**Initiatives related to Industry and/or Hospital interaction**

*(Give details of the industry/ hospital involvement in the Program such as industry attached laboratories, partial delivery of appropriate courses by industry experts and/or collaborative initiatives with the hospitals etc. Mention the initiatives, implementation details and impact analysis)*

Sincere efforts are made to establish/maintain interface/ties with the industry and hospitals for the benefit of the students. In connection with various professional and co-curricular activities such as National Pharmacy Week, International Women’s Day and World Tuberculosis Day etc, professionals are invited from industry and hospitals to share their valuable knowledge and experience which will have positive impact on the professional development of the students. The details of various initiatives taken by the institution as listed below:

**Lecturers delivered by Guest experts from Pharmaceutical Industry/Hospital / University:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Speaker** | **Topic** | **Delivery Mode****(offline/online)** | **Date** |
| 1 | Dr. A. Ramkishan  Deputy Drugs Controller (India)CDSCO, East Zone, Kolkata, Ministry of Health & Family WelfareGovernment of India. | Drug Regulatory Framework:Recent Initiatives by Govt. of India | Online  | 25-09-2021 |
| 2 | Mrs. Raka Mukherjee Manager , QADey’s medical Kolkata | Quality assurance in pharma Industry | Offline  | 13-12-21 |
| 3 | Dr. R. N. Gupta Adjunct professor NIPER, Kolkata-700054 | Importance of Preformulation in development of pharmaceutical dosage forms.  | Offline  | 21-12-21 |
| 4 | Mr. Pratik samantaQA managerLife Pharmaceutical Pvt Ltd | Importance of process validation and its requirements as per Schedule M.  | Offline | 24-02-22 |
| 5 | Ms Koyel Pal ChoudhuryNutritionist and Dietician, NRS Medical college and Hospital Kolkata. | An interactive session on basic nutrition | Offline | 08-03-22 |
| 6 | Dr. Suryakanta Swain Professor and Dean, School of Pharmacy, The Assam Kaziranga University, Jorhat, Assam, India-785006 | QbD in Analytical Process Development | Offline | 21-03-22 |
| 7 | Mrs. Raka Mukherjee Manager , QADey’s medical Kolkata | Validation in various areas | Offline | 04-04-22 |
| 8 | Mr. Soumya GangulyResearch Associate, TCG Life sciences Pvt. Ltd, salt lake Kolkata  | Role of softwares in pharmacokinetic and pharmacodynamic study | Offline | 23-04-22 |
| 9 | Dr. R. N. Gupta Adjunct professor NIPER, Kolkata-700054 | IPR and its importance in Pharmaceuticals  | Offline | 26-05-22 |
| 10 | Mr. Pratik samantaQA managerLife Pharmaceutical Pvt Ltd | Importance of in house training of the employee for maintaining the quality of the product.  | Offline | 25-06-22 |
| 11 | Dr. Suryakanta Swain Professor and Dean, School of Pharmacy & Paramedical sciences, K.K University, Berauti, Nalanda, Bihar,India. | Applications of QbD based software’s in Pharmaceutical Formulations optimization Process. | Offline | 11-07-22 |
| 12 | Mr. Girija Prasad PatroHead- NDDSNaprod life sciences Pvt Ltd. L-33, Tarapur, MIDC BOISAR, Maharastra | Liposomes | Online  | 13-08-22 |
| 13 | Dr. Sathish DharaniTexas A&M Health Science Center, College Station, Texas, USA. | Discriminatory dissolution method development- Role of polymorphism  | Online  | 25-08-22 |
| 14 | Mr. Avik Chaudhuri Senior team leader, Stride Pharma Sciences Ltd, Bangalore, India. | General Awareness about the Current Practices in Pharma Industry. | Online  | 19-09-22 |
| 15 | Mr. Soumya GangulyResearch Associate, TCG Life sciences Pvt. Ltd, salt lake Kolkata | HPLC usage and preparation of calibration curve  | Offline  | 24/09/22 |
| 16 | Dr. Roop KalyanCounsellor, Haemoglobinopathy control program, Satay Chandra Chattopadhyay Govt. Medical College and Hospital | Thalassaemia Screening | Offline | 20/10/22 |
| 17 | Mr. Suvendranath BanerjeeHOD QC, Rugby Pharma (P) Ltd.I.G Road, Hoogly. | Quality | Offline | 22/11/22 |
| 18 | Prof. T. K Maity, Dept. of Pharmaceutical Technology, Jadavpur University.  | Pharmacy of the world- India  | Offline | 22/11/22 |
| 19 | Mr. Suman Kumar GhoshFounder Director, Mapasu e- learning, J.J. Road, Behala, Kolkata- 700060 | Soft skill development in Pharma Regulatory | Offline | 19/01/23 |
| 20 | Dr. Bharat Bhusan Subudhi Professor, SOA University, Orissa | How to develop a positive attitude | Offline  | 25/01/23 |
| 21 | Mr. Suman Kumar GhoshFounder Director, Mapasu e- learning, J.J. Road, Behala, Kolkata- 700060 | Pharma Regulatory | Offline | 17/03/23 |
| 22 | Dr. Sharmila NathAssoc. Professor, Dept. of Pharmacology, Calcutta medical College | A talk on Tuberculosis  | Offline | 25/03/23 |
| 23 | Mr. Suman Kumar GhoshFounder Director, Mapasu e- learning, J.J. Road, Behala, Kolkata- 700060 | Entrepreneurship development skill | Offline | 10/05/23 |