

Improsys's

*Six Sigma Certification*

▶ **Six Sigma Black Belt**

▶ **Six Sigma Green Belt**

▶ **Six Sigma Yellow Belt**

Profitability  
*focus*

**ADDRESSING THE NEEDS OF INDIVIDUAL EMPLOYEES TO UPGRADE PROBLEM SOLVING AND DECISION MAKING SKILLS.**

**Improsys.in is solution provider for integrated business, technology and process problems on a global delivery platform.**

Improsys is a business improvement solutions organization with focus in the area of systems design, systems development & systems implementation.

Improsys helps organizations to design systems, which connect to the company's vision, goals and objectives.

At Improsys, the emphasis is on putting systems in practice rather than submitting consulting reports.

## Six Sigma Black Belt

### PROGRAM OVERVIEW

Since a key role for Six Sigma Black Belts is to effectively lead project teams, our program prepares your participants to do just that. The **Improsys's** Six Sigma Black Belt Program gives your participants the skills and knowledge they need for the exceptional leadership of business improvement projects. Upon completing each segment of training, participants immediately apply concepts and tools taught in training to their real-time improvement projects. Black belts are experts groomed in the Six Sigma Methodology and advanced statistical tools. They can come from all functions of your organization. Although participants do not need to be statisticians, they need to be willing to use statistical tools to apply Six Sigma. Black Belt participants learn to use the DMAIC model for process improvement and statistical tools and techniques to make fact-based decisions.



### METHODOLOGY

Our approach to developing Six Sigma Black Belts and Green Belts is based on an Action Learning Model. This model combines online instruction with real-time project implementation and training. The course-training syllabus of six sigma is based under the guidelines of Quality Council of India (QCI).

**The training is delivered through online as well as classroom training.**

# Who should attend?



- Post Graduate /Graduate /Diploma Holders
- 2+ years industrial / professional experience
- Professionals from Manufacturing, Retail, Telecom, IT/Technology, ITES (BPO/KPO/Shared Services), Banking, Insurance and Financial services, or other industry sectors
- A keen interest to learn and implement performance improvements in workplace, drive a performance oriented culture in professional and personal life



## COURSE CONTENT

- i. Overview of Six Sigma Methodology
- ii Cultural imperatives to Six Sigma
- iii Identification, Prioritization and selection of Improvement opportunities
- iv. Roles and responsibilities in Six Sigma implementation
- v. Over view of Six Sigma Project execution
- vi. Development of Project Team and Charter
- vii. Define and Map Processes to be improved
- viii. Identification of critical to customer / critical to business characteristics
- ix. Voice of Customer & Quality Function Deployment
- x. Type of Data
- xi. Knowledge of Statistical distributions
- xii. Prioritisation Matrix and FMEA
- xiii. Introduction to various statistical software packages
- xiv. Measurement System Evaluation (Gauge R&R)
- xv. Understanding variation-special causes vs. common causes
- xvi. Stratification methods
- xvii. Normality test of a data
- xviii. Evaluation of Process Capability for Data from Normal/Non-Normal Distribution
- xix. Concept of Short Term, Long Term Process Capability & assessment of Sigma level
- xx. Cross Functional Process Mapping
- xxi. Organizing for potential causes
- xxii. Verification/validation of causes
- xxiii. Concept of correlation and Regression s
- xxiv. Concept of Test of Hypothesis
- xxv. Sample Size determination
- xxvi. Concept of Multiple Regression
- xxvii. Concept of logistic regression
- xxviii. Concept of Design of experiment
- xxix. Generate Improvement Ideas
- xxx . Lean Concepts, including Kaizen and SMED
- xxxi. Solution Evaluation Criteria, Evaluation of solutions and selection of solutions
- xxxii. Change Management Process dealing with resistance to change
- xxxiii. Process of piloting the solutions
- xxxiv. Risk Analysis
- xxxv. Concept and Examples of Poke Yoke, Visual Workplace and 5S
- xxxvi. Planning for full scale implementation
- xxxvii. Evaluation of results after implementation
- xxxviii. Monitoring the results through statistical Process Control
- xxxix. Monitoring the results as a part of established QMS
- xl. Institutionalization and integration of the solutions
- xli. Process of Closing the Project
- xlii. Work through at least 3 six sigma projects of different applications
- xliii. Documentation of a Project

The training is delivered through online classroom. Highlights of training programs are-

- Access to the self-paced online material anytime from any location
- Students complete the program 100% online.
- High quality online tutorials/notes for each topic
- Online Multimedia Audio/Video Classroom trainings
- Chatting facility for online discussions on project issues for each topic
- Discussion forums for offline discussions on project issues for each topic
- Online practice exams and quizzes for each topic
- Online and offline assignments for understanding practical aspects of six-sigma implementation.
- Six Sigma Training Certification upon completion of online examination. In first attempt. (Attempts allowed 1 for online courses and 3 for offline courses).

## **COURSE FEES & DURATION:**

**The Course Fees for Classroom Six Sigma Black Belt Certification Course is as follows:**

<b>Admission Fee</b>	<b>: Rs 0.00/-</b>
<b>Tuition Fee</b>	<b>: Rs 5000 /-per session.</b>
<b>Exam &amp; Certification Fee</b>	<b>: Rs 10000 /-only. (Waved if 4 sessions attended).</b>

**The program can be completed by attending minimum 3 to 5 sessions depending on –**

- **Participant's Learning curve**
- **Qualification and previous exposure to statistical methods.**

**Participant is required to deploy knowledge learned during course by completing two six sigma black belt level projects.**

## **TIMING:**

**Each Session: 10 am-6 pm including break for Lunch and Tea.**

## **PAYMENT MODE:**

### **1. By ELECTRONIC FUND TRANSFER**

This can be done directly from your **Internet Banking A/c** (or) visiting your bank branch and placing a **fund transfer request** using the following details of our Bank account.

Execute an **Electronic Fund Transfer** (NEFT) instruction using the following details:

Beneficiary Name: **Improsys**  
Beneficiary Account Type: Current Account  
Beneficiary Bank: **HSBC Bank**  
Beneficiary Account Number: 1460698109  
Beneficiary Bank Branch: Pune Deccan  
Beneficiary Bank IFSC code: HSBC0411003

### **2. By DEMAND DRAFT (DD) / Cheque**

**Demand Draft (DD)** favouring "**Improsys**" (payable in Pune)

Send DD to – **Improsys, 427, Jai Ganesh Vision, Akurdi, Pune- 411035.**

### **3. By CREDIT CARDS-**

Visit to <http://www.sixsigma.name> to pay online via secured Payment Gateway.  
**All Major Credit Cards –MasterCard, Visa are accepted.**

## **REGISTRATION:**

- 1. Registration is confirmed after receipt of dually filled enrollment form along with scan copy of the required certificates and requisite amount of course fee .**
- 2. Enrollment form available in <http://www.sixsigma.name/>.**

## **BENEFITS OF IMPROSYS CLASSROOM TRAININGS:**

- 1) Interaction with every student focusing his/her career development.**
- 2) Answer to queries and problems faced during training/learning.**
- 3) Improvement in knowledge in all aspects with change in attitude and approach towards problem.**
- 4) Trainings help in grading up their performance in work.**
- 5) Free access to Laptop and Internet during class trainings.**

**Online Registration at:**

**<http://www.sixsigma.name>**

**Or**

**Mail to: [supriya@sixsigma.name](mailto:supriya@sixsigma.name)**



