CENTRE FOR CONTINUING EDUCATION, GTU CERTIFIED

SHORT TERM CERTIFICATE COURSE

QUALITY BY DESIGN APPROACH FOR PHARMACEUTICAL FORMULATION & ANALYTICAL METHOD DEVELOPMENT

ORGANIZED BY

SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY, VIDYABHARTI TRUST, UMRAKH, BARDOLI.

REPORT

(2nd QbD BATCH (Oct 2025 -Feb 2026))





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1. COURSE OBJECTIVE:

Upon completion of this course, it is expected that students will be able to,

✓ To understand QbD for product development and AQbD for API analytical methods development.

✓ To identify and learn QbD & AQbD key tools like:

- Identification of TQPP (Product Development) & ATP (Analytical Target Profile),
- CQA (Critical Quality Attributes- CMAs & CPAs) with risk assessment,
- Optimization and Development with DoE,
- MODR (method/product operable design region),
- Control Strategy & validation analysis,

Continuous method Monitoring (CMM).

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2. LIST OF PARTICIPANTS

Sr. No.	Name of Students	Email	Organization Name	Mobile Number	Qualification
1	Shah Maitri Bhaveshkumar	shahmaitri1972@gmail.com	KB Raval College Of Pharmacy	8866956736	M.pharm pursuing
2	Nayka Nidhikumari Bhikhubhai	nidhinayka20@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh	9327372968	B.Pharm (Pursuing - M.pharm)
3	Patel Mital Nileshbhai	mitalpatel010803@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh	9737732241	B.Pharm (Pursuing - M.pharm)
4	Parmar Krishna Jayantkumar	krishnaparmar2906@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh	9016672741	M.pharm pursuing
5	Patel Bhoomi Bharatbhai	bp15032004@gmail.com	Tathya Pharmacy College	8141303373	B.Pharm
6	Patel Rahul Pralhad	rr327775@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	7020016354	M.pharm pursuing
7	Lad Dipali Gamanbhai	dipalilad005@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	8866244790	B.pharm, M.pharm (pursuing)
8	Halpati Vishakhakumari Bharat Bhai	vishurathod2712@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9909924467	B.pharm, M pharm (pursuing)
9	Lad Jhanvi Sanjay	jslad2002@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9313238831	M.pharm pursuing
10	Modi Harshika Sanjaykumar	drxharshikamodi@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	7778037847	M. Pharm pursuing
11	Komal Ashit Zaveri	komal2002zaveri@gmail.com	Drs.Kiran & Pallavi Patel Global University	9429831021	M.pharm pursuing
12	Reddy B Aarti Someshwarrao	ar988011@gmail.com	Drs.Kiran And Pallavi Patel Global University	9427382217	M.pharm pursuing
13	Prajapati Maahi Sumankumar	maahi2952001@gmail.com	A-One Pharmacy College, Snme Campus	7621856189	Master of Pharmacy
14	Rahul Pravinbhai Parmar	rahulparmarcollege@gmail.com	Drs.Kiran & Pallavi Patel Global University	7624062778	M.pharm pursuing
15	Desai Dhvani Ashishbhai	dhvanidesai224@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9925802204	M.pharm pursuing
16	Prajapati Siddhi Mukeshbhai	Siddhiprajapati0306@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9998328489	M. Pharm pursuing
17	Chudasama Swati Hirenkumar	chudasamaswati69@gmail.com	Ds. Kiran And Pallavi Patel Global University	9104475175	M. Pharm
18	Mausmi Hiren Dhivar	mausmidhivar13@gmail.com	Tathya Pharmacy College	9664551962	Ph.D pursuing
19	Tamakuwala Tushar Mitulkumar	tamakuwalatushar@gmail.com	Ramanbhai Patel College Of Pharmacy (RPCP) (CHARUSAT)	9428001646	M.Pharm Pharmaceutical Quality Assurance
20	Pandya Hetvi Bharatkumar	hbp2212@gmail.com	Ramanbhai Patel College Of Pharmacy	87340 06497	M. Pharm Pharmaceutical Quality Assurance
21	Gamit Maitri Kumari Thakorbhai	maitrigamit1224@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	6353631911	M.pharm pursuing

22	Bhathiwala Bhargaviben Sureshbhai	bbhathiwala@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9081238209	B.Pharm complete, M.Pharm pursuing
23	Raval Komal Bhaveshbhai	ravalkomalb30@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9106109123	B.Pharm
24	Naik Krishna Niketanbhai	naikkrishna3902@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9173780386	M. Pharm pursuing
25	Talaviya Devangi Alpeshbhai	devangitalaviya8551@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9913656104	M.pharm pursuing
26	Sarvaiya Bhumi Raghubhai	sarvaiyabhumi19@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9909606866	B.pharm
27	Nehal Vyom Rana	nehalrana551@gmail.com	S.S.Agrawal Institute Of Pharmacy	8866108607	Ph.d pursuing
28	Shah Priyangi Himanshukumar	priyangishah9@gmail.com	S.S.Agrawal Institute Of Pharmacy	9978172140	Mpharm
29	Upadhyay Palak Ashok	upadhyaypalak05@gmail.com	Bhagwan Mahavir College Of Pharmacy	8469619542	M.pharm pursuing
30	Gamit Harshkumar Shankarbhai	harshgamit2212@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	8128234848	M.pharm pursuing
31	Chaudhari Ayushi Chetan	ayushichaudhari61@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9510514732	M.pharm pursuing
32	Modi Yagneshkumar Dipakbhai	ymodi29599@gmail.com	Pioneer Pharmacy College	9586992480	M. Pharm
33	Prajapati Prachi J	rxprachiprajapati03@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9316574229	M. Pharm pursuing
34	Mistry Dhruv Hemantbhai	dhruvmistry2003md@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9428144554	M.pharm pursuing
35	Patel Pratikkumar Dalpatbhai	pratikkumar7861@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9624985340	M. Pharm pursuing
36	Dhananjay A. Gamit	jayeshgamit778@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	9313749959	M. Pharm pursuing
37	Pawar Nisha Prashantkumar	nishapawarnishapawar1@gmail.com	Smt.S.M. Shah Pharmacy College	9104553348	M.pharm pursuing
38	Gamit Jainishaben Subhashbhai	gamitjainisha799@gmail.com	Shree Naranjibhai Lalbhai Patel College Of Pharmacy, Umrakh.	6352747695	M.pharm
39	Nakul Kumar	nakulbpharma2003@gmail.com	Gurugram University	9896788632	Bharma 4 year 7 semester
40	Solanki Mudra Prakashbhai	mudrasolanki28@gmail.com	Gujarat Technological University	7874409641	Pursuing Ph.D (Pharmacy)
41	Shukla Rashmi Rammilan	shuklarashmi255@gmail.com	Smt. S. M. Shah Pharmacy College	6355937965	M.Pharm, Ph.D. (Pursuing)
42	Rana Kavita Alpeshkumar	kavitaarana18701@gmail.com	Vidyadeep University, Anita	8347386658	Ph.d Pursuing
43	Patel Brijesh Bhavinbhai	brijesh81530@gmail.com	Shree Laxminarayan Dev College Of Pharmacy,Bholav,Bharuch	6353947856	M.Pharm (Running)
44	Desai Grishmaben Ketanbhai	g77desai@gmail.com	Bhagwan Mahavir College Of Pharmacy	7874057300	M.Pharm , Pursuing Ph. D
45	Patel Nidhiben Nareshkumar	nnidhipatel052@gmail.com	Itm Sls Baroda University	8160040001	Ph.d Pursuing
46	Preetiben Nareshkumar Yadav	yadavpreeti016@gmail.com	Smt. S M. Shah Pharmacy College. Mahemdavad	7041890658	B.pharm, M.Pharm, Ph.D pursing
47	Himadri Raval	ravalhimadri@gmail.com	Smt. S M. Shah Pharmacy College. Mahemdavad	9484547746	M.pharm pursuing

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3. DETAILS OF RESOURCE PERSON:

Sr. No.	Name of Resource Person	Mobile Number	Email ID	Organization Name
1	Dr Ronak Dedania	94269 81481	ronak.dedania@bmusurat.ac.in	Professor, Bhagwan Mahavir College of Pharmacy, Bhagwan Mahavir University, BMEF Campus, Surat.
2	Dr. Chainesh Shah	92656 42923	drdrchaineshshah@gmail.com	Professor, Sigma College of Pharmacy, Sigma University, Vadodara.
3	Dr. Ketan Ranch	99254 75599	ketan.ranch@lmcp.ac.in	Associate Professor, Department of Pharmaceutics, L. M. College of Pharmacy, Ahmedabad-Gujarat
4	Dr. Lalji Baldaniya	99799 61431	lalji.baldaniya@marwadieducation.edu.in	Principal | Faculty of Pharmacy, Marwadi University, Rajkot
5	Dr. Hitesh Dalwadi	89808 81252	hpdalvadi@gmail.com	Professor, Rofel Shri G M Bilakhia College of Pharmacy, Rofel Campus, Vapi
6	Dr Ashok H Akabari	99792 12354	ashokakabari@gmail.com	Professor, Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh
8	Dr. Pintu Prajapati	84695 47978	pintu.prajapati@utu.ac.in	Professor, Maliba Pharmacy College, Bardoli
9	Dr. Vinod Ramani	99137 92913	vinodramani01@gmail.com	Associate Professor C. K. Pithawalla Institute of Pharmaceutical Science and Research (CKPIPSR)-Surat
10	Mr Yash Dudhwala	90330 80481	yashdudhwala70@gmail.com	Assistant Professor, Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh

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4. DETAILS OF INFRASTRUCTURE & SOFTWARE

Formulation Development by QbD, Analytical Method development by AQbD and DoE Using Design Expert® Software (StatEase) & MiniTab ® Software.



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5. SCHEDULE OF COURSE

For Theory:

Sr. No.	Date	Faculty Name (1)	Topic
1.	4/10/2025	Dr Ronak Dedania	Roll of QbD and parts of QbD for formulation & analytical method development
2.	4/10/2025	Dr Ronak Dedania	Computers in Pharmaceutical Research and Development
3.	5/10/2025	Dr. Chainesh Shah	ICH QSEM guidelines- ICH guidelines Q8 to Q11 in detail for product and method development
4.	5/10/2025	Dr. Chainesh Shah	Pharmaceutical Formulation Development basics
5.	5/10/2025	Dr. Chainesh Shah	Parameters of optimization
6.	11/10/2025	Dr. Ketan Ranch	Optimization techniques in Pharmaceutical Formulation and method development: Concept
7.	11/10/2025	Dr. Ketan Ranch	Optimization techniques in pharmaceutical formulation and processing: Application in formulation and method development
8.	12/10/2025	Dr. Lalji Baldaniya	Formulation and Method Optimization and Development with DoE
9.	09/11/2025	Dr. Hitesh Dalwadi	Statistical design
10.	09/11/2025	Dr. Hitesh Dalwadi	Response surface method
11.	09/11/2025	Dr. Hitesh Dalwadi	Contour designs
12.	09/11/2025	Dr. Hitesh Dalwadi	Factorial designs
13.	09/11/2025	Dr. Hitesh Dalwadi	Statistical Parameters with special reference ANOVA method
14.	09/11/2025	Dr Ashok H Akabari	Analytical Method Development basics
15.	08/11/2025	Dr. Pintu Prajapati	QbD and AQbD In Pharmaceutical Development
16.	08/11/2025	Dr. Pintu Prajapati	QTPP, ATP (Analytical Target Profile), CQA, Risk Assessment
17.	08/11/2025	Dr. Pintu Prajapati	MODR (method operable design region), Control Strategy and Risk Assessment, AQbD Method Validation, and Continuous Method Monitoring
18.	20/12/2025	Dr Ashok H Akabari	Current approach and its limitations
19.	20/12/2025	Dr Ashok H Akabari	FDA initiative
20.	20/12/2025	Dr Ashok H Akabari	Requirement of QbD

21.	20/12/2025	Dr Ashok H Akabari	Advantages
22.	20/12/2025	Dr Ashok H Akabari	Elements of QbD

For Practical:

Sl. No.	Date	Faculty Name (1)	Aim of Practicals
1.	11/10/2025	Dr. Ketan Ranch	Case study on Formulation development by QbD
2.	08/11/2025	Dr. Pintu Prajapati	Case study on analytical method development by AQbD
3.	09/11/2025	Dr. Hitesh Dalwadi	Case study on Formulation development by DoE Using Design Expert® Software (StatEase)
4.	09/11/2025	Dr. Hitesh Dalwadi	Case study on analytical method development by development by DoE Using Design Expert® Software
5.	07/12/2025	Dr. Vinod Ramani	Screening by Plackett-Burman design
6.	07/12/2025	Dr. Vinod Ramani	Screening by Two-level full factorial design
7.	07/12/2025	Dr. Vinod Ramani	Optimization by Box-Behnken design
8.	07/12/2025	Dr. Vinod Ramani	Optimization by Central composite design
9.	06/12/2025	Mr Yash Dudhwala	Optimization by 2-level factorial design
10.	06/12/2025	Mr Yash Dudhwala	Optimization by 3-level factorial design
11.	06/12/2025	Mr Yash Dudhwala	Optimization by Mixture Design
12.	13/12/2025	Dr Ketan Ranch	Practical on Formulation development by QbD for various dosage form like Tablet
13.	13/12/2025	Dr Ketan Ranch	Practical on Formulation development by QbD for various dosage form like SMEDDs/SNEDDS,
14.	13/12/2025	Dr Ketan Ranch	Practical on Formulation development by QbD for various dosage form like Microsponges
15.	14/12/2025	Dr Ashok Akabari	Practical on HPLC analytical method development by AQbD
16.	14/12/2025	Dr Ashok Akabari	Practical on HPLC analytical method development by AQbD

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6. ATTENDANCE OF PARTICIPANTS

Enrolment Number	Participant Name	For Practical
CCE00830001	BHATHIWALA BHARGAVIBEN SURESHBHAI	90%
CCE00830002	CHAUDHARI AYUSHI CHETAN	90%
CCE00830003	CHUDASAMA SWATI HIRENKUMAR	90%
CCE00830004	DESAI DHVANI ASHISHBHAI	95%
CCE00830005	DESAI GRISHMABEN KETANBHAI	90%
CCE00830006	DHANANJAY A. GAMIT	95%
CCE00830007	GAMIT HARSHKUMAR SHANKARBHAI	95%
CCE00830008	GAMIT JAINISHABEN SUBHASHBHAI	90%
CCE00830009	GAMIT MAITRI KUMARI THAKORBHAI	90%
CCE00830010	HALPATI VISHAKHAKUMARI BHARAT BHAI	95%
CCE00830011	HIMADRI RAVAL	95%
CCE00830012	KOMAL ASHIT ZAVERI	90%
CCE00830013	LAD DIPALI GAMANBHAI	90%
CCE00830014	LAD JHANVI SANJAY	90%
CCE00830015	MAUSMI HIREN DHIVAR	90%
CCE00830016	MISTRY DHRUV HEMANTBHAI	90%
CCE00830017	MODI HARSHIKA SANJAYKUMAR	95%
CCE00830018	MODI YAGNESHKUMAR DIPAKBHAI	95%
CCE00830019	NAIK KRISHNA NIKETANBHAI	90%
CCE00830020	NAKUL KUMAR	95%
CCE00830021	NAYKA NIDHIKUMARI BHIKHUBHAI	90%
CCE00830022	NEHAL VYOM RANA	95%
CCE00830023	PANDYA HETVI BHARATKUMAR	90%
CCE00830024	PARMAR KRISHNA JAYANTKUMAR	95%
CCE00830025	PATEL BHOOMI BHARATBHAI	90%
CCE00830026	PATEL BRIJESH BHAVINBHAI	95%
CCE00830027	PATEL MITAL NILESHBHAI	90%
CCE00830028	PATEL NIDHIBEN NARESHKUMAR	95%
CCE00830029	PATEL PRATIKKUMAR DALPATBHAI	90%
CCE00830030	PATEL RAHUL PRALHAD	95%
CCE00830031	PAWAR NISHA PRASHANTKUMAR	90%
CCE00830032	PRAJAPATI MAAHI SUMANKUMAR	90%
CCE00830033	PRAJAPATI PRACHI J	95%
CCE00830034	PRAJAPATI SIDDHI MUKESHBHAI	90%
CCE00830035	PREETIBEN NARESHKUMAR YADAV	95%
CCE00830036	RAHUL PRAVINBHAI PARMAR	90%
CCE00830037	RANA KAVITA ALPESHKUMAR	95%

CCE00830038	RAVAL KOMAL BHAVESHBHAI	95%
CCE00830039	REDDY B AARTI SOMESHWARRAO	90%
CCE00830040	SARVAIYA BHUMI RAGHUBHAI	95%
CCE00830041	SHAH MAITRI BHAVESHKUMAR	90%
CCE00830042	SHAH PRIYANGI HIMANSHUKUMAR	95%
CCE00830043	SHUKLA RASHMI RAMMILAN	90%
CCE00830044	SOLANKI MUDRA PRAKASHBHAI	95%
CCE00830045	TALAVIYA DEVANGI ALPESHBHAI	95%
CCE00830046	TAMAKUWALA TUSHAR MITULKUMAR	95%
CCE00830047	UPADHYAY PALAK ASHOK	90%

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7. EVALUATION METHODOLOGY

Sr. No.	Particular	Total Marks	Minimum Passing Marks
1	Presentation & Viva Voce	100	40

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8. EVALUATION SHEET

Enrolment Number	Participant Name	Total (100)	% Obtained
CCE00830001	BHATHIWALA BHARGAVIBEN SURESHBHAI	86	86
CCE00830002	CHAUDHARI AYUSHI CHETAN	89	89
CCE00830003	CHUDASAMA SWATI HIRENKUMAR	92	92
CCE00830004	DESAI DHVANI ASHISHBHAI	87	87
CCE00830005	DESAI GRISHMABEN KETANBHAI	91	91
CCE00830006	DHANANJAY A. GAMIT	88	88
CCE00830007	GAMIT HARSHKUMAR SHANKARBHAI	89	89
CCE00830008	GAMIT JAINISHABEN SUBHASHBHAI	93	93
CCE00830009	GAMIT MAITRI KUMARI THAKORBHAI	89	89
CCE00830010	HALPATI VISHAKHAKUMARI BHARAT BHAI	88	88
CCE00830011	HIMADRI RAVAL	87	87
CCE00830012	KOMAL ASHIT ZAVERI	87	87
CCE00830013	LAD DIPALI GAMANBHAI	87	87
CCE00830014	LAD JHANVI SANJAY	89	89
CCE00830015	MAUSMI HIREN DHIVAR	90	90
CCE00830016	MISTRY DHRUV HEMANTBHAI	91	91
CCE00830017	MODI HARSHIKA SANJAYKUMAR	91	91
CCE00830018	MODI YAGNESHKUMAR DIPAKBHAI	86	86
CCE00830019	NAIK KRISHNA NIKETANBHAI	87	87
CCE00830020	NAKUL KUMAR	89	89
CCE00830021	NAYKA NIDHIKUMARI BHIKHUBHAI	87	87
CCE00830022	NEHAL VYOM RANA	85	85
CCE00830023	PANDYA HETVI BHARATKUMAR	87	87
CCE00830024	PARMAR KRISHNA JAYANTKUMAR	86	86
CCE00830025	PATEL BHOOMI BHARATBHAI	85	85
CCE00830026	PATEL BRIJESH BHAVINBHAI	84	84
CCE00830027	PATEL MITAL NILESHBHAI	89	89
CCE00830028	PATEL NIDHIBEN NARESHKUMAR	87	87
CCE00830029	PATEL PRATIKKUMAR DALPATBHAI	87	87
CCE00830030	PATEL RAHUL PRALHAD	85	85
CCE00830031	PAWAR NISHA PRASHANTKUMAR	86	86
CCE00830032	PRAJAPATI MAAHI SUMANKUMAR	88	88

CCE00830033	PRAJAPATI PRACHI J	89	89
CCE00830034	PRAJAPATI SIDDHI MUKESHBHAI	87	87
CCE00830035	PREETIBEN NARESHKUMAR YADAV	91	91
CCE00830036	RAHUL PRAVINBHAI PARMAR	89	89
CCE00830037	RANA KAVITA ALPESHKUMAR	92	92
CCE00830038	RAVAL KOMAL BHAVESHBHAI	91	91
CCE00830039	REDDY B AARTI SOMESHWARRAO	90	90
CCE00830040	SARVAIYA BHUMI RAGHUBHAI	90	90
CCE00830041	SHAH MAITRI BHAVESHKUMAR	87	87
CCE00830042	SHAH PRIYANGI HIMANSHUKUMAR	87	87
CCE00830043	SHUKLA RASHMI RAMMILAN	88	88
CCE00830044	SOLANKI MUDRA PRAKASHBHAI	88	88
CCE00830045	TALAVIYA DEVANGI ALPESHBHAI	89	89
CCE00830046	TAMAKUWALA TUSHAR MITULKUMAR	90	90
CCE00830047	UPADHYAY PALAK ASHOK	87	87

Dr. Shaileshkumar Koradia Professor & Head, Dept. Of Pharmaceutical Chemistry Krishna school of pharmacy & research, Vadodara, Gujarat	Dr. Sachin Narkhede Professor and Principal SMT. BNB Swaminarayan Pharmacy College Salvav, Vapi

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2nd QbD BATCH (Oct 2025 -Feb 2026)

9. COURSE OUTCOMES

1. Participant will learn the implementation of QbD in pharmaceutical product development and AQbD for analytical method development.
2. Participant will learn to perform & use suitable and appropriate optimization technique/ DoE by using appropriate software like StatEase.
3. Participant will learn to find solutions for problems encountered during applying QbD for product development and AQbD for API analytical methods development for pharmaceutical product quality.
4. Participant will learn strategies to control CQA (CMAs & CPAs) with risk assessment & operable design region with usage of right tools and performing the appropriate quantity of work within proper timelines.

CCE, GTU CERTIFIED SHORT-TERM CERTIFICATE COURSE
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10. FEEDBACK FROM CANDIDATES

Name	Enrollment Number	How was the Theory and Practical session of Dr. Vinod Ramani?	How was the Theory session of Dr. Ketan Ranch?	How was the Theory and Practical session of Dr. Hitesh Dalwadi?	How was the Theory session of Dr Lalji Baldaniya ?	How was the Theory session of Dr. Pintu Prajapati?	How was the Practical session of Dr. Yash Dudhwala?	How was the Practical session of Dr. Ashok Akabari?	How was the Theory and Practical session of Dr. Chainesh Shah?	How was the overall experience of QbD course?
BHATHIWALA BHARGAVIBEN SURESHBHAI	CCE00830001	Excellent	Good	Excellent	Good	Fair	Fair	Excellent	Excellent	Excellent
CHAUDHARI AYUSHI CHETAN	CCE00830002	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent
CHUDASAMA SWATI HIRENKUMAR	CCE00830003	Excellent	Excellent	Good	Excellent	Good	Excellent	Excellent	Excellent	Excellent
DESAI DHVANI ASHISHBHAI	CCE00830004	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
DESAI GRISHMABEN KETANBHAI	CCE00830005	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
DHANANJAY A. GAMIT	CCE00830006	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Good	Excellent	Excellent

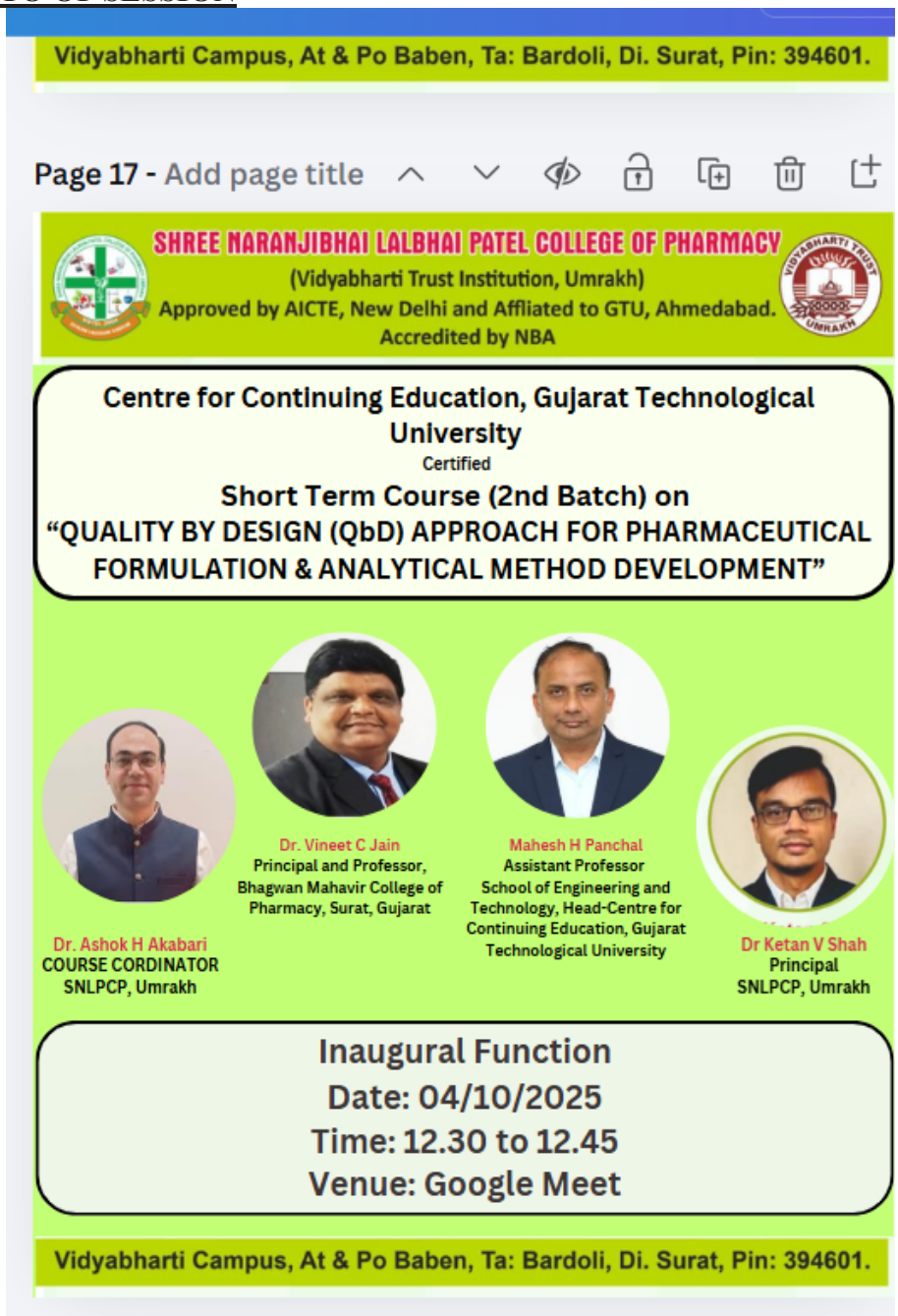
GAMIT HARSHKUMAR SHANKARBHAI	CCE008 30007	Excellent	Good	Good	Excellent	Good	Excellent	Good	Excellent	Excellent
GAMIT JAINISHABEN SUBHASHBHAI	CCE008 30008	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
GAMIT MAITRI KUMARI THAKORBHAI	CCE008 30009	Excellent	Good	Excellent	Good	Good	Good	Good	Good	Good
HALPATI VISHAKHAKUMARI BHARAT BHAI	CCE008 30010	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
HIMADRI RAVAL	CCE008 30011	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
KOMAL ASHIT ZAVERI	CCE008 30012	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
LAD DIPALI GAMANBHAI	CCE008 30013	Excellent	Good	Good	Good	Good	Excellent	Excellent	Excellent	Good
LAD JHANVI SANJAY	CCE008 30014	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent
MAUSMI HIREN DHIVAR	CCE008 30015	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
MISTRY DHRUV HEMANTBHAI	CCE008 30016	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent
MODI HARSHIKA SANJAYKUMAR	CCE008 30017	Excellent	Excellent	Good	Excellent	Good	Good	Good	Excellent	Excellent
MODI YAGNESHKUMAR DIPAKBHAI	CCE008 30018	Excellent	Good	Excellent	Good	Good	Excellent	Good	Good	Excellent
NAIK KRISHNA NIKETANBHAI	CCE008 30019	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
NAKUL KUMAR	CCE008 30020	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
NAYKA NIDHIKUMARI BHIKHUBHAI	CCE008 30021	Excellent	Good	Good	Excellent	Good	Excellent	Excellent	Excellent	Excellent
NEHAL VYOM RANA	CCE008 30022	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent
PANDYA HETVI BHARATKUMAR	CCE008 30023	Excellent	Good	Excellent	Excellent	Good	Good	Good	Excellent	Excellent

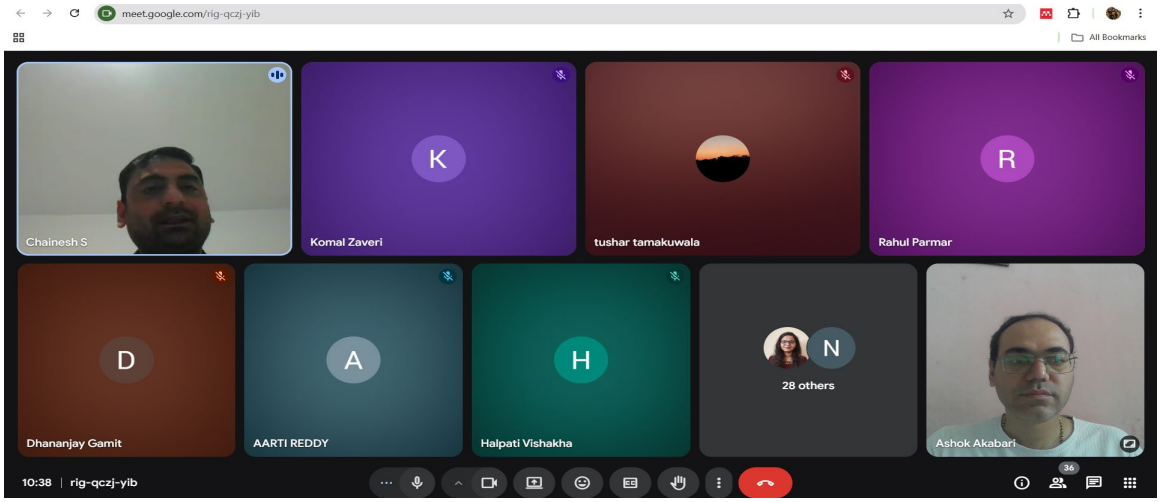
PARMAR KRISHNA JAYANTKUMAR	CCE008 30024	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
PATEL BHOOMI BHARATBHAI	CCE008 30025	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
PATEL BRIJESH BHAVINBHAI	CCE008 30026	Excellent	Good	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent
PATEL MITAL NILESHBHAI	CCE008 30027	Excellent	Good	Good	Excellent	Good	Good	Good	Excellent	Excellent
PATEL NIDHIBEN NARESHKUMAR	CCE008 30028	Excellent	Excellent	Good	Good	Good	Excellent	Excellent	Excellent	Excellent
PATEL PRATIKKUMAR DALPATBHAI	CCE008 30029	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
PATEL RAHUL PRALHAD	CCE008 30030	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
PAWAR NISHA PRASHANTKUMAR	CCE008 30031	Excellent	Good	Good	Good	Good	Excellent	Excellent	Excellent	Excellent
PRAJAPATI MAAHI SUMANKUMAR	CCE008 30032	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
PRAJAPATI PRACHI J	CCE008 30033	Excellent	Excellent	Good	Good	Excellent	Excellent	Good	Excellent	Excellent
PRAJAPATI SIDDHI MUKESHBHAI	CCE008 30034	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
PREETIBEN NARESHKUMAR YADAV	CCE008 30035	Good	Good	Good	Good	Good	Good	Good	Good	Good
RAHUL PRAVINBHAI PARMAR	CCE008 30036	Excellent	Good	Excellent	Good	Excellent	Excellent	Good	Excellent	Good
RANA KAVITA ALPESHKUMAR	CCE008 30037	Good	Good	Good	Excellent	Good	Good	Good	Fair	Excellent
RAVAL KOMAL BHAVESHBHAI	CCE008 30038	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent
REDDY B AARTI SOMESHWARRAO	CCE008 30039	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
SARVAIYA BHUMI RAGHUBHAI	CCE008 30040	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
SHAH MAITRI BHAVESHKUMAR	CCE008 30041	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
SHAH PRIYANGI	CCE008	Excellent	Good	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent

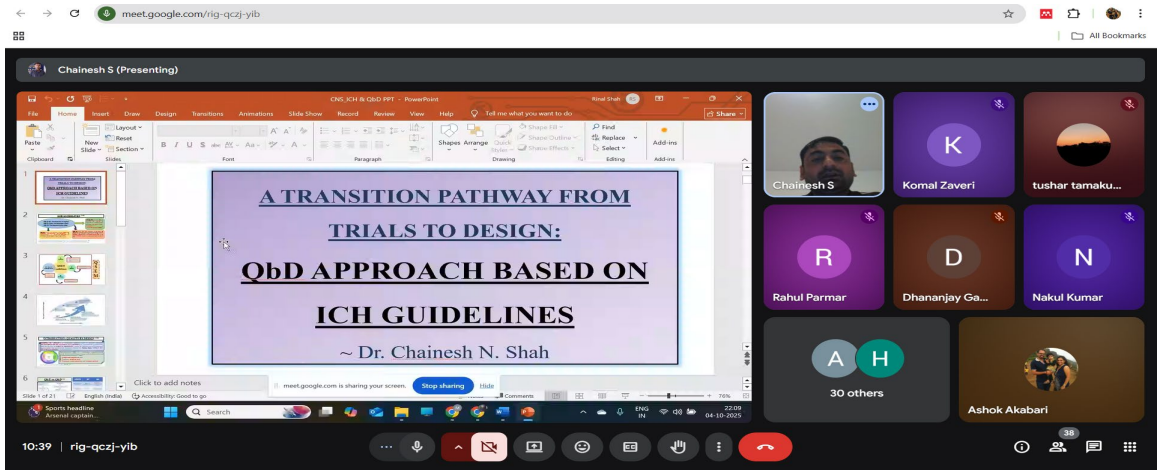
HIMANSHUKUMAR	30042									
SHUKLA RASHMI RAMMILAN	CCE008 30043	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent
SOLANKI MUDRA PRAKASHBHAI	CCE008 30044	Excellent	Good	Excellent	Excellent	Good	Good	Good	Good	Good
TALAVIYA DEVANGI ALPESHBHAI	CCE008 30045	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
TAMAKUWALA TUSHAR MITULKUMAR	CCE008 30046	Excellent	Good	Good	Good	Good	Excellent	Good	Excellent	Good
UPADHYAY PALAK ASHOK	CCE008 30047	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

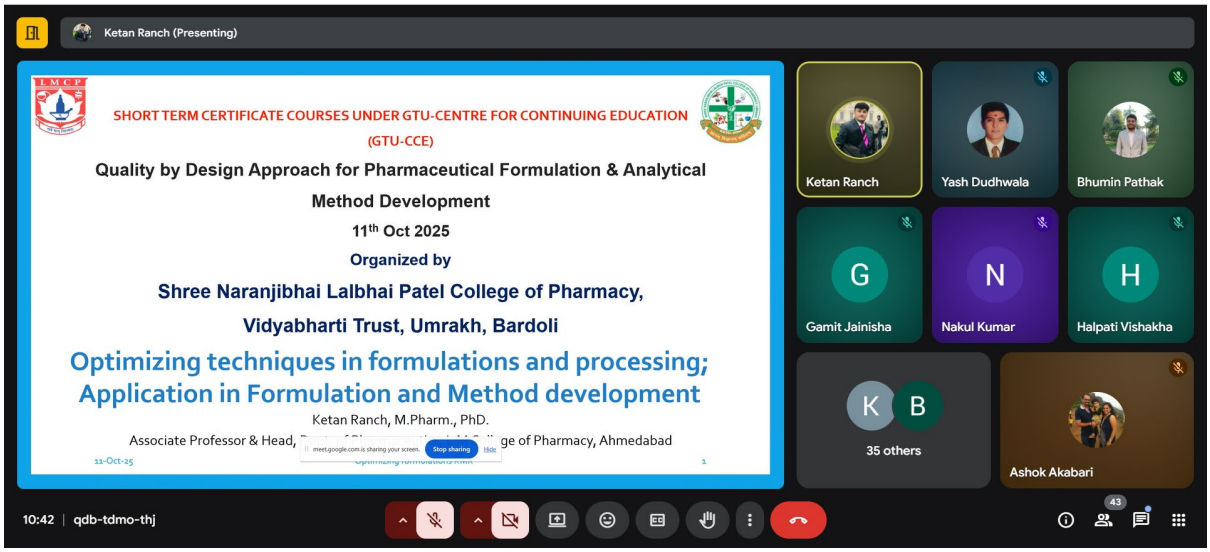
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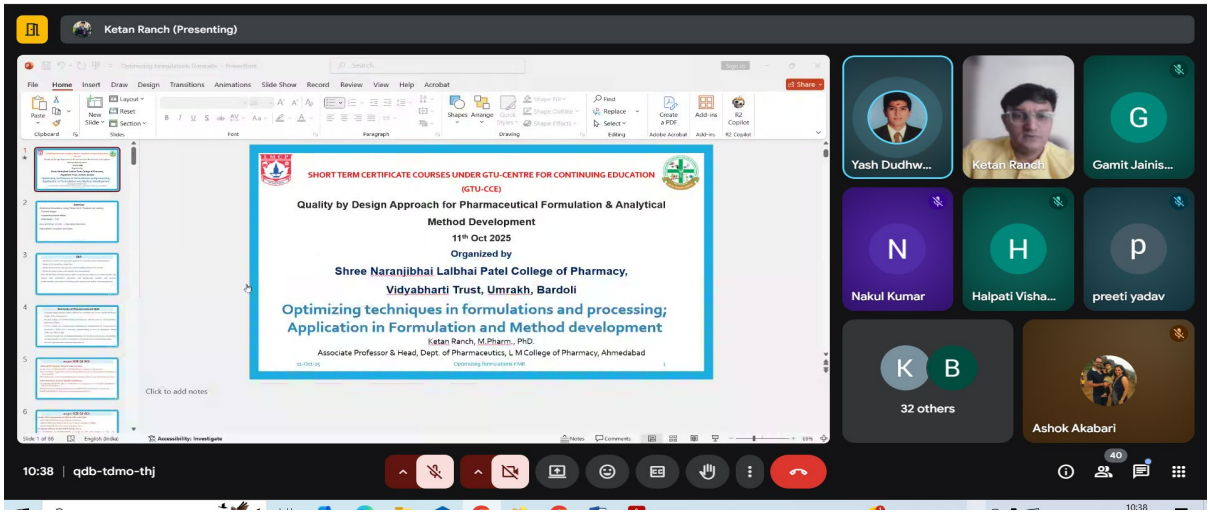
11. PHOTO OF SESSION



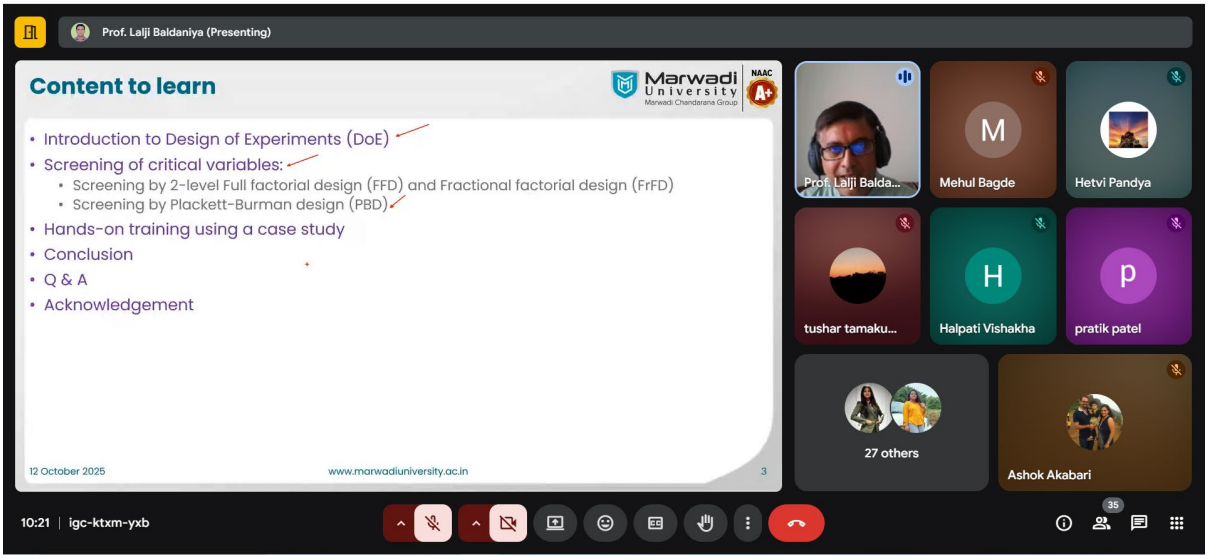

meet.google.com/rig-qczj-yib
Chainesh S
Komal Zaveri
tushar tamakuwala
Rahul Parmar
Dhananjay Gamit
AARTI REDDY
Halpati Vishakha
28 others
Ashok Akabari
10:38 | rig-qczj-yib


meet.google.com/rig-qczj-yib
Chainesh S (Presenting)
A TRANSITION PATHWAY FROM
TRIALS TO DESIGN:
QbD APPROACH BASED ON
ICH GUIDELINES
~ Dr. Chainesh N. Shah
Komal Zaveri
tushar tamaku...
Rahul Parmar
Dhananjay Ga...
Nakul Kumar
30 others
Ashok Akabari
10:39 | rig-qczj-yib


Ketan Ranch (Presenting)
SHORT TERM CERTIFICATE COURSES UNDER GTU-CENTRE FOR CONTINUING EDUCATION
(GTU-CCE)
Quality by Design Approach for Pharmaceutical Formulation & Analytical Method Development
11th Oct 2025
Organized by
Shree Naranjibhai Lalbhai Patel College of Pharmacy,
Vidyabharti Trust, Umrakh, Bardoli
Optimizing techniques in formulations and processing; Application in Formulation and Method development
Ketan Ranch, M.Pharm., PhD.
Ketan Ranch
Yash Dudhwala
Bhumin Pathak
Gamit Jainisha
Nakul Kumar
Halpati Vishakha
35 others
Ashok Akabari
10:42 | qdb-tdmo-thj


Ketan Ranch (Presenting)
SHORT TERM CERTIFICATE COURSES UNDER GTU-CENTRE FOR CONTINUING EDUCATION (GTU-CCE)
Quality by Design Approach for Pharmaceutical Formulation & Analytical Method Development
11th Oct 2025
Organized by
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Vidyabharti Trust, Umrakh, Bardoli
Optimizing techniques in formulations and processing; Application in Formulation and Method development
Ketan Ranch, M.Pharm., PhD.
Associate Professor & Head, Dept. of Pharmaceutics, L.M.College of Pharmacy, Ahmedabad
Yash Dudhw...
Ketan Ranch
Gamit Jainis...
Nakul Kumar
Halpati Visha...
preeti yadav
32 others
Ashok Akabari
10:38 | qdb-tdmo-thj


Prof. Lalji Baldaniya (Presenting)
A Certificate Course on "A Quality by Design Approach for Pharmaceutical Formulation & Analytical Method Development" Organized by Shree Naranjibhai Lalbhai Patel College of Pharmacy, Vidyabharti Trust, Umrakh, Bardoli, Surat, Gujarat, India.
12-10-2025
Marwadi University
Marwadi Chandarana Group
NAAC A+
DESIGN OF EXPERIMENT
Approach for Pharmaceutical Formulation Development
Dr. LALJI BALDANIYA
Professor and Principal,
Faculty of Pharmacy, Marwadi University
Rajkot, Gujarat, India.
Prof. Lalji Balda...
Mehul Bagde
Hetvi Pandya
tushar tamaku...
Halpati Vishakha
pratik patel
20 others
Ashok Akabari
10:13 | igc-ktxm-yxb


Prof. Lalji Baldaniya (Presenting)
Content to learn
Marwadi University
Marwadi Chandarana Group
NAAC A+
• Introduction to Design of Experiments (DoE)
• Screening of critical variables:
  • Screening by 2-level Full factorial design (FFD) and Fractional factorial design (FrFD)
  • Screening by Plackett-Burman design (PBD)
• Hands-on training using a case study
• Conclusion
• Q & A
• Acknowledgement
12 October 2025
www.marwadiuniversity.ac.in
3
Prof. Lalji Balda...
Mehul Bagde
Hetvi Pandya
tushar tamaku...
Halpati Vishakha
pratik patel
27 others
Ashok Akabari
10:21 | igc-ktxm-yxb