

Uka Tarsadia UniversitySponsored



Six Days Workshop

on

Applications of QbD in Pharmaceutical Research



Date: 14th Nov to 19th Nov 2016

Organized by Maliba Pharmacy College, Bardoli, Gujarat

Participants:Co-ordinators:M.PharmMs. Hetal Patel

Mr. Praful Dedhiya

Time: Venue:

9:00 AM to 3:30 PM

IBM Lab; Class EG-117

Maliba Pharmacy College

Course objectives:

By attending this workshop, participants will be able to

- understand the concept of Quality by Design (QbD)
- learn applications of various statistical designs for dosage form development and method development in pharmaceutical research
- understand fundamentals of various screening and RSM designs
- perform regression analysis by microsoft excel
- perform various screening and RSM designs manually and/or by using software (Design Expert)

Teaching methodology: The workshop will be conducted through lectures and hands on training on MS-office Excel and Design-Expert®(Trial version).

Certification: All the participants will be evaluated through assignments and written tests. Certificate will be awarded to those who qualified.

Attendance: Attendance is compulsory for all sessions.

Course sessions: Total twelve sessions will be conducted.

Day 1: 17 th Oct 2016 Monday	- , , , ,
,	for effect of 2 factors on response by 2 ² factorial design
	Session 2: Practice of QTPP and CQA writing for various reserach projects selected from literature, Hands on
	training for 2 ² Factorial design using various case studies
Day 2: 18 th Oct 2016	Session 1: Analytical QbD (ATP, CQA and CPP), Hypothesis
Tuesday	testing, Z test, One way ANOVA, Level of significance
	Session 2: Problems of Z test and One way ANOVA
Day 3: 19 th Oct 2016	Session 1: Theory of Regression analysis and Polynomial
Wednesday	equations, Demonstration of Regression analysis in
	microsoft excel
	Session 2: Prcatice of Regression analysis in microsoft
	excel using various case studies
Day 4: 20 th Oct 2016	Session 1: Theory of Plackett Burman Design and

Thursday	Fractional factorial design, Demonstration of Plackett Burman Design and Fractional factorial design in Design Expert software Session 2: Hands on training for Plackett Burman Design and Fractional factorial design in Design Expert software using various case studies
Day 5: 21 st Oct 2016 Friday	Session 1: Theory of Box Behnken Design, Demonstration of Box Behnken Design in Design Expert software Session 2: Hands on training for Box Behnken Design in Design Expert software using various case studies
Day 6: 22 nd Oct 2016 Saturday	<u> </u>