

**Department of Chemistry**  
**Presents**  
**Certificate Course in Advanced**  
**Diploma in Industrial Chemistry**

**Academic Year: 2022-23**

# **Certificate course in Advanced Diploma in Industrial Chemistry**

**Duration:** 140 hours

## **Features of the course:**

- Specially designed to give hands on training of sophisticated instruments used in industries
- Delivered by experts from the industry and experience faculties.
- Covered various processes used in quality control lab of pharmaceutical industries.

## **Objective:**

- To learn various processes and terminology used in QC lab of pharmaceutical industries.
- To learn fundamental principle, theories of various sophisticated instruments.
- To develop skills of handling various analytical instruments.
- To understand the basic calculations required in instrumental operation and preparation of solutions.
- To explore proper record keeping in laboratory.

## **Eligibility:**

Pass B.Sc. Chemistry

# Certificate course in Advanced Diploma in Industrial Chemistry

Report 2022-2023

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# Proposal

Sonopant Dandekar Shikshan Mandali's  
**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND  
M.H. MEHTA SCIENCE COLLEGE, Palghar.**  
**Department of Chemistry**

Date: 21/04/2022

To,  
Dr. Kiran Save  
Principal  
Sonopant Dandekar Arts, V.S. Apte Commerce and  
M.H. Mehta Science College,  
Palghar.

**Subject: Regarding the permission to conduct Certificate Course in "Advanced Diploma in Industrial Chemistry"**

Respected Sir,

The Department of Information Technology to conduct two Certificate Course entitled  
"Certificate course in Advanced Diploma in Industrial Chemistry"

**Objectives**

- To learn various processes and terminology used in QC lab of pharmaceutical industries.
- To learn fundamental principle, theories of various sophisticated instruments.
- To develop skills of handling various analytical instruments.
- To understand the basic calculations required in instrumental operation and preparation of solutions.
- To explore proper record keeping in laboratory.

**Duration** – 40 Hours

**Eligibility** – Bsc Chemistry Pass

**Commencement Date:** 04/05/2022

Kindly give the permission and we look forward for your kind cooperation.

Thanking You,

Yours sincerely.

*Sanctioned*  
*Kiran*

*Janh*  
Dr. Suhas Janwadkar

Head, Department of Chemistry

### Budget for conduction of Advanced Diploma in Industrial Chemistry course

INCOME			EXPENDITURE		
Sr. No.	Particulars	Amount	Sr. No.	Particulars	Amount
1	Income from fees from in-house students (15,000 x 26, 5x1000)	3,95,000/-	1	Honorarium to Principal & HOD	10,000/-
			2	Honorarium to coordinator	25,000/-
				Honorarium to Lupin coordinator	20,000/-
			3	Honorarium to Industry Experts (@1000/teaching hr)* 1000x100	1,00,000/-
			4	Honorarium to in-house teaching faculties (@500/teaching hr) 500x40	20,000/-
			5	Honorarium to non-teaching staff (@5000/ month)	10,000/-
			6	Equipment	15,000/-
			7	Course on GC 800 x 26	20800/-
				₹	
				<b>Total</b>	<b>2,14,200/-</b>
	<b>Total</b>	<b>3,95,000/-</b>			

\* Per batch required 140 hours of teaching.

Date: 18/5/2022  
Place: Palghar

*Blach*  
Coordinator

*K. S. Me*  
18/05/2022

# MOU



## **MEMORANDUM OF UNDERSTANDING**

For

### **ADVANCED DIPLOMA IN INDUSTRIAL CHEMISTRY**

Between

Sonopant Dandekar Shikshan Mandali's  
SONOPANT DANDEKAR ARTS, V. S. APTE  
COMMERCE, M.H.MEHTA SCIENCE,  
COLLEGE, PALGHAR

And

LUPIN HUMAN WELFARE RESEARCH  
FOUNDATION

**DRAFT MEMORANDUM OF  
UNDERSTANDING (MOU)**

*Between*

*Sonopant Dandekar Shikshan Mandali's*

**SONOPANT DANDEKAR ARTS, VAMAN  
SHRIDHAR APTE COMMERCE, M.H.  
MEHTA SCIENCE COLLEGE, PALGHAR  
[PARTY OF THE FIRST PART]**

*And*

**LUPIN HUMAN WELFARE AND  
RESEARCH FOUNDATION (LHWRF)  
[PARTY OF THE SECOND PART]**

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This MEMORANDUM OF UNDERSTANDING between Sonopant Dandekar Shikshan Mandali's Sonopant Dandekar Arts, Vaman Shridhar Apte Commerce, M.H. Mehta Science College, Palghar, herein after called as "**PARTY OF THE FIRST PART**" and Lupin Human Welfare and Research Foundation (LHWRF) herein after called "**PARTY OF THE SECOND PART**".

*Advanced diploma in industrial Chemistry*

## **I. PURPOSE & SCOPE**

The purpose of this MOU is to clearly identify the roles and responsibilities of each PARTY of the first parts they relate to a certified course named “**ADVANCED DIPLOMA IN INDUSTRIAL CHEMISTRY**”.

**In particular, this MOU is intended to:**

The objective of this MOU is to express the willingness of both parties to engage in an effort to start a Postgraduate Diploma in Industrial Chemistry by collaborative activities in the areas of Training, education to enhance safe and effective operations in chemical industries and applied research.

## **II. GENERAL TERMS OF MOU**

### **2.1 PROGRAM HIGHLIGHTS:**

- Tremendous career opportunities in the Pharmaceutical or Chemical Industry with lucrative Salaries.
- Excellent growth prospects, Industry-focused curriculum.
- Internships and practical experience opportunities in various industries and research labs.



## **2.2 METHOD OF DELIVERY:**

Theory Lectures through presentations

Workshops / Assignments / Expert Guest lectures,

A clear presentation of training objectives at the beginning of each session  
Soft skill development programs - Exploration of personal attitudes.

Hand on training on each and every instrument.

## **ELIGIBILITY:**

2<sup>nd</sup> & 3<sup>rd</sup> year B.Sc. / M.Sc. Chemistry, Botany, Biochemistry, Microbiology, Life Science, Zoology, Biotechnology, Bachelor of Pharmacy, Master of Pharmacy, with minimum 50% marks.

## **RESOURCES:**

Well-equipped lab, Library, industrial resource persons.

## **EVALUATION:**

Continuous Evaluation during the course theory as well as practicals.

## **EXAMINATIONS:**

Seminars, Interim exams, Viva, Practical's and Final examinations

### **III. [PARTY OF THE FIRST PART]**

**RESPONSIBILITIES AND OBLIGATIONS UNDER THIS MOU**  
Shall undertake the following activities:

- ✓ *The PARTY of the first part agrees* to provide rent free infrastructure facilities inclusive of the required premises, electrification, and water facility.
- ✓ *The PARTY of the first part further agrees* to appoint required faculty members and supporting staff to conduct the said course from the college.
- ✓ *The PARTY of the first part agrees* to promote and propagate the said course to the students studying in the college.
- ✓ *The PARTY of the first part shall* maintain record of the students enrolled in the said course.
- ✓ *The PARTY of the first part agrees* to evaluate the students studying in the said course.
- ✓ *The PARTY of the first part will* collect the necessary course fees from the students.

**IV. [PARTY OF THE SECOND PART]**  
**RESPONSIBILITIES AND OBLIGATIONS UNDER THIS MOU**  
Shall undertake the following activities:

*The PARTY of the Second part agrees* to donate necessary instruments including necessary software's required for the said course.

The maintaining and repairing of the instruments shall always be of *The PARTY of the Second part*.

*The PARTY of the Second part agrees* to provide experts and technical support to conduct the instrumentation course.

*The PARTY of the Second part further agrees* to provide the samples and specialists chemicals necessary for experimental work.

*The PARTY of the Second part will* train faculty members and the supporting staff of the Chemistry Department of the college to work on instrumentations.

**V. IT IS MUTUALLY UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES THAT:**

1. Modification
2. Termination

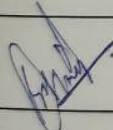
**VI. FUNDING**

This MOU does (does not) include the reimbursement of funds between the two parties.

**VII. EFFECTIVE DATE AND SIGNATURE**

This MOU is hereby signed and sealed by the respective parties hereto on this 19<sup>th</sup> Day of November 2015 at Palghar.

**In the presence of,**

\_\_\_\_\_  
  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**ADV. G. D. TIWARI**  
President,  
Sonopant Dandekar Shikshan  
Mandali, Palghar.  
19<sup>th</sup> November 2015



**MR. VIJAY KOTHIWALE**  
Vice-President  
Lupin Human Welfare & Research  
Foundation, Tarapur, Boisar.  
19<sup>th</sup> November 2015

# Syllabus



**SYLLABUS FOR ADVANCED  
DIPLOMA IN INDUSTRIAL CHEMISTRY  
PROGRAM: INSTRUMENTAL ANALYSIS  
COURSE: QUALITY CONTROL  
&  
QUALITY ASSURANCE**



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01.	Introduction
02.	Good Laboratory Practices
03.	Safety Precautions in Laboratory
04.	Good Housekeeping Practices
05.	Good Documentation Practices
06.	Data Integrity
07.	Wet Chemistry
08.	Instrumentation
09.	Basic Techniques
10.	General
11.	Calibration
12.	Qualification
13.	Hold Time / Stability Testing.

No.	Name	Sem V Marks	Form	Fee Receipt
1	Chaitanya Rajaram Bohere			
2	Shibani Jitendra Tripathi	92.63	92 ✓	
3	Harshada Arun Vedak	81.14		✓ CPB ✓
4	Vivek yadav	80.58		
5	Fannu Subodh Thakur	79.51		
6	Sundar Dinesh Chauhan	79.37	✓	
7	Kavita Nathuram Dhangada	78.45		
8	Pankaj Chauhan	78.45	✓	
9	Amisha Gupta	77.953	✓	✓ ✓
10	Shreya Tushar Raut	77.95	✓	✓ ✓
11	Chanda manoj-singh	77.598	✓	✓ Raut ✓
12	Divya Mishra	77.03		
13	Sumit Govind Kushwaha	75.61	✓	✓ ✓
14	Aachal Kishor Bhoir	75.61	✓	✓ ✓
15	Aarti Deepak Bhosle	74.19	✓	✓ ✓
16	Anirudha Dattatray Salunkhe	74.19	✓	✓ ✓
17	PATIL ESHWAR LAKHICHAND	74.19	92.85 ✓	✓ ✓
18	ashish-sanjay-dhandare	74.1		
19	Francis Sahil Viliyam	73.33	✓	✓ ✓
20	Viraj Vijay Sankhe	72.98	✓	✓ ✓
21	Spandan Shailesh Wani	72.62	✓	✓ ✓
22	Saloni-kusmakar-pawade	72.27	✓	✓ ✓
23	Soni Shubhanshu Shyamji	72-71.91	✓	✓ ✓
24	Samir Panigrahy	70.64	✓	✓ ✓
25	Basu B Patra	70.49	✓	✓ ✓
26	ANKUSH RAMESH KHUTADE	70.49	✓	✓ ✓
27	Hardik Bhupendra-ehaudhari	70.28	✓	✓ ✓
28	Pranali Kadam	69.93	✓	✓ ✓
29	Omkar-Subhash-Delvi	69.73	✓	✓ ✓
30	Aman eknath more	69.08	✓	✓ ✓
31	Riya Srivastava	68.51		
32	Swarangi Suresh-Raut	68.51		
33	Avinash Indrajeet Yadav	68.35	✓	✓ ✓
34	Chetan Ghorkhana	67.8	✓	✓ ✓
35	Kaustubh kundan bhoir	67.3	✓	✓ ✓
36	Supriya baliram Tiwari	66.948	✓	✓ ✓
37	Shraddha Dhole	66.38	61 ✓	✓ ✓
38	Navin prabhakar Balashi	65.88	✓	✓ ✓
39	Rushikesh name	65.67	✓	✓ ✓
40	Shital sampat darade	65.52		

## Attendance

Sr. No.	Name	Roll Number	31/5/22	01/06/22	02/06/22	03/06/22	04/06/22	05/06/22	06/06/22	07/06/22
	Chaitanya Rajaram									
1	Bohere	101	P							
2	Vivek yadav	102	P	P	P	P	P	P	P	P
3	Pankaj Chauhan	103	P	A	P	P	P	A	A	P
4	Amisha Gupta	104	P	P	P	P	P	P	P	P
5	Divya Mishra	106	P	A	P	P	P	P	P	P
	Sumit Govind									
6	Kushwaha	107	P	P	P	P	P	P	P	P
7	Aarti Deepak Bhosle	109	P	P	P	P	P	P	P	P
	Patil Eshwar									
8	Lakhichand	111	P	-						
9	Francis Sahil Viliyam	112	P	P	P	P	P	P	P	P
10	Viraj Vijay Sankhe	113	P	A	A	P	P	P	P	P
	Spandan Shailesh									
11	Wani	114	P	P	P	P	P	P	P	P
	Soni Shubhanshu									
12	Shyamji	115	P	P	P	P	P	P	P	P

13	Basu B Patra	117	P							
	Ankush Ramesh									
14	Khutade	118	P							
15	Pranali Kadam	119	P							
16	Aman eknath more	120	P							
17	Riya Srivastava	121	P							
18	Chetan Ghorkhana	122	P	P	P	P	P	A	A	A
	Navin prabhakar									
19	Balashi	123	P							
20	Rushikesh name	124	P							
21	Shital sampat darade	125	P							
	Vaibhav dharmanath									
22	darade	126	P							
	Sameep Sanjay									
23	Jadhav	127	P							
24	Saish Nargolkar	128	A							
25	Apeksha Patil	129	P							



Attendance Sheet												
Sr. No.	Name	Roll Number	8/6/22	9/6/22	10/6/22	11/04/22	12-06/22	13/06/22	14/6/22	15/6/22	13/6/22	
1	Chaitanya Rajaram Bohere	101	Bohere	Bohere	Bohere	Bohere	Bohere	Bohere	Bohere	Bohere	Bohere	
2	Vivek yadav	102									Bohere	
3	Pankaj Chauhan	103									Dyade	
4	Amisha Gupta	104									Amisha	
5	Divya Mishra	106									Divya	
6	Sumit Govind Kushwaha	107									Sumit-sk	
7	Aarti Deepak Bhosle	109									Bhosle	
8	Patil Eshwar Lakhichand	111	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
9	Francis Sahil Viliyam	112									Sahil	
10	Viraj Vijay Sankhe	113									Viraj	
11	Spandan Shailesh Wani	114									Wani	
12	Soni Shubhanshu Shyamji	115									Soni	

Attendance Sheet										
Sr. No.	Name	Roll Number	8/6/22	9/6/22	10/6/22	11/04/22	12-06/22	13/06/22	14/6/22	15/6/22
13	Basu B Patra	117	Patra	Patra	Patra	Patra	Patra	Patra	Patra	Patra
14	Ankush Ramesh Khutade	118	Khutade	Khutade	Khutade	Khutade	Khutade	Khutade	Khutade	Khutade
15	Pranali Kadam	119	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
16	Aman eknath more	120	Amey	Amey	Amey	Amey	Amey	Amey	Amey	Amey
17	Riya Srivastava	121	Riya	Riya	Riya	Riya	Riya	Riya	Riya	Riya
18	Chetan Ghorkhana	122								
19	Navin prabhakar Balashi	123	Balashi	Balashi	Balashi	Balashi	Balashi	Balashi	Balashi	Balashi
20	Rushikesh name	124	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
21	Shital sampat darade	125	Daradess	Daradess	Daradess	Daradess	Daradess	Daradess	Daradess	Daradess
22	Vaibhav dharmanath darade	126	Darade	Darade	Darade	Darade	Darade	Darade	Darade	Darade
23	Sameep Sanjay Jadhav	127	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
24	Saish Nargolkar	128	Saish	Saish	Saish	Saish	Saish	Saish	Saish	Saish
25	Apeksha Patil	129	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil

Sr. No.	Name	Roll Number	18/05/2022	19/05/2022	20/05/2022	21/05/2022	23/05/2022	24/05/2022	25/05/2022	26/05/2022
1	Chaitanya Rajaram Bohere	101	<del>Bohere</del>	<del>Bohere</del>	<del>Bohere</del>	<del>Bohere</del>	<del>Bohere</del>	<del>Bohere</del>	<del>Bohere</del>	<del>Bohere</del>
2	Vivek yadav	102	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>	<del>Yadav</del>
3	Pankaj Chauhan	103	A	A	<del>Chauhan</del>	<del>Chauhan</del>	A	<del>Chauhan</del>	<del>Chauhan</del>	<del>Chauhan</del>
4	Amisha Gupta	104	<del>Amisha</del>	<del>Amisha</del>	<del>Amisha</del>	<del>Amisha</del>	<del>Amisha</del>	<del>Amisha</del>	<del>Amisha</del>	<del>Amisha</del>
5	Divya Mishra	106	A	<del>Mishra</del>	<del>Mishra</del>	<del>Mishra</del>	<del>Mishra</del>	<del>Mishra</del>	<del>Mishra</del>	<del>Mishra</del>
6	Sumit Govind Kushwaha	107	<del>Sumit S.K</del>	<del>Sumit S.K</del>	<del>Sumit S.K</del>	<del>Sumit S.K</del>	<del>Sumit S.K</del>	<del>Sumit S.K</del>	<del>Sumit S.K</del>	<del>Sumit S.K</del>
7	Aarti Deepak Bhosle	109	<del>Bhosle</del>	<del>Bhosle</del>	A	<del>Bhosle</del>	A	<del>Bhosle</del>	<del>Bhosle</del>	<del>Bhosle</del>
8	Patil Eshwar Lakhichand	111	<del>Patil</del>	A	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
9	Francis Sahil Viliyam	112	<del>Sahil</del>	<del>Sahil</del>	<del>Sahil</del>	<del>Sahil</del>	<del>Sahil</del>	<del>Sahil</del>	<del>Sahil</del>	<del>Sahil</del>
10	Viraj Vijay Sankhe	113	<del>V.V.Sankhe</del>	<del>V.V.Sankhe</del>	<del>V.V.Sankhe</del>	<del>V.V.Sankhe</del>	A	<del>V.V.Sankhe</del>	<del>V.V.Sankhe</del>	<del>V.V.Sankhe</del>
11	Spandan Shailesh Wani	114	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>	<del>Wani</del>
12	Soni Shubhanshu Shyaji	115	<del>Soni</del>	A	<del>Soni</del>	<del>Soni</del>	<del>Soni</del>	<del>Soni</del>	<del>Soni</del>	<del>Soni</del>

13	Samir Panigrahy	116	<del>Panigrahy</del>	A	A	A	A	A	A	A
14	Basu B Patra	117	<del>Patra</del>	<del>Patra</del>	<del>Patra</del>	<del>Patra</del>	<del>Patra</del>	<del>Patra</del>	<del>Patra</del>	<del>Patra</del>
15	Ankush Ramesh Khutade	118	<del>Khutade</del>	<del>Khutade</del>	<del>Khutade</del>	<del>Khutade</del>	<del>Khutade</del>	<del>Khutade</del>	<del>Khutade</del>	<del>Khutade</del>
16	Pranali Kadam	119	<del>Kadam</del>	<del>Kadam</del>	<del>Kadam</del>	<del>Kadam</del>	<del>Kadam</del>	<del>Kadam</del>	<del>Kadam</del>	<del>Kadam</del>
17	Aman eknath more	120	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>	<del>More</del>
18	Riya Srivastava	121	<del>Srivastava</del>	<del>Srivastava</del>	<del>Srivastava</del>	<del>Srivastava</del>	<del>Srivastava</del>	<del>Srivastava</del>	<del>Srivastava</del>	<del>Srivastava</del>
19	Chetan Ghorkhana	122	<del>Ghorkhana</del>	<del>Ghorkhana</del>	<del>Ghorkhana</del>	<del>Ghorkhana</del>	<del>Ghorkhana</del>	<del>Ghorkhana</del>	<del>Ghorkhana</del>	<del>Ghorkhana</del>
20	Navin prabhakar Balashi	123	<del>Balashi</del>	<del>Balashi</del>	<del>Balashi</del>	<del>Balashi</del>	<del>Balashi</del>	<del>Balashi</del>	<del>Balashi</del>	<del>Balashi</del>
21	Rushikesh name	124	<del>Name</del>	<del>Name</del>	<del>Name</del>	<del>Name</del>	<del>Name</del>	<del>Name</del>	<del>Name</del>	<del>Name</del>
22	Shital sampat darade	125	<del>Darade</del>	A	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>
23	Vaibhav dharmanath darade	126	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>	<del>Darade</del>
24	Sameep Sanjay Jadhav	127	<del>Jadhav</del>	<del>Jadhav</del>	<del>Jadhav</del>	<del>Jadhav</del>	<del>Jadhav</del>	<del>Jadhav</del>	<del>Jadhav</del>	<del>Jadhav</del>
25	Saish Nargolkar	128	<del>Nargolkar</del>	<del>Nargolkar</del>	<del>Nargolkar</del>	<del>Nargolkar</del>	<del>Nargolkar</del>	<del>Nargolkar</del>	<del>Nargolkar</del>	<del>Nargolkar</del>
26	Apeksha Patil	129	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>



Advanced Diploma in Industrial Chemistry  
Attendance Sheet

Sr. No.	Name	Roll Number	21/06/22	23/06/2022	24/06/2022	27/06/22	28/06/22	30/6/22	01/07/22	02/7/22	06/07/22
1	Chaitanya Rajaram Bohere	101	<u>CBohere</u>	<u>CBohere</u>	<u>CBohere</u>	<u>CBohere</u>	A	<u>CBohere</u>	<u>CBohere</u>	<u>CBohere</u>	A
2	Vivek yadav	102	<u>Vyadav</u>	<u>Vyadav</u>	<u>Vyadav</u>	<u>Vyadav</u>	A	<u>Vyadav</u>	<u>Vyadav</u>	A	A
3	Pankaj Chauhan	103	<u>Pankaj</u>	A	<u>Pankaj</u>	<u>Pankaj</u>	<u>Pankaj</u>	<u>Pankaj</u>	<u>Pankaj</u>	<u>Pankaj</u>	A
4	Amisha Gupta	104	<u>Amisha</u>	<u>Amisha</u>	A	<u>Amisha</u>	A	<u>Amisha</u>	<u>Amisha</u>	<u>Amisha</u>	P
5	Divya Mishra	106	<u>Divya</u>	<u>Divya</u>	<u>Divya</u>	<u>Divya</u>	A	<u>Divya</u>	<u>Divya</u>	A	A
6	Sumit Govind Kushwaha	107	<u>Sumit S.K</u>	<u>Sumit S.K</u>	<u>Sumit S.K</u>	<u>Sumit S.K</u>	<u>Sumit S.K</u>	<u>Sumit S.K</u>	<u>Sumit S.K</u>	<u>Sumit S.K</u>	P
7	Aarti Deepak Bhosle	109	<u>ABhosle</u>	<u>ABhosle</u>	<u>ABhosle</u>	<u>ABhosle</u>	A	<u>ABhosle</u>	<u>ABhosle</u>	<u>ABhosle</u>	A
8	Patil Eshwar Lakhichand	111	<u>EPatil</u>	<u>EPatil</u>	<u>EPatil</u>	<u>EPatil</u>	<u>EPatil</u>	<u>EPatil</u>	<u>EPatil</u>	<u>EPatil</u>	P
9	Francis Sahil Viliyam	112	<u>FSahil</u>	<u>FSahil</u>	<u>FSahil</u>	<u>FSahil</u>	A	<u>FSahil</u>	<u>FSahil</u>	A	P
10	Viraj Vijay Sankhe	113	<u>VSankhe</u>	<u>VSankhe</u>	<u>VSankhe</u>	<u>VSankhe</u>	A	<u>VSankhe</u>	<u>VSankhe</u>	<u>VSankhe</u>	A
11	Spandan Shailesh Wani	114	<u>SWani</u>	<u>SWani</u>	<u>SWani</u>	<u>SWani</u>	A	<u>SWani</u>	<u>SWani</u>	<u>SWani</u>	P
12	Soni Shubhanshu Shyamji	115	<u>SSoni</u>	<u>SSoni</u>	<u>SSoni</u>	A	<u>SSoni</u>	<u>SSoni</u>	<u>SSoni</u>	<u>SSoni</u>	P

Advanced Diploma in Industrial Chemistry  
Attendance Sheet

13	Basu B Patra	117	<u>Basu</u>	<u>Bpatra</u>	<u>Bpatra</u>	<u>Bpatra</u>	<u>Bpatra</u>	<u>Bpatra</u>	<u>Bpatra</u>	<u>Bpatra</u>	P
14	Ankush Ramesh Khutade	118	<u>Ankush</u>	<u>Ankush</u>	<u>Ankush</u>	<u>Ankush</u>	<u>Ankush</u>	<u>Ankush</u>	<u>Ankush</u>	<u>Ankush</u>	P
15	Pranali Kadam	119	<u>Pranali</u>	<u>Pranali</u>	<u>Pranali</u>	<u>Pranali</u>	<u>Pranali</u>	<u>Pranali</u>	<u>Pranali</u>	<u>Pranali</u>	A
16	Aman eknath more	120	<u>Aman</u>	<u>Aman</u>	<u>Aman</u>	<u>Aman</u>	<u>Aman</u>	<u>Aman</u>	<u>Aman</u>	<u>Aman</u>	P
17	Riya Srivastava	121	<u>Riya</u>	<u>Riya</u>	<u>Riya</u>	<u>Riya</u>	<u>Riya</u>	<u>Riya</u>	<u>Riya</u>	<u>Riya</u>	A
18	Chetan Ghorkhana	122	<u>Chetan</u>	<u>Chetan</u>	<u>Chetan</u>	<u>Chetan</u>	<u>Chetan</u>	<u>Chetan</u>	<u>Chetan</u>	<u>Chetan</u>	P
19	Navin prabhakar Balashi	123	<u>Navin</u>	<u>Navin</u>	<u>Navin</u>	<u>Navin</u>	<u>Navin</u>	<u>Navin</u>	<u>Navin</u>	<u>Navin</u>	P
20	Rushikesh name	124	<u>Rushikesh</u>	A	A	A	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	<u>Rushikesh</u>	A
21	Shital sampat darade	125	<u>Shital</u>	<u>Shital</u>	<u>Shital</u>	<u>Shital</u>	<u>Shital</u>	<u>Shital</u>	<u>Shital</u>	<u>Shital</u>	P
22	Vaibhav dharmanath darade	126	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	A
23	Sameep Sanjay Jadhav	127	<u>Sameep</u>	<u>Sameep</u>	<u>Sameep</u>	<u>Sameep</u>	<u>Sameep</u>	<u>Sameep</u>	<u>Sameep</u>	<u>Sameep</u>	A
24	Saish Nargolkar	128	<u>Saish</u>	<u>Saish</u>	<u>Saish</u>	<u>Saish</u>	<u>Saish</u>	<u>Saish</u>	<u>Saish</u>	<u>Saish</u>	A
25	Apeksha Patil	129	<u>Apeksha</u>	<u>Apeksha</u>	<u>Apeksha</u>	<u>Apeksha</u>	<u>Apeksha</u>	<u>Apeksha</u>	<u>Apeksha</u>	<u>Apeksha</u>	A

## Learning Outcome

**Certification:** Certificate will be provided on the basis of practical examination.

Mr. Deepesh Gharat – Manager, QA, Lupin Limited, Tarapur

Ms. Shruti Vibhandikar

### **Learning outcome**

- Students will observe safe practices in the laboratory and will know how to respond in an emergency.
- They will learn to gather hazardous materials information and will recognize and respond properly to potential hazards of handling chemicals and chemical waste.
- Students will be able to design and execute an experimental procedure, work independently, interpret experimental results, and draw a reasonable, accurate conclusion.

### **Assessment**

Periodical class test – 20 marks

Assignment – 20 marks

Practical Test – 50 marks

Attendance – 10 marks

# Feedback Form

Sonopant Dandekar Arts, V.S. Apte Commerce and M.H. Mehta  
Science College, Palghar

Internal Quality Assurance Cell

Feedback Form

Advanced Diploma in Industrial Chemistry

Mention - 1, 2, 3, 4, 5 as per the given appropriate measures.

Sr.No.	Parameters	Strongly Agree 1	Agree 2	Neutral 3	Disagree 4	Strongly Disagree 5
1	After completing this course, my knowledge in the topic has increased.	1				
2	This course increased my interest in instrumentation.	1				
3	The instructor communicated clearly and effectively.	1				
4	The instructor encouraged feedback, class participation and interaction.	1				
5	The course started and ended on schedule.	1				
6	Course objectives were clearly presented.	1				
7	Course material was well planned.	1				
8	The course provided easy hands on training experience.	1				

Chaitra

## Action Photograph





# Certificate



Sonopant Dandekar Shikshan Mandali's  
Sonopant Dandekar Arts,  
V. S. Apte Commerce &  
M. H. Mehta Science College, Palghar



Lupin Human Welfare Research Foundation,  
Boisar

## Certificate

This is to certify that,

Patil Apeksha Santosh

has successfully completed 3 Months

Advance Diploma in Quality Control & Instrumentation

conducted jointly by

DEPARTMENT OF CHEMISTRY

In Collaboration with

Lupin Human Welfare Research Foundation, Boisar

Between May 2022 to July 2022

and

secured A grade

Principal  
Sonopant Dandekar Arts,  
V. S. Apte Commerce,  
M. H. Mehta Science College,

President  
Sonopant Dandekar  
Shikshan Mandali,  
Palghar

Senior GM & Site Head  
Lupin Human Welfare  
Research Foundation,  
Boisar

Place : Palghar

Date : 07/09/2022



Sonopant Dandekar Shikshan Mandali's  
Sonopant Dandekar Arts,  
V. S. Apte Commerce &  
M. H. Mehta Science College, Palghar



Lupin Human Welfare Research Foundation,  
Boisar

## Certificate

This is to certify that,

Soni Shubhanshu Shyamji

has successfully completed 3 Months

**Advance Diploma in Quality Control & Instrumentation**

conducted jointly by

**DEPARTMENT OF CHEMISTRY**

In Collaboration with

**Lupin Human Welfare Research Foundation, Boisar**

Between May 2022 to July 2022

and

secured A grade

Principal

Sonopant Dandekar Arts,  
V. S. Apte Commerce,  
M. H. Mehta Science College,

President

Sonopant Dandekar  
Shikshan Mandali,  
Palghar

Senior GM & Site Head

Lupin Human Welfare  
Research Foundation,  
Boisar

Place : Palghar

Date : 07/09/2022

## Compliance Report

Advanced Diploma in Industrial Chemistry covers a range of subjects related to industrial chemistry, including organic chemistry, inorganic chemistry, physical chemistry, analytical chemistry, and laboratory techniques. A significant emphasis was placed on practical training and laboratory work. Students had an access to well-equipped laboratories where they performed experiments, analyze samples and learn various techniques used in industry.

The course aims to equip students with the skills and knowledge required to work in the industrial sector. This includes understanding chemical processes, safety protocols, quality control measures, and environmental regulations. The program offers opportunities for industrial visits. This allowed students to gain real-world exposure to industrial settings, observe chemical processes in action, and apply their theoretical knowledge in practical scenarios.

In addition to technical knowledge, the course focused on developing essential soft skills such as communication, teamwork, critical thinking, and problem-solving. These skills are valuable in the workplace and enhanced students' overall employability. Students were assessed through a combination of practical exams, written assignments, laboratory reports and performance.

Course Commencement: 04/05/2022

Course Completion: 06/07/2022

Number of students enrolled for the course: 25

Number of students completed the course: 25

Duration of the course: 140 hours



Dr. Suhas Janwalkar  
Head (Dept. of Chemistry)