

INDIAN STATISTICAL INSTITUTE

S.Q.C. & O.R. UNIT, MUMBAI



This is to certify that **Mr. DHIMAN BANERJEE** of
M/s. Hinduja Global Solutions has successfully
completed

Master Black Belt Qualifying Course

During 6-11 April & 25- 30 May 2015

Date: 27 July 2015

Certificate No :MBB8/ 02


(Ashok Sarkar)
Head-SQC & OR Unit- Mumbai

Course coverage is given overleaf

Course Description:

In addition to selected topics of Six Sigma Black Belt Body of Knowledge, following topics were discussed.

- **Overview of Six Sigma Methodology and Lean**
- **Review Strategies for effectively implementing Six Sigma and Lean Six Sigma in an organization**
- **Understanding of Deployment Strategies – Business Goals/ Dashboards/ Balance Business Score Card or Customer Goals including linkages with financial goals**
- **Executive and other roles and responsibilities in Six Sigma/Lean implementation**
- **Six Sigma Project selection-linkage to strategy**
- **Over view of Lean Six Sigma Project execution (DMAIC or DFSS/ DMADV)**
- **Project Review Guidelines and selection of Belts for the projects**
- **Voice of Customer, Affinity Diagram & Quality Function Deployment**
- **Distribution fitting of a data, evaluation of Process Capability and Concept of Short Term, Long Term Process Capability and assessment of Sigma level**
- **Identification of VA and NVA activities & Value Stream Mapping**
- **Lean tools and integration of Six Sigma and Lean concept i.e., Lean Six Sigma**
- **Logistic regression and use of the same in validating the cause**
- **Reliability Theory, Design FMEA, Pugh Matrix, Fault Tree Analysis**
- **Taguchi Methods of Parameter and Tolerance Design**
- **Exploratory Data Analysis**
- **Multivariate Analysis like (cluster analysis, factor analysis etc)**
- **Conjoint analysis**
- **Simulation & Queuing theory**
- **Change Management Process dealing with resistance to change ,**
- **Concept and Examples of Poka-Yoke, Visual Workplace and 5S & Planning for full scale implementation.**
- **Process of Closing the Project**
- **Work through at least 3 Six Sigma projects of different applications**
- **Process of Closing the Project**

This certificate is valid for 1 year from date of issue