

Five days

Laboratory Staff

Quality Improvement Program 2020

on

Good Practices of Chemicals,
Glasswares and Instruments in Laboratory

LSQIP 2020 Report

09-13 November 2020



Organised by

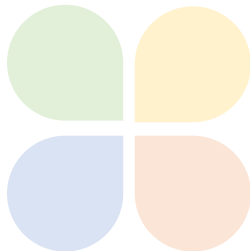


Pratiksha Institute of Pharmaceutical Sciences

(Under Pratiksha Educational Trust)

Chandrapur Road, Panikhaiti, Guwahati-26, Assam, India

Introduction



Laboratory is a scientific place of innovation and discovery . This is the place where researchers, budding minds work with various kind of chemicals, instruments to get a product for the betterment of mankind. In educational institutes laboratory plays a very crucial role in building of practical knowledge about a subject. In Pharmaceutical institutes it has a great importance. For conducting an experiment a proper knowledge about chemicals and instruments are not only required by the faculty or researcher but also required by the laboratory staff. A proper handling of chemicals and instruments is outmost important in laboratory. Although laboratory staffs are always in the back. They are the backbone of an experiment. Therefore every laboratory staff should be expertize in chemical and instrument handling.



Aim

The main aim of the program was to give training on chemical and instrument handling and improve the working ability of laboratory staff.



Objectives

- ❖ To give a hands on training on chemical handling.
- ❖ To give a hands on training on glassware.
- ❖ To give a hands on training on glassware.
- ❖ To give a hands on training on good laboratory practice.



Inauguration Ceremony

WELCOME SPEECH

Dr. Anupam Sarma
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

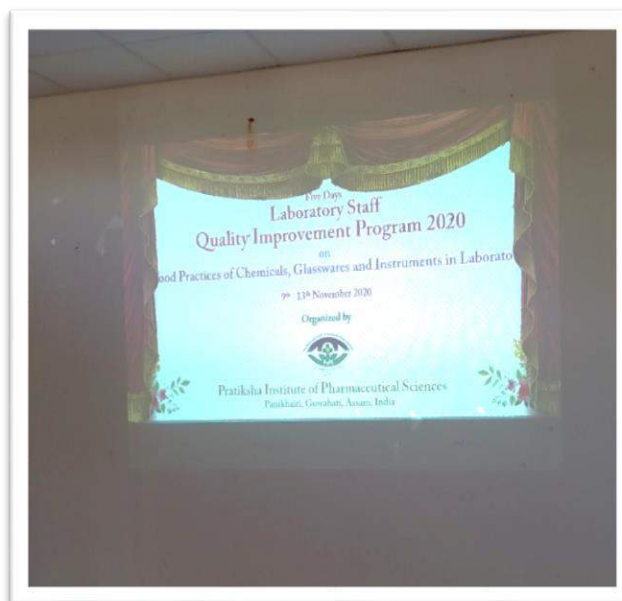
INAUGURATION OF WORKSHOP & SPEECH

Dr. Satyendra Deka
Principal, Pratiksha Institute of Pharmaceutical
Sciences, Guwahati, Assam, India.

HOST

Miss. Juti Rani Devi
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

The Inaugural Session was held on 9th November, 2020 from 12:30 PM onwards in the presence of all the faculty members and delegates of PIPS. The inaugural session was hosted by Miss. Juti Rani Devi.



The formal inaugural meeting was began with the opening remarks of **Dr. Anupam Sarma**. In his inaugural remarks he formally welcomed the faculty members and laboratory staff of PIPS and expressed sincere thanks to all participants for their kind involvement and highlighted the objectives of the workshop. The workshop was formally inaugurated by **Dr. Satyendra Deka** with lamp lightening digitally. He had briefly explained about the critical role of laboratory staff in laboratory and their responsibility in practical classes dealing with student. He had also point it out the significance of on job training.

Day1
9th Nov. 2020



Technical Session - I

Hands on Training Program on Chemicals

SPEAKER

Miss. Juti Rani Devi
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Miss. Swabnam Khataniar
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

TRAINER

Miss. Juti Rani Devi
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Miss. Swabnam Khataniar
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Miss. Juti Rani Devi and **Miss. Swabnam Khataniar** began the session with an introductory presentation on chemical and its handling followed by a hands on training. During the session the trainers covers the following areas:

- Introduction of different types and classification of Chemicals.
- Different forms of chemicals.
- Storage condition and containers.
- Labelling, handling and precautions.
- Maintenance and safety measures.





Technical Session - II

Hands on Training Program on Glasswares

SPEAKER

Mrs. Ratnali Bania
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Pratap Kalita
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

TRAINER

Mrs. Ratnali Bania
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Pratap Kalita
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mrs. Neelakshi Sharma
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mrs. Ratnali Bania and **Mr. Pratap Kalita** began the session with an introductory presentation on glasswares and its handling followed by a hands on training. Later **Mrs. Neelakshi Sharma** also joined as trainer. During the session the trainers covers the following areas:

- Introduction to glass and its properties.
- Different glassware used in laboratory, their use and handling.
- Precautions and safety measures.
- Washing techniques of glassware.



Day 3
11th Nov. 2020



Technical Session - III

Hands on Training Program on Instruments

SPEAKER

Dr. Anupam Sarma
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Manas Jyoti Kapil
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

TRAINER

Dr. Anupam Sarma
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Manas Jyoti Kapil
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Ananta Saikia
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Dr. Anupam Sarma and **Mr. Manas Jyoti Kapil** began the session with an introductory presentation on instruments and its handling followed by a hands on training. Later **Mr. Ananta Saikia** also joined as trainer. During the session the trainers covers the following areas:

- Introduction to Pharmaceutics and instruments.
- Importance and significance of routine instrument maintenance.
- Procedures to ensure laboratory equipment well-maintained.
- General care tips for laboratory equipment including cleaning, calibration, repair and replacement.
- Demonstration of various instruments, apparatus including tablet press, Soxhlet apparatus etc.





Technical Session - IV

Hands on Training Program on Instruments

TRAINER

Mr. Arup Chakraborty
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Manash Pratim Pathak
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Satyasish Sandilya
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Arup Chakraborty, Mr. Manash Pratim Pathak and Mr. Satyasish Sandilya gave a hands on training on the instruments related to Pharmaceutical Analysis, Pharmacology and Pharmaceutical Chemistry respectively. During the session the trainers mainly focused on handling and maintenance of the instruments. Instruments like UV spectrophotometer, Colony counter, pH meter etc. were covered.





Technical Session - V

Hands on Training Program on GLP & Documentation

SPEAKER

Mrs. Ratnali Bania
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Miss. Swabnam Khataniar
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

TRAINER

Mrs. Ratnali Bania
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Miss. Swabnam Khataniar
Assistant Professor, Pratiksha Institute of
Pharmaceutical Sciences, Guwahati, Assam, India

Mrs. Ratnali Bania and **Miss. Swabnam Khataniar** began the session with an introductory presentation on GLP & Documentation followed by a hands on training. During the session the trainers covers the following areas:

- Laboratory rules & safety.
- Chemical safety.
- Importance of good documentation.
- Record keeping.
- Good Laboratory Practices.

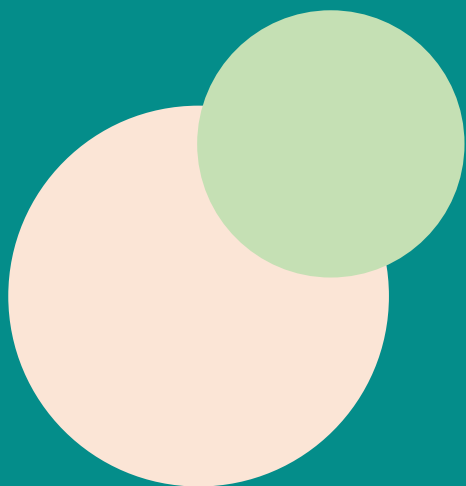
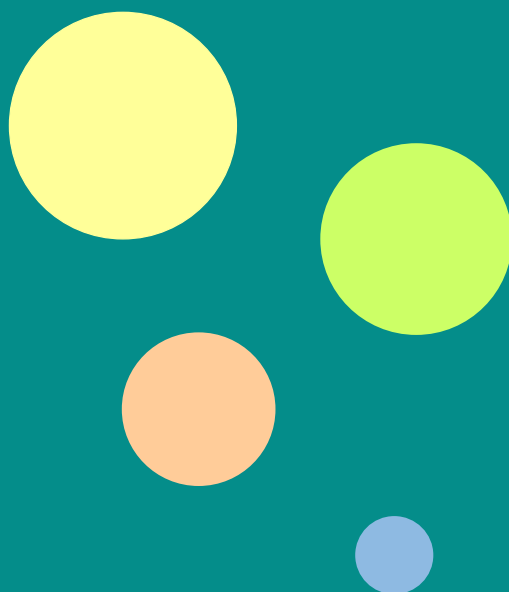
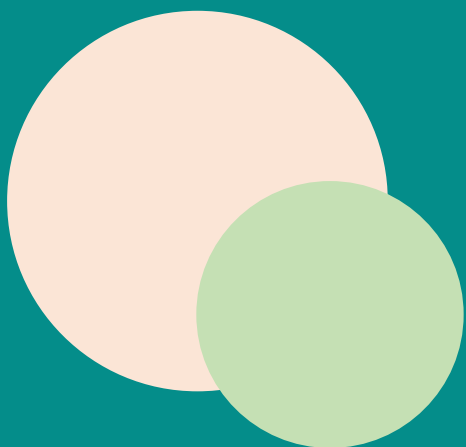


Conclusion

The LSQIP was concluded after the vote of thanks given by Dr. Anupam Sarma. The program was smoothly conducted throughout the five days and successfully ended as per the agenda. All the trainers were able to express their knowledge from their concerned topic in a very interesting and agreeable way to the participants that is reflected in the participant's feedback. We hope through this LSQIP the participants were able to learn important information regarding the activities in laboratory.



Appendices



LSQIP Schedule

DAY ONE

MONDAY 09 NOVEMBER 2020

TIME	EVENT
12:30 – 13:00	Inauguration Ceremony <hr/> <p><i>Welcome Speech</i> Dr. Anupam Sarma Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India.</p> <p><i>Inauguration of workshop & Speech</i> Dr. Satyendra Deka Principal, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India.</p> <hr/>
13:00 – 15:00	Technical Session – I Hands on Training Program on Chemicals Speaker Miss. Juti Rani Devi Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India Miss. Swabnam Khataniar Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India Trainer Miss. Juti Rani Devi Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India Miss. Swabnam Khataniar Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

LSQIP Schedule

DAY TWO

TUESDAY 10 NOVEMBER 2020

TIME

EVENT

13:00 – 15:00

Technical Session – II

Hands on Training Program on Glasswares

Speaker

Mrs. Ratnali Bania

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Pratap Kalita

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Trainer

Mrs. Ratnali Bania

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Pratap Kalita

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mrs. Neelakshi Sharma

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

DAY THREE

WEDNESDAY 11 NOVEMBER 2020

TIME

EVENT

13:00 – 15:00

Technical Session – III

Hands on Training Program on Instruments

Speaker

Dr. Anupam Sarma

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Manas Jyoti Kapil

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

LSQIP Schedule

Trainer

Dr. Anupam Sarma

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Manas Jyoti Kapil

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Ananta Saikia

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

DAY FOUR

THURSDAY 12 NOVEMBER 2020

TIME

EVENT

13:00 – 15:00

Technical Session – IV

Hands on Training Program on Instruments

Trainer

Mr. Satyasish Sandilya

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Manas Pratim Pathak

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Mr. Arup Chakraborty

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

DAY FIVE

FRIDAY 13 NOVEMBER 2020

TIME

EVENT

13:00 – 15:00

Technical Session – V

Hands on Training Program on GLP & Documentation

Speaker

Mrs. Ratnali Bania

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Miss. Swabnam Khataniar

Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India

Structure of the LSQIP

President	Dr. Satyendra Deka Principal, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India
Secretary	Dr. Anupam Sarma Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India
Members	Miss. Juti Rani Devi Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India. Mrs. Ratnali Bania Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India. Mr. Manas Jyoti Kapil Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India. Miss. Swabnam Khataniar Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India. Mr. Pratap Kalita Assistant Professor, Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam, India.



PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES
(Under Pratiksha Educational Trust)

Organizes

(LSQIP-2020)

**LABORATORY STAFF
QUALITY IMPROVEMENT PROGRAM-2020**

ON

**GOOD PRACTICES OF CHEMICALS, GLASSWARES AND
INSTRUMENTS IN LABORATORY**

DATE: 9th to 13th November, 2020

VENUE: SEMINAR HALL, PIPS



GLIMPS OF LSQIP

Inauguration Ceremony







GLIMPS OF LSQIP

Training on Instrument









Welcome to Closing Ceremony

LSQIP-2020

Five Days
Laboratory Staff
Quality Improvement Program 2020

on
Good Practices of Chemicals, Glasswares and Instruments in Laboratory

9th - 13th November 2020

Organized by



Pratiksha Institute of Pharmaceutical Sciences
Paukhuaiti, Guwahati, Assam, India



Report prepared and edited by

Dr. Anupam Sarma

Links



https://www.youtube.com/channel/UCqfnnPxZmG7eF-3wI_6JFGQ



<https://www.facebook.com/PIPSGuwahati>



www.pratiksha-edu.in



Pratiksha Institute of Pharmaceutical Sciences

(Under Pratiksha Educational Trust)

Chandrapur Road, Panikhaiti, Guwahati-26, Assam, India

Email: pratiksha.pharmaedu@gmail.com