

## Report on "Analysis of biomolecules using FTIR, GC and HPLC"

### Student Level Workshop

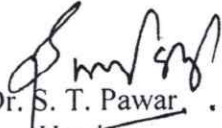
We have organized two workshops on **Analysis of biomolecules using FTIR, GC and HPLC** from 27<sup>th</sup> to 28<sup>th</sup> Sept-2022.

This workshop was jointly organized by Department of Microbiology, Tuljaram chaturchand College in collaboration with RUSA.

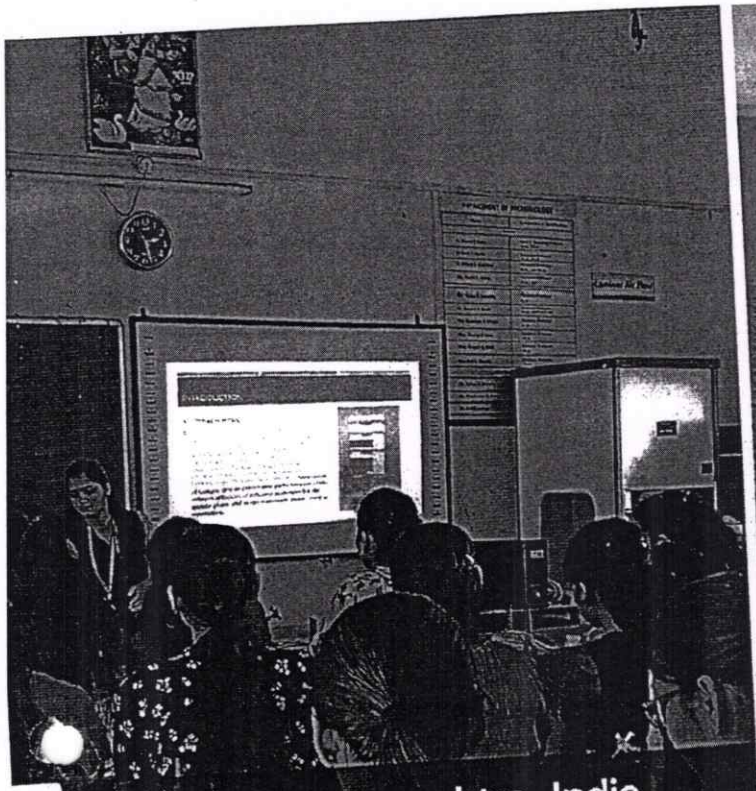
The objective of the workshop was to impart skills in operation of laboratory instruments such as FTIR, GC & HPLC.

Participants were M.Sc. students from Microbiology department. Total 49 participants are benefited by this workshop.

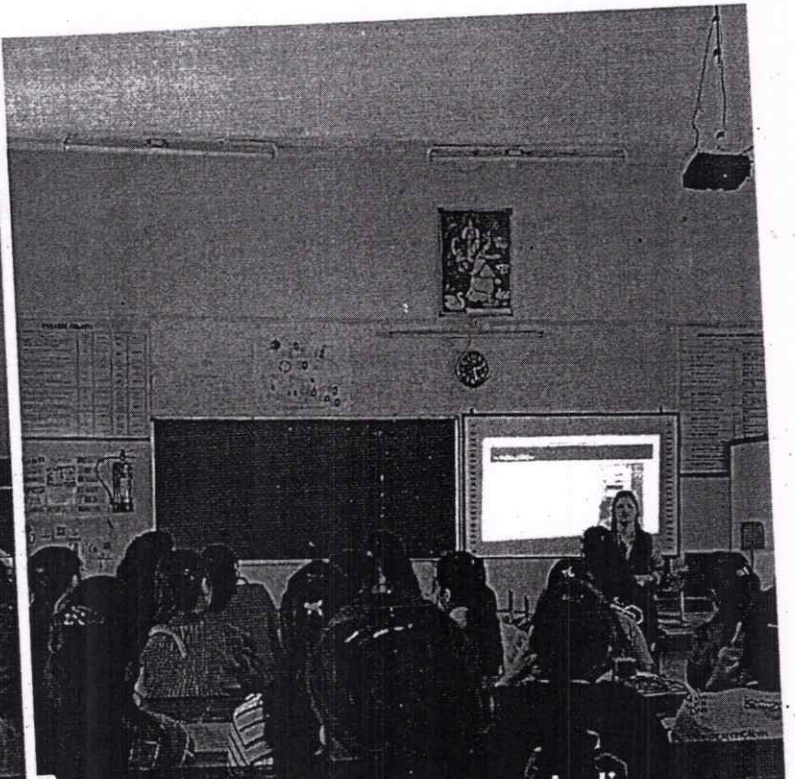
As an outcome of this workshop participants have gained knowledge with respect to operation of instruments. Overall the workshop was very thought provoking. This workshop was useful for students to improve their knowledge of instrumentation.

  
Dr. S. T. Pawar  
Head  
Department of Microbiology

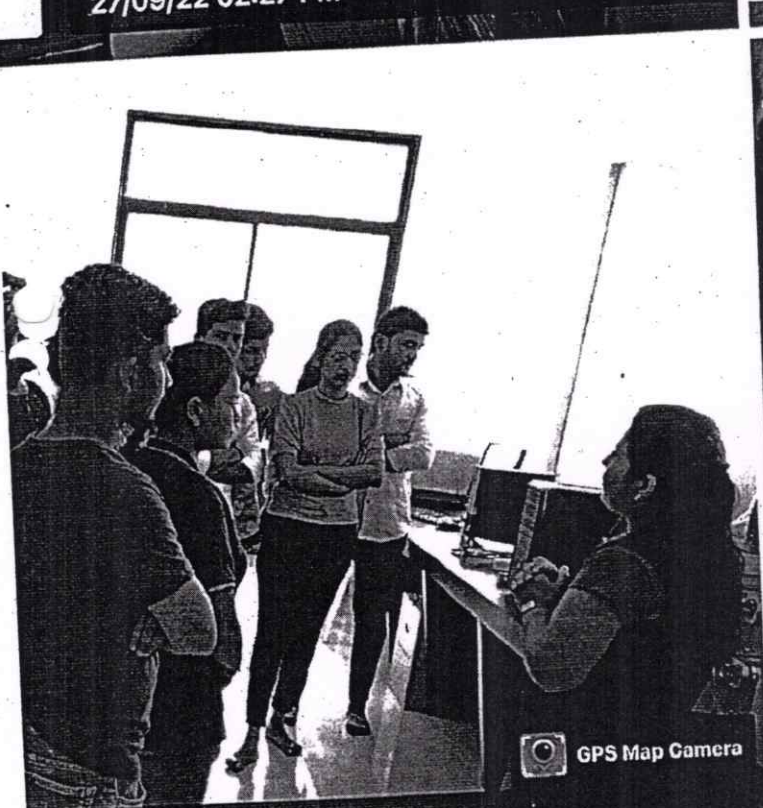




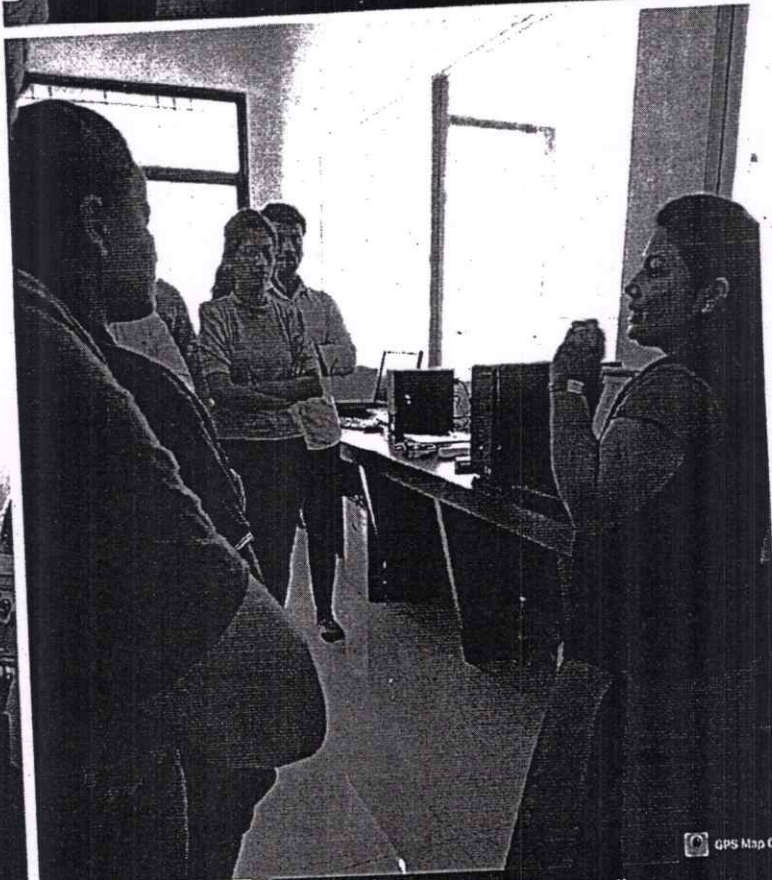
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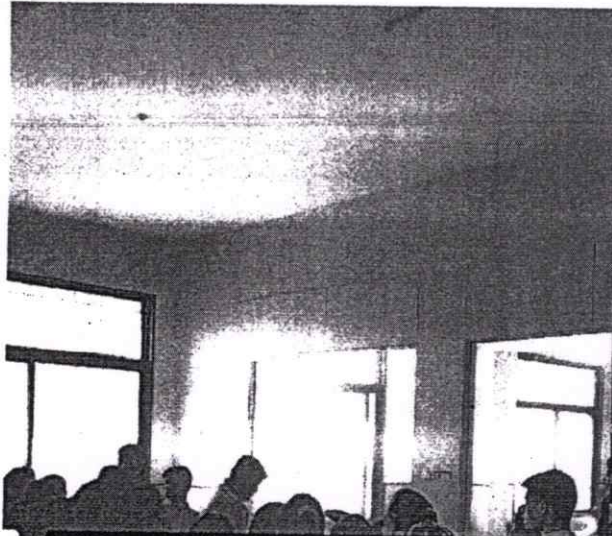
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Station Rd, Vivekanand Nagar, Baramati, Maharashtra 413102,



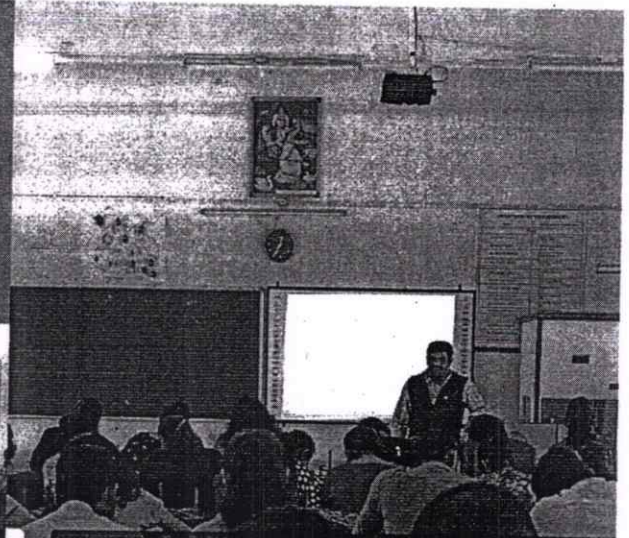
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**Baramati, Maharashtra,**  
5H5J+W8P, Station Rd, Vivekana  
Baramati, Maharashtra 413102, In  
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28/09/22 02:12 PM GMT +05:30



**Baramati, Maharashtra,**  
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Baramati, Maharashtra 413102, In  
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Anekant Education Society's

**Tuljaram Chaturchand College, of Arts, Science and Commerce**

Baramati, Dist. Pune, (Maharashtra), 413102

AUTONOMOUS

NAAC Re-Accredited 'A+' (CGPA 3.55) Grade,

Religious Minority/Institute



## Department of Microbiology

Organized

**Two Days Workshop on "Analysis of biomolecules using FTIR, GC and HPLC"**



This is to certify that, Dr./Prof./Mf./Mss./Mrs. **Hirve Shweta**

of Tuljaram Chaturchand College,

Baramati has actively participated in two Days Workshop on "Analysis of biomolecules using FTIR, GC and HPLC" organized by Department of Microbiology, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati,

Dist. Pune 413102 (Maharashtra), held on 27<sup>th</sup> to 28<sup>th</sup> September 2022.

Ms Priti Bhosale  
Organizing Secretary

Mr. Dhawal Doshi  
PG Coordinator

Dr. Sunil Pawar  
Head, Department of Microbiology

Dr. Chandrashekhhar Murumkar  
Principal

Anekant Education Society's

Tuljaram Chaturchand College, Baramati.

Department of Microbiology

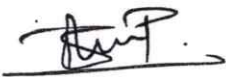
Two Days workshop on " Analysis of biomolecules using FTIR,GC and HPLC " under RUSA during 27<sup>th</sup> Sept 2022 to 28<sup>th</sup> Sept 2022.

Attendance

Sr.No	Student Name	Session-I 27/09/2022	Session-II 27/09/2022	Session-III 28/09/2022
1	HIRAVE SHWETA KASHINATH	Shweta	Shweta	Shweta
2	JADHAV SAYALI KALIDAS	S.Kalidas	S.Kalidas	S.Kalidas
3	PATIL AKSHATA BALASO	Patil	Patil	Patil
4	KHURAPE ANIKET ADINATH	Akhurape	Akhurape	Akhurape
5	SHIRGUPPE NISHA NARSU	Nish Shirguppe	Nish Shirguppe	Nish Shirguppe
6	PALLAKE SOUNDARYA SANJAY	Soundarya Pallake	Soundarya Pallake	Soundarya Pallake
7	KUMBHOJE AKANKSHA SANJAY	Akanksha Kumbhoje	Akanksha Kumbhoje	Akanksha Kumbhoje
8	KOKARE SUPRIYA SAKHARAM	Supriya Kokare	Supriya Kokare	Supriya Kokare
9	DHEMBARE SHIVANJALI HANUMANT	Shivanjali Dhembare	Shivanjali Dhembare	Shivanjali Dhembare
10	DHAPATE SONALI SANTOSH	Sonali Dhapate	Sonali Dhapate	Sonali Dhapate
11	BONDRE KUMODINI MAHADEV	Kumodini Bondre	Kumodini Bondre	Kumodini Bondre
12	JADHAV ANKITA MUKUND	Ankita Jadhav	Ankita Jadhav	Ankita Jadhav
13	SONAWANE PAURNIMA VIJAY	Paurnima Sonawane	Paurnima Sonawane	Paurnima Sonawane
14	GHADAGE TRIVENI JAYSHING	Triveni Ghadage	Triveni Ghadage	Triveni Ghadage
15	BHUNJE RUTUJA RAJENDRA	R.R.Bhujje	R.R.Bhujje	R.R.Bhujje
16	BHOSALE PRIYANKA MADHUKAR	Priyanka Bhosale	Priyanka Bhosale	Priyanka Bhosale
17	SHINDE SANKET RAJENDRA	Sanket Shinde	Sanket Shinde	Sanket Shinde
18	VIRKAR SUMIT APPA	Sumit Virkar	Sumit Virkar	Sumit Virkar
19	KHATMODE ANIKET ASHOK	Aniket Khatmode	Aniket Khatmode	Aniket Khatmode
20	ZAGADE ROHIT BALU	Rohit Zagade	Rohit Zagade	Rohit Zagade
21	AWATE SAGAR ATMARAM	Sagar Awate	Sagar Awate	Sagar Awate
22	KAVATHE ARPITA ANIL	Arpita Kavathe	Arpita Kavathe	Arpita Kavathe
23	KATE REVATI SHAILESH	Revati K. Kate	Revati K. Kate	Revati K. Kate
24	LONDHE SNEHAL GANESH	Snehal Londhe	Snehal Londhe	Snehal Londhe
25	POPALBHAT DIPALI PANDURANG	Dipali Popalbat	Dipali Popalbat	Dipali Popalbat
26	GUNAWARE KUNAL BHARAT	Kunal Gunaware	Kunal Gunaware	Kunal Gunaware
27	CHAVAN ABHISHEK DATTATRAY	Abhishek Chavan	Abhishek Chavan	Abhishek Chavan
28	GAIKWAD NIKHIL VILAS	Nikhil GaiKWAD	Nikhil GaiKWAD	Nikhil GaiKWAD



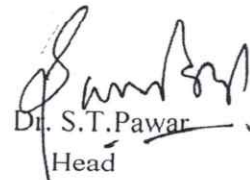
29	MURUMKAR SHASHANK AJIT			
30	PATIL AKSHATA KUBER			
31	SAUNDATTE DIVYA KUBER	<del>Saundatte</del>	<del>Saundatte</del>	<del>Saundatte</del>
32	NIRWANE VEDIKA VIJAY	<del>Nirwane</del>	<del>Nirwane</del>	<del>Nirwane</del>
33	CHOUGULE ANKITA NARASGONDA	<del>Chougule</del>	<del>Chougule</del>	<del>Chougule</del>
34	TERDALE SIDHARTH KRISHNAPPA	<del>Terdale</del>	<del>Terdale</del>	<del>Terdale</del>
35	MORE NILAM MADHUKAR	<del>N.M.Mose.</del>	<del>N.M.Mose.</del>	<del>N.M.Mose.</del>
36	ALMAN ADIKSHA AJIT	<del>Adiksha</del>	<del>Adiksha</del>	<del>Adiksha</del>
37	PACHORE AISHWARYA ASHOK	<del>Pachore</del>	<del>Pachore</del>	<del>Pachore</del>
38	KATE SRUSHTI BALASAHEB	<del>Kate</del>	<del>Kate</del>	<del>Kate</del>
39	BHOSALE SHUBHAM GANESH	<del>Bhosale</del>	<del>Bhosale</del>	<del>Bhosale</del>
40	ATOLE TUSHAR DATTATRAY	<del>Atole</del>	<del>Atole</del>	<del>Atole</del>
41	CHAVAN POOJA PHATTESING	<del>Chavan</del>	<del>Chavan</del>	<del>Chavan</del>
42	KUMAWAT POONAM PHOOLCHAND	<del>Kumawat</del>	<del>Kumawat</del>	<del>Kumawat</del>
43	DAGADE KALYANI ANIL	<del>Dagade</del>	<del>Dagade</del>	<del>Dagade</del>
44	KHOMANE RUSHIKA YUVRAJ	<del>Khomane</del>	<del>Khomane</del>	<del>Khomane</del>
45	THOPATE CHARUSHILA KAKASO	<del>Thopate</del>	<del>Thopate</del>	<del>Thopate</del>
46	MANE VIRAJ MAHESH	<del>Mane</del>	<del>Mane</del>	<del>Mane</del>
47	SAWANT AKSHAY SUDAM	<del>Sawant</del>	<del>Sawant</del>	<del>Sawant</del>
48	MERGAL RESHMA CHIMAJI	<del>Mergal</del>	<del>Mergal</del>	<del>Mergal</del>
49	CHOPADE SUDIKA ARJUN	<del>Chopade</del>	<del>Chopade</del>	<del>Chopade</del>



P.C. Bhosale  
Organizing Secretary  
of Workshop



D.V. Doshi  
PG  
Coordinator



Dr. S.T. Pawar  
Head  
Dept of Microbiology

24 Sept, 2022

Department of Microbiology

To,  
The Principal,  
Tuljaram Chaturchand College of Arts, Science and Commerce,  
Baramati.

Sub: -Permission to organize Two Days workshop entitled "Analysis of biomolecules using FTIR,GC and HPLC" under RUSA.

Respected Sir,

We would like to organize a Two Days Workshop entitled "Analysis of biomolecules using spectroscopy and HPLC" under RUSA dated on 27-28 Sept, 2022 for M.Sc. II Microbiology students.

Detailed programme is attached here with. Remuneration and TA/DA expenses will be borne from RUSA.

So, I request you to kindly allow us for the same.

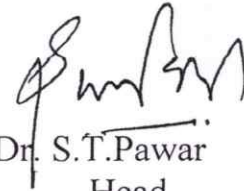
Thanking you



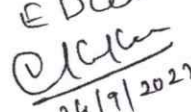
P.C. Bhosale  
Organizing Secretary  
of Workshop



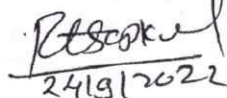
D.V. Doshi  
PG  
Coordinator

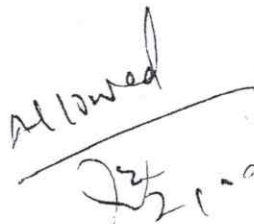


Dr. S.T. Pawar  
Head  
Department of Microbiology

Recommended  
to organize  
workshop under  
ED Cell  
  
24/9/2022

Recommended under RUSA

  
24/9/2022

Allowed  


Scheduled of Two Days Workshop entitled "Analysis of biomolecules using FTIR,GC and HPLC" is as follows.

Date: 27/09/2022

Sr No	Time	Topic	In charge	Venue
1	11.30 am to 12.30 pm	GC	Mrs. Kalpana Rupnawar	Pasteur Lab
2	12.30 pm to 01.30 pm	Hands on Training	Mrs. Kalpana Rupnawar	Arnikar Lab
	1.30 pm to 2 pm	Lunch Break		
3	2 pm to 3 pm	FTIR	Dr Rahul Bhondwe	Pasteur Lab
4	3 pm to 4 pm	Hands on Training	Dr Rahul Bhondwe	CFC Lab

Date: 28/09/2022

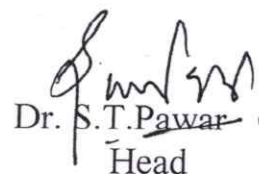
Sr No	Time	Topic	In charge	Venue
1	11.30 am to 12.30 pm	HPLC	Ms Sonali Nale	Pasteur Lab
2	12.30 pm to 01.30 pm	Hands on Training	Ms Gayatri Pirale	Bose lab



P.C.Bhosale  
Organizing Secretary  
of Workshop



D.V.Doshi  
PG  
Coordinator



Dr. S.T.Pawar  
Head  
Department of Microbiology





Anekant Education Society's

**Tuljaram Chaturchand College of Arts, Science and Commerce,  
Baramati (MH) India**

(Autonomous)

**Department of Microbiology**

**Under RUSA**

**Organizes**

**Two Days Workshop on**

**Analysis of biomolecules using FTIR, GC and HPLC**

**Resource Person**

**Dr Rahul Bhondwe**

**Mrs. Kalpana Rupnawar**

**Ms. Gayatri Pirale**

**Ms Sonali Nale**

**Tuljaram Chaturchand College, Baramati**

**Organizing Committee**

**Mrs P.C.Bhosale**  
Asst. Professor  
Coordinator

**Dr. R.T.Sapkal**  
Vice-principal &  
RUSA Coordinator

**Dr. S. T. Pawar**  
Professor & Head  
Dept. of Microbiology

**Dr. C. V. Murumkar**  
Principal  
T. C. College, Baramati

**Time –Tuesday 27 Sep, 2022 from 11.30 am to 4pm**

**–Wednesday 28 Sep, 2022 from 11.30 am to 1:30pm**

Anekant Education Society's  
**Tuljaram Chaturchand College, Baramati.**  
**Department of Microbiology**

**Two Days workshop on "Analysis of biomolecules using FTIR, GC and HPLC"  
under RUSA during 27<sup>th</sup> Sept 2022 to 28<sup>th</sup> Sept 2022.**

**Feedback Form**

Scale:

5 – Strongly Agree	4 – Agree	3 – Neutral	2 –Disagree	1 – Strongly Disagree
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	1	2	3	4	5	Comments
1. The course met its stated aims and objectives.					✓	
2. The workshop facilities were appropriate and satisfactory.				✓		
3. The workshop material was presented in a clear and organized manner.				✓		
4. The workshop was placed appropriately.					✓	
5. The presenters responded to questions in an informative, appropriate and satisfactory manner.				✓		
6. Overall, the sessions were informative and valuable.					✓	
7. What aspects of the workshop, if any, would you change in future? Why?	—					
10. Do you have any suggestions for future workshops/events that you would like us to organize?	—					
10. Other comments...	No comments.					

  
**Signature**



Anekant Education Society's  
**Tuljaram Chaturchand College, Baramati.**  
**Department of Microbiology**

**Two Days workshop on "Analysis of biomolecules using FTIR, GC and HPLC"  
 under RUSA during 27<sup>th</sup> Sept 2022 to 28<sup>th</sup> Sept 2022.**

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1. The course met its stated aims and objectives.					✓	
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3. The workshop material was presented in a clear and organized manner.					✓	
4. The workshop was placed appropriately.					✓	
5. The presenters responded to questions in an informative, appropriate and satisfactory manner.				✓		
6. Overall, the sessions were informative and valuable.					✓	
7. What aspects of the workshop, if any, would you change in future? Why?	no any change in future.					
10. Do you have any suggestions for future workshops/events that you would like us to organize?	No any suggestion for future workshop events that i would like us to organize.					
10. Other comments...	no comments.					

  
 Signature

Anekant Education Society's  
**Tuljaram Chaturchand College, Baramati.**  
**Department of Microbiology**

**Two Days workshop on "Analysis of biomolecules using FTIR, GC and HPLC"  
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**Feedback Form**

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1. The course met its stated aims and objectives.				✓		
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3. The workshop material was presented in a clear and organized manner.				✓		
4. The workshop was placed appropriately.				✓		
5. The presenters responded to questions in an informative, appropriate and satisfactory manner.				✓		
6. Overall, the sessions were informative and valuable.					✓	
7. What aspects of the workshop, if any, would you change in future? Why?	NO Aspects					
10. Do you have any suggestions for future workshops/events that you would like us to organize?	Yes, I would like to suggest that to organize such kind of <del>of</del> the workshop.					
10. Other comments...	No comments					



Signature



Anekant Education Society's  
**Tuljaram Chaturchand College, Baramati.**  
**Department of Microbiology**


**Two Days workshop on "Analysis of biomolecules using FTIR, GC and HPLC"  
 under RUSA during 27<sup>th</sup> Sept 2022 to 28<sup>th</sup> Sept 2022.**

**Feedback Form**

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5 – Strongly Agree	4 – Agree	3 – Neutral	2 –Disagree	1 – Strongly Disagree
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	1	2	3	4	5	Comments
1. The course met its stated aims and objectives.					✓	
2. The workshop facilities were appropriate and satisfactory.				✓		
3. The workshop material was presented in a clear and organized manner.					✓	
4. The workshop was placed appropriately.					✓	
5. The presenters responded to questions in an informative, appropriate and satisfactory manner.					✓	
6. Overall, the sessions were informative and valuable.					✓	
7. What aspects of the workshop, if any, would you change in future? Why?	—					
10. Do you have any suggestions for future workshops/events that you would like us to organize?	—					
10. Other comments...	The workshop was effective.					

  
 Signature

Anekant Education Society's  
**Tuljaram Chaturchand College, Baramati.**  
**Department of Microbiology**

Two Days workshop on "Analysis of biomolecules using FTIR, GC and HPLC"  
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**Feedback Form**

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	1	2	3	4	5	Comments
1. The course met its stated aims and objectives.				✓		
2. The workshop facilities were appropriate and satisfactory.					✓	
3. The workshop material was presented in a clear and organized manner.					✓	
4. The workshop was placed appropriately.					✓	
5. The presenters responded to questions in an informative, appropriate and satisfactory manner.					✓	
6. Overall, the sessions were informative and valuable.					✓	
7. What aspects of the workshop, if any, would you change in future? Why?	No.					
10. Do you have any suggestions for future workshops/events that you would like us to organize?	—					
10. Other comments...	The workshop was so informative.					

*S. S. S. S.*  
 Signature