

Seminar Report

NATIONAL SEMINAR ON RECENT TRENDS IN PHARMACEUTICAL TECHNOLOGY

Title: Recent Trends in Pharmaceutical Technology

Date: 04.02.12

Time: 10.00am to 05.00 pm

Venue: H.K. College of Pharmacy, Jogeshwari (w), Mumbai - 400102

Chief Guest: Key Note Address: Dr. Milind Biyani, Director Aspire advisers Pvt Ltd, Kandiwali (W), Mumbai.

Inaugural session presided by: Dr Rajeshri Dhurke- seminar organiser, H.K.C.P. Mumbai.


Vote of Thanks: Dr. Sonali Kapse -seminar organizer, H.K.C.P. Mumbai.

Highlights of Seminar

 **10-00 am**

Dr. Milind Biyani – Key note address:

Expressed that academic power and industrial power should work hand in hand and ‘Man, Machine and Material’ are the key parameters of a successful pharmaceutical industry. He urged the academicians to thrive for commercial research which is the urgent need today to increase efficiency of effective and safer medicines. He further added that despite high expectations, productivity is frustratingly low in pharmaceutical research and development. Rational drug discovery and development, target based approach and authenticity of research are the areas required to be improved. He also reviewed a positive picture that India is becoming a destination for clinical research opening the doors for aspiring students to make a career. In the end he gave a warm advice to the students of HKCP to be more focused, open, bold, moving fast, skillful and passionate in their career as success comes before work only in a dictionary.

 **10-30 am**

Mr Ajit Kanetkar- Head of Technology Support and Training Cell, ACG corporate.

Topic: An overview of industrial pharmacy

Introduction of regulation in pharmacy- Importance of clinical testing, Importance of symbols in pharmacy and biotechnology, Importance of automation in industry, Importance of validation , product design and control, Aspect of quality by design, Importance of quality assurance, Myths and

misconceptions of regulatory bodies, Criteria for selection of appropriate dosage forms, Overview of new therapeutics

Different types of waters used as raw materials, Facility design and a typical box in box concept of a pharmaceutical plant.

🚦 **11.45 am**

Mr Bhupesh Lad, Head of Design, ACG PAM Encap.

Topic: Innovations in capsule filling machines

A video demonstration of various capsule filling machines based on CGMP

Empty capsules sorter and elevator machine, Product conveyers, Polishing machines for capsules
Sample check weighing machines, Defective capsules removing machines, Liquid filling in hard gelatin capsule machine, Band sealing machine, Micro dosing powder machines (5-15 mg), Toxic products filling machine, Mini tablets filling attachments, Micro tablets filling machine, Tablets + powder filling machine, Liquids+pellets filling machine, Thixotropic products filling machine.

🚦 **02.20 pm**

Mr Vasant Shetty, Head of Process Technology Pam Glatt Pharma Technologies Pvt Ltd.

Topic: Coating Technology

Fluid bed processing versus traditional tray drying and factors affecting granulation, Wurster coating process, Basic principle, Phases of Wurster coating, Process variables such as humidity, temperature, lab to pilot conditions, Common problems in SR/ER pellets coating, Perforated pan coating, Horizontal air flow and its importance, Various types of baffles used in coating pans
Spray gun nozzles.

🚦 **3.20 PM**

Mr Durgesh Rajadhyaksha- Executive ACG Value Links (AVL)

Topic: A video demonstration of various packaging machines–

Counting the sachets, Carton filling, Shrink wrap technology, Pester pac automation, Automatic labeling of cartons

🚦 **4.00 PM Question answer session by Mr Ajit Kanetkar and valedictory function.**

Prepared by:

Mrs. Sushruta Mulay
Scientific cell officer

Dr. Anubha Khale, Principal

H.K. College of Pharmacy