



INDIAN INSTITUTE OF TECHNOLOGY



(IIT) BOMBAY

CONTINUING EDUCATION &
QUALITY IMPROVEMENT PROGRAMMES (CE&QIP)

Certificate of Participation

This is to certify that

Prof. Sachin Rajaram Vankar

has participated in the AICTE sponsored
one-week QIP Short Term Course on

**TRIZ and Taguchi methods using
Innovation and Optimization**

conducted by IIT Bombay during August 11 - 16, 2012

B. Bandyopadhyay

**Prof. B. Bandyopadhyay
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S. Joshi

**Prof. Suhas S. Joshi
Course Coordinator**

No.CE&QIP/EE/Q-4/2012-13/01

(See Overleaf for Course Contents)

Course Contents

- **TRIZ : Innovative Problem Solving**
 - **Formulating the problem using TRIZ**
 - **Various Tools of TRIZ**
- **Design of Experiments/Taguchi Method**
 - **Orthogonal Arrays**
 - **Experiments using L8, L9 and L18 Arrays**
 - **Analysis of Mean and ANOVA**
 - **Determination of Best Parameter settings**
 - **Prediction and Verification**