



**President :**  
Shri Amrishbhai R. Patel  
M.L.A.

**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

**Date: 30/08/2019**

### Notice


Dear First Year M.Pharm Students, We are pleased to inform you that our institute is organizing an Add-on Certificate Course on "Hands-on Training of Sophisticated Instruments". The aim of the course is to provide practical training and hands-on experience in utilizing sophisticated instruments commonly used in the pharmaceutical industry. The schedule of the program is enclosed with this notice. Kindly note that the attendance to this program is mandatory.

Course Details: "Hands-on Training of Sophisticated Instruments".

Duration: 2<sup>nd</sup> September 2019 to 7<sup>th</sup> September 2019.

Time: 11.00 am to 5.30 pm

Venue: M.Pharm Classroom / Laboratory

  
**Dr. L R Zawar**  
Co-Ordinator



  
**Dr. S B Bari**  
**PRINCIPAL**  
H.R. Patel Institute of Pharmaceutical  
Education & Research  
Shirpur Dist. Dhule (M.S) 425 405



President :  
Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

## Attendance Report

Sr. No	Name of the Student	02/09/2019	03/09/2019	04/09/2019	06/09/2019	07/09/2019
1	AHIRE DHIRAJ KRUSHNA	Ahira	Ahira	Ahira	Ahira	Ahira
2	JADHAV MEGHA SUKDEV	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
3	KUMAVAT NIKITA SURESH	Kumavat	Kumavat	Kumavat	Kumavat	Kumavat
4	MORE KIRAN BHAGWAT	More	More	More	More	More
5	PAKHALE DINESH HEMRAJ	Pakhal	Pakhal	Pakhal	Pakhal	Pakhal
6	PATIL CHETANA RAOSAHEB	Patil	Patil	Patil	Patil	Patil
7	PATIL NISHABAI SURESH	Patil	Patil	Patil	Patil	Patil
8	PATIL SOMESH SUNIL	Patil	Patil	Patil	Patil	Patil
9	SHRIRAO VISHAL HIRALAL	Shrirao	Shrirao	Shrirao	Shrirao	Shrirao
10	SONAR PRATIK ANIL	Sonar	Sonar	Sonar	Sonar	Sonar
11	VISPUTE YOGINI SHAMKANT	Vispute	Vispute	Vispute	Vispute	Vispute
12	AHIRE JAGRUTI RAVINDRA	Ahira	Ahira	Ahira	Ahira	Ahira
13	BAGAD KUNAL SUBHASH	Bagad	Bagad	Bagad	Bagad	Bagad
14	BHAMARE GAYATRI NIMBA	Bhamare	Bhamare	Bhamare	Bhamare	Bhamare
15	BHUSARE UMESH NARENDRA	Bhusare	Bhusare	Bhusare	Bhusare	Bhusare
16	NEVE ANKITA UMESH	Neve	Neve	Neve	Neve	Neve
17	PATIL MINAL RAVINDRA	Patil	Patil	Patil	Patil	Patil
18	PATIL PRANJAL SADHASHIV	Patil	Patil	Patil	Patil	Patil
19	PATIL SAGAR RAVINDRA	Patil	Patil	Patil	Patil	Patil
20	PATIL SAYALI RAVINDRA	Patil	Patil	Patil	Patil	Patil
21	PATIL VARSHA KAILAS	Patil	Patil	Patil	Patil	Patil
22	RAJPUT MAHESH ANIL	Rajput	Rajput	Rajput	Rajput	Rajput
23	PREMNATH MAHENDRA SANGALE	Premnath	Premnath	Premnath	Premnath	Premnath
24	SHIRSATH ROHIT MORESHWAR	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath
25	SURYAWANSHI ATUL PRAKASH	Suryawanshi	Suryawanshi	Suryawanshi	Suryawanshi	Suryawanshi
26	VEER SUDAM DNYANOBA	Veer	Veer	Veer	Veer	Veer

Dr. L R Zavar  
Co-Ordinator



Dr. S. B. Bari

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**H R Patel Institute of Pharmaceutical Education & Research**

**Organized, Add on Certificate Course**

**"Hands-on Training of Sophisticated Instruments"**

**2<sup>nd</sup> September 2019 - 7<sup>th</sup> September 2019**

<b>"Hands-on Training of Sophisticated Instruments"</b>				
<b>2<sup>nd</sup> September 2019 - 7<sup>th</sup> September 2019</b>				
<b>Sr. No</b>	<b>Day and Date</b>	<b>Time</b>	<b>Topics</b>	<b>Duration</b>
01	Monday, 2 <sup>nd</sup> September	11.00 am - 5.30 pm	Introduction and Experiments on the use of electronic weighing balance, pH meter, refractometer, conductometer and colorimeter.	6 hrs.
02	Tuesday, 3 <sup>rd</sup> September	11.00 am - 5.30 pm	Introduction to UV Spectroscopy, Calibration Curve & Assay using UV	6 hrs.
03	Wednesday 4 <sup>th</sup> September	11.00 am - 5.30 pm	Introduction to HPLC, Demonstration & Practical using HPLC	6 hrs.
04	Friday, 6 <sup>th</sup> September	11.00 am - 5.30 pm	Formulation Development of Oral Solid Dosage Form (Tablet & Capsule), Practical for Evaluation of Oral Solid Dosage Form	6 hrs.
05	Saturday, 7 <sup>th</sup> September	11.00 am - 5.30 pm	Handling of Bulk Density Apparatus, Roche's Friabilator, Hardness Tester and Disintegration Apparatus. Demonstration and determination of particle size and zeta potential using particle size analyzer.	6 hrs.

  
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Co-Ordinator



  
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Ⓔ <http://www.hrpatelpharmacy.co.in> ✉ [principal@hrpatelpharmacy.co.in](mailto:principal@hrpatelpharmacy.co.in), [registrar@hrpatelpharmacy.co.in](mailto:registrar@hrpatelpharmacy.co.in)

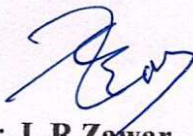


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**Activity report**  
Submitted to  
**The Principal,**  
**H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur**

<b>Name of Activity</b>	"Hands-on Training of Sophisticated Instruments"
<b>Organizer</b>	H R Patel Institute of Pharmaceutical Education and Research
<b>Venue</b>	M.Pharm Classroom and Laboratories
<b>Name of Speaker</b>	Detailed Schedule is enclosed
<b>Date of activity</b>	2 <sup>nd</sup> September 2019 to 7 <sup>th</sup> September 2019
<b>Objectives</b>	The objectives of the "Hands-on Training of Sophisticated Instruments" course were to provide students with practical experience in using instruments commonly utilized in the pharmaceutical industry.
<b>In charge</b>	Dr. Laxmikant Ramvallabh Zavar
<b>Number of Participant</b>	26
<b>Brief Report on activity</b>	The "Hands-on Training of Sophisticated Instruments" course provided students with practical experience in utilizing instruments commonly used in the pharmaceutical industry, including electronic weighing balance, pH meter, refractometer, conductometer, and colorimeter. Students learned the principles and applications of UV Spectroscopy, constructing calibration curves, and performing UV assays. Practical exercises were conducted to reinforce their understanding. Students were also introduced to HPLC, where they observed instrument setup and performed HPLC analysis, interpreting chromatograms. The course covered formulation development of oral solid dosage forms, including excipient selection, granulation techniques, and tablet compression. Practical evaluations were conducted for weight variation, hardness, friability, and disintegration. Additionally, students gained familiarity with specific instruments such as the Bulk Density Apparatus, Roche's Friabilator, Hardness Tester, Disintegration Apparatus, and Particle Size Analyzer, conducting experiments to determine particle size and zeta potential.
<b>Outcome</b>	the "Hands-on Training of Sophisticated Instruments" course equipped students with practical skills in operating a wide range of instruments used in the pharmaceutical industry. Through hands-on experience and practical exercises, students gained proficiency in UV Spectroscopy, HPLC analysis, formulation development, and evaluation of oral solid dosage forms. This comprehensive training will enable them to confidently apply their knowledge and skills in real-world pharmaceutical settings.

  
**Dr. L R Zavar**  
**Co-Ordinator**



  
**Dr. S. B. Bari**  
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M.Pharm. Ph.D., D.I.M.F.J.C.

**List of Students Participated in Add on Certificate Course on, "Hands-on Training of Sophisticated Instruments"**

Sr. No	Name of the Student	Specialization
1	AHIRE DHIRAJ KRUSHNA	PHARMACEUTICS
2	JADHAV MEGHA SUKDEV	PHARMACEUTICS
3	KUMAVAT NIKITA SURESH	PHARMACEUTICS
4	MORE KIRAN BHAGWAT	PHARMACEUTICS
5	PAKHALE DINESH HEMRAJ	PHARMACEUTICS
6	PATIL CHETANA RAOSAHEB	PHARMACEUTICS
7	PATIL NISHABAI SURESH	PHARMACEUTICS
8	PATIL SOMESH SUNIL	PHARMACEUTICS
9	SHRIRAO VISHAL HIRALAL	PHARMACEUTICS
10	SONAR PRATIK ANIL	PHARMACEUTICS
11	VISPUTE YOGINI SHAMKANT	PHARMACEUTICS
12	AHIRE JAGRUTI RAVINDRA	QUALITY ASUURANCE
13	BAGAD KUNAL SUBHASH	QUALITY ASUURANCE
14	BHAMARE GAYATRI NIMBA	QUALITY ASUURANCE
15	BHUSARE UMESH NARENDRA	QUALITY ASUURANCE
16	NEVE ANKITA UMESH	QUALITY ASUURANCE
17	PATIL MINAL RAVINDRA	QUALITY ASUURANCE
18	PATIL PRANJAL SADHASHIV	QUALITY ASUURANCE
19	PATIL SAGAR RAVINDRA	QUALITY ASUURANCE
20	PATIL SAYALI RAVINDRA	QUALITY ASUURANCE
21	PATIL VARSHA KAILAS	QUALITY ASUURANCE
22	RAJPUT MAHESH ANIL	QUALITY ASUURANCE
23	PREMNATH MAHENDRA SANGALE	QUALITY ASUURANCE
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25	SURYAWANSHI ATUL PRAKASH	QUALITY ASUURANCE
26	VEER SUDAM DNYANOBA	QUALITY ASUURANCE

  
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H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

2<sup>nd</sup> September 2019 - 7<sup>th</sup> September 2019

FEEDBACK FORM

We expect assessment of this event from you and request that you to share your ideas and suggestions. This feedback will help us in planning future events. Thank you.

Please comment on aspects of Training Program using the following rating.

[Tick in appropriate Box].

Sr. No.	Particulars	Excellent	Good	Average	Poor
1.	Relevance of Topic		✓		
2.	Session contents		✓		
3.	Whether this course meets your expectations?		✓		
4.	Venue and facilities	✓			
5.	Was the course being beneficial for future scope?	✓			
6.	Do you feel competent and confident at the end of the course?		✓		
7.	Overall rating of certificate course	✓			

Please express your opinion about the program:

Handling of critical & sophisticated instruments become easy for us due to such a training program.

Any other comment:

We learn some novel things about various instruments.

Name: Ahire Jagruti Ravindra.

Email and Mobile No: .....



*Joan*  
**PRINCIPAL**  
H.R. Patel Institute of Pharmaceutical  
Education & Research  
Shirpur Dist. Dhule (M.S.) 425 405

*Ahile*  
Sign of trainee

H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

2<sup>nd</sup> September 2019 - 7<sup>th</sup> September 2019

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1.	Relevance of Topic	✓			
2.	Session contents	✓			
3.	Whether this course meets your expectations?	✓			
4.	Venue and facilities		✓		
5.	Was the course being beneficial for future scope?		✓		
6.	Do you feel competent and confident at the end of the course?		✓		
7.	Overall rating of certificate course		✓		

Please express your opinion about the program:

We have become very friendly regarding the handling of some sophisticated instruments.

Any other comment:

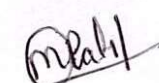
We gained more knowledge regarding equipment handling

Name: Patil Mihal Ravindra

Email and Mobile No: .....



  
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H.R. Patel Institute of Pharmaceutical  
Education & Research  
Shirpur Dist. Dhule - 431 25 405

  
Sign of trainee

H R Patel Institute of Pharmaceutical Education & Research

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"Hands-on Training of Sophisticated Instruments"

2<sup>nd</sup> September 2019 - 7<sup>th</sup> September 2019

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[Tick in appropriate Box].

Sr. No.	Particulars	Excellent	Good	Average	Poor
1.	Relevance of Topic	<input checked="" type="checkbox"/>			
2.	Session contents	<input checked="" type="checkbox"/>			
3.	Whether this course meets your expectations?	<input checked="" type="checkbox"/>			
4.	Venue and facilities		<input checked="" type="checkbox"/>		
5.	Was the course being beneficial for future scope?	<input checked="" type="checkbox"/>			
6.	Do you feel competent and confident at the end of the course?	<input checked="" type="checkbox"/>			
7.	Overall rating of certificate course		<input checked="" type="checkbox"/>		

Please express your opinion about the program:

Due to this training program we was become familiar with some instruments.

Any other comment:

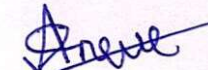
Main thing is that we learned those things which was missed by us.

Name: Neve Ankita Umesh

Email and Mobile No:



  
**PRINCIPAL**  
H.R. Patel Institute of Pharmaceutical  
Education & Research  
Shirpur Dist. Dhule (M.S.) 425 405

  
Sign of trainee



H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

2<sup>nd</sup> September 2019 - 7<sup>th</sup> September 2019

FEEDBACK FORM

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Sr. No.	Particulars	Excellent	Good	Average	Poor
1.	Relevance of Topic		<input checked="" type="checkbox"/>		
2.	Session contents		<input checked="" type="checkbox"/>		
3.	Whether this course meets your expectations?		<input checked="" type="checkbox"/>		
4.	Venue and facilities	<input checked="" type="checkbox"/>			
5.	Was the course being beneficial for future scope?		<input checked="" type="checkbox"/>		
6.	Do you feel competent and confident at the end of the course?		<input checked="" type="checkbox"/>		
7.	Overall rating of certificate course		<input checked="" type="checkbox"/>		

Please express your opinion about the program:

Because of this training program we have become confident regarding practical hand.

Any other comment:

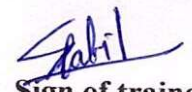
This program gives us best knowledge regarding instruments.

Name: Patil Sagar Ravindra

Email and Mobile No: .....



  
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2<sup>nd</sup> September 2019 - 7<sup>th</sup> September 2019

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1.	Relevance of Topic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Session contents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Whether this course meets your expectations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Venue and facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Was the course being beneficial for future scope?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Do you feel competent and confident at the end of the course?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Overall rating of certificate course	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please express your opinion about the program:

Excellent training program which was held by our institute.

Any other comment:

Plenty of doubts & difficulties regarding equipment handling have been clear

Name: Rajput Mahesh Anil

Email and Mobile No: .....



Principal  
H.R. Patel Institute of Pharmaceutical Education & Research  
Shirpur Dist.Dh. 425 405

Sign of trainee

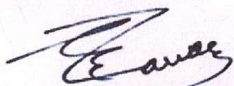
Shirpur Education Society's

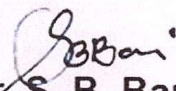


# H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur (M.S)

## CERTIFICATE OF APPRECIATION

This certificate is presented to Mr/Ms. \_\_\_\_\_ for  
his/her active participation in "Hands-on Training of Sophisticated  
Instruments" in Academic Year 2019-2020 (2<sup>nd</sup> September 2019 - 7<sup>th</sup> September  
2019) organized by Department of Pharmaceutics and Quality Assurance,  
H. R. Patel Institute of Pharmaceutical Education and Research Shirpur Dist.  
Dhule.

  
Dr. L. R. Zawar  
Co-ordinator

  
Dr. S. B. Bari  
Principal

  
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M.L.A.

**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

**Date: 27/08/2018**

### Notice


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Course Details: "Hands-on Training of Sophisticated Instruments".


Duration: 3<sup>rd</sup> September 2018 to 8<sup>th</sup> September 2018.

Time: 11.00 am to 5.30 pm

Venue: M.Pharm Classroom / Laboratory

  
**Dr. L R Zawar**  
Co-Ordinator



  
**Dr. S B Bari**  
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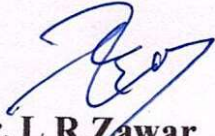
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Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

3<sup>rd</sup> September 2018 - 8<sup>th</sup> September 2018.

"Hands-on Training of Sophisticated Instruments"				
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**President :**  
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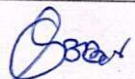
**Principal :**  
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M.Pharm. Ph.D., D.I.M.F.J.C.

**List of Students Participated in Add on Certificate Course on, "Hands-on Training of Sophisticated Instruments"**

Sr. No	Name of the Student	Specialization
1	DABHADE MANOJ KAILAS	PHARMACEUTICS
2	BADHE SHUBHAM PRADIP	PHARMACEUTICS
3	MEMANE BHUSHAN SANJAY	PHARMACEUTICS
4	NAFADE DIPTI PUNDLIK	PHARMACEUTICS
5	BADGUJAR SNEHA RAJU	PHARMACEUTICS
6	DALVI MEGHA GOVINDA	PHARMACEUTICS
7	PATEL PIYUSH LIMJI	PHARMACEUTICS
8	PATIL SAGAR PUNDLIK	PHARMACEUTICS
9	PATIL ROHINI RAMESH	PHARMACEUTICS
10	LOHAR DHANSHREE MOHAN	PHARMACEUTICS
11	MAHAJAN YOGESH DEORAM	PHARMACEUTICS
12	MORE ASHWINI DNYANESHWAR	QUALITY ASUURANCE
13	KHATIK ZABIULLAH KHALIL AHEMAD	QUALITY ASUURANCE
14	QUAZI WASIL HAFIZ JALEES AHEMAD	QUALITY ASUURANCE
15	ANSARI FIROZ AHMAD JAWEED AHMED	QUALITY ASUURANCE
16	SONWANE SAGAR KHUSHAL	QUALITY ASUURANCE
17	KOLI ATUL NANABHAU	QUALITY ASUURANCE
18	SONWANE JITENDRA KAILAS	QUALITY ASUURANCE
19	PATIL TUSHAR RAWAN	QUALITY ASUURANCE
20	HANDAL RAMCHANDRA MANJABA	QUALITY ASUURANCE
21	PATIL PRAMOD GOPAL	QUALITY ASUURANCE
22	SHARMA MINAKSHI RAMNIVAS	QUALITY ASUURANCE
23	PAWARA RAHUL BANSILAL	QUALITY ASUURANCE
24	BAGAD CHETAN UDDHAV	QUALITY ASUURANCE
25	MALI GOPAL RAMESH	QUALITY ASUURANCE

  
**Dr. L R Zawar**  
Co-Ordinator



  
**Dr. S. B. Bari**  
**PRINCIPAL**  
H.R. Patel Institute of Pharmaceutical  
Education & Research  
Shripur Dist. Dhule (M.S) 425 405

The Shripur Education Society's  
H. R. Patel Institute of Pharmaceutical Education and Research  
'Serving Nation's Health'

Karwand Naka, Shripur - 425405, Dist : Dhule (MS).

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Ⓜ <http://www.hrpatelpharmacy.co.in> ✉ [principal@hrpatelpharmacy.co.in](mailto:principal@hrpatelpharmacy.co.in), [registrar@hrpatelpharmacy.co.in](mailto:registrar@hrpatelpharmacy.co.in)



President :  
Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

### Attendance Report

Sr. No	Name of the Student	03/09/2018	04/09/2018	06/09/2018	07/09/2018	08/09/2018
1	DABHADE MANOJ KAILAS	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
2	BADHE SHUBHAM PRADIP	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
3	MEMANE BHUSHAN SANJAY	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
4	NAFADE DIPTI PUNDLIK	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
5	BADGUJAR SNEHA RAJU	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
6	DALVI MEGHA GOVINDA	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
7	PATEL PIYUSH LIMJI	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
8	PATIL SAGAR PUNDLIK	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
9	PATIL ROHINI RAMESH	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
10	LOHAR DHANSHREE MOHAN	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
11	MAHAJAN YOGESH DEORAM	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
12	MORE ASHWINI DNYANESHWAR	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
13	KHATIK ZABIULLAH KHALIL AHEMAD	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
14	QUAZI WASIL HAFIZ JALEES AHEMAD	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
15	ANSARI FIROZ AHMAD JAWEED AHMED	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
16	SONWANE SAGAR KHUSHAL	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
17	KOLI ATUL NANABHAU	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
18	SONWANE JITENDRA KAILAS	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
19	PATIL TUSHAR RAWAN	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
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21	PATIL PRAMOD GOPAL	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
22	SHARMA MINAKSHI RAMNIVAS	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
23	PAWARA RAHUL BANSILAL	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
24	BAGAD CHETAN UDDHAV	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>
25	MALI GOPAL RAMESH	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>	<i>(Signature)</i>

*(Signature)*  
Dr. L R Zawar  
Co-Ordinator



*(Signature)*  
Dr. S. B. Bari  
**PRINCIPAL**  
H.R. Patel Institute of Pharmaceutical  
Education & Research  
Shirpur Dist. Dhule (M.S) 425 405.

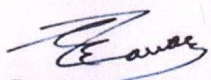


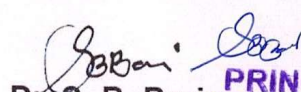
Shirpur Education Society's

## H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur (M.S)

# CERTIFICATE OF APPRECIATION

This certificate is presented to Mr/Ms. \_\_\_\_\_ for his/her active participation in “**Hands-on Training of Sophisticated Instruments**” in Academic Year 2018-2019 (3<sup>rd</sup> September 2018 - 8<sup>th</sup> September 2018) organized by Department of Pharmaceutics and Quality Assurance, H. R. Patel Institute of Pharmaceutical Education and Research Shirpur Dist. Dhule.

  
Dr. L. R. Zawar  
Co-ordinator

  
Dr. S. B. Bari  
Principal

**PRINCIPAL**  
H. R. Patel Institute of Pharmaceutical  
Education & Research  
Shirpur Dist. Dhule (M.S) 425 405








**President :**  
Shri Amrishbhai R. Patel  
M.L.A.


**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

**Activity report**  
Submitted to  
**The Principal,**  
**H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur**

<b>Name of Activity</b>	"Hands-on Training of Sophisticated Instruments"
<b>Organizer</b>	H R Patel Institute of Pharmaceutical Education and Research
<b>Venue</b>	M.Pharm Classroom and Laboratories
<b>Name of Speaker</b>	Detailed Schedule is enclosed
<b>Date of activity</b>	3 <sup>rd</sup> September 2018 to 8 <sup>th</sup> September 2018
<b>Objectives</b>	The objectives of the "Hands-on Training of Sophisticated Instruments" course were to provide students with practical experience in using instruments commonly utilized in the pharmaceutical industry.
<b>In charge</b>	Dr. Laxmikant Ramvallabh Zawar
<b>Number of Participant</b>	25
<b>Brief Report on activity</b>	The "Hands-on Training of Sophisticated Instruments" course provided students with practical experience in utilizing instruments commonly used in the pharmaceutical industry, including electronic weighing balance, pH meter, refractometer, conductometer, and colorimeter. Students learned the principles and applications of UV Spectroscopy, constructing calibration curves, and performing UV assays. Practical exercises were conducted to reinforce their understanding. Students were also introduced to HPLC, where they observed instrument setup and performed HPLC analysis, interpreting chromatograms. The course covered formulation development of oral solid dosage forms, including excipient selection, granulation techniques, and tablet compression. Practical evaluations were conducted for weight variation, hardness, friability, and disintegration. Additionally, students gained familiarity with specific instruments such as the Bulk Density Apparatus, Roche's Friabilator, Hardness Tester, Disintegration Apparatus, and Particle Size Analyzer, conducting experiments to determine particle size and zeta potential.
<b>Outcome</b>	the "Hands-on Training of Sophisticated Instruments" course equipped students with practical skills in operating a wide range of instruments used in the pharmaceutical industry. Through hands-on experience and practical exercises, students gained proficiency in UV Spectroscopy, HPLC analysis, formulation development, and evaluation of oral solid dosage forms. This comprehensive training will enable them to confidently apply their knowledge and skills in real-world pharmaceutical settings.

  
**Dr. L R Zawar**  
Co-Ordinator



  
**Dr. S. B. Bari**  
**PRINCIPAL**  
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Shirpur Dist.Dhule(M.S) 425 405

H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

3<sup>rd</sup> September 2018 - 8<sup>th</sup> September 2018

FEEDBACK FORM

We expect assessment of this event from you and request that you to share your ideas and suggestions. This feedback will help us in planning future events. Thank you.

Please comment on aspects of Training Program using the following rating.

[Tick in appropriate Box].

Sr. No.	Particulars	Excellent	Good	Average	Poor
1.	Relevance of Topic	<input checked="" type="checkbox"/>			
2.	Session contents	<input checked="" type="checkbox"/>			
3.	Whether this course meets your expectations?	<input checked="" type="checkbox"/>			
4.	Venue and facilities	<input checked="" type="checkbox"/>			
5.	Was the course being beneficial for future scope?	<input checked="" type="checkbox"/>			
6.	Do you feel competent and confident at the end of the course?		<input checked="" type="checkbox"/>		
7.	Overall rating of certificate course	<input checked="" type="checkbox"/>			

Please express your opinion about the program:

The crew organized programme. They increased our knowledge regarding instrument handling.

Any other comment:

Doubt & difficulties are cleared.

Name: Badhe Shubham Sanjay.

Email and Mobile No:



  
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Shirpur Dist. Dhule (M.S.) 425 405

  
Sign of trainee  
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H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

3<sup>rd</sup> September 2018 - 8<sup>th</sup> September 2018

FEEDBACK FORM

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[Tick in appropriate Box].

Sr. No.	Particulars	Excellent	Good	Average	Poor
1.	Relevance of Topic	<input checked="" type="checkbox"/>			
2.	Session contents		<input checked="" type="checkbox"/>		
3.	Whether this course meets your expectations?	<input checked="" type="checkbox"/>			
4.	Venue and facilities		<input checked="" type="checkbox"/>		
5.	Was the course being beneficial for future scope?	<input checked="" type="checkbox"/>			
6.	Do you feel competent and confident at the end of the course?	<input checked="" type="checkbox"/>			
7.	Overall rating of certificate course	<input checked="" type="checkbox"/>			

Please express your opinion about the program:

Well organized program.

Any other comment:

learn some new thing regarding instruments

Name: Patil Rohini Ramesh

Email and Mobile No:



*[Signature]*

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*[Signature]*  
Sign of trainee

H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

3<sup>rd</sup> September 2018 - 8<sup>th</sup> September 2018

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[Tick in appropriate Box].

Sr. No.	Particulars	Excellent	Good	Average	Poor
1.	Relevance of Topic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Session contents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Whether this course meets your expectations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Venue and facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Was the course being beneficial for future scope?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Do you feel competent and confident at the end of the course?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Overall rating of certificate course	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please express your opinion about the program:

..... Thank you very much for organizing this  
..... interesting conference. ....

Any other comment:

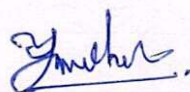
.....  
.....

Name: Mahajan Jagdish Desai

Email and Mobile No: .....



  
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Education & Research  
Shirpur Dist. Dhule (M.S) 425 405

  
Sign of trainee

H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

3<sup>rd</sup> September 2018 - 8<sup>th</sup> September 2018

FEEDBACK FORM

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Please comment on aspects of Training Program using the following rating.

[Tick in appropriate Box].

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1.	Relevance of Topic		<input checked="" type="checkbox"/>		
2.	Session contents		<input checked="" type="checkbox"/>		
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5.	Was the course being beneficial for future scope?	<input checked="" type="checkbox"/>			
6.	Do you feel competent and confident at the end of the course?		<input checked="" type="checkbox"/>		
7.	Overall rating of certificate course		<input checked="" type="checkbox"/>		

Please express your opinion about the program:

..... Thank you very much for allow us to  
..... understand the knowledge about the instruments.

Any other comment:

.....

Name: memane shubham s.

Email and Mobile No: .....



  
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Education & Research  
Bhirpur Dist. Dhule (M.S) 425 405

  
Sign of trainee

H R Patel Institute of Pharmaceutical Education & Research

Organized, Add on Certificate Course

"Hands-on Training of Sophisticated Instruments"

3<sup>rd</sup> September 2018 - 8<sup>th</sup> September 2018

FEEDBACK FORM

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[Tick in appropriate Box].

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2.	Session contents		<input checked="" type="checkbox"/>		
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4.	Venue and facilities			<input checked="" type="checkbox"/>	
5.	Was the course being beneficial for future scope?		<input checked="" type="checkbox"/>		
6.	Do you feel competent and confident at the end of the course?	<input checked="" type="checkbox"/>			
7.	Overall rating of certificate course		<input checked="" type="checkbox"/>		

Please express your opinion about the program:

..... well organised program.....

Any other comment:

Name: ..... Patil Sagar Pundlik.....

Email and Mobile No: .....



*Sagar*  
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Shirpur Dist. Dhule (M.S) 425 405

*Patil*  
Sign of trainee