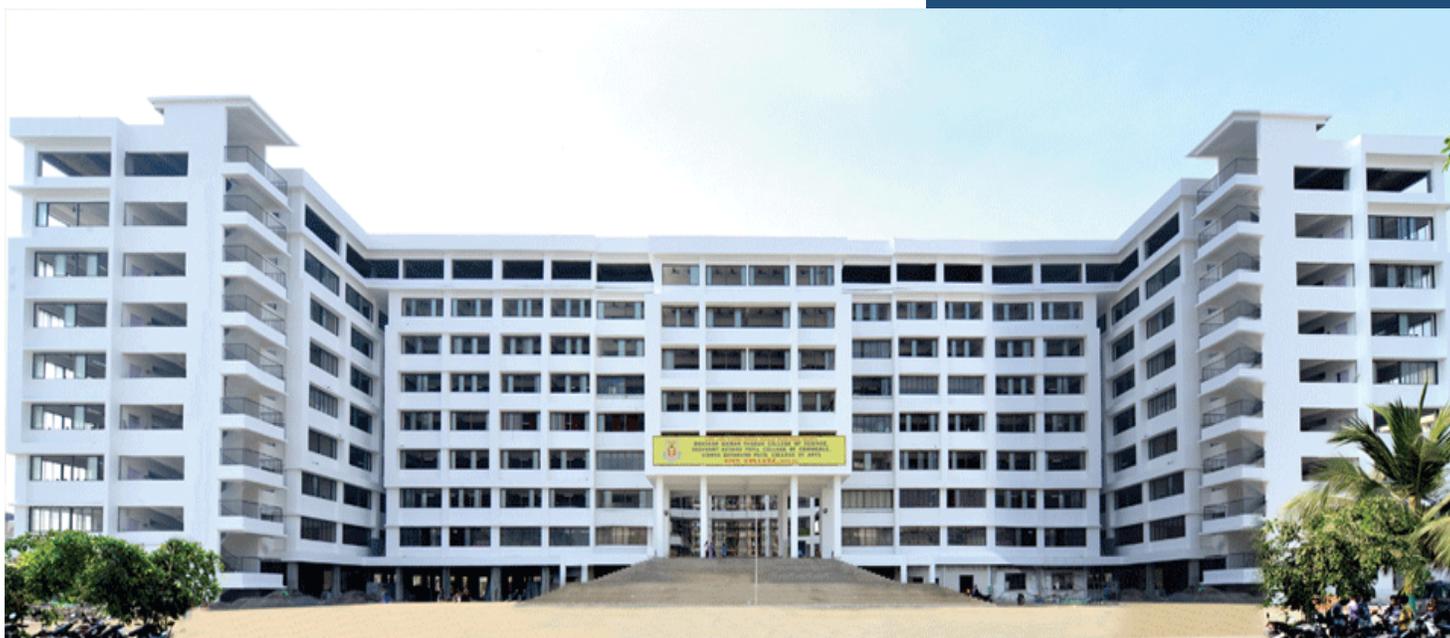


Vishnu Waman Thakur Charitable Trust's  
Bhaskar Waman Thakur College of Science,  
Yashvant Keshav Patil College of Commerce,  
Vidhya Dayanand Patil College of Arts,  
(VIVA College)



**Chromatography  
Techniques  
(CC-CT)**



Late Shri. 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)  
(NAAC ACCREDITED-'B' Grade, CGPA 2.69)

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

# CHROMATOGRAPHY TECHNIQUES

## Course content

- Introduction to the Techniques
- Sample preparation for Paper and Thin Layer Chromatography
- Experiment based on Paper chromatography and Thin Layer Chromatography.
- Observation, Discussion, Result interpretation
- Sample preparation for HPLC and HPTLC
- Working of the instrument HPLC
- Working of the instrument HPTLC
- Observation, Discussion, Result interpretation

## Resource person

Dr. Deepa Verma  
Mr. Vinodkumar Didwana  
Mr. Nikhil Teli

Venue:  
Old VIVA College Instrumentation lab

3rd Sept - 8th Sept 2018

Ms. Tanvi Bore  
Course Coordinator

Dr. Deepa Verma  
Biochemistry Coordinator &  
IQAC Coordinator

Mrs. Prajakta Paranjape  
Vice Principal

Dr. A.P Pandey  
I/c Principal



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- **Working of the instrument HPLC**
- **Working of the instrument HPTLC**
- **Observation, Discussion, Result interpretation**

## Resource person

Dr. Deepa Verma  
Mr. Vinodkumar Didwana  
Mr. Nikhil Teli

Venue:  
Old VIVA College Instrumentation lab

12th Nov - 17th Nov 2018

Ms. Tanvi Bore  
Course Coordinator

Dr. Deepa Verma  
Biochemistry Coordinator &  
IQAC Coordinator

Mrs. Prajakta Paranjape  
Vice Principal

Dr. A.P Pandey  
I/c Principal



Late Shri.Vishnu Waman Thakur Charitable Trust's  
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- Working of the instrument HPLC
- Working of the instrument HPTLC
- Observation, Discussion, Result interpretation

## Resource person

Dr. Deepa Verma  
Mr. Vinodkumar Didwana  
Mr. Nikhil Teli

Venue:  
Old VIVA College Instrumentation lab

4th Feb - 9th Feb 2019

Ms. Tanvi Bore  
Course Coordinator

Dr. Deepa Verma  
Biochemistry Coordinator &  
IQAC Coordinator

Mrs. Prajakta Paranjape  
Vice Principal

Dr. A.P Pandey  
I/c Principal



Late Shri.Vishnu Waman Thakur Charitable Trust's  
Bhaskar Waman Thakur College of Science  
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- Working of the instrument HPLC
- Working of the instrument HPTLC
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## Resource person

Dr. Deepa Verma  
Mr. Vinodkumar Didwana  
Mr. Nikhil Teli

Venue:  
Old VIVA College Instrumentation lab

5th Mar - 11th Mar 2019

Ms. Tanvi Bore  
Course Coordinator

Dr. Deepa Verma  
Biochemistry Coordinator &  
IQAC Coordinator

Mrs. Prajakta Paranjape  
Vice Principal

Dr. A.P Pandey  
I/c Principal



Late Shri.Vishnu Waman Thakur Charitable Trust's  
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**Department of Biochemistry**  
**Certificate Course on Chromatography Techniques**  
**Year: 2018-2019**

**September 2018**

**The Department of Biochemistry in association with IQAC proposes a short-term certificate course (Non-Credit) on Chromatography techniques (Course Code- SCTSTP01) (S= Science, CT=Chromatography techniques , STP= Short Term Program, 01- Assigned Number of the Course)**

**Course description:**

The course provides a comprehensive overview of the chromatographic techniques. The course covers the basic principles of chromatography, its theory behind the separation, working and applications in varied fields. This programme is meant for students of Science covering the basics like Paper and Thin layer Chromatography to the sophisticated instrument like HPLC and HPTLC. 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 - 3<sup>rd</sup> Sept - 8<sup>th</sup> Sept 2018

Batch 02 - 12<sup>th</sup> Nov - 17<sup>th</sup> Nov 2018

Batch 03 - 4<sup>th</sup> Feb - 9<sup>th</sup> Feb 2019

Batch 04 - 5<sup>th</sup> Mar - 11<sup>th</sup> Mar 2019

<b>Who can attend</b>	Students
<b>Batch size</b>	25 Students maximum
<b>Course duration</b>	Total 30 Hrs
<b>Course fees</b>	Not applicable
<b>Venue</b>	Old VIVA College Instrumentation lab
<b>Course Timing</b>	9:00 am onwards (Theory)

	9:00 am onwards (Practical, or when called for)
<b>Resource Person</b>	Mr. Vinodkumar Didwana Mr. Nikhil Teli
<b>Contact Person</b>	Ms. <a href="#">Tanvi Bore</a> (9765878999)

**Course Content and Schedule:**

Module	Day	Duration	Topic
1	Day 1	4 hours	<b>Introduction to the Techniques</b> Overview, principle and theory of the techniques involved.
2	Day 1	2 hours	<b>Sample preparation for Paper and Thin Layer Chromatography</b>
3	Day 2	4 hours	<b>Experiment based on Paper chromatography and Thin Layer Chromatography</b>
4	Day 2	2 hours	<b>Observation, Discussion, Result interpretation</b>
5	Day 3	4 hours	<b>Sample preparation for HPLC and HPTLC</b>
6	Day 4	6 hours	<b>Working of the instrument HPLC</b> Students will be given an experiment where they will be using the machine and would get an hands on experience.
7	Day 4	6 hours	<b>Working of the instrument HPTLC</b> Students will be given an experiment where they will be using the machine and would get an hands on experience.
8	Day 5	2 hours	<b>Observation, Discussion, Result interpretation</b>

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