



# Quality by Design (QbD) and Design of Experiments (DoE)

## Certification course for enhanced career growth

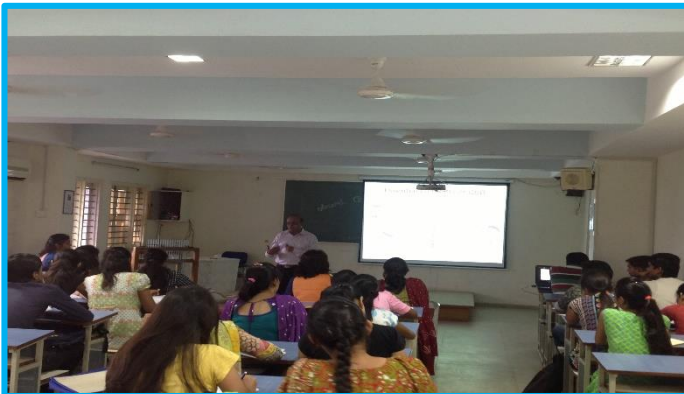


8<sup>th</sup>-11<sup>th</sup> September 2014

### Activity Conduct Report:

Eminent Speaker & Trainer: Dr. Mukesh C. Gohel [PG Director]

No. of Participants: 27

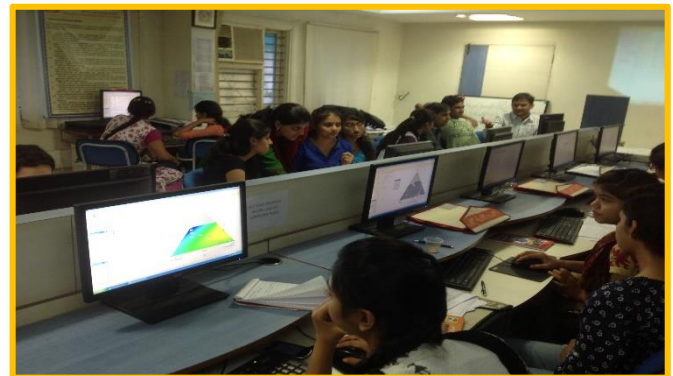


Course topic covered: **Design of Experiments (DoE)**

- The salient feature was the hands-on training on computer.
- Detailed knowledge on screening designs, factorial design, central composite design, and fractional factorial design. Stress given on interpretation of the results of multiple regression analysis.
- Introduction to multivariate tools. The participants was able to analyze the data and define the design space.

#### Quality by Design (QbD)

- Training on QbD was given in various modules. The program includes introduction to QbD, QTPP, elements of QbD, Ishikawa diagram, Quality risk management (QRM), identification of CMA, CPP, continuous improvement, etc.
- Introduction to PAT and lean drug manufacturing was also covered.
- Hands-on training given for MiniTab and Design Expert software.



Organized by: **ANAND PHARMACY COLLEGE** (Managed by Shri Ramkrishna Seva Mandal)  
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*"Quality cannot be tested into products, it should be built in, or by design"*

