Part of the state of the state

Vishnu Waman Thakur Charitable Trust's

Bhaskar Waman Thakur College of Science,
Yashvant Keshav Patil College of Commerce,
Vidhya Dayanand Patil College of Arts,
(♥I♥▲ College)



Spectroscopy
Techniques
(CC-ST)



Department of Biochemistry
in collaboration with
IQAC
organizes a certificate course on

SPECTROSCOPY TECHNIQUES

Course content

- Introduction to the Techniques
- Sample preparation
- Experiment based on Spectroscopy
- Observation, Discussion, Result interpretation
- Sample preparation for UV-Vis and IR Spectroscopy
- Working of the instrument UV-Vis
 Spectrophotometer
- Working of the instrument IR Spectrophotometer
- Observation, Discussion, Result interpretation

Resource person

Mr. Rohan D'Souza Mr. Nikhil Teli

Venue:
Old VIVA College Instrumentation lab

3rd Sept - 7th Sept 2019



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Resource person

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Venue:
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4th Nov - 8th Nov 2019



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Resource person

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Venue:
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3rd Feb - 7th Feb 2019



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Resource person

Mr. Rohan D'Souza Mr. Nikhil Teli

Venue:
Old VIVA College Instrumentation lab

2nd Mar - 6th Mar 2019



Department of Biochemistry Certificate Course on Spectroscopy Techniques Year: 2019-20

September 2019

The Department of Biochemistry in association with IQAC proposes a short-term certificate course (Non-Credit) on Spectroscopy techniques (Course Code- SSTSTP01) (S= Science, ST= Spectroscopy techniques, STP= Short Term Program, 01- Assigned Number of the Course)

Course description:

The course provides a comprehensive overview of the spectroscopic techniques. The course covers the basic principles of spectroscopy, its theory, working and applications in varied fields. This programme is meant for students of Science covering the basics of spectroscopy. The students will get knowledge of the application of this technique in one's life and also how these techniques cater to different applications which includes environment, food analysis, pharmaceuticals, cosmetics, ASU and Herbal Industries.

Batch 01 - 3rd Sept - 7th Sept 2019

Batch 02 - 4th Nov - 8th Nov 2019

Batch 03 - 3rd Feb - 7th Feb 2019

Batch 04 - 2nd Mar - 6th Mar 2019

Who can attend	Students	
Batch size	25 Students maximum	
Course duration	Total 30 Hrs	
Course fees	Not applicable	
Venue	Old VIVA College Instrumentation lab	
Course Timing	9:00 am onwards (Theory)	
	9:00 am onwards (Practical, or when called for)	

Resource Person	Mr. Rohan D'Souza		
	Mr. Nikhil Teli		
Contact Person	Mr. Vinodkumar Didwana (9673236800)		
	Ms. Tanvi Bore (9765878999)		

Course Content and Schedule:

Module	Day	Duration	Topic
1	Day 1	4 hours	Introduction to the Techniques Overview, principle and theory of the techniques involved.
2	Day 1	2 hours	Sample preparation
3	Day 2	4 hours	Experiment based on Spectroscopy
4	Day 2	2 hours	Observation, Discussion, Result interpretation
5	Day 3	4 hours	Sample preparation for UV-Vis and IR Spectroscopy
6	Day 4	6 hours	Working of the instrument UV-Vis Spectrophotometer Students will be given an experiment where they will be using the machine and would get an handson experience.
7	Day 4	6 hours	Working of the instrument IR Spectrophotometer Students will be given an experiment where they will be using the machine and would get an handson experience.
8	Day 5	2 hours	Observation, Discussion, Result interpretation

- A certificate will be given to the participants after successful completion of the course.
- Feedback session will be conducted during the certificate distribution program