

Vishnu Waman Thakur Charitable Trust's  
Bhaskar Waman Thakur College of Science,  
Yashvant Keshav Patil College of Commerce,  
Vidhya Dayanand Patil College of Arts,  
(VIVA College)



Spectrum  
Analysis  
(CC-SA)



Vishnu Waman Thakur Charitable Trust's  
Bhaskar Waman Thakur College of Science  
Yashvant Keshav Patil College of Commerce  
Vidhya Dayanand Patil College of Arts  
(VIVA College)  
(Affiliated to University of Mumbai)

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

# SPECTRUM ANALYSIS

## Course content

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

## Resource person

Mr. Vinodkumar  
Didwana  
Ms. Tanvi Bore  
Mr. Sunil Jaisawar  
Mr. Devesh Machhi

Venue:  
VIVA College, Old Building, 3rd  
Floor Instrumentation lab

**15th Jan - 20th Jan 2023**

Ms. Tanvi Bore  
Course Coordinator

Mr. Vinodkumar Didwana  
Head of Biochemistry

Dr. Deepa Verma  
Vice Principal  
&  
IQAC Coordinator

Dr. Prajakta Paranjape  
Vice Principal

Dr. V.S. Adigal  
Principal

**Vishnu Waman Thakur Charitable Trust's  
Bhaskar Waman Thakur College of Science  
Yashvant Keshav Patil College of Commerce  
Vidhya Dayanand Patil College of Arts  
(VIVA College)**



**CERTIFICATE COURSE FORMAT**

<b>Sr. No</b>	<b>Particulars</b>	
1.	Department	<b>Biochemistry</b>
2.	Name of the Course and Course Code	<b>Certificate Course on Spectrum Analysis</b> (Course Code- SA)
3.	Code	<b>CC- SA</b>
4.	Duration	<b>30 Hours</b>
5.	Date of Commencement	<b>15-01-2024 (Tentative)</b>
6.	Curriculum / Syllabus copy of the course	Detailed syllabus to be submitted
7.	Committee (BoS) for framing of syllabus	1. Chairman: Mr. Vinodkumar Didwana 2. Coordinator : Ms. Tanvi Bore 3. Member : Mr. Sunil Jaisawar 4. Member : Mr. Devesh Machhi
8.	Mode of Delivery of the curriculum	Offline
9.	Assessment procedure	Test, Assignments etc. (Need to add)
10.	Outcomes of the program	Students will be able to: 1. Define spectroscopy 2. Prepare sample 3. Set up an experiment for UV-Visible & AAS spectroscopy. 4. Interpret and conclude the results.

Name & Signature of Course Coordinator

Name & Signature of HOD/ Coordinator