

Report on Online Refresher Course

Shri B. M. Shah College of Pharmaceutical Education & Research, Modasa
Managed by: The M. L. Gandhi Higher Education Society, Modasa
Date: 11 & 12 October, 2025

Overview

The Online Refresher Course held at Shri B. M. Shah College of Pharmaceutical Education & Research aimed to update and enhance the knowledge and skills of participants in the field of pharmacy. The program included a series of informative sessions led by distinguished speakers and covered various current topics in pharmacy practice.

Program Details

Day 1: 11th october 2025 (Saturday)

Inauguration

- **Time:** 10:00 am to 10:30 am
- **President of Function:** Mr. M V Shah, President, The M. L. Gandhi Higher Education Society, Modasa
- **Guests of Honor:**
 - Richa A Dayaramani, Executive Committee Member, GSPC Ahmedabad

The program commenced with an inaugural ceremony, setting a positive tone for the upcoming sessions.

Sessions

Session 1: “An Overview on Nutraceuticals”

Time: 10:30 am – 11:30 am

Speaker: *Dr. Amish J. Patel*, Professor, Shri B. M. Shah College of Pharmaceutical Education and Research, Modasa

The first session of the day was delivered by Dr. Amish J. Patel, who provided a comprehensive overview of **Nutraceuticals** and their emerging significance in healthcare. He discussed the classification, sources, and therapeutic roles of various nutraceuticals in disease prevention and management. Dr. Patel emphasized the importance of evidence-based use, regulatory aspects, and the growing market potential of nutraceutical products in

India. The session was highly informative and gave valuable insights into the integration of nutraceuticals with modern medicine.

Session 2: “Good Storage Practice”

Time: 11:30 am – 12:30 pm

Speaker: *Dr. P. B. Shah*, Principal, B. M. College of Pharmacy, Modasa

In the second session, Dr. P. B. Shah highlighted the crucial aspects of **Good Storage Practices (GSP)** in pharmaceutical establishments. He explained the principles of proper storage conditions for different drug categories, temperature and humidity control, and the importance of maintaining drug stability and efficacy. The session also covered regulatory requirements and best practices for minimizing losses and ensuring patient safety. It was an enlightening session for all pharmacists to enhance their professional practice.

Break: 12:30 pm – 01:30 pm

Session 3: “Medication Error”

Time: 01:30 pm – 02:30 pm

Speaker: *Dr. Komal H. Rahevar*, Associate Professor, Pioneer Pharmacy College, Vadodara

The post-lunch session was taken by Dr. Komal H. Rahevar, who spoke on **Medication Errors** — their types, causes, and preventive strategies. She discussed real-life case examples and stressed the role of pharmacists in minimizing such errors through vigilance, proper communication, and patient counseling. The presentation underlined the importance of the “five rights” of medication administration: right patient, right drug, right dose, right route, and right time. The session was highly interactive and insightful.

Session 4: “Self-Medication and Its Demerits”

Time: 02:30 pm – 03:30 pm

Speaker: *Dr. Pankaj H. Prajapati*, Professor, Shri Sarvajani Pharmacy College, Mehsana

The final session of the day was conducted by Dr. Pankaj H. Prajapati, who elaborated on the **practice of self-medication** and its potential risks. He discussed the increasing trend of self-medication in society, especially with over-the-counter drugs, and highlighted the possible consequences such as drug resistance, adverse effects, and misdiagnosis. Dr.

Prajapati emphasized the pharmacist's role in educating patients and promoting rational drug use. The session concluded with a fruitful discussion and participant queries.

Day 2: 12th October 2025 (Sunday)

Session 1: "Use of AI in Patient Counselling"

Time: 10:00 am – 11:00 am

Speaker: *Dr. Nayan Ratnakar*, Senior Lecturer, L. M. College of Pharmacy, Ahmedabad

The first session of the day was delivered by Dr. Nayan Ratnakar on the topic **"Use of Artificial Intelligence in Patient Counselling."**

He explained how AI-based technologies are revolutionizing the healthcare sector, particularly in improving patient counselling, medication adherence, and personalized treatment. Dr. Ratnakar elaborated on various AI applications such as chatbots, clinical decision support systems, and predictive analytics that assist pharmacists in providing better patient care. The session provided valuable insights into the integration of technology with pharmacy practice.

Session 2: "Drug Discovery and Development"

Time: 11:00 am – 12:00 pm

Speaker: *Dr. Ojas Patel*, Professor, Faculty of Pharmacy, K. J. Somaiya Institute of Pharmacy, SRI Campus, Vadasma

The second session was taken by Dr. Ojas Patel, who delivered an informative lecture on **"Drug Discovery and Development."**

He explained the various stages involved in bringing a new drug to market — from target identification, lead optimization, preclinical studies, to clinical trials and regulatory approval. Dr. Patel emphasized the time, cost, and ethical considerations associated with the process. His presentation highlighted the latest advancements in computational drug design and modern screening techniques that have accelerated new drug discovery.

Session 3: "Duties of a Pharmacist"

Time: 12:00 pm – 01:00 pm

Speaker: *Dr. Jitendra Bhangale*, I/c Principal & Professor, Smt. N. M. Padalia Pharmacy College, Ahmedabad

The third session was delivered by Dr. Jitendra Bhangale on the topic **"Duties of a Pharmacist."**

He discussed the professional responsibilities of pharmacists in various sectors —

community, hospital, and industrial pharmacy. Dr. Bhangale emphasized the ethical code of conduct, patient safety, and the pharmacist's role as a healthcare professional ensuring rational use of medicines. The session was highly motivational and reminded participants of their commitment toward public health and professional integrity.

Evaluation Test

Time: 01:00 pm – 01:30 pm

An evaluation test was conducted to assess the participants' understanding and learning from the refresher course sessions. The test served as a tool for self-assessment and helped gauge the effectiveness of the training program.

Valedictory Function

Time: 01:30 pm – 02:00 pm

Chief Guest: *Shri Bharatbhai B. Patel*, President, Gujarat State Pharmacy Council, Ahmedabad

Guest of Honour: *Dr. G. J. Shah*, Hon. Secretary & Vice President, The M. L. Gandhi Higher Education Society

The two-day refresher course concluded with a **Valedictory Function**.

Dr. A. D. Patel, Principal, Shri B. M. Shah College of Pharmaceutical Education and Research, Modasa, welcomed the dignitaries and expressed gratitude to GSPC for sponsoring the program.

Chief Guest Shri Bharatbhai B. Patel appreciated the efforts of the organizing team and emphasized the importance of continuous learning and professional development for pharmacists.

Guest of Honour Dr. G. J. Shah, in his address, highlighted the vital role pharmacists play in ensuring safe and effective medication use in society.

Certificates were distributed to participants, and the event concluded with a vote of thanks and the national anthem.

Conclusion:

The second day of the refresher course offered deep insights into technological, scientific, and ethical aspects of pharmacy practice. The sessions were highly informative, engaging, and beneficial to all participants. The program successfully achieved its objective of updating pharmacists with current trends and practices in the profession.





Pharmacist *As a Quality drug supplier* in Self-Medication



- The pharmacist must ensure that the products he/she purchases are from reputable sources and of good quality.



Modasa, Gujarat, India
Bherunda Kolavada Road, Sabarkantha, Modasa,
Gujarat 383315, India
Lat 23.454594, Long 73.291439
10/11/2025 03:01 PM GMT+05:30
Note: Captured by GPS Map Camera

- **Greek Physician Hippocrates,**
Known as father of Medicine.
(said several centuries ago)

“Let Food be Your Medicine”

The Philosophy behind is:

“Focus on Prevention”





Zoom Workplace

Dr. P. B. Shah

Maikh Patel

Dr. P. B. Shah

Usha Parashit

Ravindra Patel

Good Storage Practice

Dr. Paresh B Shah
Principal
Shri B M Shah College of Pharmacy.

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Zoom Workplace

Dr. P. B. Shah

Maikh Patel

Dr. P. B. Shah

Usha Parashit

Ravindra Patel

STORAGE AND STOCK MANAGEMENT

- The expiry periods of pharmaceutical products have meaning only if the products are stored under proper conditions, otherwise, products are likely to lose their potency before the actual date of expiry.



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Zoom Meeting with participants: **Kalvin Patel**, **Kalvin Patel**

The AI-Enabled tools available in market

Tool/Platform	Key Features & Capabilities	Integration & Interoperability	Security & Compliance	Support
Tool 1	Advanced analytics, real-time monitoring, customizable dashboards, scalable architecture.	Seamless integration with existing systems, API support.	GDPR compliant, ISO 27001 certified, data encryption.	24/7 support, dedicated account manager.
Tool 2	Cloud-based, easy to use, comprehensive reporting, flexible pricing.	Compatible with major cloud providers, open API.	Regular security updates, SOC 2 Type II certified.	Self-service support, community forum.
Tool 3	On-premise deployment, high performance, extensive customization options.	Integration with legacy systems, robust API.	Highly secure, physical and digital security measures.	On-site support, training programs.
Tool 4	Cloud-native, AI-powered insights, user-friendly interface.	Seamless integration with cloud services, open API.	GDPR compliant, regular security audits.	24/7 support, dedicated account manager.
Tool 5	Cloud-based, easy to use, comprehensive reporting, flexible pricing.	Compatible with major cloud providers, open API.	Regular security updates, SOC 2 Type II certified.	Self-service support, community forum.

Zoom Meeting with participants: **Kalvin Patel**, **Kalvin Patel**

ChatGPT -

Message 3: (Side effects - what to do)

- Common side effects:
 - Metformin - sometimes causes nausea, stomach gas (usually goes away in few days)
 - Glimepiride - can cause low sugar (shaking, sweating, feeling weak)
- If this happens, eat 1 fruit or 2 tsp sugar water immediately 🍌
- Tell doctor if it happens often.

Message 4: (Diet basics - what to eat more)

- Eat more of:
 - Vegetables (pulses, salad)
 - Whole grains (rice, brown rice)
 - Dairy products (milk)
- Drink enough water 🥤
- Eat small meals 3-4 times/day instead of 1-2 big meals.
- Avoid alcohol for now 🚫

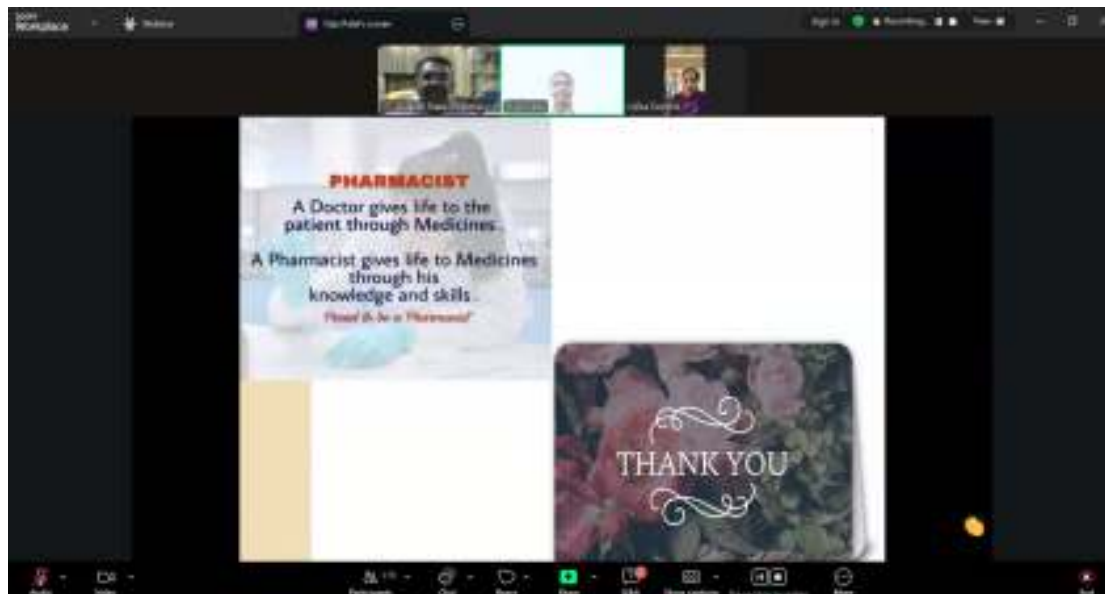
The image is a screenshot of a Zoom meeting. At the top, there are three small video thumbnails of participants. The main video feed shows a woman with dark hair, wearing a purple shirt, speaking. Below the video feed is a toolbar with icons for audio, video, chat, and other meeting controls. The bottom of the screen shows a presentation slide with the following text:

3. Lead finding/ Lead generation

Approaches to new drug molecule

A. From Natural Source

- ✓ Plant Kingdom (Morphine, Cocaine, Digitalis, Quinine etc)
- ✓ Micro organisms (Penicillin, cephalosporin etc.)
- ✓ Marine Sources (Curamin A is obtained from a marine cyanobacterium and shows potent antitumor activity)
- ✓ Animal Sources (A series of antibiotic polypeptides known as the **magainins** were extracted from the skin of the african clawed frog *Xenopus laevis*)



Workplace

GUJARAT STATE PHARMACY COUNCIL
SPONSORED

REFRESHER COURSE
at
B. M. SHAH COLLEGE OF PHARMACEUTICAL EDUCATION AND RESEARCH

DUTIES OF PHARMACISTS

By- Prof. (Dr.) Jitendra Bhangale
M. Pharm, B.E.D., L.C.D., M.B.A., DIPLO. T.M.S.
Professor & Principal,
Smt N. M. Padalia Pharmacy College,

Participant

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GUJARAT STATE PHARMACY COUNCIL
Sponsored

**Two Day Refresher Course for In service
Registered Pharmacists**

Valedictory Function
12th October 2025

Organized
**Shri B. M. Shah College of Pharm. Education
and Research,**
College campus, College Road
MODASA

Participant

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