**Initiatives related to skill Development programs/industry internship/summer training**

*(Mention the initiatives, implementation details and impact analysis)*

**Industrial training**

It is well recognized that there exists a wide gap between academia and the industry. What the students learn during their study in the institute on various aspects of drugs, drug products and pharmaceuticals in the laboratory scale, and the manufacturing of drugs and pharmaceuticals in the industry on large scale, is entirely different and the students need the exposure to the various operations, machinery, and industrial processing and the concepts of GMP. Therefore, practical training in industry is an important and indispensable component of the curriculum, as recommended by the Pharmacy Council of India(PCI) and implemented by the university(MAKAUT) at the end of the 6th semester of B.Pharm . The students undergo practical training of 150 hours spread over 30 days. The institute arranges practical training in a number of industries with prior permission.

The details of the industries in which the final year students undergo training are furnished. The industrial training and exposure to the processing/ a operations, considerably/ enhances the students knowledge, skills, confidence, employability and more importantly it helps to attain the POs in the real time/ world situation.

**list of industries providing the training as listed below:**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Name of the industry** | **Number of students**  **completed training** |
| 1 | Bidhan Pharmaceutical works PVT.Ltd(2021) | 2 |
| 2 | La- Chemico PVT.Ltd (2021) | 5 |
| 3 | Life Pharmaceutical industry PVT.Ltd (2021) | 1 |
| 4 | Nuak Laboratories Pvt. Ltd (2021) | 4 |
| 5 | Gluconate Health Ltd (2022) | 46 |
| 6 | Nuak Laboratories Pvt. Ltd (2022) | 26 |
| 7 | Supermax laboratories Dehradun (2022) | 3 |
| 8 | Dr. Sain’s Laboratories (2022) | 9 |
| 9 | East India Pharmaceuticals (2022) | 4 |
| 10 | Caplet India Pvt. Ltd (2022) | 1 |
| 11 | Aurio Pharma Laboratories Pvt. Ltd (2022) | 4 |
| 12 | Union drug co. Ltd. (2022) | 2 |
| 13 | Stadmed Pvt. Ltd (2022) | 17 |
| 14 | Dey’s Medical stores (Manufacturing) Ltd (2022) | 2 |
| 15 | Cradel Pharmaceuticals Pvt Ltd (2022) | 2 |
| 16 | Alkem Laboratories Ltd (2022) | 9 |
| 17 | Albert David Ltd (2022) | 5 |
| 18 | Life Pharmaceuticals Pvt. Ltd (2022) | 1 |
| 19 | Bidhan Pharmaceutical works PVT.Ltd(2022) | 5 |
| 20 | Aristo Pharmaceuticals Pvt. Ltd (2022) | 7 |
| 21 | Golden Cross Pharma Ltd (2022) | 12 |

**Hospital Pharmacy training**

The intent of this programme is to immerse the trainee pharmacy students in a practical setting

There by providing a transition period between the academic environment and the real world

practice.

**Objectives of the training programme:**

1. Accurately dispense medication according to the prescription.

2. Develop confidence to communicate well with the patients /healthcare professionals drug and health related information.

3. Comply with legal requirements associated with operation of pharmacy.

4. Provide insight of store management including procurement and drug distribution system.

5. To acquire clinical pharmacy skills by medication chart review evaluate and resolve potential drug related problems.

6. Assist the patients on use of drugs and medical devices.

7. Develop and exercise professional judgment

8. Be knowledgeable of and maintain ethical and professional standards of practice.

**Training modules:**

Module 1. Dispensary

Module 2. Policies and procedures of hospital pharmacy department

Module 3.Drug product handling

Module 4. Hospital pharmacy management

Module 5. Professional skill development

Module 6. Clinical pharmacy activities

Module 7. Clinical pharmacy services

A list of hospitals providing training as listed below.

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Name of the Hospital** | **Number of students**  **completed training** |
| 1 | Dakshin Narayanpur rural hospital (2020) | 1 |
| 2 | Vidyasagar BPHC (2020) | 1 |
| 3 | Fort gloster SG hospital (2021) | 5 |
| 4 | Bagnan rural hospital (2021) | 3 |
| 5 | Kolkata medical college and hospital (2022) | 1 |
| 6 | Uluberia ESI Hospital (2022) | 3 |
| 7 | Uluberia sub-divisional hospital (2022) | 3 |
| 8 | Kamarpukur rural hospital (2022) | 1 |
| 9 | Taki govt rural hospital (2022) | 1 |
| 10 | Udynarayanpur state general hospital (2022) | 1 |
| 11 | Khanadaghosh BPHC (2022) | 1 |
| 12 | Barasat district hospital (2022) | 1 |
| 13 | Debra super speciaity hospital (2022) | 1 |