



**Vishnu Waman Thakur Charitable Trust's**  
**VIVA Institute of Pharmacy**

Approved by PCI, AICTE (New Delhi), DTE (Government of Maharashtra),  
and Affiliated to University of Mumbai

## **1.2**

### **Number of Add on /Certificate/Value added programs offered during the last five years**





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<b>Criteria:1</b>	Curricular Aspects
<b>Key Indicator: 1.2</b>	Academic Flexibility
<b>Metric No: 1.2.1</b>	Number of Add on /Certificate/Value added programs offered during the last five years
<b>Metric No: 1.2.2</b>	Percentage of students enrolled in Certificate/ Add on/Value added programs as against the total number of students during the last five years





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**Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years**

2022-2023	2021-2022	2020-2021	2019-2020	2018-2019
155	0 (Due to Lockdown)	0 (Due to Lockdown)	127	123

<b>Response:</b>	45.20
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**1) Summary of Metric 1.2.1 and 1.2.2**

<b>Academic Year 2022-2023</b>		
<b>Sr. No</b>	<b>Name of Add on /Certificate /Value added programs offered</b>	<b>Date</b>
1	Basic to Advance Clinical Research and Pharmacovigilance	19/12/2022 to 23/12/2022
<b>Academic Year 2019-2020</b>		
1	Handling of Laboratory Animals	04/11/2019 to 08/11/2019
<b>Academic Year 2018-2019</b>		
1	Fundamentals of Dissolution	03/12/2018 to 07/12/2018





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**2) Add on /Certificate /Value added programs offered in  
Academic Year 2022-2023**

<b>Name of Add on /Certificate /Value added programs offered</b>	<b>Duration of Course</b>	<b>Date</b>	<b>Total Number of Students enrolled the course in the year</b>	<b>Total Number of Students enrolled the course in the year</b>
Basic to Advance Clinical Research and Pharmacovigilance	30 Hrs	19/12/2022 to 23/12/2022	155	155





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### 3) Report

Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

Date: 26/12/2022

#### Report on 5 days workshop on Basics in Clinical Research and Pharmacovigilance

##### Day 1: Clinical Trials Guidelines

The 5-day workshop on "Basic and Advanced Clinical Research and Pharmacovigilance" organized at VIP, Virar, with a focus on the essential guidelines and regulations governing clinical trials. An opening address by the Respected Principal Dr. Sunita Ogale, emphasizing the importance of clinical research and pharmacovigilance in drug development and patient safety. Discussions on the phases of clinical trials, patient recruitment, and informed consent procedures. Insights into the roles and responsibilities of various stakeholders, including investigators, sponsors, and ethics committees.

##### Day 2: Designing Experiments in Clinical Trials

The second day of the workshop delved into the intricacies of designing experiments for clinical trials. Participants learned how to plan and execute effective research studies. Discussions on selecting appropriate endpoints, sample sizes, and control groups. Practical exercises on designing clinical trial protocols and statistical considerations.

##### Day 3: Documentation on Experiments in Clinical Trials

On the third day, the focus shifted to the critical aspect of documentation in clinical trials. Effective record-keeping and data management are essential for ensuring the reliability and integrity of trial results.

Discussions on creating and maintaining comprehensive research records, source documents, and case report forms.

Hands-on training in documenting adverse events, protocol deviations, and other critical trial information. Guidance on data management, storage, and quality control to maintain the highest standards of clinical trial documentation.

##### Day 4: Basics of Pharmacovigilance







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Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

The fourth day of the workshop was dedicated to the fundamentals of pharmacovigilance, which plays a pivotal role in monitoring and ensuring the safety of drugs post-approval. Discussions on the regulatory framework and global pharmacovigilance systems. Training on the methods and tools used to collect, assess, and report ADRs. Real-life examples illustrating the impact of pharmacovigilance in ensuring patient safety and regulatory compliance.

#### Day 5: Adverse Drug Reactions

The final day of the workshop delved deeper into the topic of adverse drug reactions. Participants learned how to identify, report, and manage ADRs effectively. Discussions on signal detection, risk assessment, and benefit-risk analysis. Training on reporting ADRs to regulatory authorities and developing strategies for risk mitigation. Case studies showcasing real-world instances of ADRs and the actions taken to address them. In conclusion, the 5-day workshop on "Basic and Advanced Clinical Research and Pharmacovigilance" provided a comprehensive and practical understanding of clinical research and pharmacovigilance. Attendees left with valuable knowledge and skills to navigate the complexities of clinical trials, ensure data integrity, and contribute to the safety and effectiveness of pharmaceutical products in the market.



  
**Coordinator**

  
**Principal**







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## Notice

Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At. Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

Ref: VIVA/VIP/OFF/22-23

Date: - 09/12/2022

### NOTICE

All the Teaching, Non – Teaching staff members and students  
of Third Year B Pharm & Final Year B Pharm are hereby informed that  
5 days certificate course on 'Basics in Clinical Research and  
Pharmacovigilance' is organized from 19/12/2022 to 23/12/2022

Venue: VIVA Institute of Pharmacy, Virar

Room no: D-005

Time: 9.00 am to 3.30 pm

  
Course coordinator



  
Principal





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## Syllabus

Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

**NAME OF THE COURSE:** Basic in Clinical Research and Pharmacovigilance

**DATE OF COURSE:** 19/12/2022 to 23/12/2022

**DURATION:** 30 Hrs

**TIME:** 09AM-3:30PM

**Course Objectives:**

1. To provide a value addition and current requirement for the students in clinical research and pharmacovigilance.
2. To understand conceptualizing, designing, conducting, managing and reporting of clinical trials.
3. Also, to focus on global scenario of Pharmacovigilance in different methods that can be used to generate safety data.
4. To understand students in developing drug safety data in Pre-clinical, Clinical phases of Drug development and post market surveillance.

**Course Outcomes:**

1. To explain the regulatory requirements for conducting clinical trial Demonstrate the types of clinical trial designs.
2. To explain the responsibilities of key players involved in clinical trials Execute safety monitoring, reporting and close-out activities.
3. To explain the principles of Pharmacovigilance.
4. To detect new adverse drug reactions and their assessment Perform the adverse drug reaction reporting systems and communication in Pharmacovigilance.

  
Coordinator



  
Principal

1





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Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

## Schedule

Sr. No	Day & Date	Topic Covered	Speaker
1	19 <sup>th</sup> December 2022	Regulatory Perspectives of Clinical Trials: Origin and Principles of International Conference on Harmonization - Good Clinical Practice (ICH-GCP) guidelines Ethical Committee: Institutional Review Board.	<b>Dr. Sunita Ogale</b>
2	20 <sup>th</sup> December 2022	Clinical Trials: Types and Design Experimental Study- RCT and Non RCT, Clinical Trial Study Team Roles and responsibilities of Clinical Trial Personnel: Investigator, Study Coordinator, Sponsor, Contract Research Organization and its management	<b>Prof. Aakash Makwana</b>
3	21 <sup>st</sup> December 2022	Clinical Trial Documentation- Guidelines to the preparation of documents, Preparation of protocol, Investigator Brochure, Case Report Forms, Clinical Study Report Clinical Trial Monitoring.	<b>Prof. Amol More</b>
4	22 <sup>nd</sup> December 2022	Basic aspects, terminologies and establishment of pharmacovigilance History and progress of pharmacovigilance, Significance of safety monitoring, Pharmacovigilance in India. WHO and Regulatory terminologies of ADR.	<b>Prof. Amol More</b>
5	23 <sup>rd</sup> December 2022	Methods, ADR reporting and tools used in Pharmacovigilance Targeted clinical investigations and Vaccine safety surveillance.	<b>Prof. Aakash Makwana</b>

  
**Coordinator**



  
**Principal**







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## Attendance

Vishnu Waman Thakur Charitable Trust's  
VIVA INSTITUTE OF PHARMACY  
At. Shirgaon, Veer Savarkar Road, Virar (E),  
Taluka: Vashi, Dist. Palghar - 401305, Maharashtra.  
Attendance sheet for 5 days workshop on Basics in Clinical Research  
and Pharmacovigilance

FINAL YEAR BPHARM		Date: 19th -23rd December 2022			Time: 09AM- 3:30PM	
Roll No	Full Name of Student	Day 1	Day 2	Day 3	Day 4	Day 5
1	AMBULKAR SUSHANT TUKARAM SUNITA	P	P	P	P	P
2	BAMNE TANVI NARAYAN SHUBHANGI	P	P	P	P	P
3	BARJ RUTIKA RAJU VARSHA	P	P	P	P	P
4	BHANDARI SIDDHI PRASHANT MEGHANA	P	P	P	P	P
5	BHARATE ANISH JAYAWANT SANGEETA	P	P	P	P	P
6	CHAUGULE OMKAR ANAND ASHWINI	P	P	P	P	P
7	CHAUGULE PURVA DAYANAND EASHANA	P	P	P	P	P
8	CHAVAN KRUTIKA RAVINDEA CHHAYA	P	P	P	P	P
9	DARJE YASH KHUSHAL VAISHALI	P	P	P	P	P
10	DATAR SWARUPA PRAVIN VAIDEHI	P	P	P	P	P
11	DHAKTODE MAYURI LAXMAN SANGITA	P	P	P	P	P
12	GODAMBE PURVA BHUSHAN BHAGYASHRI	P	P	P	P	P
13	GOTAD RAHUL RAMESH ROSHAN	P	P	P	P	P
14	GUPTA SAHIL DHARMENDRA CHANDA	P	P	P	P	P
15	GUPTA VIKASH MANDESH MADHURAJA	P	P	P	P	P
16	GURAV SIDDHI VINAYAK VRIISHALI	P	P	P	P	P
17	KATHWAR PRAVIN AJI CHAND	P	P	P	P	P
18	KAMTHE SIDDHI DIP SHAILA	P	P	P	P	P
19	KASAR RUSHIKESH SHAMKANT SEEMA	P	P	P	P	P
20	KATE VAISHNAVI RANJIT SHUBHANGI	P	P	P	P	P
21	KHAMKAR JYOTIKA AJAY GEETA	P	P	P	P	P
22	KHOT MANDAR UDAY ANITA	P	P	P	P	P
23	KINI PRANAY HARESHWAR	P	P	P	P	P
24	KUDTARKAR PRATHAMESH BHIKAJI DHAKTI	P	P	P	P	P
25	KUSIWAHA DEEPAK GULABCHAND SHAKUNTALA	P	P	P	P	P
26	KUSHWAHA VAISHNAVI SURENDRA KUMAR SUNITA	P	P	P	P	P
27	LOKHANDE TEJAL NITIN VANDANA	P	P	P	P	P
28	LOTADE RASHMI RAJESH SNEHA	P	P	P	P	P
29	MAHALE MONIKA RAJESH RAJSHREE	P	P	P	P	P
30	MAK WANA KUCHITA VIJAY BHAVSHA	P	P	P	P	P
31	MANGELA DIPENDRA ARUN ANITA	P	P	P	P	P
32	MEHENDALE VENKATESH PRAMOD VARSHA	P	P	P	P	P
33	MISHRA SASHANK SURESH MALTI	P	P	P	P	P
34	MITHAVKAR VAISHNAVI VIKAS VARSHA	P	P	P	P	P
35	MOHITE RCHIT SAMBHARI SEEMA	P	P	P	P	P
36	MUNDE ALKA ANKUSH KONCABAI	P	P	P	P	P
37	NALAWADE MADHURA MARUTI SANGEETA	P	P	P	P	P
38	NETKAR DHANSHREE ANIL JYOTI	P	P	P	P	P
39	NIRMAL PRANAY RAJESH SAVITA	P	P	P	P	P
40	PACHARE SHRUTI SANJAY ARUNA	P	P	P	P	P
41	PAHURKAR SHREYA PRAKASH LAXMI	P	P	P	P	P
42	PAKHURDE PAURNMA HARISHCHANDRA HARSHADA	P	P	P	P	P
43	PANDEY ADITYA ANIL KUMAR SANYOGITA	P	P	P	P	P





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Roll No	Full Name of Student	Day 1	Day 2	Day 3	Day 4	Day 5
44	PARAMBIL ADARSH JAYAKUMAR REHANA	P	P	P	P	P
45	PATEL AAMIR MUSTAK MUMTAZ	P	P	P	P	P
46	PATEL JANHAVI NANDKISHOR PRAVINA	P	P	P	P	P
47	PATIL MAITRI VILAS VISHAKHA	P	P	P	P	P
48	PATIL MUKTI ARVIND VANDANA	P	P	P	P	P
49	PATIL VED MADHUKAR MANGALA	P	P	P	P	P
50	PATWA SHALINI PANNALAL SANGEETA	P	P	P	P	P
51	PATWARDHAN NEHAR SHYAM SANJANA	P	P	P	P	P
52	PAWAR JYOTI RAJARAM LAXMI	P	P	P	P	P
53	PRAJAPATI HIMAT BIJENDRA ANITABEN	P	P	P	P	P
54	RANE SHREYAS RAJESH RACHNA	P	P	P	P	P
55	RATHOD NANDINI NAGRAJ USHA	P	P	P	P	P
56	RAUT NIMISHA KUMAR DARSHANA	P	P	P	P	P
57	RAVAL MASOOM BHAVESH ARCHANA	P	P	P	P	P
58	RAVATE VINOD SAKHARAM INDU	P	P	P	P	P
59	RAWAT AMIT CHANDRAMOHAN ANITA	P	P	P	P	P
60	SAHA ANKITA DAMALESHWAR MOUMITA	P	P	P	P	P
61	SANAP MADHURI SANJAY KUSUM	P	P	P	P	P
62	SANKHE PRAJYOTI SANJAY SALONI	P	P	P	P	P
63	SAWANT SHREYA RAMESH REENA	P	P	P	P	P
64	SHELKE AKASH BALU	P	P	P	P	P
65	SHETTY SVIKRUT SATISH VIDYA	P	P	P	P	P
66	SINGH KUNAL ARUN SAVITRI	P	P	P	P	P
67	SISODIA ATHARVA RATAN APARNA	P	P	P	P	P
68	SOLANKI PRATIKSINH RAJENDRASINH	P	P	P	P	P
69	SURVE NEHA VINOD VRUSHALI	P	P	P	P	P
70	TATE PRATIK SHIVAJI VANDANA	P	P	P	P	P
71	THANKE ANIKET VIJAY SANGEETA	P	P	P	P	P
72	TIRKHA ESHA RAJU ASMITA	P	P	P	P	P
73	TIWARI EKTA JITENDRA RATAN	P	P	P	P	P
74	UPADHYAY RISHIKA VIJAY NEELAM	P	P	P	P	P
75	UPADHYAY SHIVAM ARVIND INDU	P	P	P	P	P
76	VAREKAR SUSHANT SUDHAKAR PRATIBHA	P	P	P	P	P
77	VICHARE SHUBHAM KISHOR KRUPALI	P	P	P	P	P
78	WADKAR HARSHADA SUBHASH SUBHADA	P	P	P	P	P
79	YADAV PRIYA BHARAT MANJU	A	A	A	A	A
80	YADAV SUSHANT MANILAL KAUSHILYA	P	P	P	P	P
81	YADAV VIKAS OMPRAKASH INDUDEVI	P	P	P	P	P

Coordinator



Principal







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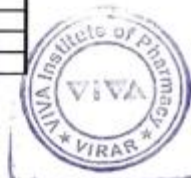
Vishnu Waman Thakur Charitable Trust's  
VIVA INSTITUTE OF PHARMACY  
At. Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar - 401305, Maharashtra.

Attendance sheet for 5 days workshop on Basics in Clinical Research  
and Pharmacovigilance  
THIRD YEAR B.PHARM

Date: 19th -23rd  
December 2022

Time: 09AM-  
3:30PM

Roll No	Full Name of Student	Day 1	Day 2	Day 3	Day 4	Day 5
1	AGHAV PAWAN VISHNU SHOBHA	P	P	P	P	P
2	ANSARI AMEERHAMZA IRSHAD AMINA	P	P	P	P	P
3	BAIT JAGRUTI SAKHARAM SUNITA	P	P	P	P	P
4	BANDRE ASHISH VINOD VANITA	P	P	P	P	P
5	BARNAWAL AKASH RAJESH KIRAN	P	P	P	P	P
6	BHAVE RAJ RAJENDRA SONALI	P	P	P	P	P
7	BHOIR ESHA NITIN NEETA	P	P	P	P	P
8	BHOIR MANJIRI HARESHWAR SANJIVANI	P	P	P	P	P
9	BHOIR MRUNAYEE KASHINATH KANCHAN	P	P	P	P	P
10	CHOWKEKAR SHRADDHA CHANDRAKANT	P	P	P	P	P
11	DEVALE MANALI KRISHNA NIRMALA	P	P	P	P	P
12	DHAMAL ASHWIN DILIP KALPANA	P	P	P	P	P
13	DIWEKAR PRACHITI ROHIDAS LAXMI	P	P	P	P	P
14	DIXIT BHAKTI RAJEEV PRATIBHA	P	P	P	P	P
15	GALANDE KSHITUA ANIL KRANTI	P	P	P	P	P
16	JADHAV OMKAR MANGAL ANITA	P	P	P	P	P
17	JAIN LAXMI VINOD PRITI	P	P	P	P	P
18	JAMADAR MOHAMMAD SHADAB ABDUL	P	P	P	P	P
19	SHAKIL FEHMIDA	P	P	P	P	P
20	JIKAMDE ADITI SHAILESH SHRADDHA	P	P	P	P	P
21	KAVE NIKITA NITIN GEETA	P	P	P	P	P
22	KHAN MOHAMMAD ISMAIL MAZIBUR	P	P	P	P	P
23	RAHMAN	P	P	P	P	P
24	KORE ROHINI VIJAYKUMAR CHHAYA	P	P	P	P	P
25	KORI URVESH LALBAHADUR REKHA	P	P	P	P	P
26	KUMBHAR ANUSHKA MAHESH DIPALI	P	P	P	P	P
27	KUMBHAR GAYATRI SHARAD SANGITA	P	P	P	P	P
28	KURMI MANISH VINOD KIRAN	P	P	P	P	P
29	MAHADIK MANALI DATTARAM SHWETA	P	P	P	P	P
30	MANKAR BHAVISHA HARESHKUMAR PRITI	P	P	P	P	P
31	MHATRE SAYALI SANTOSH DIPALI	P	P	P	P	P
32	MISHRA RIDDHI RAMAKANT SUNITA	P	P	P	P	P
33	MISHRA SHIVANSHU BIRENDRA SUDHA	P	P	P	P	P
34	MISTRY YASH KISHOR BHARTI	P	P	P	P	P
35	MORYA SUJIT DHARMENDRAKUMAR	P	P	P	P	P
36	NANAVARE YASHIKA ANIL POOJA	P	P	P	P	P
37	PANCHAL JAY RAKESHBHAI HARSHIDABEN	P	P	P	P	P
38	PANDEY SHUBH ASHISHKUMAR SUDHA	P	P	P	P	P
39	PARAB YOGESH SANTOSH SRUSHTI	P	P	P	P	P
40	PARMAR LAVISH NARESH DAMAYANTI	P	P	P	P	P
41	PATEL JANAVIE RAKESHBHAI PRITIBEN	P	P	P	P	P
42	PATIL CHINMAYEE NARENDRA APARNA	P	P	P	P	P
43	PATIL MANASVI RAKESH MEENA	P	P	P	P	P
44	PAWAR DHANASHREE SANTOSH SEJAL	P	P	P	P	P
45	PAWAR OM MANGESH SUNANDA	P	P	P	P	P
46	PAWAR POORNIMA AJIT AMITA	P	P	P	P	P







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Roll No	Full Name of Student	Day 1	Day 2	Day 3	Day 4	Day 5
45	PIMPODKAR JESAL VIJAY SUNITA	P	P	P	P	P
46	PUJARI NEHA PUSHKAR PUSHPA	P	P	A	P	P
47	RAKVI PIYUSHA GAJENDRA VAISHALI	P	P	A	P	P
48	SANKHE SIDDHIKESH MAHESH MANASI	P	P	P	P	P
49	SAWANT SHRADDHA HANUMANT USHA	P	P	P	P	P
50	SHAH DHWANI HITESH SEEMA	P	P	P	P	P
51	SHAH JAINAM MAHENDRA SUDHA	P	P	P	P	P
52	SHAIKH TAIBA FIROJ ANISHA	P	P	P	P	P
53	SHINDE KOMAL SUNIL SAKSHI	P	P	P	P	P
54	SHINDE PRADNYA UDAY ULKA	P	P	P	P	P
55	SHITKAR MANAV MAHESH VANDANA	P	P	P	P	P
56	SHUKLA NIKITA SURENDRA ANJU	P	P	P	P	P
57	SINGH VINAYAK ANILKUMAR MANJU	P	P	P	P	P
58	SOLMINDE GAYATRI SHIVAJI VENKETRAO	P	P	P	P	P
59	SURYAVANSHI KOMAL JAIVANT SUMAN	P	P	P	P	P
60	TAMBE TANUSHREE DEEPAK ANJALI	P	P	P	P	P
61	THATIPAMULA SOUMYA RAMESH APARNA	P	P	P	P	P
62	VENGURLEKAR DIVYAL MANGESH	P	P	P	P	P
63	YADAV ROHIT SUBHASH MANJU	P	P	P	P	P
64	DIXIT DIKSHA RAMCHANDRA KIRTI	P	P	P	P	P
65	AREKAR MAYURESH MANGESH MANSI	A	P	P	P	P
66	BETHU POOJA GANESH UMA	P	P	P	P	P
67	BODKE SAKSHI MADHUKAR SHUBHANGI	P	P	P	P	P
68	CHALKE RITIKA RAJENDRA ROSHNI	P	P	P	P	P
69	DANDU RUCHITA SANJEEV TULSIBAI	P	P	P	P	P
70	PATIL ANKITA SURESH SUJATA	P	P	P	P	P
71	PATIL RUTUJA KISHOR VRUSHALI	P	P	P	P	P
72	RAJPUT AYUSH RAMESHSINGH RUPALI	P	P	P	P	P
73	SAHU ANAMIKA BASANTLAL VANDANA	P	P	P	P	P
74	SINGH KOMAL ABHAYRAJ REENA	P	P	P	P	P
75	SINGH SAKSHI RAJESH MEENA	P	P	P	P	P
76	THAKOR KEYURSINH HEMANTSINH VIDYA	P	P	P	P	P

Coordinator



Principal





# Vishnu Waman Thakur Charitable Trust's **VIVA Institute of Pharmacy**

Approved by PCI, AICTE (New Delhi), DTE (Government of Maharashtra),  
and Affiliated to University of Mumbai

## Photographs



**Speakers delivering lecture on Various Topics in Clinical Research & Pharmacovigilance**







Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Pharmacy**

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## Certificate





**Vishnu Waman Thakur Charitable Trust's**  
**VIVA Institute of Pharmacy**

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and Affiliated to University of Mumbai

**4) Add on /Certificate /Value added programs offered in Academic  
Year 2019-2020**

<b>Name of Add on /Certificate /Value added programs offered</b>	<b>Duration of Course</b>	<b>Date</b>	<b>Total Number of Students enrolled the course in the year</b>	<b>Total Number of Students enrolled the course in the year</b>
Handling of Laboratory Animals	30 Hrs	04/11/2019 to 08/11/2019	127	127





# Vishnu Waman Thakur Charitable Trust's **VIVA Institute of Pharmacy**

Approved by PCI, AICTE (New Delhi), DTE (Government of Maharashtra),  
and Affiliated to University of Mumbai

## 5) Report

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

Date: 11/11/2019

### **Report on 5 Days workshop on Handling of Laboratory Animals**

#### **Day 1: Introduction and Methods of Lab Animal Handling**

The 5-day workshop on "Handling Laboratory Animals" conducted at VIVA Institute of Pharmacy, Virar, aimed at providing a comprehensive understanding of ethical, safe, and effective methods for handling animals in a laboratory setting. The first day was focused on introducing participants to the subject and teaching fundamental techniques for handling laboratory animals.

An opening address by the Principal, Dr. Sunita Ogale, emphasizing the importance of ethical treatment and welfare of laboratory animals. Presentations on the principles of laboratory animal care and the 3 Rs (Replacement, Reduction, and Refinement). Demonstrations and hands-on training on the proper techniques for handling different species of laboratory animals. Discussion of the significance of record-keeping and documentation in animal research.

#### **Day 2: Routes of Administrations for Animals**

The second day of the workshop was dedicated to the various routes of administration used in laboratory animal research. Participants learned about the different methods for delivering substances to animals in a precise and humane manner. Key topics covered included: Presentations on oral, intravenous, intraperitoneal, subcutaneous, and intramuscular routes of administration. Practical demonstrations of each route, including proper techniques, equipment, and safety precautions.

#### **Day 3: Abnormal Behavior of Animals**

On the third day, participants delved into the study of abnormal behavior in laboratory animals, which is crucial for recognizing signs of distress and discomfort in research subjects. Highlights of the day included: Presentations on common indicators of stress, pain, and abnormal behavior in laboratory animals. Practical exercises to recognize and assess these behaviors, including changes in body posture, vocalizations, grooming habits, and feeding patterns. Discussion of the ethical implications and strategies for minimizing stress and discomfort in research animals.



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# Vishnu Waman Thakur Charitable Trust's **VIVA Institute of Pharmacy**

Approved by PCI, AICTE (New Delhi), DTE (Government of Maharashtra),  
and Affiliated to University of Mumbai

Late Shri Vishnu Waman Thakur Charitable Trust's

**VIVA INSTITUTE OF PHARMACY**

At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

## Day 4: Possible Health Hazards in Contact with Lab Animals

The fourth day of the workshop focused on health and safety considerations when working with laboratory animals. Attendees were educated about the potential health hazards and effective measures to prevent zoonotic diseases and allergies. Training on proper hygiene practices, waste disposal, and decontamination procedures. Strategies for creating a safe and clean working environment in the animal facility.

## Day 5: Methods of Euthanasia

The final day of the workshop dealt with the sensitive topic of euthanasia, emphasizing the humane and ethical aspects of ending the life of laboratory animals when necessary. Highlights included: Detailed discussions of various euthanasia methods, including physical methods, inhalant anesthetics, and injectable agents.

In conclusion, the 5-day workshop on "Handling Laboratory Animals" provided participants with a well-rounded understanding of the ethical, practical, and safety aspects of working with laboratory animals. Attendees left with valuable knowledge and skills to ensure the welfare of research animals and maintain the highest standards of care and ethical research practices.

  
**Coordinator**



  
**Principal**







Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Pharmacy**

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and Affiliated to University of Mumbai

## Notice

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At. Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

Ref: VIVA/VIP/OFF/244/2019-20

Date: - 30/10/19

### NOTICE

All the Teaching, Non – Teaching staff members and students  
of Third Year B Pharm & Final Year B Pharm are hereby informed that  
5 days certificate course on 'Handling of Laboratory Animals' is  
organized from 04/11/2019 to 08 /11 /2019

Venue: VIVA Institute of Pharmacy, Virar

Room no: D-005

Animal House: D-216

Time: 9.00 am to 3.30 pm

  
Coordinator



  
Principal





Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Pharmacy**

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and Affiliated to University of Mumbai

## Syllabus

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

**NAME OF THE COURSE:** 5 Days Certificate course on Handling of Laboratory Animals

**DATE OF COURSE:** 04/11/2019 to 08/11/2019

**TIME:** 9.00 am to 3.30 pm

**DURATION:** 30 Hrs.

➤ **Course Objectives:**

- 1) To provide basic knowledge on handling of laboratory Animals like Mice, Rats.
- 2) To have a proper knowledge on the legislations, Ethics, and about the rules & regulations of CPC SEA.
- 3) Training also provides the information about IAEC approvals while conducting research work on laboratory animals.

➤ **Course Outcome:**

Upon successful completion, students will have the knowledge about:

- 1) To understand the species, specific biology of laboratory Animals.
- 2) Maintenance of laboratory animals with proper diet and facilities.
- 3) Environmental factors that may influence animal Experiments.

  
**Coordinator**



  
**Principal**





**Vishnu Waman Thakur Charitable Trust's**  
**VIVA Institute of Pharmacy**

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Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

**SCHEDULE**

Sr No.	Day & Date	Topic Covered	Name of the speaker
1	03/11/2019	Appropriate methods & principles of handling animals & describe common techniques procedures including administration and sampling techniques. Describing the basic biology of the relevant animal species, including basic anatomy, physiology, reproduction & behavior, & recognize the importance of attending to biological & behavioral needs.	Dr Sunita Ogale
2	04/11/2019	Various routes of administration & to describe about the importance providing acclimatizing environment to laboratory animals & also monitoring of appropriate health status for the animals.	Ms. Ruchita Dhangar
3	05/11/2019	Describe abnormal behavior & signs of discomfort, pain, suffering or distress & also monitor the microbiological health of laboratory animals.	Ms. Tanvi Pingale
4	06/11/2019	Listing of potential human health hazards associated with contact with laboratory animals & describe how these can be prevented or reduced.	Ms. Ruchita Dhangar
5	07/11/2019	Define the term "Humane killing" & list appropriate Euthanasia, methods for the relevant animal species & recognize the choice of Euthanasia method may influence the scientific outcomes.	Ms. Tanvi Pingale

❖ Note: Practical demonstrations are scheduled in post lunch session.

  
Coordinator



  
Principal







# Vishnu Waman Thakur Charitable Trust's VIVA Institute of Pharmacy

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## Attendance

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At. Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

**Academic Year 2019-20**  
**Attendance sheet**  
**Handling of Laboratory Animals**  
04/11/2019 to 08/11/2019, 9.00 am to 3.30 pm  
**Final Year B.Pharm**

Roll. No	Name of the Students	Day 1	Day 2	Day 3	Day 4	Day 5
1	ADE NITIN SURESH ASHA	P	P	P	P	E
2	ANGANE PRASAD CHANDRAKANT POOJA	P	E	P	P	P
3	APTEKAR VISHAKHA PRASHANT PRACHI	P	P	P	P	P
4	BAND MANDAR DEEPAK JYOTI	P	P	P	P	P
5	BHANUSHALI NIDHI NARESH PREETI	P	P	P	P	P
6	BHOSLE NEHA SACHINDRA KALPANA	P	P	P	P	E
7	CHAUDHARI TEJASWINI VINAYAK JYOTI	P	P	P	P	E
8	DESHPANDE RIDDHI YASHODHAN SMITA	E	P	P	P	P
9	DIXIT GARGI MANGESH SUREKHA	P	E	P	P	P
10	GHARAT RUCHITA RAM RUSHALI	P	P	P	P	P
11	GIJARE AKANKSHA BALU	P	P	E	P	P
12	GUPTA ANUP DILIP SAVITRI	P	P	E	P	P
13	GUPTA JAYESH RAMESH SONI	P	P	P	P	P
14	GUPTA RAKESH KANHAIYALAL INDRAVATI	P	P	P	P	P
15	JAIN RAJVI LALIT LATA	P	P	P	E	P
16	JOSHI KOMAL BAJRANG MANJU	P	P	E	P	E
17	JOSHI RUCHITA MAHESH VAISHALI	P	P	P	P	P
18	KAMBALE NAMRATA PRADEEP LATA	E	P	P	P	P
19	KAREKAR VAISHNAVI VISHWAS TANVI	E	P	P	P	P
20	KESARWANI SIMRAN ASHOK SANGEETA	P	P	P	P	P
21	KORE MIKHIL SANTOSH SUPRIYA	P	P	P	P	P
22	KORLEKAR PRANALI PRAMOD SNEHA	P	P	P	E	P
23	KUNDAP SHIVANI VIKAS SATYAVATI	P	P	P	P	P
24	MAINGADE NIKITA VASANT VARSHA	P	P	P	P	P
25	MASAL SHUBHANGI MAHADEV KANTA	P	P	P	P	P
26	MAURYA RAJESHWARI AKHILESH RAJKUMARI	P	P	P	P	P
27	MEHER ATMAJA ABHAY VANDANA	P	E	P	P	P
28	MISHRA RISHABH SANJAY MEERA	P	P	P	P	P
29	NOUDIYAL PRATIKSHA SUNIL VIDYAL	P	E	P	P	P
30	JAIN MEENAKSHI JITENDRA GEETA	P	P	P	P	P
31	PARIHAR NIRAJ JIVRAM	P	E	P	P	P
32	PATEL JAIMEEN JAYESH RITABEN	P	P	P	P	E
33	PATIL DARSHAN KAMALAKAR USHA	P	P	P	P	E
34	PATIL MRUNAL KUMAR KANCHAN	P	P	P	P	P
35	PATIL PRACHI PRAKASH ANJU	P	P	P	P	P
36	PATIL TRUPTI BALKRISHNA SUNANDA	P	E	P	P	P
37	PAWAR ALPIKA ASHOK ANITA	P	P	P	E	E
38	PRAJAPATI SHUBHAM BANSHRAJ RITA	E	P	P	P	P
39	RANE SAMARTH PRAMOD SANDHYA	P	P	E	P	P
40	RUPARELIYA VIMAL PRAVINBHAI RASILABEN	P	P	P	P	P
41	SHAIKH MAAZ ARIF RUKHSANA	P	E	P	P	P





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Roll. No	Name of the Students	Day 1	Day 2	Day 3	Day 4	Day 5
		P				
42	SHAIKH MOHD FAREED MOHD FIROZ ASIYA	P	P	P	P	E
43	SHARMA MANISH KUMAR ARUN RITA	P	P	P	P	P
44	SHINDE PRACHI KISHOR KAVITA	P	P	P	P	P
45	SHIRODKAR SANKET SUNIL SARITA	P	P	P	P	P
46	SINGH RICHHA MANOJ KIRAN	P	P	P	P	P
47	SINGH SHRISHTI VIRENDRA KIRAN	P	P	P	P	P
48	SURYAVANSHI KIRAN RAJU LAXMI	P	P	P	E	E
49	SURYAVANSHI SHREYA DEEPAK MANISHA	P	P	P	P	P
50	TAMHANKAR SAMPADA PRAKASH PRIYANKA	P	P	P	P	P
51	TELANGTE TEJAS SURESH INDRA YANI	P	E	E	P	P
52	TIWARI SHIKHA KRISHNA KUMAR SANJU	P	P	P	P	P
53	UIKEY SANKET SHIVPRASAD REETA	P	P	P	P	P
54	WAGHCHAURE PRANIT SUNIL MANISHA	P	P	E	P	P
55	YADAV SACHIN RAJKUMAR RASILADEVI	P	E	P	P	P
56	YADAV SURAJ SABHAJEET RENU	P	P	P	P	E

Name & Signature of Co ordinator

Principal







# Vishnu Waman Thakur Charitable Trust's VIVA Institute of Pharmacy

Approved by PCI, AICTE (New Delhi), DTE (Government of Maharashtra),  
and Affiliated to University of Mumbai

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At. Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

Academic Year 2019-20

ATTENDANCE SHEET

Handling of Laboratory Animals

04/11/2019 to 08/11/2019, 9.00 am to 3.30 pm

Third Year B.Pharm

Sr.No	Name of the Students	Day 1	Day 2	Day 3	Day 4	Day 5
1	AVHAD SHUBHANGI ANNASAHEB SUNITA	P	P	P	P	P
2	BANIYA NITISH DAYANAND SONI	P	P	P	P	P
3	BARORA HETAL AJIT NUTAN	P	P	P	P	P
4	BHAGAT TUSHAR KONDIBHAU	P	P	P	P	P
5	BHALERAO MOHIT SHANKAR	P	P	P	P	P
6	BHARTI JAYHIND LALCHAND PRABHAVATI	P	P	P	P	P
7	BHOSALE PRATIKSHA UTTAM	P	P	P	P	P
8	BODHANI SAURAV ANIL	P	P	P	P	P
9	BOTADARA VIRATI RAJNIKANT NIMISHA	P	P	P	P	P
10	CHAUDHARI MONALI BALURAM KUMUD	P	P	P	P	P
11	CHAURASIA DIWAKAR RAMYASH	P	P	P	P	P
12	CHITALKAR JYOTI TUKARAM	P	P	P	P	P
13	CHODANKAR AKHILESH VINAY SAHILI	P	P	P	P	P
14	DESLE KAUSTUBH ASHOK ASHWINI	P	P	P	P	P
15	DHAGE PRIYANKA RAJENDRA	P	P	P	P	P
16	DHUMALE AMOL BHAGOJI	P	P	P	P	P
17	DHURE MADHURI SUNIL SUNITA	P	P	P	P	P
18	GAJARE PAYAL NATHU	P	P	P	P	P
19	GHUGE DIKSHA RAMESH	P	P	P	P	P
20	GUPTA KAJAL RADHESHYAM RENU	P	P	P	P	P
21	GUPTA KRISHNA RAJENDRA	P	P	P	P	P
22	JAIN NIKI RAJIV SHARDA	P	P	P	P	P
23	JANGID MAYA KALURAM MANJU	P	P	P	P	P
24	JHAMB RAHUL SANJAY POOJA	P	P	P	P	P
25	JUVALE MAZIN EIRFAN MAHMOOD RIZWANA	P	P	P	P	P
26	KADAM POOJA PANDURANG MANISHA	P	P	P	P	P
27	KANCHAN DISHA NARAYAN SUDHA	P	P	P	P	P
28	KHULE NIKITA NITIN SHITAL	P	P	P	P	P
29	LOLAGE ASHWINI SURYAKANT SUPRIYA	P	P	P	P	P
30	MANDAVLE AMEY RAJESH SUCHITA	P	P	P	P	P
31	METRE SAIDEEP ASHOK SULAKSHANA	P	P	P	P	P
32	MHATRE DIPESH VIJAY	P	P	P	P	P







# Vishnu Waman Thakur Charitable Trust's VIVA Institute of Pharmacy

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Sr.No	Name of the Students	Day 1	Day 2	Day 3	Day 4	Day 5
33	MHATRE SAKSHI JAGDISH NETRA	A	P	P	P	P
34	MHATRE SAMEEKSHA DEVANAND	P	P	P	P	P
35	MISHRA RISHABHA VINOD RITA	P	P	P	P	P
36	MISHRA VISHAL SHIVKUMAR SUNITA	P	P	P	P	P
37	MISHRA RUPAM ANIL ANITA	P	P	A	P	P
38	MISHRA SANDHYA SANJEEV KUSUM	P	P	P	P	P
39	MOHITE GAURI SUBHASH SHIVANI	P	A	P	P	P
40	NILEKAR CHAITALI ANIL RATNAPRABHA	P	P	P	P	P
41	NISHAD ANKITA RUDAL USHA	P	P	P	P	P
42	PAKHARE ABHISHEK TANAJI	P	P	P	P	P
43	PATEL JAYMIN PARESH MANISHA	P	P	P	P	P
44	PATEL TANUJA SURENDRA KOMIL	P	P	P	A	P
45	PATIL TWINKLE SURESH MANJU	P	P	P	P	A
46	PATIL ABHISHEK AMIT NEETA	P	P	P	P	P
47	PATIL DHANSHREE SHIVRAM SMITA	P	P	P	P	P
48	PATIL HEETANSHU PRADEEP PRITI	A	P	P	P	P
49	PATIL SAMRUDDHI SUJIT SONALI	P	P	P	P	P
50	PATIL SENENDRA KIRAN BHAGYASHREE	P	P	P	P	P
51	PAWAR SHRUTI SUDHIR SUGANDHA	P	P	P	P	P
52	PRAJAPATI JAY MAHESH DAKSHA	A	P	P	P	P
53	SAGAR AKASH RAJENDRA SHOBHA	P	P	P	P	P
54	SIDDIQUI MOHAMMED TALHA MUSTAFA NASREENBANO	P	A	P	P	P
55	SINGH SNEHAL MANBODH	P	P	P	P	P
56	SONALKAR MIZAB ILYAS TANVIZ	P	P	P	P	P
57	SURVE VARUN SHRIRAM URMILA	P	P	P	P	P
58	SUTHAR DINESH SURESH FANCY	P	P	P	A	P
59	TATKARE RAKHI ANIL ANKITA	P	P	P	P	A
60	TELI SHRIYA KRISHNAJI SNEHA	P	P	P	P	A
61	TEMBHARE ASHWINI DURYODHAN	P	P	P	P	P
62	THAKUR ANIKET RAJUSINGH GEETA	P	P	P	P	P
63	TIWARI GAURAVKUMAR DINESHCHANDRA NAGINA	P	P	P	P	A
64	USANKAR RICHKA AJAY VARSHA	P	P	P	P	P
65	UTEKAR KUNAL SHASHIKANT VARSHA	P	P	P	P	P
66	VAISHNAV GOVINDAS MANGILAL LEELA	P	A	P	P	P
67	VAITY PRANJAL HARENDRA ROHINI	P	A	P	P	P
68	VEDPATHAK SAKSHI KISHOR ANITA	P	P	P	P	P
69	WAGHERE SIDDHESH DYANDEV SUSHILA	P	P	P	P	P
70	YADAV KAJAL RAMAWADH SHAKUNTALA	P	P	P	P	P
71	ZENDE RITU RAVINDRA RANJANA	P	P	A	P	P

Name & Signature of Co ordinator



Principal

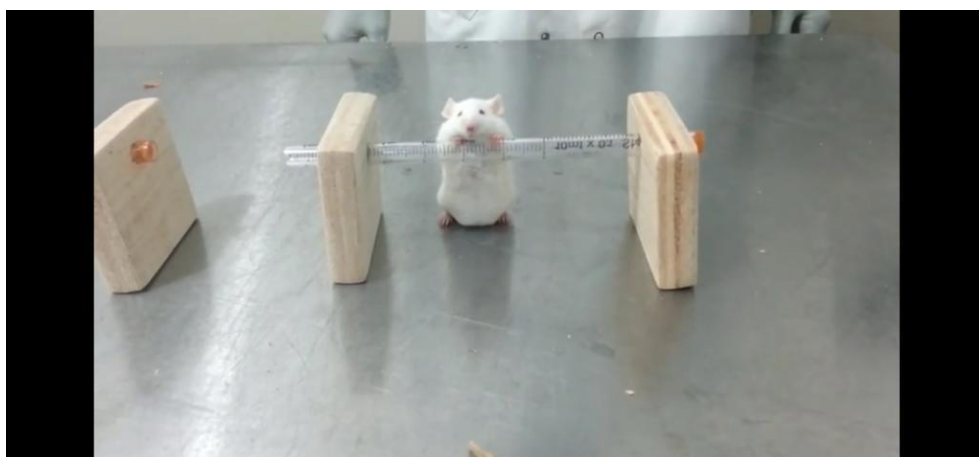




# Vishnu Waman Thakur Charitable Trust's **VIVA Institute of Pharmacy**

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## Photographs



Demonstration of Animal Handling





Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Pharmacy**

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## Certificate





**Vishnu Waman Thakur Charitable Trust's**  
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**6) Add on /Certificate /Value added programs offered in Academic  
Year 2018-2019**

<b>Name of Add on /Certificate /Value added programs offered</b>	<b>Duration of Course</b>	<b>Date</b>	<b>Total Number of Students enrolled the course in the year</b>	<b>Total Number of Students enrolled the course in the year</b>
Fundamentals of Dissolution	30 Hrs	03/12/2018 to 07/12/2018	123	123





# Vishnu Waman Thakur Charitable Trust's **VIVA Institute of Pharmacy**

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## 7) Report

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

Date: 10/12/2018

### **Report on 5 Days workshop on Fundamentals of Dissolution Testing**

5 Days workshop on Fundamentals of Dissolution Testing was organized at VIVA Institute of Pharmacy, Virar (East).

#### **Day 1: Introduction**

The 5-day workshop on the fundamentals of dissolution testing commenced on [start date], providing a comprehensive overview of dissolution testing techniques and applications. The first day was dedicated to introducing participants to the key concepts and principles of dissolution testing. Key highlights of the day included:

An opening address by the Principal & HOD, outlining the objectives and importance of dissolution testing in pharmaceutical development and quality assurance.

Discussions on the fundamental theories and methodologies behind dissolution testing, focusing on the concept of drug release from pharmaceutical dosage forms. An overview of dissolution apparatus, media, and experimental conditions.

#### **Day 2: Sampling Analysis**

On the second day of the workshop, participants delved deeper into the practical aspects of dissolution testing, focusing on sampling and analysis techniques. Highlights of the day included: Detailed presentations on the importance of sample collection, preparation, and analysis in dissolution testing. Hands-on demonstrations of sampling techniques and equipment commonly used in the pharmaceutical industry. Discussions on the various analytical methods used to quantify drug dissolution, UV-Vis spectroscopy techniques. Practical exercises to simulate sample collection and analysis under different dissolution conditions.

#### **Day 3: Quality Control**

The third day of the workshop was dedicated to quality control in dissolution testing, emphasizing the importance of adhering to regulatory guidelines and ensuring the reliability of test results. Key topics covered included: Regulatory requirements and guidelines governing dissolution testing in pharmaceuticals. Strategies for method validation and verification to ensure data accuracy and reproducibility. Discussions on the design and



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# Vishnu Waman Thakur Charitable Trust's **VIVA Institute of Pharmacy**

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Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

execution of dissolution testing as part of product quality control. Case studies showcasing the significance of quality control in ensuring product consistency and meeting regulatory requirements.

#### Day 4: Case Studies and Applications

Day four of the workshop involved real-world case studies and practical applications of dissolution testing in the pharmaceutical industry. Highlights included:

Presentation of case studies illustrating the use of dissolution testing in formulation development and assessment of generic drug equivalence. Discussions on how dissolution testing data can be used to optimize drug formulation and predict in vivo behavior. Group exercises and interactive sessions involving participants in the analysis of pharmaceutical formulations and interpreting dissolution profiles. Exploration of the challenges and solutions encountered in the industry through case examples.

#### Day 5: Recent Advances in Dissolution

The final day of the workshop was dedicated to exploring the latest advances and innovations in the field of dissolution testing. Participants were exposed to cutting-edge technologies and research. In conclusion, the 5-day workshop on the fundamentals of dissolution testing provided participants with a comprehensive understanding of this critical pharmaceutical technique. Attendees left with valuable insights, practical skills, and knowledge of the latest trends, making them better-equipped professionals in the field of pharmaceutical development and quality assurance.

  
**Coordinator**



  
**Principal**







Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Pharmacy**

Approved by PCI, AICTE (New Delhi), DTE (Government of Maharashtra),  
and Affiliated to University of Mumbai

## Notice

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At. Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

**Ref: VIVA/VIP/OFF/734A - 2018-19**

**Date: - 22/11/18**

### NOTICE

All the Teaching, Non – Teaching staff members and students of Third Year B Pharm & Final Year B Pharm are hereby informed that 5 days certificate course on 'Fundamentals of Dissolution' is organized from 03/12/2018 to 07 /12 /2018

Venue: VIVA Institute of Pharmacy, Virar

Room no: D-005

Pharmaceutics Lab No-305

Time: 9.00 am to 3.30 pm

  
Coordinator



  
Principal





# Vishnu Waman Thakur Charitable Trust's **VIVA Institute of Pharmacy**

Approved by PCI, AICTE (New Delhi), DTE (Government of Maharashtra),  
and Affiliated to University of Mumbai

## Syllabus

Late Shri Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF PHARMACY**  
At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

**NAME OF THE COURSE:** Certificate course Fundamentals of Dissolution

**DATE OF COURSE:** 03/12/2018 to 07/12/2018

**TIME:** 9.00am to 3.30 pm

**DURATION:** 30Hrs

➤ **Course Objectives:**

- 1) An overview of the different types of dissolution apparatus.
- 2) Provide an overview of the different types of dissolution apparatus & experimental set up.
- 3) Sampling analysis & Quality control and validation.

➤ **Course Outcome:**

Upon successful completion, students will have the knowledge about:

- 1) To understand the different types of dissolution apparatus
- 2) To understand different types of dissolution apparatus & experimental set up.
- 3) To understand Sampling analysis & Quality control and validation

  
**Coordinator**



  
**Principal**





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At: Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

**SCHEDULE**

Sr No	Day & Date	Topic Covered	Name of the speaker
1	03/12/2018	Introduction to Dissolution Testing Apparatus Overview Instrumentation and Components Experimental Setup Test Conditions and Procedures	Prof. Sanghadeep Gajbhiye
2	04/12/2018	Sampling and Analysis Dissolution Profiles Regulatory Requirements	Prof. Priti Patil Prof. Akkshata Parab
3	05/12/2018	Quality Control and Validation Challenges and Troubleshooting	Prof. Neha Laxane Prof. Pallavi Duse
4	06/12/2018	In Vitro-In Vivo Correlation (IVIVC) Case Studies and Applications	Prof. Sushruta Mulay
5	07/12/2018	Recent Advances and Technologies Future Directions and Challenges Questions and Discussion	Prof. Sanghadeep Gajbhiye

\* Note: Practical demonstrations are scheduled in post lunch session

  
Coordinator



  
Principal





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## Attendance

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VIVA INSTITUTE OF PHARMACY  
At. Shirgaon, Veer Sawarkar Road, Virar (E),  
Taluka: Vasai, Dist. Palghar-401305, Maharashtra.

Academic Year 2018-19  
ATTENDANCE SHEET  
Fundamentals of Dissolution  
03/12/2018 to 07/12/2018, 9.00 to 3.30 pm  
Final Year B.Pharm A.Y.2018-19

Roll No	Student Name	Day 1	Day 2	Day 3	Day 4	Day 5
1	AHIRE RAJAN ASHOK PRAMILA	P	P	P	P	P
2	ATTAR REHAN ABDULREHMAN SHABANA	P	P	P	P	P
3	BADANI YASH BHAVIN ALKA	P	P	P	P	P
4	BADE SHEETAL SANJAY SULOCHNA	P	P	P	P	P
5	BANSODE TRUPTI MAHADEV SINDHU	P	P	P	P	A
6	BARI BRIJAL NILESH JAGRUTI	P	P	P	P	P
7	BHADVIA DEEPAK SUNIL INDIRA	P	P	P	P	P
8	BHAVSAR AASHRAY SATISH ROHINI	P	P	P	P	P
9	CHAWDA VIDHI SHANTILAL RAMILA	P	P	P	P	P
10	CHIKANE SANKET SUBHASH SUMAN	P	P	P	P	P
11	DESAI NEHA UDAYKUMAR SUVIDYA	P	P	P	P	P
12	DUBEY ABHILASH JAYPRAKASH	P	P	P	P	P
13	DUBEY AVINASH PHOOLCHANDRA GEETADEVI	A	P	P	P	P
14	DUBEY SUNITA OMBIR PRABHAVATI	P	P	A	P	P
15	GALA PRIYANKA SHAILESH BHAVANA	P	P	P	P	P
16	GAONKAR SONAL SUNIL SUPRIYA	P	P	P	P	P
17	GARDE SHRUTI SHRIPAT SHRADDHA	P	P	P	P	P
18	GAUR RAJAT CHAMPALAL SEEMA	P	P	P	P	P
19	GUPTA HITEN SANTOSH SHOBHA	P	P	P	P	P
20	GUPTA POOJA DHANANJAY NITU	P	P	P	P	P
21	GUPTA POOJA SADHU CHANDRAVATI	P	A	P	P	P
22	GUPTA VIJAYA KASHIRAM NIRMALADEVI	P	P	P	P	P
23	JADHAV POOJA PANDHARI DWARKAMAEE	P	P	P	P	P
24	JADHAV SAYALI SANTOSH SUVARNA	P	P	P	P	P
25	JAIN KRIPA NARENDRA MEENA	P	P	P	P	P
26	JANA SHUBHAM UTTAM SUPRIYA	P	P	P	P	P
27	JHA VARSHA VIJAYKUMAR VIBHA	P	P	P	P	P
28	KAMAT ADITI SHASHANT SANJANA	P	P	P	P	P
29	KEGADE PRAJAKTA SANDEEP	P	P	P	P	P
30	KHAN UZMA JAVED REHANA	P	P	P	P	P







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31	KUMAWAT VIKASKUMAR DILIPKUMAR PANKIDEVI	P	P	P	P	P
32	LODH DEEPAK SHRIKRISHNA SAVITRI	P	P	P	P	P
33	LOKE UJWALA BHIKAJI	P	P	P	P	P
34	MEHTA JENIKA MAHESH JAGRUTI	P	P	P	P	P
35	MISHRA ALOK SUBHASH USHA	P	P	P	P	P
36	MISHRA VARSHA UMASHANKAR URMILA	P	P	P	P	P
37	MORE ABHIJEET GANPAT SINDHU	P	P	P	P	A
38	MOURYA MANOJ RAMANAND NIRMALA	P	P	P	P	P
39	PARKAR SHREYA DEVENDRA NEHA	P	P	P	P	P
40	PARMAR TANVI PARESH JYOTI	P	P	P	P	P
41	PATIL AKANKSHA ADHIKRAO CHHAYA	P	P	P	P	P
42	PATIL MITESH HIMMAT ROSHANA	P	P	P	P	P
43	PATIL VAISHNAVI VIKRANT JYOTI	P	P	P	P	P
44	RANE KRITTIKA VINAYAK SUSHAMA	P	P	P	P	P
45	RATHOD DEVKABAI PREMRAJ ANUSHYA	P	P	A	P	P
46	SAHANI GAUTAM ANGAD SHIVKUMARI	P	P	P	P	P
47	SAINI GAYATRI MOHAN RADHADEVI	A	P	P	P	P
48	SALUNKHE SHEETAL MARUTI CHHAYA	P	P	P	P	P
49	SANKHE PRACHI MANOJ MANISHA	P	P	P	P	P
50	SAPKAL OMKAR RAHUL RAJESHREE	P	P	P	P	P
51	SAWANT ARUNDHATI ASHOK ARUNA	P	P	P	P	P
52	SHAH REVTI RAVINDRA RITA	P	P	P	P	P
53	SHARMA HIMANSHU ARUN RITA	P	P	P	P	P
54	SHEDHALA JAYDEEP SHAILESH VARSHABEN	P	P	P	P	P
55	SHENDGE SUKRUTI ANANDRAO USHA	P	P	P	P	P
56	SHINDE PRIYANKA KISHOR SMITA	P	P	P	P	P
57	SINGH SANDEEP SATISH POONAM	P	P	P	P	P
58	SOLANKI SANJAY CHIMANLAL DEVI	P	P	P	P	P
59	SOPTA ATUL RAVINDRA SMITA	P	P	P	P	P
60	TATE MAHADEV GOVINDRAO KAMAL	P	P	P	P	P
61	TIWARI ROHIT DAYASHANKAR	P	P	P	P	P
62	VALVI KALPESH KALU ELAVTI	P	P	P	P	P
63	VANMALI MANDAR DILIP MANDA	P	P	P	P	P
64	YADAV CHANDRESH RAGHUNATH BASANTI	P	P	P	P	P
65	YADAV JYOTI HARISHANKAR SARSWATI	P	P	P	P	P
66	YELAVE ADESH UTTAM URMILA	P	P	P	P	P

*NK*  
Name & Signature of Co ordinator  
Mrs. Neelam Kamble



*SW*  
Principal





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**Academic Year 2018-19**  
**ATTENDANCE SHEET**

**Fundamentals of Dissolution**

03/11/2018 to 07/11/2018, 9.00 am to 3.30 pm

**Third Year B.Pharm A.Y.2018-19**

Roll No	Name of the Student	Day 1	Day 2	Day 3	Day 4	Day 5
1	ADE NITIN SURESH ASHA	P	P	P	P	P
2	ANGANE PRASAD CHANDRAKANT POOJA	P	P	P	P	P
3	APTEKAR VISHAKHA PRASHANT PRACHI	P	P	P	P	P
4	BAND MANDAR DEEPAK JYOTI	P	P	P	P	P
5	BHANUSHALI NIDHI NARESH PREETI	P	P	P	P	P
6	BHOSLE NEHA SACHINDRA KALPANA	P	P	P	P	P
7	CHAUDHARI TEJASWINI VINAYAK JYOTI	P	P	P	P	P
8	DESHPANDE RIDDHI YASHODHAN SMITA	P	P	P	P	P
9	DIXIT GARGI MANGESH SUREKHA	P	P	P	P	P
10	GHARAT RUCHITA RAM RUSHALI	P	P	P	P	P
11	GUJARE AKANKSHA BALU	P	A	P	P	P
12	GUPTA ANUP DILIP SAVITRI	P	P	P	P	P
13	GUPTA JAYESH RAMESH SONI	P	P	P	P	P
14	GUPTA RAKESH KANHAIYALAL INDRAVATI	P	P	P	A	P
15	JAIN RAJVI LALIT LATA	P	P	P	P	P
16	JOSHI KOMAL BAJRANG MANJU	P	P	P	P	P
17	JOSHI RUCHITA MAHESH VAISHALI	P	P	P	P	P
18	KAMBALE NAMRATA PRADEEP LATA	P	P	P	P	P
19	KAREKAR VAISHNAVI VISHWAS TANVI	P	P	P	P	P
20	KESARWANI SIMRAN ASHOK SANGEETA	P	P	P	P	A
21	KORE MIKHIL SANTOSH SUPRIYA	P	P	P	P	P
22	KORLEKAR PRANALI PRAMOD SNEHA	P	P	P	P	P
23	KUNDAP SHIVANI VIKAS SATYAVATI	P	P	P	P	P
24	MAINGADE NIKITA VASANT VARSHA	P	P	P	P	P
25	MASAL SHUBHANGI MAHADEV KANTA	P	P	P	P	P







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26	MAURYA RAJESHWARI AKHILESH RAJKUMARI	P	P	P	P	P
27	MEHER ATMAJA ABHAY VANDANA	P	P	P	P	P
28	MISHRA RISHABH SANJAY MEERA	P	P	P	P	P
29	NOUDIYAL PRATIKSHA SUNIL VIDYAL	P	P	P	P	P
30	PAMECHA MEENAKSHI JITENDRA GEETA	P	P	P	P	P
31	PARIHAR NIRAJ JIVRAM	P	P	P	P	A
32	PATEL JAIMEEN JAYESH RITABEN	P	P	P	P	P
33	PATIL DARSHAN KAMALAKAR USHA	P	P	P	P	P
34	PATIL MRUNAL KUMAR KANCHAN	P	P	P	P	P
35	PATIL PRACHI PRAKASH ANJU	A	P	P	P	P
36	PATIL TRUPTI BALKRISHNA SUNANDA	P	P	P	P	P
37	PAWAR ALPIKA ASHOK ANITA	P	P	P	P	P
38	PRAJAPATI SHUBHAM BANSHRAJ RITA	P	P	P	P	P
39	RANE SAMARTH PRAMOD SANDHYA	P	P	P	P	P
40	RUPARELIYA VIMAL PRAVINBHAI RASILABEN	P	P	P	P	P
41	SANGLE TEJAL GAJNINATH BHIMABAI	P	P	P	P	P
42	SHAIKH MAAZ ARIF RUKHSANA	P	P	P	P	P
43	SHAIKH MOHD FAREED MOHD FIROZ ASIYA	P	P	P	P	P
44	SHARMA MANISH KUMAR ARUN RITA	P	P	P	P	P
45	SHINDE PRACHI KISHOR KAVITA	P	P	P	P	P
46	SHIRODKAR SANKET SUNIL SARITA	P	P	P	P	P
47	SINGH RICHA MANOJ KIRAN	P	P	P	P	P
48	SINGH SHRISHTI VIRENDRA KIRAN	P	P	P	P	P
49	SURYAVANSHI KIRAN RAJU LAXMI	P	P	P	P	P
50	SURYAVANSHI SHREYA DEEPAK MANISHA	P	P	P	P	P
51	TAMHANKAR SAMPADA PRAKASH PRIYANKA	P	P	P	P	P
52	TELANGE TEJAS SURESH INDRAyani	P	P	A	P	P
53	TIWARI SHIKHA KRISHNA KUMAR SANJU	P	P	P	P	P
54	UIKEY SANKET SHIVPRASAD REETA	P	P	P	P	P
55	WAGHCHAURE PRANIT SUNIL MANISHA	P	P	P	P	P
56	YADAV SACHIN RAJKUMAR RASILADEVI	P	P	P	P	P
57	YADAV SURAJ SABHAJEET RENU	P	P	P	P	P

*Ms. Neelam S. Kamble*  
Name & Signature of Co ordinator

*Principal*  
Principal





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## Photographs



Hands on experience on Dissolution Apparatus







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## Certificate

