-ordinator  
**Dr. M. PURUSHOTHAMAN**  
Associate Professor of Chemistry  
Jamal Instrumentation Centre





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*One Week Certificate Programme on*  
**Spectroscopic and Chromatographic Techniques**  
(A Hands-on Training)

**From 09<sup>th</sup> to 15<sup>th</sup> February 2024**

*Organized by*  
**JAMAL INSTRUMENTATION CENTRE**  
(DST-FIST SPONSORED)

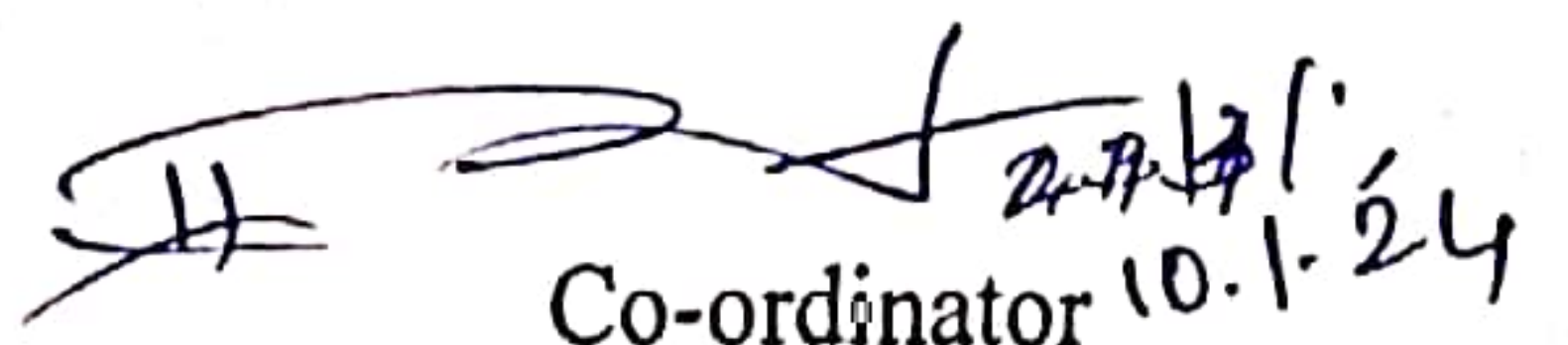
Dear Sir / Madam,

Jamal Instrumentation Centre organizes a one-week certificate programme on spectroscopic and chromatographic techniques. The programme aims to disseminate the knowledge on characterization by UV-Visible Spectroscopy, Infrared Spectroscopy, Raman Spectroscopy, Atomic Absorption Spectroscopy and separation by High Pressure Liquid Chromatography (HPLC) through hands-on training. It will be a platform for understanding the working principle, sample handling, instrument operation and interpretation of results.

In this regard, kindly motivate your PG Students and Research Scholars to participate in the programme mentioned above.

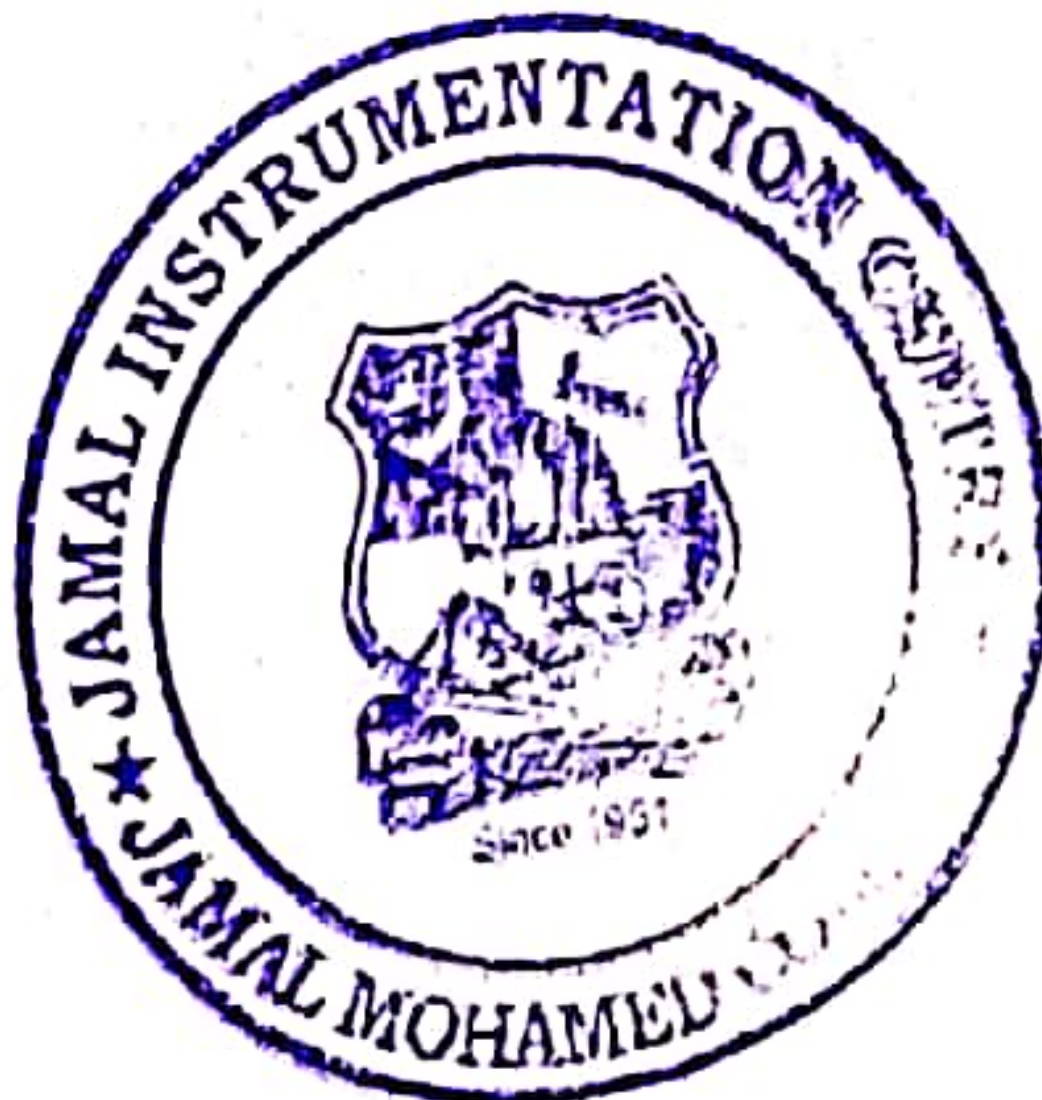
Thanking you,

Tiruchirappalli-20  
10.01.2024

  
Co-ordinator 10.1.24  
**Dr. M. Purushothaman**  
Jamal Instrumentation Centre

Registration Link: <https://forms.gle/mxk7hxC8tnQXa1u17>

QR code for registration.



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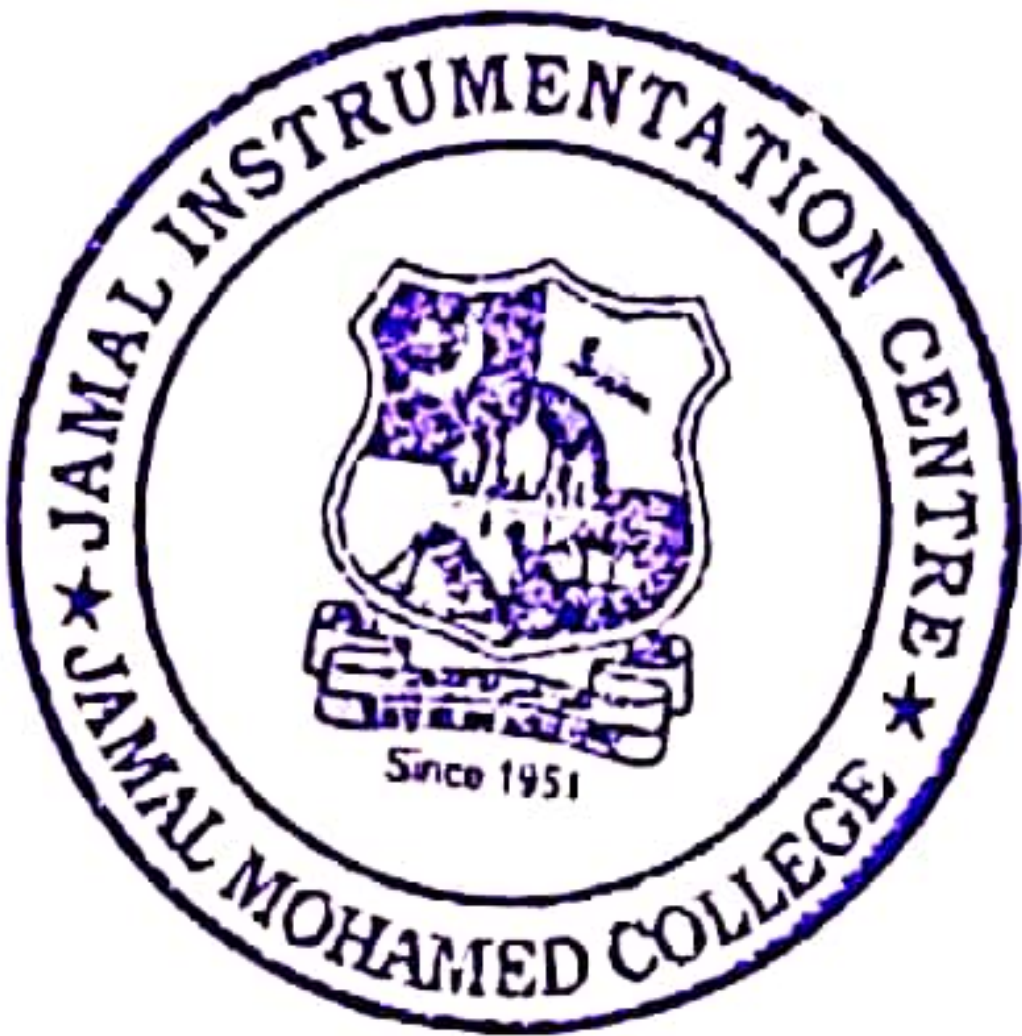
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*(A Hands-on Training)*

**SCHEDULE**

No	Date	UV -Visible	FT-IR	FT Raman	AAS	HPLC
1	09.02.2024	A	B	C	D	E
2	10.02.2024	B	C	D	E	A
3	12.02.2024	C	D	E	A	B
4	13.02.2024	D	E	A	B	C
5	14.02.2024	E	A	B	C	D
6	15.02.2024	SAMPLE RECORDING				



  
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**INAUGURATION**

**AGENDA**

**09.02.2024 @ 2.30 pm**

**Venue: Biotech - Gallery**

Qirath

: **Dr. M. Anwar Sathiq**  
*Associate Professor of Chemistry*

Welcome address

: **Dr. M. Purushothaman**  
*Coordinator, JAMIC*  
*Associate Professor of Chemistry*

Theme of the Workshop

: **Dr. P. Rajasekar**  
*Organising Secretary*

Presidential address

: **Dr. S. Ismail Mohideen**  
*Principal*

Felicitation

: **Dr. A.K. Khaja Nazeemudeen, D.Litt. (USA)**  
*Secretary & Correspondent*

**Hajee M.J. Jamal Mohamed**  
*Treasurer*

**Dr. K. Abdus Samad**  
*Assistant Secretary*

**Dr. K.N. Abdul Kader Nihal**  
*Member & Hon. Director*

**Dr. D.I. George Amalarethinam**  
*Vice – Principal*

**Dr. A. Ishaq Ahamed**  
*Additional Vice- Principal*

**Dr. A.J. Haja Mohideen**  
*Additional Vice- Principal*

**Dr. K.N. Mohamed Fazil**  
*Director – Hostel Administration*

**Ms. J. Hajira Fathima**  
*Director-Women Hostel*

Vote of Thanks

: **Mr. Umar Malik**  
*Assistant Professor of Physics*



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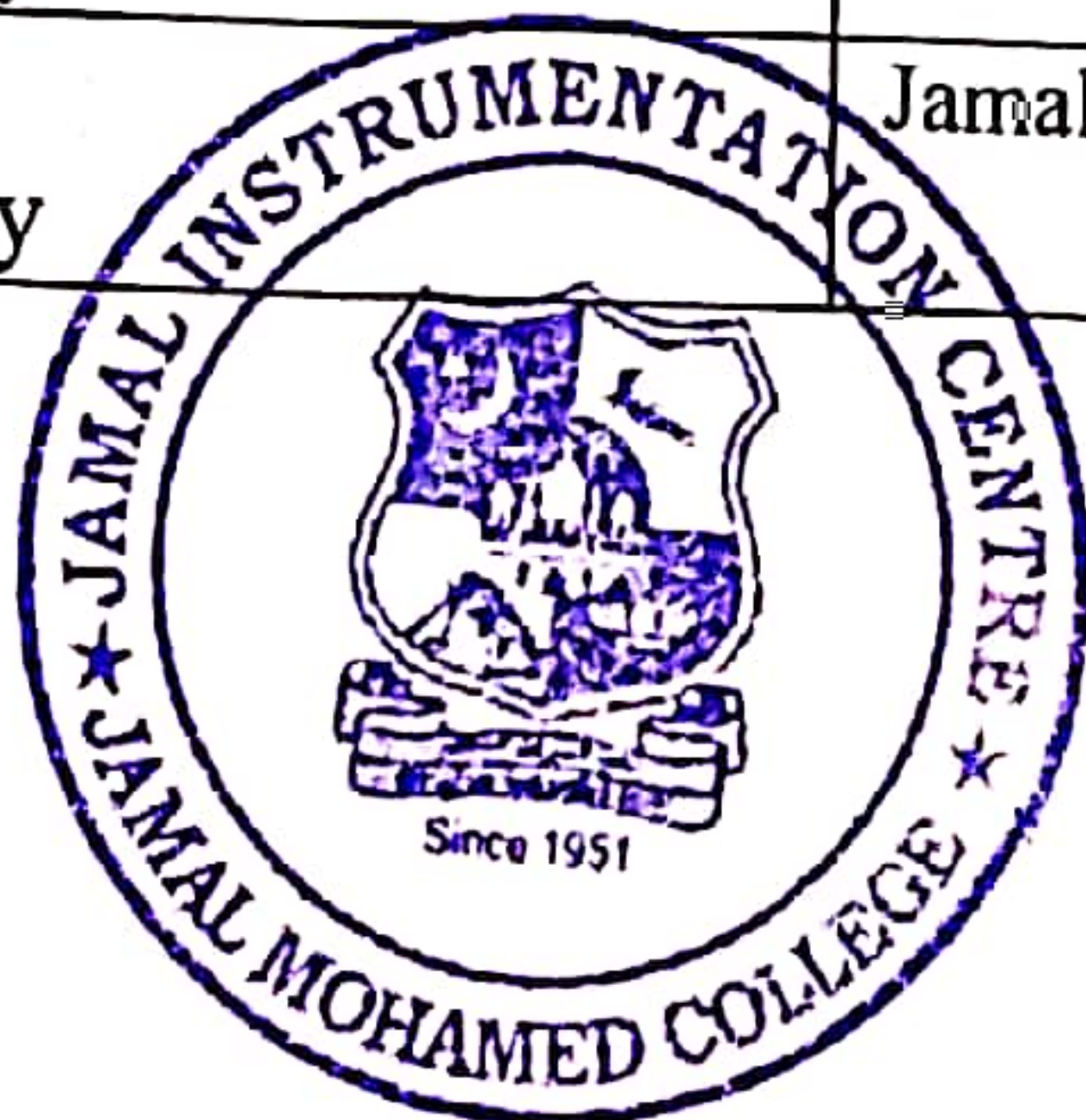
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**Registration form**

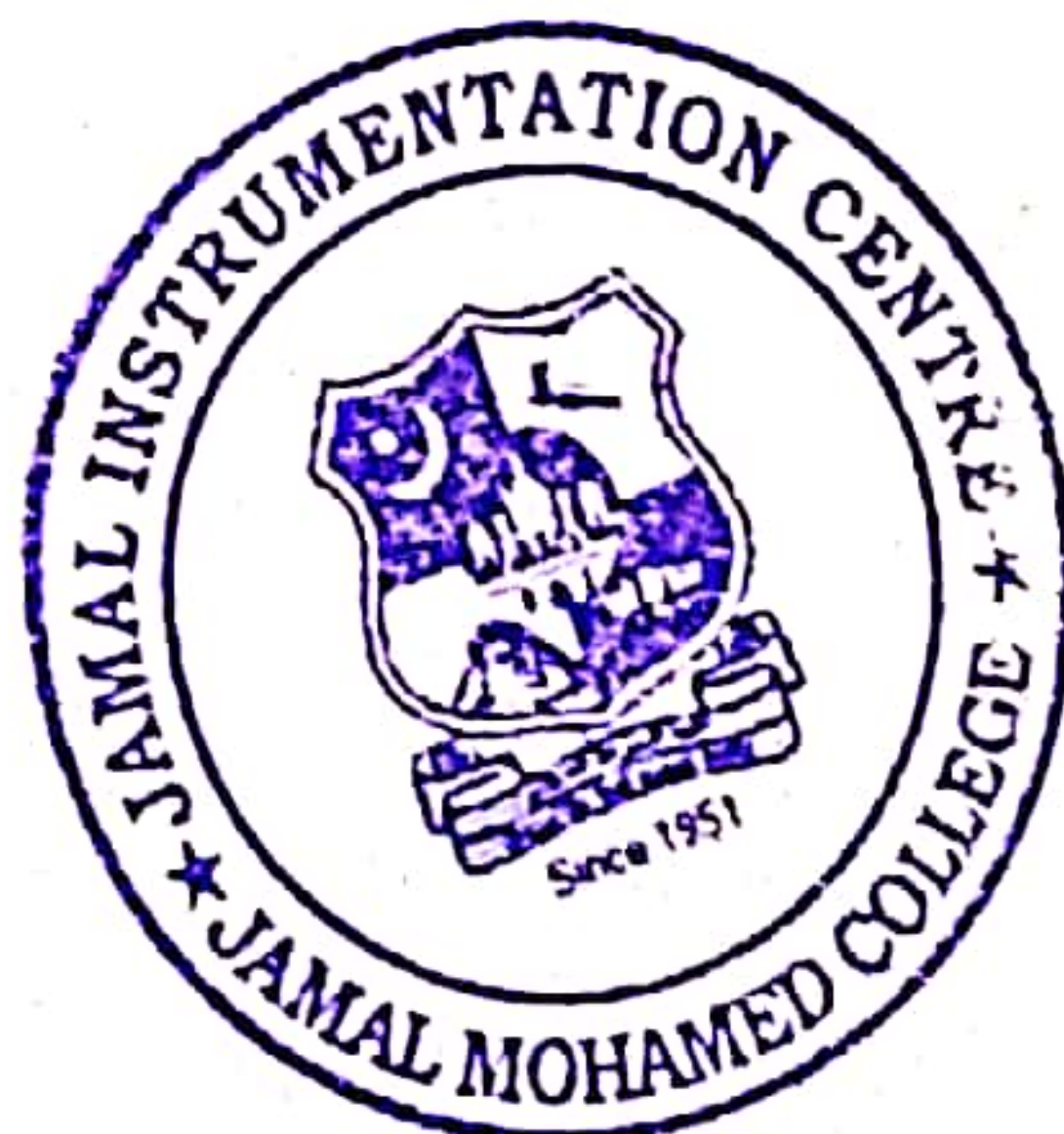
S. No	Name of the Participant and Class	Name of the College	SIGNATURE
01	RAMYA M Phd Research scholar Department of zoology	Arignar Anna Government Arts College Musiri	<i>[Signature]</i> 10/02/2024
02	KALPANA.R M.sc-Chemistry	Vellalar College for Women's	<i>[Signature]</i> 10/2/24
03	R.NABISSA BANU B.Sc biotechnology	Jamal Mohammed College	<i>[Signature]</i>
04	A.ALMAS FATHIMA B.Sc biotechnology	Jamal Mohammed College	<i>[Signature]</i>
05	DHARSINI.M M.sc-Zoology	Nehru Memorial College	<i>[Signature]</i>
06	IMAYA.R M.sc-Zoology	Nehru Memorial College	<i>[Signature]</i>
07	YUVASHREE B M.sc-Chemistry	Jamal Mohammed College	<i>[Signature]</i>
08	POOJAKAVERI S M.sc-Chemistry	Jamal Mohammed College	<i>[Signature]</i>
09	RESHMA THASNEEM A M.sc-Chemistry	Jamal Mohammed College	<i>[Signature]</i> A. Reshma Thasneem.
10	A.THASNEEM M.sc-Chemistry	Jamal Mohammed College	<i>[Signature]</i>
11	AYISHA HASEENA.M M.sc-Chemistry	Jamal Mohammed College	<i>[Signature]</i>
12	PAVITHRA R M.sc-Chemistry	Jamal Mohammed College	<i>[Signature]</i>
13	R.BARANIKA M.sc-Chemistry	Jamal Mohammed College	<i>[Signature]</i>
14	VANISHREE.P Phd Research scholar Department of zoology	A V V M Sri Pushpam College (autonomous), poondi 613503	<i>[Signature]</i>
15	G.VIDHYA SHREE M.sc-Chemistry	Holycross College Trichy	<i>[Signature]</i>
16	PARKAVI.P M.sc-Chemistry	Holycross College Trichy	<i>[Signature]</i>
17	P.SARANYA M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>



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18	<b>THIRIPURA SALINI S</b> Assistant Professor of chemistry	Kings College of Engineering, Punalkulam, Pudukkottai- 613303	<i>[Signature]</i>
19	<b>REVATHI.M</b> Assistant Professor of physics	Excel Engineering College(Autonomous),Namakkal Assistant Professor of Physics	<i>[Signature]</i>
20	<b>MARAGATHAMANI S</b> Assistant Professor of chemistry	Excel Engineering College(Autonomous),Namakkal	<i>[Signature]</i>
21	<b>SUGUNA.M</b> B.sc-Chemistry	Arignar Anna Government Arts College Musiri	<i>[Signature]</i>
22	<b>DEVI.S</b> B.sc-Chemistry	Arignar Anna Government Arts College Musiri	<i>[Signature]</i>
23	<b>KIRUTHIKA.R</b> B.sc-Chemistry	Arignar Anna Government Arts College Musiri	<i>[Signature]</i>
24	<b>P MUGIL SANTHANA</b> B.SC Biochemistry	Rajah Serfoji Govt college,Thanjavur.	<i>[Signature]</i>
25	<b>B. KIRUTHIKAA</b> B.SC Biochemistry	Rajah Serfoji Govt college,Thanjavur	<i>[Signature]</i>
26	<b>MERLIN SHARMI.G</b> Assistant Professor of Fashion Technology	Jamal Mohamed College	<i>[Signature]</i>
27	<b>S.SANGEETHA</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>
28	<b>K.APROSE JAMEELA</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>
29	<b>K.A.HALLIMA</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>
30	<b>E.K.JAYASREE</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>
31	<b>M.ANIZ RISWANA</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>
32	<b>I.AFRITHA HALA</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>
33	<b>S.SUSMITHA</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>
34	<b>R.ISHAMONIKA</b> M.sc-Chemistry	Jamal Mohamed College	<i>[Signature]</i>



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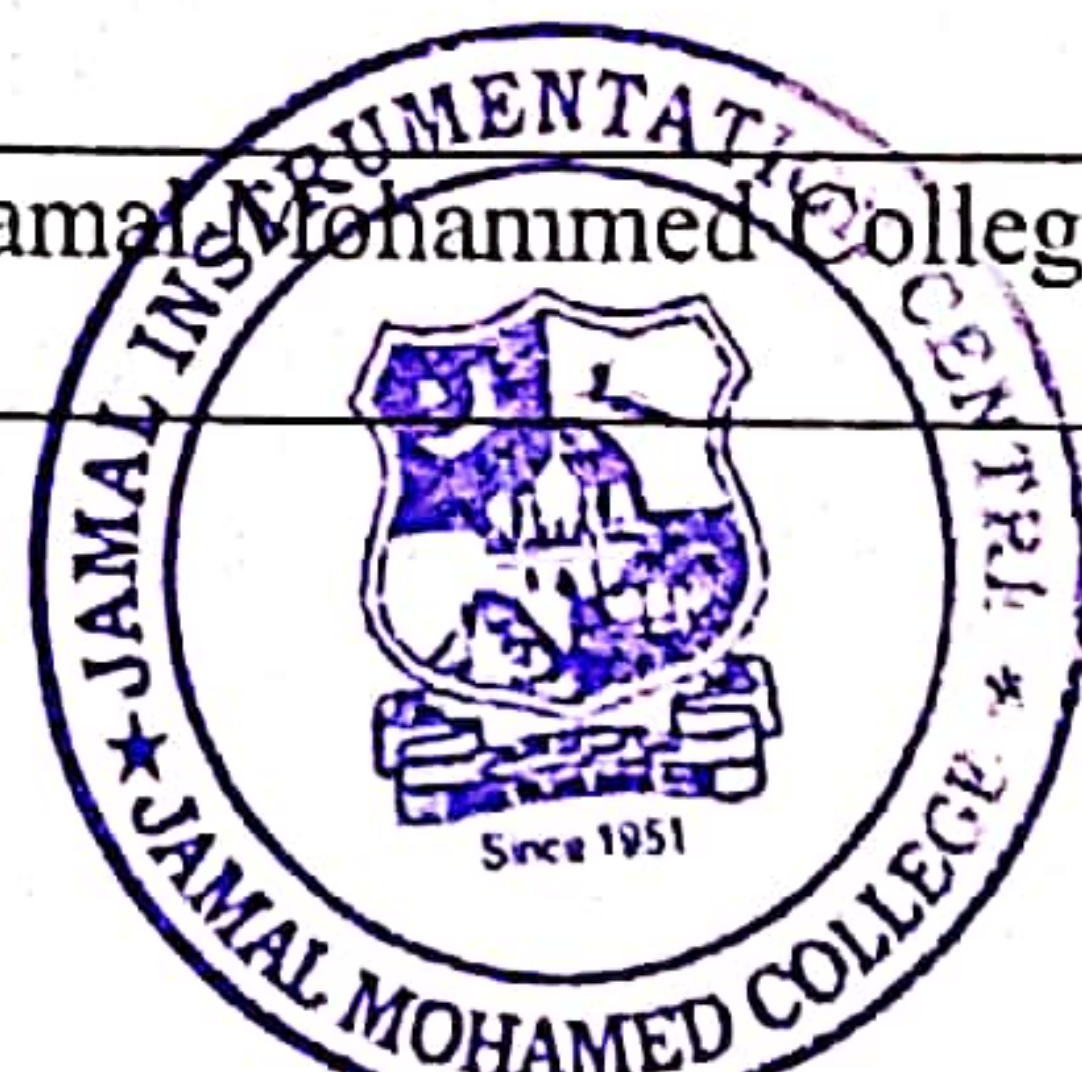
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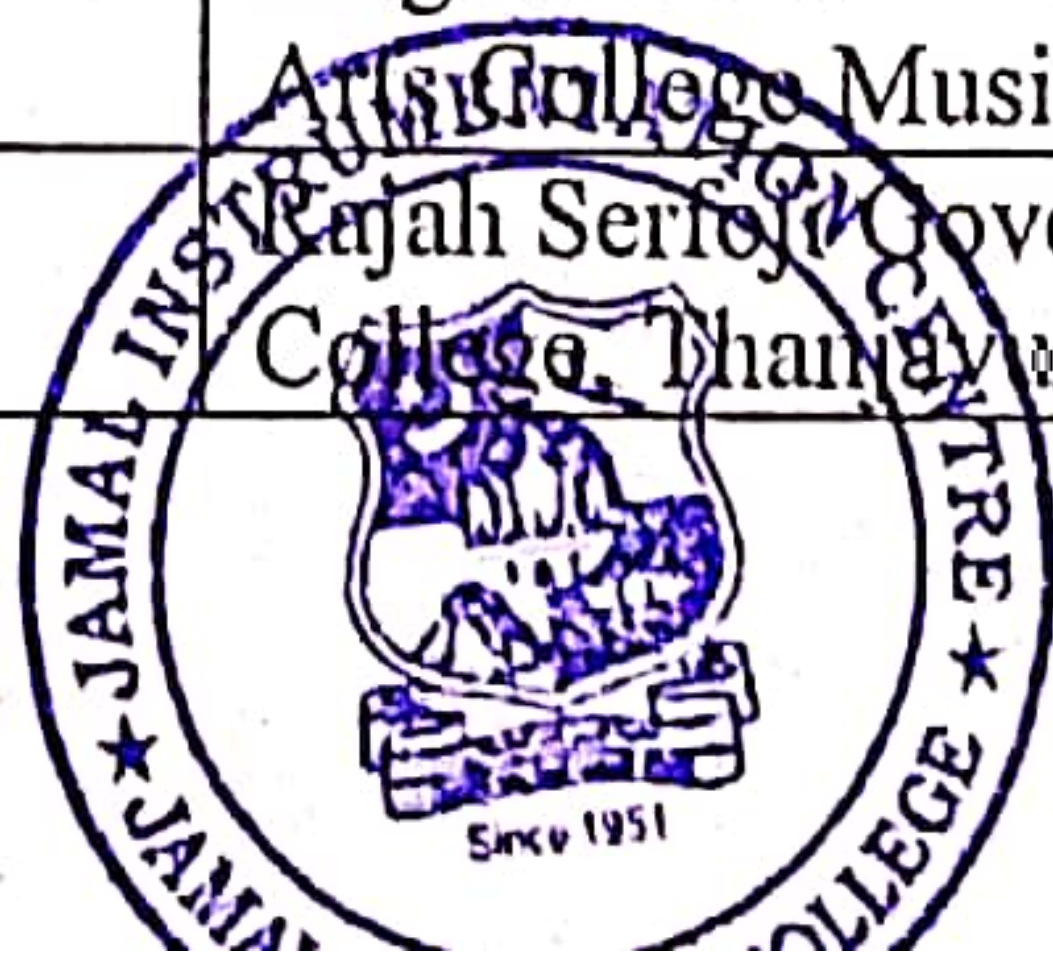
S. No	Name of the Participant and Class	Name of the College	SIGNATURE
01	THOUFEEQ RAJA J M.Sc-Chemistry	Jamal Mohammed College	
02	THIRUKUMARAN B M.SC-CHEMISTRY	Jamal Mohammed College	
03	RIYAS THEEN K Phd Research scholar Department of Botany	Jamal Mohammed College	
04	KARAN S Phd Research scholar Department of zoology	C Abdul Hakeem College Autonomous Melvisharam RANIPET 632509	
05	M.KHALEELUR RAHMAN Assistant professor Department of zoology	C Abdul Hakeem College Autonomous Melvisharam RANIPET 632509	
06	RIYAS AHAMED H M.sc-Chemistry	Jamal Mohammed College	
07	PRADEEPRAJ S M.sc-Chemistry	Jamal Mohammed College	
08	ABDUL KALAM ASATH M M.sc-chemistry	Jamal Mohammed College	
09	SEDUBALA P M.sc-chemistry	Jamal Mohammed College	
10	ABDUL BASHEETH PS M.sc-chemistry	Jamal Mohammed College	
11	THARIK ANWAR M M.sc-chemistry	Jamal Mohammed College	
12	ARAVIND K M.sc-Chemistry	Jamal Mohammed College	
13	BAJEEL BASHEER B.sc-Chemistry	Jamal Mohammed College	
14	A. ABDUL RAHMAN M.sc-chemistry	Jamal Mohammed College	
15	DANIEL JEBARAJ P Phd research scholar Department of chemistry	Jamal Mohammed College	
16	YUVARAJ K M.sc-Zoology	Jamal Mohammed College	



**COORDINATOR**  
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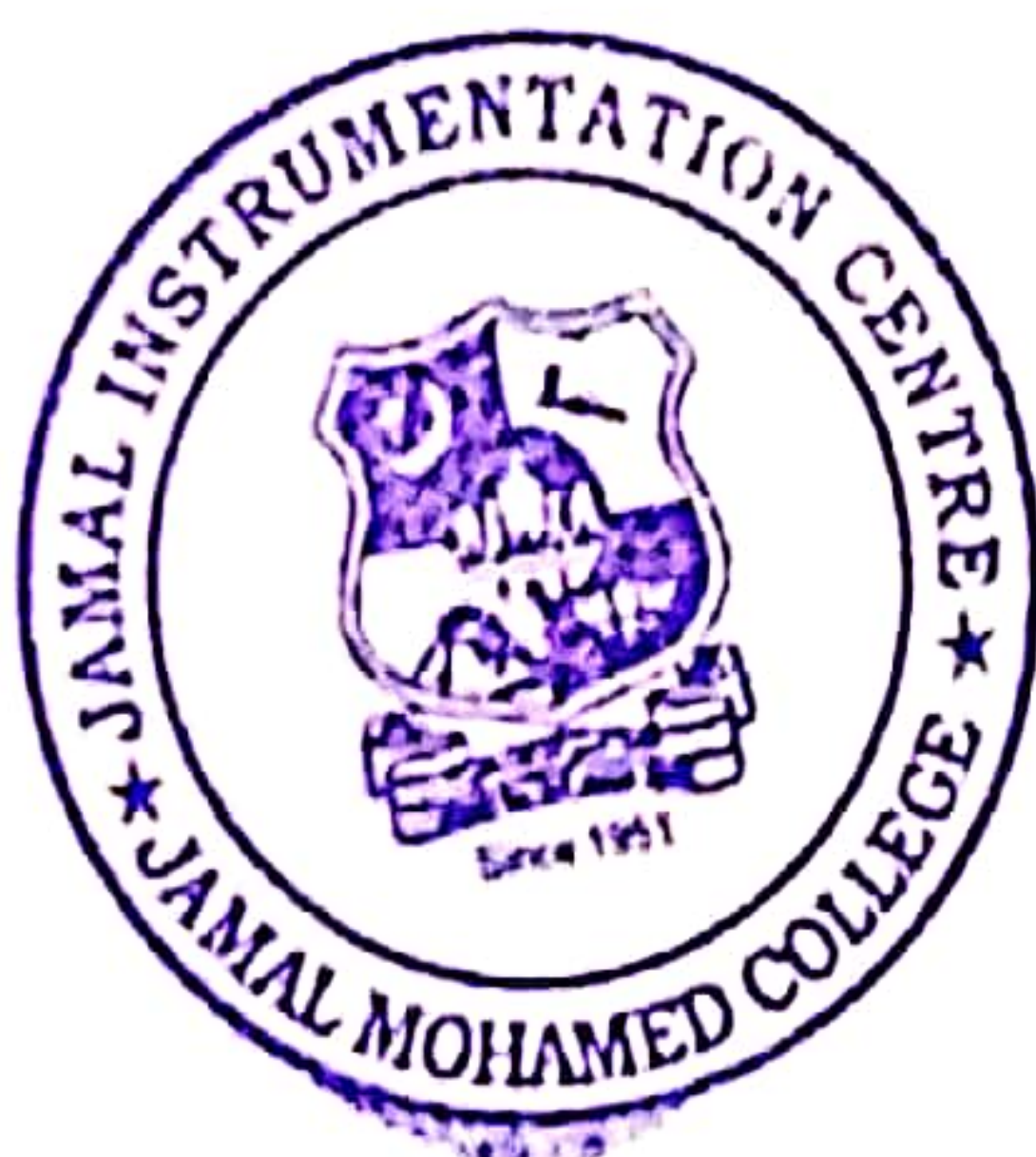
17	MOHAMED ALRASHID M.sc-zoology	Jamal Mohammed College	K. Alrashid
18	FATHIHUDDEEN S M.sc-zoology	Jamal Mohammed College	S. Fathihuddeen
19	B. SHANMUGAVEL B.sc biotechnology	JJ. Collage of Arts & Science Pudukkottai	B. Shanmugavel
20	P. BALASUBRAMANIAN B.sc biotechnology	JJ. Collage of Arts & Science Pudukkottai	P. Balasubramanian
21	MOHAMED RIZVAN B.Sc biotechnology	JJ. Collage of Arts & Science Pudukkottai	M. Mohamed Rizvan
22	S.SRIHARI NARAYANAN B.sc biotechnology	JJ. Collage of Arts & Science Pudukkottai	S. Srihari Narayanan
23	HARISH.K B.sc biotechnology	JJ. Collage of Arts & Science Pudukkottai	K. Harish
24	SANTHOSH.T M.sc-zoology	Nehru Memorial College	T. Santhosh
25	VELARASAN S M.sc biochemistry	Maruthupandiyar college, Thanjavur	S. Velarasan
26	MAHESH.M B.sc biotechnology	Government arts and science college kurumbalur Perambalur district	M. Mahesh
27	M.ANNATHURAI Phd research scholar Department of zoology	A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur, 613503	M. Annathurai
28	M. ABDULLA M.sc-chemistry	Jamal Mohammed College	M. Abdulla
29	SUBRAMANIYAN G M.sc-Chemistry	Arignar Anna Government Arts College Musiri	G. Subramanian
30	VINOTH S M.sc-chemistry	Arignar Anna Government Arts College Musiri	S. Vinoth
31	PRATHEEP R M.sc-chemistry	Arignar Anna Government Arts College Musiri	R. Pratheep
32	VISHVESHWARAN A M.sc-chemistry	Arignar Anna Government Arts College Musiri	A. Vishveshwaran
33	LIVENTHIRAN K M.sc-chemistry	Arignar Anna Government Arts College Musiri	K. Liventhiran
34	PRABHAKARAN N M.sc-chemistry	Arignar Anna Government Arts College Musiri	N. Prabhakaran
35	KUMARESAN N M.sc-chemistry	Arignar Anna Government Arts College Musiri	N. Kumaresan
36	SRIRAM C M.sc-chemistry	Arignar Anna Government Arts College Musiri	C. Sriram
37	SURENDHAR A M.sc-chemistry	Arignar Anna Government Arts College Musiri	A. Surendhar
38	RAMESH S M.sc-chemistry	Arignar Anna Government Arts College Musiri	S. Ramesh
39	S. DINESH B.sc-chemistry	Arignar Anna Government Arts College Musiri	S. Dinesh
40	DEEPANRAJ P B.sc-chemistry	Arignar Anna Government Arts College Musiri	P. Deepanraj
41	BHARANIDHARAN P B.sc-biochemistry	Rajah Serfoj Government College, Thanjavur-613005	P. Bharanidharan



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Pudukkottai - 605 002



42	<b>GUNAL V</b> B.sc-biochemistry	Rajah Serfoji Government College, Thanjavur-613005	V. Gunal...
43	<b>RAJARAJAN N</b> B.sc-biochemistry	Rajah Serfoji Government College, Thanjavur-613005	R. Rajarajan
44	<b>HARIHARAN M</b> B.sc-biochemistry	Rajah Serfoji Government College, Thanjavur-613005	M. Hariharan
45	<b>N. GANESH</b> Phd Research scholar Department of Botany	A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur, 613503	N. Ganesh
46	<b>M.NAWAZ SAHUL HAMEED</b> Phd Research scholar Department of Chemistry	Jamal Mohammed College	M. N. Sahul Hameed



*[Signature]*  
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# JAMAL INSTRUMENTATION CENTRE (JAMIC)

## JAMAL MOHAMED COLLEGE (Autonomous)

Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle with CGPA 3.69 out of 4.0)

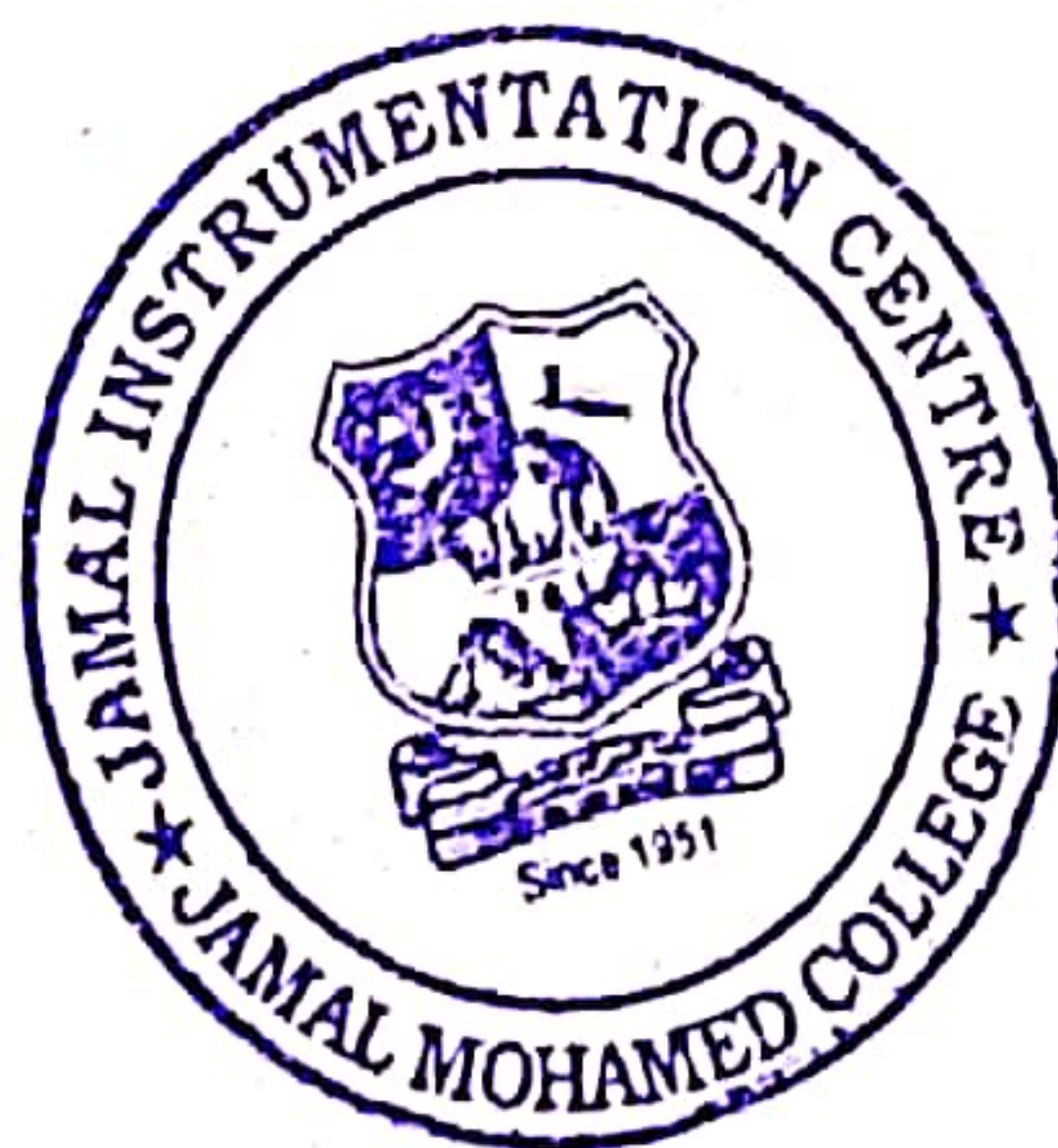
(Affiliated to Bharathidasan University)

Tiruchirappalli - 620 020

### A One-week Certificate Programme on SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES (A Hands-on Training)

#### GROUP - A

Name of the Participant	Name of the Institution	Signature					
		9.2.24	10.2.24	12.2.24	13.2.24	14.2.24	15.2.24
THOUFEEQ RAJA J M.Sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
KARAN S Phd Research scholar Department of zoology	C Abdul Hakeem College Autonomous						
M.KHALEELUR RAHMAN Assistant professor Department of zoology	C Abdul Hakeem College Autonomous						
PRADEEPRAJ S M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
BAJEEL BASASHEER B.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
YUVARAJ K M.sc-Zoology	Jamal Mohamed College, Tiruchirappalli						
B. SHANMUGAVEL B.sc biotechnology	JJ. Collage of Arts & Science Pudukkottai						
S.SRIHARI NARAYANAN B.sc biotechnology	JJ. Collage of Arts & Science Pudukkottai						
VELARASAN S M.sc biochemistry	Maruthupandiyar college, Thanjavur						
M. ABDULLA M.sc-chemistry	Jamal Mohamed College, Tiruchirappalli						
PRATHEEP R M.sc-chemistry	Arignar Anna Government Arts College Musiri						
PRABHAKARAN N M.sc-chemistry	Arignar Anna Government Arts College Musiri						
SURENDHAR A M.sc-chemistry	Arignar Anna Government Arts College Musiri						
DEEPANRAJ P B.sc-chemistry	Arignar Anna Government Arts College Musiri						
RAJARAJAN N B.sc-biochemistry	Rajah Serfoji Government College, Thanjavur-613005						



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Tiruchirappalli - 620 020





**JAMAL INSTRUMENTATION CENTRE (JAMIC)**  
**JAMAL MOHAMED COLLEGE (Autonomous)**

Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle with CGPA 3.69 out of 4.0)

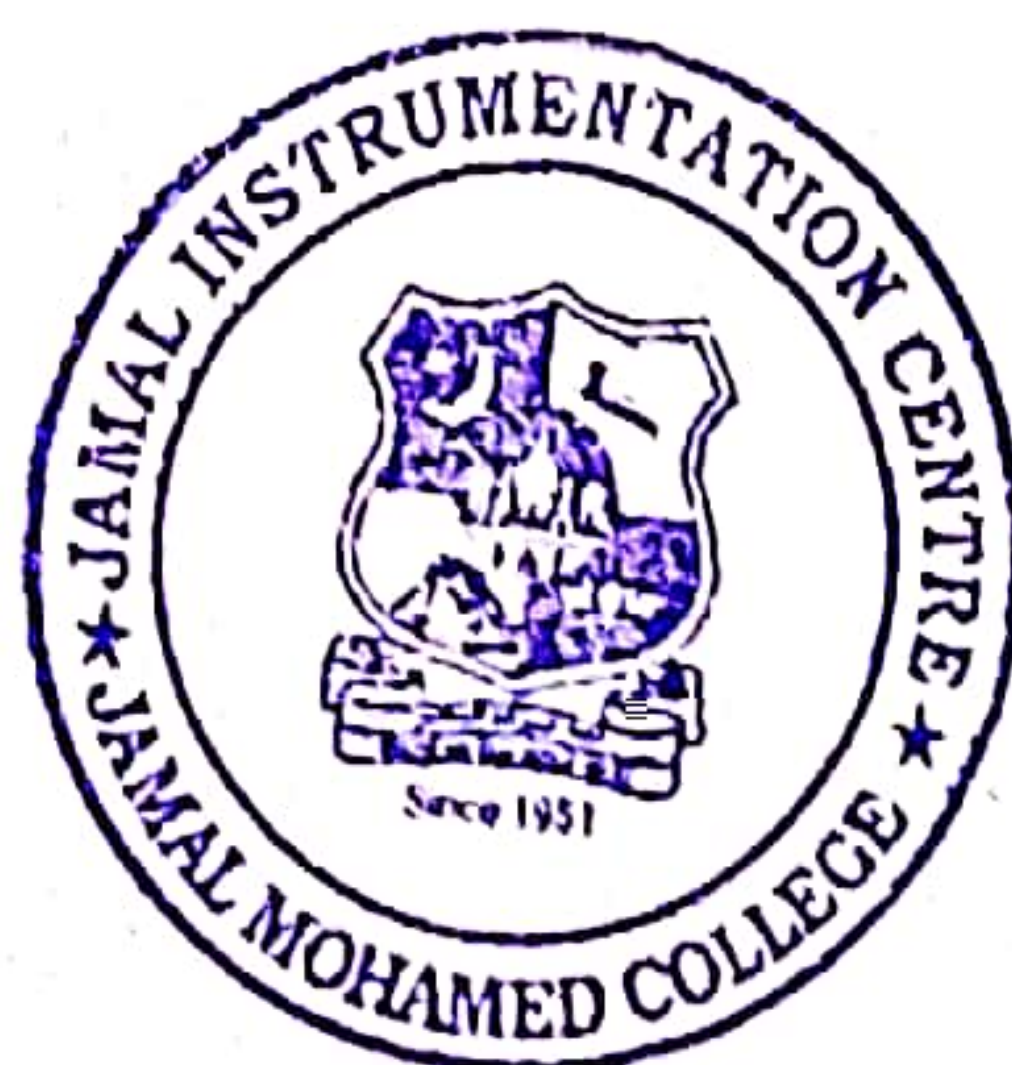
(Affiliated to Bharathidasan University)


Tiruchirappalli - 620 020

*A One-week Certificate Programme on*  
**SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES**  
*(A Hands-on Training)*

**GROUP - C**

Name of the Participant	Name of the Institution	Signature					
		9.2.24	10.2.24	12.2.24	13.2.24	14.2.24	15.2.24
RIYAS AHAMED H M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
DANIEL JEBARAJ P Phd research scholar Department of chemistry	Jamal Mohamed College, Tiruchirappalli						
FATHHUDEEN S M.sc-zoology	Jamal Mohamed College, Tiruchirappalli						
MOHAMED RIZVAN B.Sc biotechnology	JJ. Collage of Arts & Science Pudukkottai						
M.ANNATHURAI Phd research scholar Department of zoology	A.V.V.M Sri Pushpam College, Thanjavur						
SUBRAMANIYAN G M.sc-Chemistry	Arignar Anna Government Arts College, Musiri						
VISHVESHWARAN A M.sc-chemistry	Arignar Anna Government Arts College, Musiri						
LIVENTHIRAN K M.sc-chemistry	Arignar Anna Government Arts College, Musiri						
KUMARESAN N M.sc-chemistry	Arignar Anna Government Arts College, Musiri						
SRIRAM C M.sc-chemistry	Arignar Anna Government Arts College, Musiri						
RAMESH S M.sc-chemistry	Arignar Anna Government Arts College, Musiri						
BHARANIDHARAN P B.sc-biochemistry	Rajah Serfoji Government College, Thanjavur						
N. GANESH Phd Research scholar Department of Botany	A A.V.V.M Sri Pushpam College, Thanjavur						
ARAVIND K M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
M.NAWAZ SAHUL HAMEED Phd Research scholar Department of Chemistry	Jamal Mohamed College, Tiruchirappalli						



  
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# JAMAL INSTRUMENTATION CENTRE (JAMIC)

## JAMAL MOHAMED COLLEGE (Autonomous)

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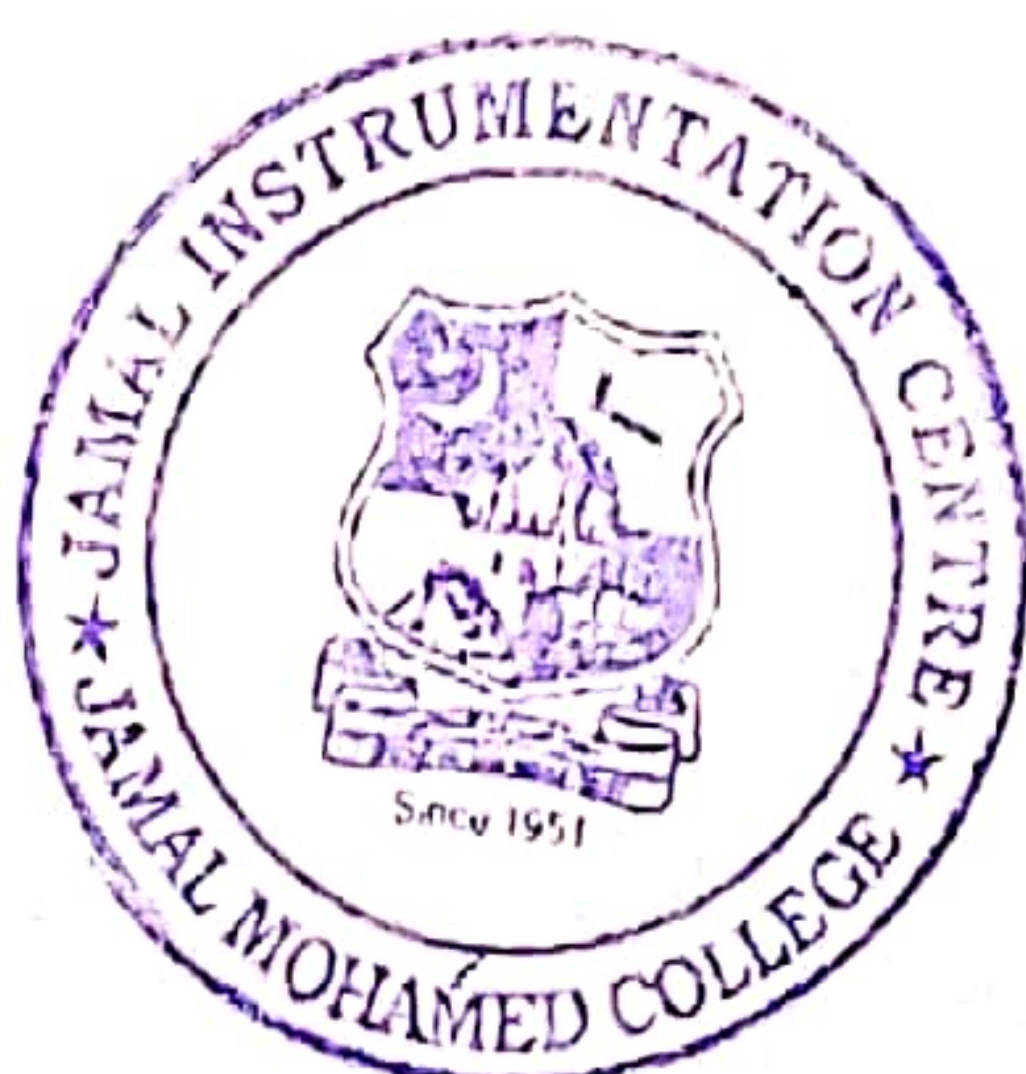
(Affiliated to Bharathidasan University)

Tiruchirappalli - 620 020

### A One-week Certificate Programme on SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES (A Hands-on Training)

#### GROUP -D

Name of the Participant	Name of the Institution	Signature					
		9.2.24	10.2.24	12.2.24	13.2.24	14.2.24	15.2.24
RAMYA M Phd Research scholar Department of zoology	Arignar Anna Government Arts College, Musiri						
KALPANA.R M.sc-Chemistry	Vellalar College for Women's, Erode						
AYISHA HASEENA.M M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
PAVITHIRA R M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
SUGUNA.M B.sc-Chemistry	Arignar Anna Government Arts College, Musiri						
DEVI.S B.sc-Chemistry	Arignar Anna Government Arts College, Musiri						
KIRUTHIKA.R B.sc-Chemistry	Arignar Anna Government Arts College, Musiri						
P MUGIL SANTHANA B.SC Biochemistry	Rajah Serfoji Govt college, Thanjavur.						
B. KIRUTHIKAA B.SC Biochemistry	Rajah Serfoji Govt college, Thanjavur						
YUVASHREE B M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
POOJAKAVERI S M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
RESHMA THASNEEM A M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
M.ANIZ RISWANA M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
I.AFRITHA HALA M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
R.BARANIKA M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
S.SUSMITHA M.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
IMAYA.R M.sc-Zoology	Nehru Memorial College, Puthanampalli						



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# JAMAL INSTRUMENTATION CENTRE (JAMIC)

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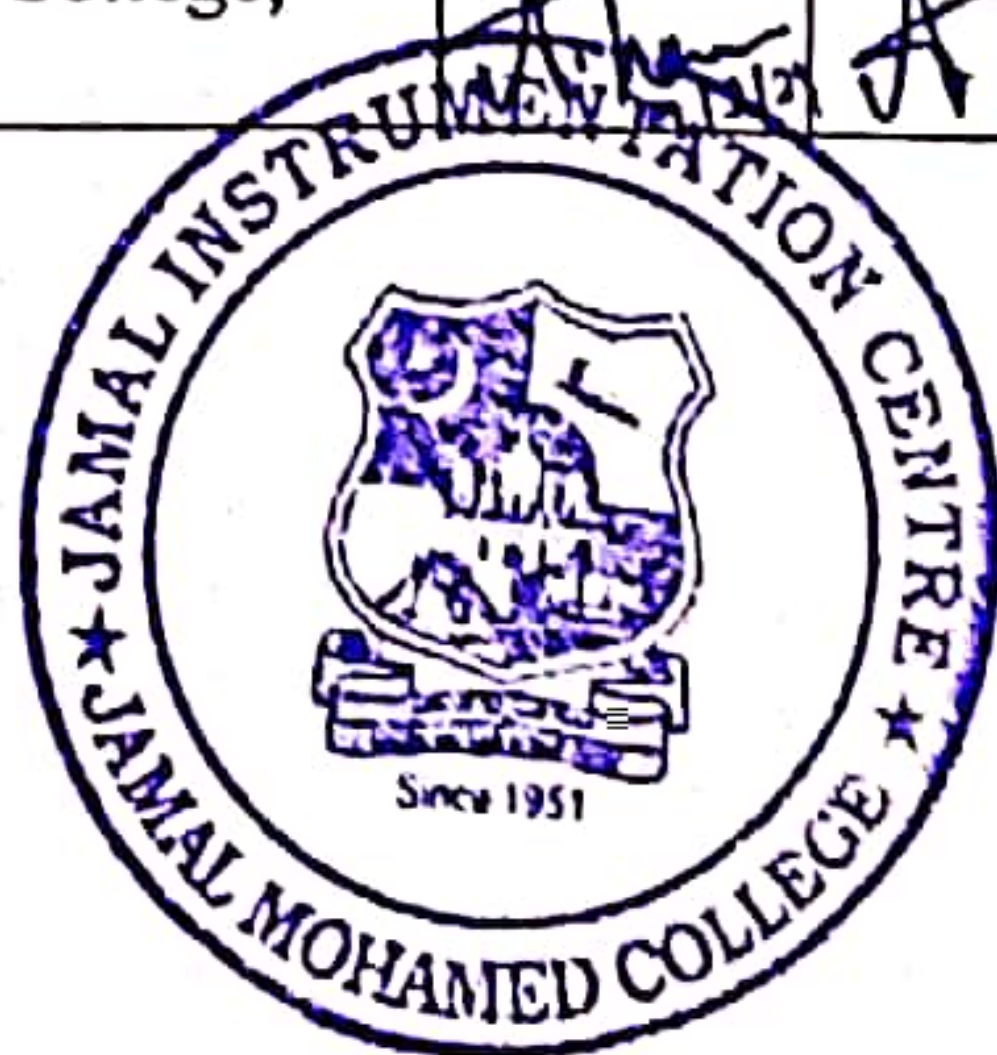
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Tiruchirappalli - 620 020

### A One-week Certificate Programme on SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES (A Hands-on Training)

#### GROUP -E

Name of the Participant	Name of the Institution	Signature					
		9.2.24	10.2.24	12.2.24	13.2.24	14.2.24	15.2.24
S. MERLIN SHARMI Assistant Professor of Fashion Technology	Jamal Mohamed College, Tiruchirappalli						
HIRIPURA SALINI S Assistant Professor of chemistry	Kings College of Engineering, Pudukkottai						
DEVATHILM Assistant Professor of physics	Excel Engineering College, Namakkal						
MARAGATHAMANI S Assistant Professor of chemistry	Excel Engineering College, Namakkal						
ANISHREE.P Lead Research scholar Department of zoology	A V V M Sri Pushpam College, poondi						
VIDHYA SHREE I.sc-Chemistry	Holycross College, Trichy						
ARKAVI.P I.sc-Chemistry	Holycross College, Trichy						
NABISSA BANU Sc biotechnology	Jamal Mohamed College, Tiruchirappalli						
ALMAS FATHIMA Sc biotechnology	Jamal Mohamed College, Tiruchirappalli						
HARSINI.M I.sc-Zoology	Nehru Memorial College, Puthanampatti						
SANGEETHA I.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
APROSE JAMEELA I.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
A.HALLIMA I.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
K. JAYASREE I.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
ISHAMONIKA I.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
SARANYA I.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						
THASNEEM I.sc-Chemistry	Jamal Mohamed College, Tiruchirappalli						



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**JAMAL INSTRUMENTATION CENTRE (JAMIC)**  
**JAMAL MOHAMED COLLEGE (Autonomous)**

Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle with CGPA 3.69 out of 4.0)

(Affiliated to Bharathidasan University)

Tiruchirappalli - 620 020

**A One-week Certificate Programme on**  
**SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES**  
(A Hands-on Training)

**VALEDICTION**

**AGENDA**

**15.02.2024 @ 5.30 pm**

**Qirath**

**Venue: Zoology seminar hall**

**: Dr. A. Asrar Ahamed**

*Assistant Professor of Chemistry*

**Welcome address**

**: Dr. M. Purushothaman**

*Coordinator, JAMIC*

*Associate Professor of Chemistry*

**Report of the Workshop**

**: Dr. P. Rajasekar**

*Organising Secretary*

**FeedBack from participants**

**Presidential address**

**: Dr. S. Ismail Mohideen**

*Principal*

**Felicitation**

**: Dr. A.K. Khaja Nazeemudeen, D.Litt. (USA)**  
*Secretary & Correspondent*

**Hajee M.J. Jamal Mohamed**  
*Treasurer*

**Dr. K. Abdus Samad**  
*Assistant Secretary*

**Dr. K.N. Abdul Kader Nihal**  
*Member & Hon. Director*

**Dr. D.I. George Amalarethinam**  
*Vice - Principal*

**Dr. A. Ishaq Ahamed**  
*Additional Vice- Principal*

**Dr. A.J. Haja Mohideen**  
*Additional Vice- Principal*

**Dr. K.N. Mohamed Fazil**  
*Director - Hostel Administration*

**Ms. J. Hajira Fathima**  
*Director Women Hostel*

**Certificates Distribution**

**Vote of Thanks**

**: Dr. N. Ahamed Sherif**  
*Assistant Professor of Botany*



*[Signature]*

**COORDINATOR**

**JAMAL INSTRUMENTATION CENTRE**  
**JAMAL MOHAMED COLLEGE (Autonomous)**  
**Tiruchirappalli - 620 020**



**STUDENT COPY**  
**INDIAN OVERSEAS BANK**  
 (Jamal Mohamed College Branch)  
 Paid into the Credit of the account of Jamal Mohamed College  
 Tiruchirappalli - 620 020.

**CD - 046702000000009**

No. : 070 Date : 26.03.24  
 Name : P. R. R. JASEGAR

JAMC Jamal Mohamed College

Particulars	Rs.	Ps.
One week Certificate Programme on Spectroscopic and Chromatographic Techniques.	17 006	00
	17 006	00

(Rupees Seventeen thousand six only...)

Depositor's  
Signature

Cashier

Manager



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 Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0  
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 Tiruchirappalli - 620 020

*A One-week Certificate Programme on*  
**SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES**  
*(A Hands-on Training)*  
 09-02-2024 to 15-02-2024

**STATEMENT OF EXPENDITURE**

S.No.	Credit		Debit	
	Particulars	Amount ₹	Particulars	Amount ₹
01	80 Participants @ ₹1000/-	80,000/-	Printing Invitation	760
02			Postage	444
03			Kit (File, Pen, Scribbling Pad)	5130
04			Honorarium for Resource Persons (50 sessions @ ₹650/-)	32500
05			Honorarium for Coordinator	2000
06			Honorarium for Dy. Coordinator	2000
07			Honorarium for Technical Assistant	1000
08			Refreshment	10800
09			Report Preparation	1000
10			Certificates	2150
11			Stationary	600
12			Flex	2000
13			Photographs	1000
14			Flask, tray, tea cup	1610
	<b>Total</b>	<b>80,000/-</b>	<b>Total</b>	<b>62994</b>
	<b>Balance Rupees: 17,006/- (Seventeen thousand six only.)</b>			

Organizing Secretary



Coordinator

**COORDINATOR**  
 JAMAL INSTRUMENTATION CENTRE  
 JAMAL MOHAMED COLLEGE (Autonomous)  
 Tiruchirappalli - 620 020

Principal





# JAMAL INSTRUMENTATION CENTRE (JAMIC)

## JAMAL MOHAMED COLLEGE (Autonomous)

Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0

(Affiliated to Bharathidasan University)


Tiruchirappalli - 620 020

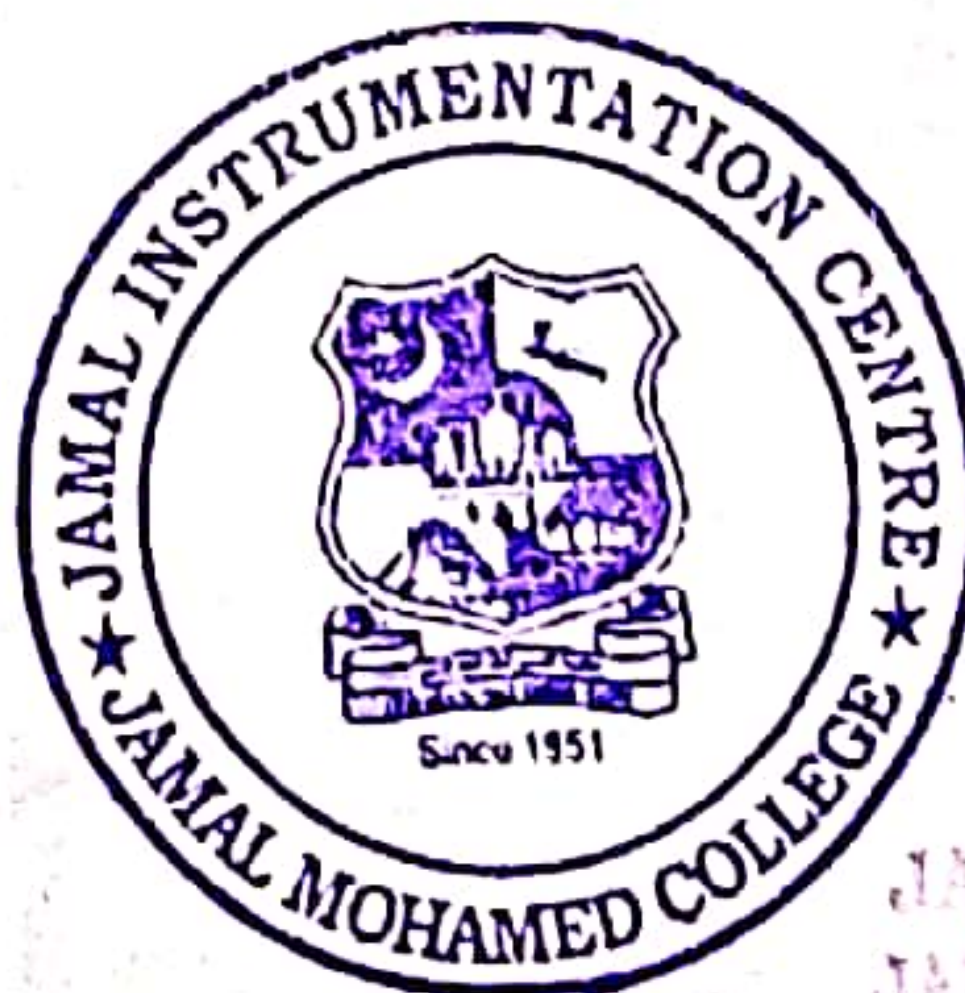
Amount paid by the participants to one-week certificate programme on spectroscopic and chromatographic techniques (09.02.2024 to 15.02.2024)

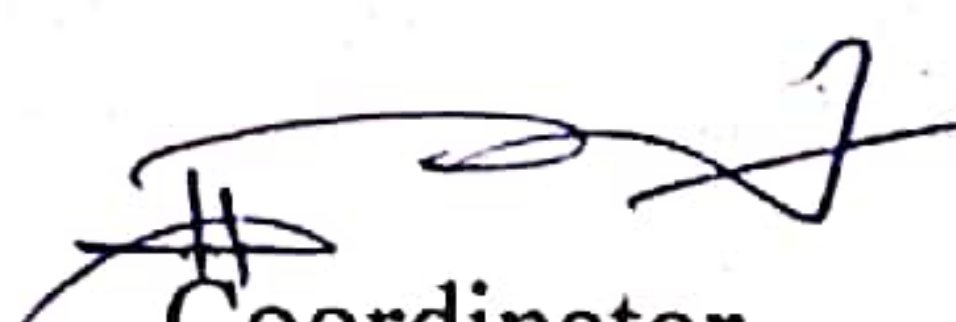
S.No.	Name of the Participant	Receipt Number	Date	Amount
1	RAMYA M	402217911276	22.1.24	1000
2	THOUFEEQ RAJA J	402324587793	23.1.24	1000
3	THIRUKUMARAN B	438927569923	23.1.24	1000
4	RIYAS THEEN K	402503441614	25.1.24	1000
5	KARAN S	402778918455	27.1.24	1000
6	RIYAS AHAMED H	439546601783	29.1.24	1000
7	PRADEEPRAJ S	403075217801	30.1.24	1000
8	ARAVIND K	403079866878	30.1.24	1000
9	KALPANA.R	439722101999	31.1.24	1000
10	R.NABISSA BANU	ATM ID:IOBC3210	31.1.24	1000
11	BAJEEL BASHEER	403285776922	1.2.24	1000
12	YUVARAJ K	439897349268	1.2.24	1000
13	B.SHANMUGAVEL	403312433377	2.2.24	1000
14	M.KHALEELUR RAHMAN	T2402021147302479196577	2.2.24	1000
15	DHARSINI.M	T2402031632237214067970	3.2.24	1000
16	IMAYA.R	T2402031942230966556060	3.2.24	1000
17	SANTHOSH.T	T2402031959193609207012	3.2.24	1000
18	MOHAMED ALRASHID	440106280352	4.2.24	1000
19	P.BALASUBRAMANIAN	403515207194	4.2.24	1000
20	VELARASAN S	403581055325	4.2.24	1000
21	MOHAMED RIZVAN	440112428596	4.2.24	1000
22	S.SRIHARI NARAYANAN	403527695572	4.2.24	1000
23	HARISH.K	403530395969	4.2.24	1000
24	MAHESH.M	403527398585	4.2.24	1000
25	YUVASHREE B	403521272340	4.2.24	1000
26	A.ALMAS FATHIMA	440255524118	5.2.24	1000
27	M.ANNATHURAI	403610536690	5.2.24	1000
28	POOJAKAVERI S	403612907018	5.2.24	1000
29	VANISHREE.P	403640613424	5.2.24	1000
30	FATHHUDDIEN S	402051154098509302528	5.2.24	1000
31	A. ABDUL RAHMAN	440226333120	5.2.24	1000
32	M. ABDULLA	440240337829	5.2.24	1000
33	SUBRAMANIAN G	440232831394	5.2.24	1000
34	VINOTH S	403697741937	5.2.24	1000
35	PRATHEEP R	440200034555	5.2.24	1000
36	VISHVESHVARAN A	440208839317	5.2.24	1000
37	DANIEL JEBARAJ P	403648643678	5.2.24	1000
38	LIVENTHIRAN K	440292144781	5.2.24	1000
39	PRABHAKARAN N	403663039708	5.2.24	1000
40	KUMARESAN N	440261536245	5.2.24	1000



S.No.	Name of the Participant	Receipt Number	Date	Amount
41	SRIRAM C	440280839513	5.2.24	1000
42	SURENDHAR A	403682045663	5.2.24	1000
43	G.VIDHYA SHREE	440291323564	5.2.24	1000
44	RAMESH S	440294438193	5.2.24	1000
45	THIRIPURA SALINI S	403444866798	5.2.24	1000
46	ABDUL KALAM ASATH M	T2402051539518058131694	5.2.24	1000
47	REVATHI.M	440204829112	5.2.24	1000
48	MARAGATHAMANI S	440285427863	5.2.24	1000
49	SEDUBALA P	403631050894	5.2.24	1000
50	ABDUL BASHEETH PS	403605147969	5.2.24	1000
51	SUGUNA.M	403637423192	5.2.24	1000
52	THARIK ANWAR M	403681548861	5.2.24	1000
53	DEEPANRAJ P	403638521676	5.2.24	1000
54	KIRUTHIKA.R	440244661912	5.2.24	1000
55	RESHMA THASNEEM A	403506307235	5.2.24	1000
56	ISHAMONIKA R	403612932835	5.2.24	1000
57	BHARANIDHARAN P	440276645574	5.2.24	1000
58	DEVI.S	440268756507	5.2.24	1000
59	GUNAL V	403644056513	5.2.24	1000
60	A.THASNEEM	403619776779	5.2.24	1000
61	RAJARAJAN N	403641327435	5.2.24	1000
62	PARKAVI.P	440249219241	5.2.24	1000
63	AYISHA HASEENA.M	403683543809	5.2.24	1000
64	PAVITHRA R	440221457965	5.2.24	1000
65	HARIHARAN M	403629461376	5.2.24	1000
66	R.BARANIKA	403634366125	5.2.24	1000
67	S. DINESH	403628663501	5.2.24	1000
68	P MUGIL SANTHANA	403750009630	6.2.24	1000
69	B. KIRUTHIKAA	403750071267	6.2.24	1000
70	N. GANESH	440339996294	6.2.24	1000
71	K.APROSE JAMEELA	403644975491	13.2.24	1000
72	M.ANIZ RISWANA	440230361024	13.2.24	1000
73	JAYASREE EK	403620371613	13.2.24	1000
74	SANGEETHA .S	403644640789	13.2.24	1000
75	I.AFRITHA HALA	403657059968	13.2.24	1000
76	M.NAWAZ SAHUL HAMEED	440225251490	14.2.24	1000
77	K.A.HALLIMA	403714295191	14.2.24	1000
78	SARANYA P	403619750804	14.2.24	1000
79	SUSMITHA. S	403619963011	14.2.24	1000
80	MERLIN SHARMI.G	403725605032	15.2.24	1000
<b>Total: Eighty thousand only</b>				<b>80,000</b>

  
Organizing Secretary



  
Coordinator

**COORDINATOR**  
JAMAL INSTRUMENTATION CENTRE  
JAMAL MOHAMED COLLEGE (Autonomous)  
Tiruchirappalli - 620 002



Name of the Participant (Capital Letters)	Name of the Institution	FT-IR Spectrometer (Theoretical Session)	FT-IR Spectrometer (Instrument Handling Session)	UV-Visible Spectrophotometer (Theoretical Session)	UV-Visible Spectrophotometer (Instrument Handling Session)	Atomic Absorption Spectrophotometer (Theoretical Session)	Atomic Absorption Spectrophotometer (Instrument Handling Session)	FT-Raman Spectrometer (Theoretical Session)	FT-Raman Spectrometer (Instrument Handling Session)	HPLC (Theoretical Session)	HPLC (Instrument Handling Session)	knowledge level of the participant before attending the programme	Instrument knowledge level of the participant after attending the programme
G.VIDHYA SHREE	HOLYCROSS COLLEGE TRICHY	Good	Excellent	Good	Good	Good	Good	Good	Good	Good	Good	Medium	High
KALPANA R	Vellalar College for Women's	Excellent	Excellent	Excellent	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Medium	Medium
Ramya M	Arignar Anna Government Arts College Musiri	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Medium	Medium
PARKAVI.P	Holy cross college(Autonomous)	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Low	Medium
THIRUKUMARAN B	JAMAL MOHAMED COLLEGE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
THOUFEEQ RAJA J	JAMAL MOHAMMED COLLEGE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
ALMAS FATHIMA	JAMAL MOHAMMAD	Fair	Fair	Excellent	Excellent	Excellent	Good	Good	Good	Fair	Good	Low	Medium
K.APROSE JAMEELA	Jamal Mohammad College	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Medium	High
BARANIKA. R	Jamal Mohamed college	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Low	High



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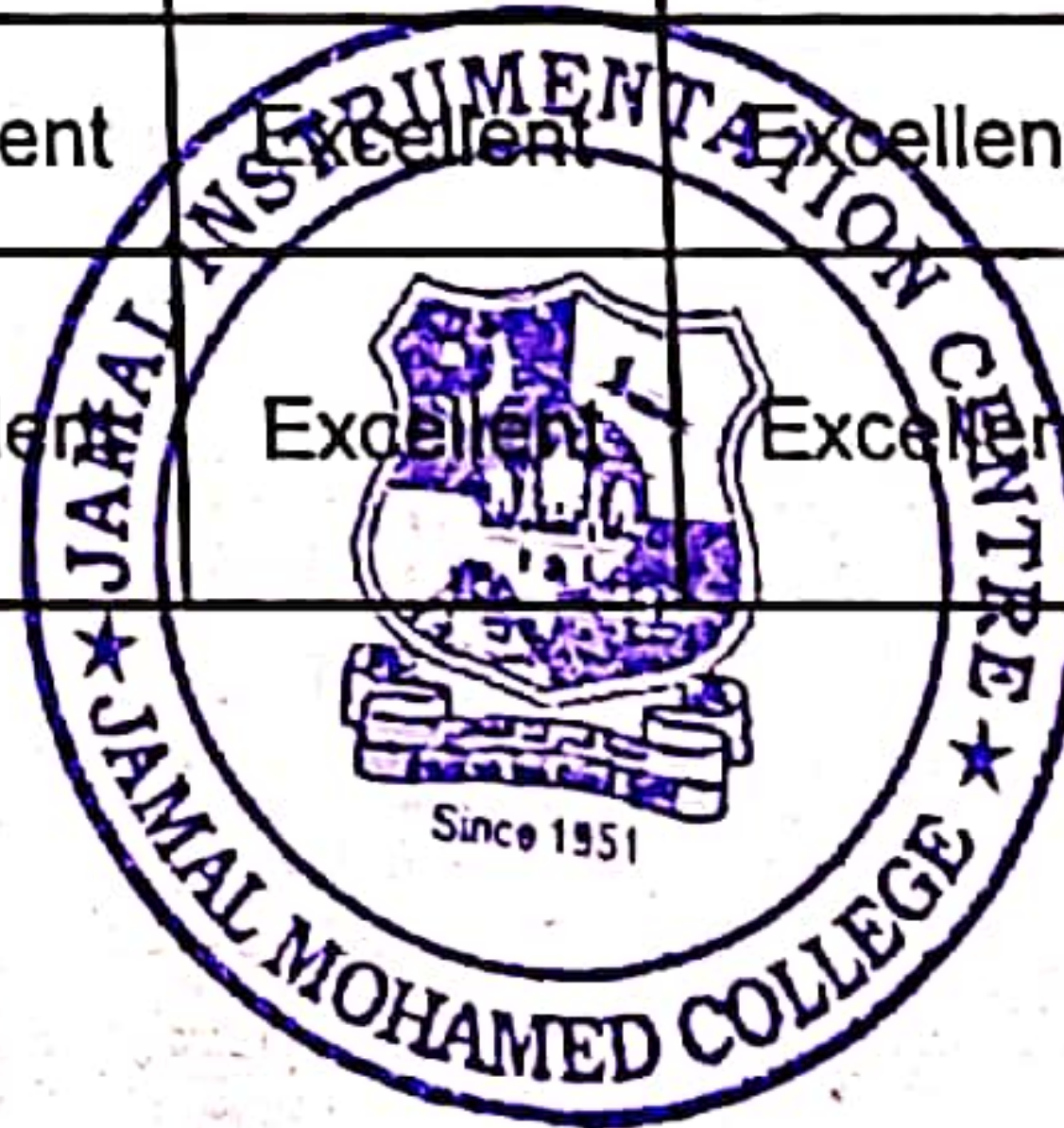
SANGEETHA. S	college JAMAL MOHAMED COLLEGE	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Low	Medium
ISHAMONIKA R	Jamal mohammad college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Medium	High
A.THASNEEM	JAMAL MOHAMED COLLEGE	Good	Excellent	Good	Good	Excellent	Excellent	Good	Excellent	Good	Excellent	Medium	High	
M.ANIZ RISWANA	Jamal Mohamed college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Medium	High
YUVARAJ K	Jamal Mohamed College	Excellenet	Excellent	Excellent	Good	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Low	Medium
I.AFRITHA HALA	Jamal mohamed college	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Medium	High
POOJAKAVERI S	Jamal Mohammad college Trichy	Good	Excellent	Good	Good	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Low	High
SANTHOSH T	nehru memorial college	Good	Excellent	Excellent	Excellent	Good	Excellent	Good	Good	Excellent	Excellent	Excellent	Low	High
RESHMA THASNEEM A	Jamal Mohamed College	Excellenet	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent	Good	Good	Good	Low	Medium
S. Susmitha	Jamal Mohamad college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Good	Excellent	High	High	
Pavithra R	Jamal Mohamed college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Medium	High



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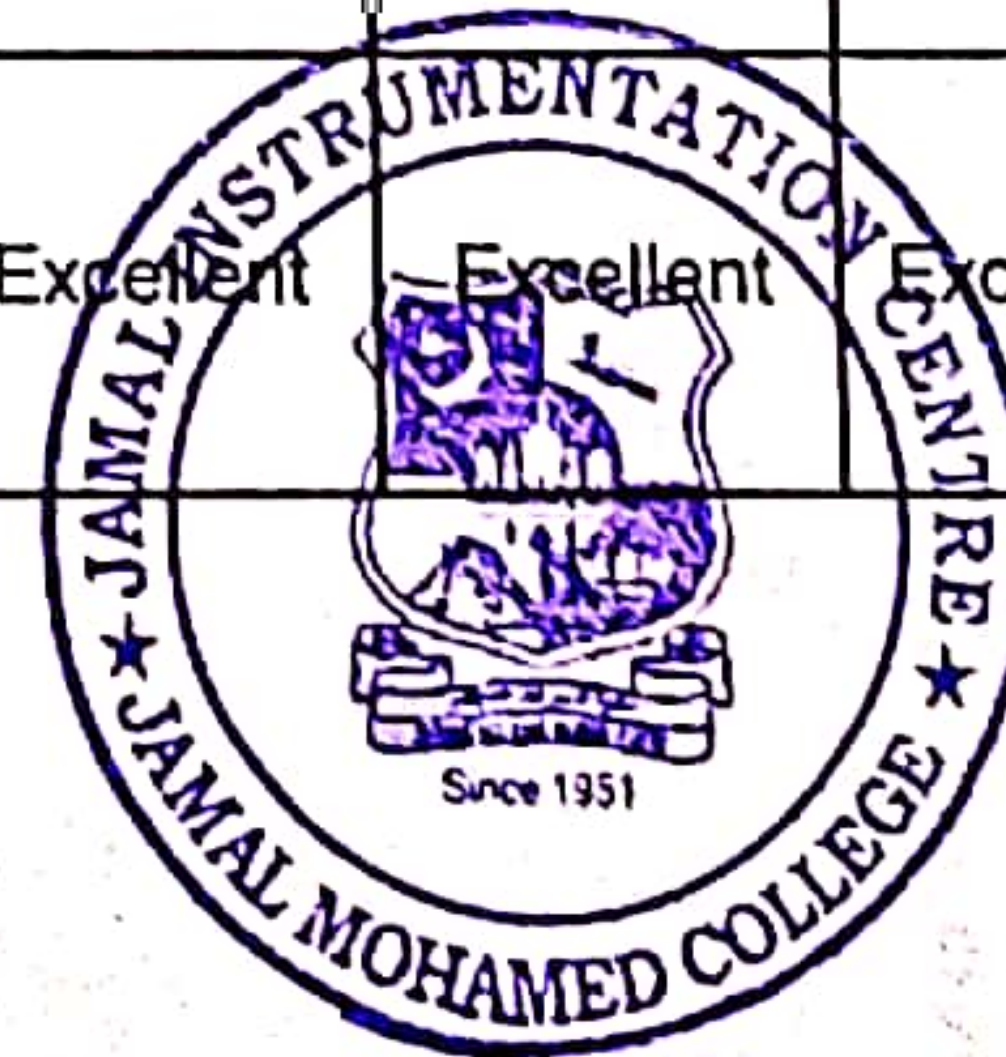
Harish k	J.J college of arts and science	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
B.SHANMUGAVEL	JJ.College of Arts & Science	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
Mohamed Rizvan	J J college of arts and science pudukottai	Good, Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
MAHESHWARAN M	Government arts and science college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	Medium
S.SRIHARI NARAYANAN	JJ.college of arts and science	Good	Good	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Low	High
P.Balasubramanian	J j college of arts and sciences	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
K.A.HALLIMA	Jamal Mohamed college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	High	High
MERLIN SHARMI.G	Jamal Mohamed College, Tiruchirapalli-620020	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Low	High
Revathi.M	Excel Engineering college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
S.DEVI	Arignar Anna Arts college	Excellenet	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
MARAGATHAMANI S	Excel Engineering College	Excellenet	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High



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DEEPANRAJ P	ANNA GOVERNMENT ARTS COLLEGE	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
B. KIRUTHIKAA	Rajah Serfoji Government College	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Low	Medium
P MUGIL SANTHANA	Rajah Serfoji Govt college	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Low	Medium
SUBRAMANIYAN G	ARIGNAR ANNA GOVERNMENT ARTS COLLEGE	Good	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	High	High
Bajeel Basheer	Jamal Mohamed College	Good	Good	Excellent	Excellent	Good	Good	Excellent	Excellent	Good	Good	Good	Low	Medium
MOHAMED ALRASHID	Jamal Mohamed college	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
Dr.S.VIJAYAKUMAR	A.V.V.M SRI PUSHPAM COLLEGE, P OONDI	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High
VANISHREE.P	AVVM Sri Pushpam College	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Medium	High
HARIHARAN M	Rajah Serfoji Government College	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Low	High
Dr.P.Veerassamy	Arignar Anna Government Arts College	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High	High



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**JAMAL MOHAMED COLLEGE** {Autonomous}  
Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0  
(Affiliated to Bharathidasan University)  
TIRUCHIRAPPALLI - 620 020

*One Week Certificate Programme on*

## **SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES**

*(A Hands-on Training)*

*Certificate of Appreciation*



*mode 1*

This is to certify that

**Dr. M. ANWAR SATHIQ**

**Associate Professor of Chemistry, Jamal Mohamed College, Trichy - 20**  
as served as Resource Person and delivered a lecture on "An overview of  
UV-Visible Spectroscopy: Instrumentation and Interpretation Approach"  
during the One week Certificate programme on **Spectroscopic and**  
**Chromatographic Techniques** organised by Jamal Instrumentation  
Centre, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020 from  
10<sup>th</sup> to 15<sup>th</sup> February 2024.

Dr. P. Rajasekar  
Organising Secretary

Dr. M. Purushothaman  
Convener

Dr. S. Ismail Mohideen  
Principal





**JAMAL INSTRUMENTATION CENTRE**  
(DST-FIST Sponsored)



**JAMAL MOHAMED COLLEGE** (Autonomous)

Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0  
(Affiliated to Bharathidasan University)  
Tiruchirappalli - 620 020

*One Week Certificate Programme on*

**SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES**

*(A Hands-on Training)*



This is to certify that

*Model*

**Mr. KARAN .S**

**Ph.D. Research Scholar of Zoology, C Abdul Hakeem College, Melvisharam**  
has participated One week Certificate programme on **Spectroscopic and Chromatographic Techniques** organised by Jamal Instrumentation Centre, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020 from 1<sup>st</sup> to 15<sup>th</sup> February 2024.

Dr. P. Rajasekar  
Organising Secretary

Dr. M. Purushothaman  
Convener

Dr. S. Ismail Mohideen  
Principal