National Productivity Council

Marg darshan

COE:IT FOR I4.0- E-TRAINING

CERTIFIED LEAN SIX SIGMA GREEN BELT (CLSSGB) INTERNSHIP PROGRAM FOR UNIVERSITY STUDENTS

LIVE VIRTUAL TRAINING/ INDUSTRY CONNECT | **INDUSTRY 4.0 SESSIONS** | **DELIVERY BY INDUSTRY EXPERTS** | **LEAN SIX SIGMA GREEN BELT CERTIFICATE**

WHO SHOULD ENROLL

- ***College students exploring to match industry needs***
- ***Fresh graduate aspiring to enhance their career prospects***
- ***Students who wish to learn analytical methods for problem solving***

- ✓ ***36 HOURS OF VIRTUAL INTERACTIVE CLASSES***
- ✓ ***3 WEEKS PROGRAM***
- ✓ ***INDUSTRY CONNECT FOR ENHANCED LEARNING EXPERIENCE***

First Batch Commencing from 18th November, 2020

Note: A Batch normally consists of 25-30 Nos. Of Students

ABOUT THE PROGRAM

- *The Education sector is at a cusp of a new Revolution. The changed scenario desires rethinking on how to educate, and the domains in which the student should be taught in order to adapt according to the market demand.*
- *Six Sigma is a data driven, customer focused, and result oriented methodology which uses statistical tools and techniques to systematically eliminate the defects and inefficiencies to improve processes. Six sigma certification has a high demand in market and has wide application in manufacturing scenario and services sector viz. Insurance and financial institutions, IT and ITES, Telecommunication, Healthcare, Retails, Hospitality, Hotel and tourism business, Banks etc. Certified Lean Six Sigma Green Belt (CLSSGB) Internship program has been designed to provide training to candidates w.r.t. the basic tools used by a project team and how to apply DMAIC skills that relate to a Six Sigma project. The training course provides not only the practical knowledge but also hands-on experience of applying various tools and techniques through real-world problems. By the end of the program, candidates would be fully equipped to solve complex business problems using Six Sigma methodology.*

CORE COMPETENCY OF CERTIFIED LEAN SIX SIGMA GREEN BELT (CLSSGB) INTERNSHIP PROGRAM

- *Build problem solving, analytical and business acumen skills.*
- *Learn process improvement, data analysis and project management skills.*
- *Able to drive successful implementation of Change Management.*
- *Identify root cause of the problem and prevent recurrence.*
- *Master Six Sigma tools and techniques (DMAIC/MSA)*
- *One of the USP of this program is inclusion of "SESSIONS ON INDUSTRY 4.0". Industry 4.0 describes the organisation of production processes based on technology and devices autonomously communicating with each other along the value chain. Since the advent of advanced technologies, like Big Data & Analytics, Artificial Intelligence, Machine Learning, 3-D Manufacturing, AR/VR etc., Industry 4.0 helps to improve the overall productivity and helps to detect and improve recurring inefficiencies.*

BENEFITS OF PROGRAM

- *The Course is unique, well structured, growth oriented and fortified with innovative & relevant research.*
- *Allows you to transform into Process Improvement Specialist*
- *Graduating from Institution to Industrial environment*
- *A Course which enhances career's standards and credibility*
- *After successfully completing the Program, the students would be "CERTIFIED LEAN SIX SIGMA GREEN BELT(CLSSGB)" which would portray their analytical/logical abilities as well as multiply their employability prospects.*
- *Another unique aspect of this program is it offers a "INDUSTRY CONNECT MODULE" wherein students shall get a chance to comprehend the learning through application-based Industry scenario.*

COURSE STRUCTURE AND INFORMATION

- Classroom Sessions –18 Modules; Total 36 Hours
- Duration – 3 Weeks
- Exercises and Case study
- MINITAB® – software for statistics
- Continuous Assessment by the Tutor/s
- Participation – Interactive Discussions
- Examination

Contact Details:
||aman.gulati@npcindia.gov.in||yk.yadav@npcindia.gov.in||
Ph: 7982348583; 9958748893

COURSE CURRICULUM

Topic	*Sessions*
Registration of Participants	Session-1
Introduction	
Overview of Lean Six Sigma & Business	
Lean6Sigma a Global & Customer Standard	
Define – Waste and Variation Identification	Session -2
DMIAC & VOC / SIPOC – Process Mapping	
Value Stream Mapping & Cost of Poor Quality Improve – KAIZEN & Mistake Proofing	Session – 3
Business Matrices i.e. DPU , DPMO , RTY , Yield , PPM etc.	
Exercise on Business Case	Student Exercise
Project Charter	Session – 4
Introduction to MINITAB® application	
Review of Previous Sessions	Session – 5
Measure – Basic Statistics & Test of Normality	
Critical to Matrix (CT)	
Cause and Effect Matrix	Session – 6
Six Sigma Software MINITAB® Exercise	
Process Capability	
Analyze – Graphical Tools with MINITAB® exercise	Session – 7
Process PFMEA	Session – 8
Re-Cap with Q & A	

COURSE CURRICULUM

Topic	*Sessions*
Review of Previous Sessions	Session – 9
Measurement System Analysis – MSA	
Power & Sampling Method	Session – 10
Confidence Interval	
Six Sigma Software MINITAB® Exercise	
Multi Vari Analysis overview with exercise	Session – 11
Co relation and Regression	
Presentation by Participants on Business Case using Tools	Session – 12
Re-Cap with Q & A	
Hypothesis Testing of Mean & Variance	Session – 13
Six Sigma Software MINITAB exercise	Session – 14
1-Introduction to Industry 4.0 2-Gartner's Hype Cycle and its implications 3-Rule based decision making 4-Robotic process Automation 5-Connected Systems- IOT	Session – 15
Review of Previous Days	Session – 16
Over view of Design of Experiments – DOE	
Control – Control Charts	Session – 17
Audit mechanism to control (X's) & Monitor (Y)	
Re-Cap with Q & A	
GB Examination	Session – 18

FEE STRUCTURE

- The total fee per Student for this program has been fixed at Rs. 4,000 (All Inclusive)
- Discounted Fee per Student:

✓ Rs. 3,500 (All Inclusive) (For a Batch of 10-20 Nos. Students sponsored by any University)

✓ Rs. 3,000 (All Inclusive) (For a Batch of more than 20 Nos. Students sponsored by any University)

NOMINATIONS MAY BE SENT THROUGH

- Participants willing to register in individual capacity, may register themselves on our website and make necessary payments on the link attached. shorturl.at/gqF35
- Limited seats available for the present Program and hence the nominations will be accepted on first-cum-first-serve basis.
- Participants sponsored by Universities may enroll themselves by sending email to the undersigned and providing participants' name,Academic Year, Branch, Roll No., contact number & e-mail ID. Kindly also provide GSTIN of your University at the time of nomination. Please note that participation fee is to be paid at the time of nomination. For making payment through NEFT, details are as under:

ECS Details (For Fee payment):

Bank Name : Indian Overseas Bank,
Branch : 70, Golf Link, New Delhi--110003
Bank Account No : 026501000009207,
IFCS/RTGS/NEFT Code : IOBA0000265,
PAN No : AAATN0402F
GST No : 07AAATN0402F1Z8

FOR FURTHER INFORMATION OR CLARIFICATION KINDLY CONTACT:

✓ **Sh.Aman Gulati**

Deputy Director (CoE:IT for I4.0)
Ph.91-11-24607370/ Mob No: 7982348583
Email: aman.gulati@npcindia.gov.in

✓ **Sh. Yadu Kr. Yadav**

Assistant Director (CoE:IT for I4.0)
Ph.91-11-24607371/ Mob No: 9958748893
Email: yk.yadav@npcindia.gov.in