



**CENTRE FOR CONTINUING
EDUCATION, GTU CERTIFIED
SHORT TERM TRAINING
PROGRAMS**



**PRACTICAL HANDS-ON HIGH-PERFORMANCE LIQUID
CHROMATOGRAPHY (HPLC)**

ORGANIZED BY
**SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF
PHARMACY, VIDYABHARTI TRUST, UMRAXH, BARDOLI**
REPORT
(4th HPLC BATCH- MARCH 2023)



Centre for Continuing Education, GTU CERTIFIED SHORT TERM TRAINING PROGRAMS
Practical Hands-on High-Performance Liquid Chromatography (HPLC)
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INDEX (4th HPLC BATCH- MAR 2023)

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ABOUT GUJARAT TECHNOLOGICAL UNIVERSITY (4th HPLC BATCH- MAR 2023)

1. ABOUT GUJARAT TECHNOLOGICAL UNIVERSITY:

Gujarat Technological University is a premier academic and research institution which has driven new ways of thinking since its 2007 founding, established by the Government of Gujarat vide Gujarat Act No. 20 of 2007. Gujarat Technological University is international innovative university accredited with A+ grade by NAAC. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. GTU is a State University with 486 affiliated colleges in its fold operating across the state of Gujarat through its FIVE zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science. The University has about 4,00,000 students enrolled in a large number of Diploma, Under Graduate, Post Graduate programs along with the robust Doctoral program.

Our education empowers individuals to challenge conventional thinking in pursuit of original ideas. With a commitment to free and open inquiry, our scholars work transforms the way we understand the world, advancing – and creating – fields of study.

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ABOUT THE COLLEGE (4th HPLC BATCH- MAR 2023)

2. ABOUT THE COLLEGE

Shree N. L. Patel College of Pharmacy, Umrakh was established in the year 2004 under the aegis of Vidyabharti Trust with main objective of visionary in the mission of quality Pharmacy education. This college is located on the way of Bardoli-Mota road, 3 kilometer away from Bardoli and 34 kilometers away from Surat in a lush green sprawling campus with sufficient infrastructure facilities. The college is approved by the Pharmacy Council of India (PCI), New Delhi, All India Council for Technical Education (AICTE), New Delhi, recognized by Government of Gujarat and affiliated to Gujarat Technological University (GTU), Ahmedabad. Accredited by NBA, New Delhi (B. Pharmacy Course upto June 2024).

At this moment, Shree N. L. Patel College of Pharmacy offers B. Pharm and M. Pharm course in Pharmaceutics, Quality Assurance & Pharmacology to input the knowledge and to empower individuals with wisdom to prepare a pharmacist of the future.

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ABOUT COURSE (4th HPLC BATCH- MAR 2023)

3. ABOUT COURSE

GTU certified short term training programs and workshops on – HPLC organized by Shree Naranjibhai Lalbhai Patel college of Pharmacy, Vidyabharti Trust, UmraKh, Bardoli.

Course Coordinator: Dr. Ashok H.

Akabari

Course Duration: 1.5 Months (Total Hrs: 60)

- Course material will be provided from the institute.

ELIGIBILITY:

Fresher / Experience with B.Sc./M.Sc./B. Pharm/M. Pharm/ B.E. Chemical

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SIGNIFICANCE OF COURSE (4th HPLC BATCH- MAR 2023)

4. SIGNIFICANCE OF COURSE

Students who are pursuing their studies or have completed study and want to enter in pharmaceutical industry can join any of our courses as per his/her interest.

1. This course is ideal for those who are new to HPLC.
2. This course is ideal for those who have experience running HPLC methods and now want to learn how to develop new methods.
3. This course is ideal for those who have experience using HPLC and now want to develop their skills further
4. This course is ideal for those who have experience developing HPLC methods but want to increase their knowledge to deal with more challenging separations.

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COURSE OBJECTIVE (4th HPLC BATCH- MAR 2023)

5. COURSE OBJECTIVE:

- To learn the basic fundamentals and concepts of HPLC instrument.
- To apply the knowledge of HPLC to analyze drug in bulk and pharmaceutical dosage form.
- To develop a new HPLC method for the analysis of drug in bulk and pharmaceutical dosage form.
- To understand the fundamentals and concepts of Pharmaceutical Method Validation as per ICH guidelines.
- To develop skilled person as per the need of industrial requirement to smoothing the function as well as to save the training period of newly graduate enter to the industries.

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COURSE OUTCOME (4th HPLC BATCH- MAR 2023)

6. COURSE OUTCOME:

After successful completion of 4th batch of short-term course on HPLC every participant is eligible to get certificate and learn following skill.

- 1. Participant learn to Run HPLC Methods:** Participant learn how to set up and run HPLC analysis with full understanding of all the method parameters such as the column, the mobile phase, the instrumentation, and sample preparation, and how to interpret and quantify the results of the analysis.
- 2. Participant has getting ability to Develop New HPLC Methods:** Participant learn how to select appropriate method conditions and perform suitable investigative experiments to obtain a set of method parameters which enables the desired separation for mixtures of analytes.
- 3. Participant acquires the knowledge of Troubleshoot HPLC:** Participant learn how to find solutions for problems encountered when running HPLC analysis by diagnosing symptoms and implementing appropriate preventative measures.
- 4. Participant learns to Develop HPLC Methods for Challenging Separations:** Participant has learn to implement strategies to achieve satisfactory separation for 'complex' samples and use computer modelling to develop robust and fit for purpose HPLC methods.

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RESOURCE PERSON PROFILE (4th HPLC BATCH- MAR 2023)

7. Resource Person Profile

Name of Resource Person	Designation and Address
Mr. Gunvat Yadav	Industry Resource Person, Spinco Biotech
Mr. Sarojkumar Somabhai Katara	Industry Resource Person, Spinco Biotech
Dr. Shailesh Lohar	Director, Smt. B.N.B. Swaminarayan Pharmacy College, Salvav
Dr. Vishnu Sutariya	Head of Shree Dhanvantary Pharmaceutical Analysis & Research Center, Kim
Dr. Dimal Shah	Professor, Indukaka Ipcowala College of Pharmacy, Charotar Vidya Mandal University, V V Nagar
Dr. Usangani Chhalotiya	Associate Professor, Indukaka Ipcowala College of Pharmacy, Charotar Vidya Mandal University, V V Nagar
Dr. Kashyap Thummar	Assistant Professor, Graduate School of Pharmacy, GTU Gandhinagar
Mrs. Shetal Bharatbhai Desai	Assistant Professor at Smt B.N.B. Swaminarayan Pharmacy college, Salvav
Dr. Ashok H AKabari	Associate Professor, Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh
Dr. Jasmina Surati	Associate Professor, Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh
Mr. Sagar Patel	Assistant Professor Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh
Mrs. Divya Solanki	Assistant Professor Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh

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DATE AND SESSION-WISE COURSE CONTENT DELIVERED (4th HPLC BATCH - MAR 2023)

8. DATE AND SESSION-WISE COURSE CONTENT DELIVERED

Theory Class				
Date	Faculty Name (1)	Time	Faculty Name (2)	Time
18/11/2022	Inaugural Function	10.00 to 10.30	Dr. Ashok H. AKabari	10.30 to 12.00
19/11/2022	Dr. Ashok H. AKabari	01.00 to 02.03	Dr. Ashok H. AKabari	02.05 to 03.05
24/11/2022	Dr. Jasmina Surati	01.00 to 02.02	Dr. Jasmina Surati	02.05 to 03.05
25/11/2022	09.30 to 11.30	Development of LC methods: Points to ponder by Dr. Dimal Shah Professor, Indukaka Ipcowala College of Pharmacy, Charotar Vidya Mandal University, V V Nagar		
26/11/2022	09.30 to 11.30	Validation of LC methods: ICH and USP perspective. By Dr. Usmangani chhalotiya, Asso. Professor, Indukaka Ipcowala College of Pharmacy, Charotar Vidya Mandal University, V V Nagar		
01/12/2022	Mr. Sagar Patel	01.00 to 02.05	Mr Sagar Patel	02.05 to 03.05
02/12/2022	Mr. Sagar Patel	01.00 to 02.04	Mr Sagar Patel	02.05 to 03.05
03/12/2022	01.00 to 05.00	Industry Resource Person (Mr. Gunvat Yadav, Spino Biotech) and (Sarojkumar Somabhai Katara, Spino Biotech) Virtual lab Demonstration		
08/12/2022	Dr. Ketan V. Shah	01.00 to 02.03	Dr. Ketan V. Shah	02.05 to 03.05
09/12/2022	Dr. Jasmina Surati	01.00 to 02.02	Dr. Jasmina Surati	02.05 to 03.05
10/12/2022	01.00 to 03.00	Resource Person (GTU). Dr. Kashyap Thummar- Assistant Professor, Graduate School of Pharmacy, GTU Gandhinagar		
16/12/2022	01.00 to 02.00	Resource Person – Dr. Shailesh Lohar - Director, Smt. B.N.B. Swaminarayan Pharmacy College, Salvav		
16/12/2022	02.00 to 03.00	Resource Person – Mrs. Shetal Bharatbhai Desai- Assistant Professor, Smt B.N.B. Swaminarayan Pharmacy college, Salvav		

Date	Practical Class		
	Aim of Practical	Faculty Name	Time
10/03/23	Basic Step for HPLC operation	Dr. Vishnu Sutariya	9.30 am to 4.30 pm
13/03/23	Method development step for Paracetamol	Dr. Ashok Akabari	9.30 am to 4.30 pm
14/03/23	Validation of HPLC Method	Mr. Sagar Patel	9.30 am to 4.30 pm
15/03/23	Method development step for simultaneous analysis of two drug combination	Mr. Sagar Patel	9.30 am to 4.30 pm
16/03/23	Method development step for simultaneous analysis of two drug combination	Dr. Jasmina Surati	9.30 am to 4.30 pm
17/03/23	Method development step for simultaneous analysis of two drug combination	Dr. Jasmina Surati	9.30 am to 4.30 pm
18/03/2023	External Examination evaluation	Dr. Megha Shah Expert 1	Dr. Ashok Akabari Expert 2

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LIST OF PARTICIPANTS (4th HPLC BATCH- MAR 2023)

9. LIST OF PARTICIPANTS

Enrollment Number	Name of Participant	Email	Mobile Number
CCE00373001	Bhoi Ami Bhanubhai	amib.pharm@gmail.com	9662247591
CCE00373002	Jaiswal Nena Sanjaykumar	nenajaiswal06975@gmail.com	6354050991
CCE00373003	Machhi Bhaumik Rameshbhai	bhaumik1234567890@gmail.com	6353537768
CCE00373004	Maniar Vishruti Parasbhai	vpmaniar27@gmail.com	8128485732
CCE00373005	Pandya Shubham Chinmaykumar	pandyashubham36@gmail.com	7016114295
CCE00373006	Patel Ayushi Kirankumar	ayushi140599@gmail.com	9265568960
CCE00373007	Patel Dhara Kartikkumar	dharapatel0210@gmail.com	8511378380
CCE00373008	Patel Het Shailesh Bhai	patelhet1730@gmail.com	9601128308
CCE00373009	Patel Suvasi Shashikantbhai	suhasipatel31@gmail.com	7490032157
CCE00373010	Rathva Hetalben Vijaybhai	hetalrathva9876@gmail.com	8320742523
CCE00373011	Sharma Geetesh Dinesh	giteshsharma4538@gmail.com	9081316098
CCE00373012	Solanki Jagruti Sanjaybhai	solankijagruti992@gmail.com	9327002872
CCE00373013	Solanki Yuvrajsinh Fatesinh	yuvrajsinhs249@gmail.com	8128988423
CCE00373014	Soni Ronakkumar Sanjaybhai	sonironak67@gmail.com	8849857614
CCE00373015	Trivedi Parth Maheshbhai	parthtrivedi9871@gmail.com	9913463614
CCE00373016	Upadhyay Riya Jayendrakumar	riyaup22@gmail.com	8128281767

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SESSION-WISE ATTENDANCE OF PARTICIPANTS (4th HPLC BATCH- MAR 2023)

10. Session-wise Attendance of Participants

Enrollment Number	Name of Participant	Theory Attendance (In Percentage)	Practical Attendance (In Percentage)
CCE00373001	Bhoi Ami Bhanubhai	100 %	100 %
CCE00373002	Jaiswal Nena Sanjaykumar	100 %	100 %
CCE00373003	Machhi Bhaumik Rameshbhai	100 %	100 %
CCE00373004	Maniar Vishruti Parasbhai	100 %	100 %
CCE00373005	Pandya Shubham Chinmavkumar	100 %	100 %
CCE00373006	Patel Ayushi Kirankumar	100 %	100 %
CCE00373007	Patel Dhara Kartikkumar	100 %	100 %
CCE00373008	Patel Het Shailesh Bhai	100 %	100 %
CCE00373009	Patel Suvasi Shashikantbhai	100 %	100 %
CCE00373010	Rathva Hetalben Vijaybhai	100 %	100 %
CCE00373011	Sharma Geetesh Dinesh	100 %	100 %
CCE00373012	Solanki Jagruti Sanjaybhai	100 %	100 %
CCE00373013	Solanki Yuvrajsinh Fatesinh	100 %	100 %
CCE00373014	Soni Ronakkumar Sanjaybhai	100 %	100 %
CCE00373015	Trivedi Parth Maheshbhai	100 %	100 %
CCE00373016	Upadhyay Riya Jayendrakumar	100 %	100 %

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EVALUATION METHODOLOGY (4th HPLC BATCH- MAR 2023)

11. Evaluation Methodology

1. Students have to perform practical on HPLC. (On the basis of practical performance marks is given)
2. Students have to develop validation protocol for the analysis of drug by HPLC as per ICH guidelines. (On the basis of practical performance for the development of validation protocol marks is given)
3. Presentation by the candidate
4. Mock Interview
5. After Result of candidates (marks/grades) of Exam and Certificate will be issue by GTU.

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RESULT AFTER EVALUATION (4th HPLC BATCH- MAR 2023)

12. RESULT AFTER EVALUATION

Gujarat Technological University			
Centre for Continuing Education			
Marks of Learners (Internal & External)			
Course Name: Practical Hands-on High-Performance Liquid Chromatography (Batch 4)		Exam Date: 18/3/2023	Internal Examiner: Dr. Ashok HAKabari Shree N. L. Patel College of Pharmacy, Umrakh
Course Code: CCE0037		Exam Centre: Shree N. L. Patel College of Pharmacy, Umrakh	External Examiner: Dr. Megha Shah Associate Professor Laxminarayan Dev College of Pharmacy, Bharuch
Enrollment Number	Name of Learner	Obtained Internal	Obtained External Marks(out of 60)
CCE00373001	Bhoi Ami Bhanubhai	32	50
CCE0037300	Jaiswal Nena	31	49
CCE0037300	Machhi Bhaumik	30	50
CCE0037300	Maniar Vishruti	34	54
CCE0037300	Pandya Shubham	31	52
CCE0037300	Patel Ayushi	31	51
CCE0037300	Patel Dhara	30	52
CCE0037300	Patel Het Shailesh Bhai	31	53
CCE0037300	Patel Suvasi	30	51
CCE00373010	Rathva Hetalben	31	50
CCE00373011	Sharma Geetesh	34	54
CCE00373012	Solanki jagruti	31	52
CCE00373013	Solanki Yuvrajsinh	32	49
CCE00373014	Soni Ronakkumar	33	52
CCE00373015	Trivedi Parth	32	49
CCE00373016	Upadhyay Riya	33	53
Signature:		Signature:	
Name:		Name:	
Dr. Ashok H Akabari		Dr. Megha Shah	
Internal Examiner		External Examiner	

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FEEDBACK FROM PARTICIPANTS (4th HPLC BATCH- MAR 2023)	

13. FEEDBACK FROM PARTICIPANTS

Timestamp	How was the lecture of Mr. Gunvant Yadav on Complete step by step tutorial of HPLC software?	How was the lecture of Development of LC methods: Points to ponder by Dr. Shailesh Lohar ?	How was the lecture of Validation of LC methods: ICH and USP perspective By Dr. Usmangani chhalotiya?	How was the lecture of Dr Jasmina Surati on HPLC?	How was the lecture of Mr Sagar Patel on Validation parameter for HPLC method development ?	How was the lecture of Dr Ashok H AKabari on HPLC instrumentation?
18/03/2023 15:01:20	Excellent	Excellent	Good	Excellent	Excellent	Excellent
18/03/2023 15:06:17	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:06:20	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:06:44	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:07:30	Excellent	Excellent	Excellent	Excellent	Excellent	Good
18/03/2023 15:07:36	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:07:40	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:07:50	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:07:55	Excellent	Good	Excellent	Good	Good	Excellent
18/03/2023 15:08:21	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:08:35	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:08:42	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:08:45	Good	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:08:46	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:08:47	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
18/03/2023 15:08:52	Excellent	Excellent	Excellent	Good	Good	Excellent

How was the lecture of Dr Ketan V Shah on Basics of chromatography and HPLC?	How was the practical session of Dr Vishnu Sutariya on Basic Step for HPLC operation?	How was the practical session of Dr Ashok Akabari on Method development step for Paracetamol?	How was the practical session of Dr Jasmina Surati on Method development steps for simultaneous analysis of two drug combination?	How was the practical session of Mr Sagar Patel on Validation of HPLC Method?	How was the overall experience of HPLC course?
Excellent	Good	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
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Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Good	Excellent	Excellent	Good	Excellent	Excellent

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PHOTOGRAPHS OF COURSE (4th HPLC BATCH- MAR 2023)

14. Few Photographs of Course Content Delivery





Meet - rgz-ytka-wsn

meet.google.com/rgz-ytka-wsn

People

- Mute all
- Add people
- Principal SNLPCP, U... (You) Meeting host
- Ayushi Patel
- Bhaumik Machhi
- D. K. Patel
- Dhiren Shah
- Dhruvi Panchal
- divya solanki

9:55 AM | rgz-ytka-wsn

26°C Smoke

Zoom Meeting

You are viewing Sarojkumar Katara's screen

View Options

Participants: 25

Chat

Share Screen

Record

Reactions

Unmute

Stop Video

Leave

28°C Smoke

11:18 03-12-2022

HPLC - Basics & Troubleshooting

Webinar for

SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY, UMRACH, BARDOLI

ESTD. 2004

Presented by

SPINCO BIOTECH PVT LTD

BRINGING TECHNOLOGY, ENABLING SCIENCE

Zoom Meeting

You are viewing Sarojkumar Katara's screen

View Options

Participants (22)

Find a participant

AA ashok akabari (Me)

SK Sarojkumar Katara (Host)

AP Ayushi Patel

BM Bhoomika Malete

DP Dhruv Parmar

GS Galaxy S8+

GS Gitesh Sharma [55]

HR Hetal Rathwa

KM Krishna Mistry

Nidhi Tadvi

PT PARTH TRIVEDI

PH PATEL HETKUMAR SHAILESHBH...

PS Patel Suhani

Unmute Stop Video

Participants Chat Share Screen Record Reactions Leave

30°C Smoke


ENG IN

11:37 03-12-2022

SPINCO BIOTECH

Why use HPLC?

- High Resolution
- High Sensitivity (ppm-ppb)
- Good repeatability
- Small sample size
- Moderate analysis condition
 - no need to vaporize the sample like GC
- Easy to fractionate the sample and purify




ઉમરાખની ફાર્મસી કોલેજમાં શોર્ટ ટર્મ સ્કીલ પ્રોગ્રામ યોજાયો

ભાસ્કર ન્યૂઝ | બારડોલી

ઉમરાખની વિદ્યાભારતી ટ્રસ્ટની નારણજીભાઈ લાલભાઈ પટેલ કોલેજ ઓફ ફાર્મસીના વિદ્યાર્થીઓને સોફ્ટવેર ઈન્સ્ટ્રુમેન્ટ HPLC બેઝ સોફ્ટ સ્કીલ પ્રોગ્રામની સફળતાપૂર્વક પૂર્ણ કર્યો. આ ટ્રેનિંગ પ્રોગ્રામ ક્વોલિટી એસ્યોરન્સ ડીપાર્ટમેન્ટના હેડ અને એસોસિયેટ પ્રોફેસર ડૉ. અશોક અકબરીના નેતૃત્વ હેઠળ થયું હતું. સેન્ટર ફોર કંટીન્યુઈંગ એજ્યુકેશન, ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટીના, માધ્યમથી ઉમરાખમાં શોર્ટ ટર્મ ટ્રેનિંગ પ્રોગ્રામ યોજાયો હતો. આ પ્રોગ્રામમાં સિગ્મા ઈન્સ્ટિટ્યૂટ ઓફ ફાર્મસી, વડોદરા, ભગવાન મહાવીર કોલેજ ઓફ ફાર્મસી, સુરત તથા સિવિલ ટેસ્ટિંગ લેબોરેટરી, ઉમરાખના વિદ્યાર્થીઓએ ઉત્સાહપૂર્વક ભાગ લીધો હતો.



આ પ્રોગ્રામનો મુખ્ય હેતુ ઓન હાઈ પર્ફોર્મન્સ લિફ્ટિંગ કોમેટોગ્રાફી ઉપર તાલીમ લીધી હતી. આ પ્રોગ્રામમાં વિદ્યાર્થીઓને સંપૂર્ણ અને સચોટ માહિતી હેડ ઓફ ડિપાર્ટમેન્ટ અને એસોસિયેટ પ્રોફેસર ડૉ. અશોક અકબરી દ્વારા અપાઈ. આ ટ્રેનિંગ પ્રોગ્રામ માટે સમગ્ર માર્ગદર્શન કોલેજના આચાર્ય ડૉ. કેતન શહે આપવામાં આવ્યું હતું. આ ટ્રેનિંગ પ્રોગ્રામમાં એસોસિયેટ પ્રોફેસર ડૉ. જસ્મીના સુરતી, આસિસ્ટન્ટ પ્રોફેસર સાગર પટેલ તથા ફાર્માસ્યુટિકલ ઈન્સ્ટ્રીક્ટ અને ફાર્મસી વિદ્યાશાખાના વિવિધ expert દ્વારા ટ્રેનિંગ અપાઈ હતી.

બારડોલીની ઉમરાખ વિદ્યાભારતી દ્વારા સોફ્ટ સ્કીલ કાર્યક્રમ યોજાયો



| બારડોલી |

નારણજીભાઈ લાલભાઈ પટેલ કોલેજ ઓફ ફાર્મસી, વિદ્યાભારતી ટ્રસ્ટ ઉમરાખ, દ્વારા ફાર્મસીના વિદ્યાર્થીઓને સોફ્ટવેર ઈન્સ્ટ્રુમેન્ટ એચ.પી.એલ. સી. બેઝ સોફ્ટ સ્કીલ પ્રોગ્રામની સફળતાપૂર્વક પૂર્ણ કર્યો હતો. આ ટ્રેનિંગ પ્રોગ્રામ ક્વોલિટી એસ્યોરન્સ ડીપાર્ટમેન્ટના હેડ અને એસોસિયેટ પ્રોફેસર ડૉ. અશોક અકબરીના નેતૃત્વ હેઠળ થયું હતું. સેન્ટર ફોર કંટીન્યુઈંગ એજ્યુકેશન, ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટીના માધ્યમથી ઉમરાખ ખાતે આવેલી નારણજીભાઈ લાલભાઈ પટેલ કોલેજ ઓફ ફાર્મસીમાં શોર્ટ ટર્મ ટ્રેનિંગ પ્રોગ્રામ યોજાયો હતો. આ પ્રોગ્રામમાં સિગ્મા ઈન્સ્ટિટ્યૂટ ઓફ ફાર્મસી, વડોદરા, ભગવાન મહાવીર કોલેજ ઓફ ફાર્મસી, સુરત તથા સિવિલ ટેસ્ટિંગ લેબોરેટરી, ઉમરાખના વિદ્યાર્થીઓએ ઉત્સાહપૂર્વક ભાગ લીધો હતો.

આ પ્રોગ્રામનો મુખ્ય હેતુ પ્રેક્ટીકલ હેન્ડસ ઓન હાઈ પર્ફોર્મન્સ લિફ્ટિંગ કોમેટોગ્રાફી પર હતો. આ ટ્રેનિંગમાં વિવિધ મુદ્દાઓ વિશે ઝીણવટપૂર્વક માહિતી આપવામાં આવી હતી. જેમાં સિસ્ટમ સ્યુટેબિલિટી જેવા કે રિઝોલ્યુશન, થીઓરિટીકલ પ્લેટ અને ટેઈલિંગ ફેક્ટરી આ ઉપરાંત ટૂબલ શૂટિંગ એન્ડ મેથડ વેલીડેશન વિશે ઉડાણપૂર્વક વર્કશોપ કર્યો હતો. આ પ્રોગ્રામનો સમયગાળો ૧૮ મી નવેમ્બર ૨૦૨૨ થી ૧૮ મી માર્ચ ૨૦૨૩ સુધીનો હતો.

Divya Bhaskar date: 22/03/23

Sandesh date: 22/03/23