



## **LEAN SIX SIGMA TRAINING AND CERTIFICATION IN EDUCATION**

**Best Careers Book offers Training, certification and Implementation of Lean Six Sigma in Schools for the First time in India.**

### **BACKGROUND of LEAN SIX SIGMA**

Six Sigma is a set of methods and tools for process improvement.

**Six Sigma** was developed by Bill Smith in 1986. He was an engineer at Motorola and aimed to improve the company's devices which didn't meet the quality standards at the time. He based the approach on statistical and quality control methods taught by Walter Shewhart, Ronald Fisher, and Edwards Deming.

Six Sigma is a set of management tools and techniques designed to improve business by reducing the likelihood of error. It is a data-driven approach that uses a statistical methodology for eliminating defects. The etymology is based on the Greek symbol "sigma" or " $\sigma$ ," a statistical term for measuring process deviation from the process mean or target. "Six Sigma" comes from the bell curve used in statistics, where one Sigma symbolizes a single standard deviation from the mean.

**Lean** : Waste, or *muda* in Japanese, is defined as the performance of unnecessary work as a result of errors, poor organization, or communication. Utilizing lean principles throughout an organization can offer one a competitive advantage by lowering operating costs and improving productivity. The benefits of implementing lean are optimized when combined with kaizen events, Six Sigma, the theory of constraints, and other improvement methodologies.



## LEAN SIX SIGMA IN EDUCATION

Though Lean and six sigma are widely used in the industries and big corporate houses, the principles of Lean six sigma and its tools can be used in the education sector to drive excellence in Quality of Education and different processes of the educational organizations.

Training the school Management, Principals, Teachers and Non-teaching staff the Principles, Tools and techniques of Lean six sigma can do wonders in transforming the quality of education in schools.

Though Lean Six sigma in the IT, Healthcare ,Manufacturing, Finance , Aviation and Logistics industries is widely being practiced and considered as topmost in quality management systems, its introduction and implementation in the field of education is a very new concept. Though a few advanced nations like USA have taken the initiative to train the school management and employees in Lean six sigma techniques, such initiative is an extreme rarity in India. Best Careers book's Training on Lean Six Sigma in Education, is the first program in India to convert the Teachers and Management of schools into seasoned Lean Six sigma practitioners and Quality Management Personnel.

*Lean six sigma in Education* is about customizing the Principles, tools and techniques of Lean Six sigma that will be easy for the school Principals and teachers to learn, understand and implement.

## **CERTIFICATIONS OF LEAN SIX SIGMA:**

The Six Sigma certification comes in various skill levels: White Belt, Yellow Belt, Green Belt, Black Belt, and Master Black Belt.

The value or recognition of certificates of Lean Six sigma depends on the knowledge that you gain in the training. Though in the industrial sectors, Certification bodies like ASQ (American Society of Quality) or IASSC (International Association for Six Sigma certification) provide accreditation to different Training Organizations, and widely recognized, their course material is not specifically designed for Education sector or school Teachers.

The Training quality and content is of prime importance as a certificate without imparting the required skillsets, mean nothing. Best Careers Book's **Lean Six Sigma in Education** Training and certification is the first and only program in India customized for the schools. The Tools, Techniques and projects of Best Careers Book are all relevant and related to schools.

Dr Swarup Dutta, is the first school Principal in India to become a Master Black Belt in Lean six sigma, Dr Dutta is also a well-known Master Trainer of CBSE Centre of Excellence, so the certificates issued by Best Careers Book , are well recognized by all quality conscious schools. The knowledge you acquire will help you appear for ASQ or AISSC certification examinations too. Most importantly the Training will help you master the tools and Techniques of Lean Six sigma and use them in your schools.



### **Lean Six Sigma White Belt in Education ( 2 Hrs of Training)**

It is the basic level of certification that deals with the basic Six Sigma concepts. White belts support change management in a school and engage with local problem-solving teams that assist projects.

### **Six Sigma Yellow Belt in Education ( 8 Hours of Training)**

At this level, you know the specifics of Six Sigma, how and where to apply it. You will support project teams on problem-solving tasks.

### **Six Sigma Green Belt in Education ( 20 Hours of Training)**

At this level, you understand advanced analysis and can resolve problems that affect quality. Green belts lead projects and assist black belts with data collection and analysis.

### **Six Sigma Black Belt in Education ( 40 Hours of Training)**

Black belts are experts and agents of change. They provide training in addition to leading projects.

### **Six Sigma Master Black Belt in Education.**

This is the highest level of Six Sigma achievement. At this level, you will shape strategy, develop key metrics, act as a consultant, and coach black and green belts. Master Black belt in Lean Six sigma in Education, will be awarded on clearing an assessment and a completion of real project in a school.

## **WHO CAN BENEFIT BY ENROLLING IN SIX SIGMA CERTIFICATION PROGRAM**

PROBLEM SOLVERS -DECISION MAKERS -REAL EXPERTS

- School Principals/Teachers who wish to solve problems using a structured approach can benefit from Lean Six Sigma.
- Anyone who wants to improve an Organization's/School's performance.
- Process Improvement team members of schools who wish to carry out improvement projects.
- Any progressive School Principal/Teacher who wants to bring change for the better.
- Anyone who wants to build competence that is domain independent.

## **BENEFITS OF LEAN SIX SIGMA CERTIFICATION**

### **Benefits at a Personal Level:**

- a) Lean Six Sigma certification is great way to improve your capabilities as a leader in your organization.
- b) Being able to put a Lean Six Sigma certification in Education into your profile shows your understanding of a Process and analytical abilities.
- c) You become a torch bearer of Quality in your school. Your identity as a Leader in driving Quality practices makes your career grow incredibly.
- d) You become an effective Problem solver. The School management will look at you to assist them in solving problems of the school.
- e) As a lean six sigma certified Teacher, you would be able to identify and handle projects of school development independently.
- f) You become recognized as a cost cutting, waste reduction and error elimination Human resource for the school management.
- g) You will become an asset for any organization.

### **Benefits to the Organization**

- 1) Helps an Organization Reduce Risk and Eliminate Errors and Defects
- 2) Improve Processes and Sustain Quality Improvement
- 3) Improves Productivity
- 4) Reduce costs
- 5) Boosts Parents and students interest in the organization/school.
- 6) Gain credibility and stakeholders trust.

**To implement Lean Six sigma in your school or for Training of all the staff members send a mail to [leansixsigma.edu@gmail.com](mailto:leansixsigma.edu@gmail.com)**

## **TRAINING PACKAGE**

- Pre-training Preparatory Material
- Pre-training online awareness webinar.
- Online Training/Offline Training
- Online Training Material
- Data and Templates for Analysis
- Instructor-Led Online Training
- 200+ Practice Questions
- Lean Six sigma Belt Examinations
- Projects – 4 Hands on Projects to perfect the skills learnt
- Certificate with Lifetime Validity

## **Certifications offered and course fee**

- 1) **White Belt – Rs 500**
- 2) **Yellow Belt – Rs 3000**
- 3) **Green Belt – Rs 8,000**
- 4) **Black belt – Rs 15,000**

**We offer a no questions asked, **100% money back guarantee** to all of our training participants. This guarantee covers you when you are dissatisfied with any aspect of the Lean Six Sigma Training & Certification, and communicate it to us via an email ([leansixsigma.edu@gmail.com](mailto:leansixsigma.edu@gmail.com)) within 24 hours from the time when the first session of the training. It's that easy!**

**Lean six sigma certification on Education will only cover those topics of Lean Six Sigma which are relevant or can be used in the education sector.**

### **Skills**

Develop skills to use Six Sigma methodologies, Lean concepts, and DMAIC methodologies: Design, Measure, Analyse, Improve, and Control.

### **Alignment**

Our course is designed as per the universally accepted IASSC model and customized mainly for School Teachers and Educators.

## **Outcome**

Helps you to implement Lean Sigma techniques in schools to ensure Students' and Parents' delight.

## **CONTENT OUTLINE ( expandable)**

### **Define, Measure and Solve Problems**

- Selecting a project
- Project Charter
- Introduction to MSA ( Measurement System Analysis)
- Attribute agreement Analysis
- Brainstorming
- Poka Yoke
- Control Plan
- DMAIC
- DMADV
- 5S
- SIPOC

### **Root Cause Analysis**

- Fishbone, affinity, 5 Why, Pareto Analysis
- Process FMEA
- Value Add , Non Value add analysis
- Sampling methods
- Hypothesis testing
- Scatter diagram, Correlation and Regression

### **Statistics Process Stability and Capability**

- Types of data, measurement of central tendency and spread.
- Graphical tools
- Common causes , special causes, control charts
- Specification limits
- Defects vs Defectives

TO REGISTER FOR A CETIFICATION [CLICK HERE](#)

Name:

Designation

School

Address

E mail

Mobile number/Whatsapp number

Alternate number

Register for which Belt : White

Yellow

Green

Black Belt





## TheHitavada

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# Dr Dutta, first principal in India to win black belt in Lean Six Sigma

■ Dr Dutta's webinar for CBSE school teachers, principals on 9th

■ District Correspondent  
BULDANA, Oct 5

DR SWARUP Dutta, Principal of MSM English School, Malkapur, recently received a Black Belt in 'Lean Six Sigma'. He is the first-ever school principal in the country to achieve this feat.



Lean Six Sigma is a very advanced Quality Management System (QMS) based on collection and analysis of complex statistical data. Lean can be explained as method for waste reduction and value addition to any process or product. The ultimate goal of Lean is to provide perfect value to the end user through a value creation process that has zero waste. Six Sigma is

a set of methods and tools for process improvement and quality management by finding defects, determining their cause and improving quality by eliminating those defects or errors to the extent of 3.42 errors per million times a process is run i.e. almost zero defects.

On October 9, 2020, CBSE's Centre of Excellence, Thiruvananthapuram, has organised webinar of Dr Swarup Dutta for CBSE School Teachers and Principals across the country on the topic, 'An Introduction of Lean Six Sigma in Education.' This can be seen as first step for implementation of 'Lean Six Sigma' in schools across India.

President of School Management Committee Dr P G Mohata, President of Gaurishankar Seva Samiti Moresh Mahajan, Executive President Dr Arvind Kolte, Vice Presidents Govind Baheti and Ramesh Umalkar and all members congratulated Principal Dr Swarup Dutta for this achievement.