



Ministry of Micro, Small and Medium Enterprises,  
Government of India



# CAMPUS TO CORPORATE PROGRAM

## PLAN OF ACTION

2020-2021

To be signed between FACILITATION CENTRE and MSME-TDC



### Table of Contents

Importance of Lean Six Sigma Training.....	2
Why industries adapt lean six sigma?.....	2
Is Lean Six Sigma training important for students?.....	2
Proposed Training Programs, Fees & Discounts.....	3
Batch Size & Certification.....	3
Training Objective.....	4
Course Outline.....	4
Details of the Facilitation Centre.....	5
Photographs of the Training Facility.....	5
Date(s) for Student Training (Odd Sem).....	6
Date(s) for Student Training (Even Sem).....	6
Date(s) for Corporate Training (Odd Sem).....	6
Date(s) for Corporate Training (Even Sem).....	7
Payment Terms.....	7
Declaration.....	8
Signatures.....	8

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### Importance of Lean Six Sigma Training

Why industries adapt lean six sigma?

Organizations large and small in every industry can increase profits, reduce costs and improve collaboration using Lean Six Sigma (LSS). LSS can be applied to any industry as it is not only a set of tools and methodology to do project, but it is also a way of life. LSS aims to improve the quality of the output of a process by identifying and removing the causes of defects and minimizing variability in manufacturing and business processes. It uses quality management methods and statistical methods and creates a special infrastructure of people within the organization viz. Yellow Belts, Green Belts, Black Belts and Master Black Belts.

Is Lean Six Sigma training important for students?

Adapting to the changing demands of industry is important in any profession. LSS certification helps students and even professionals become a specialist in Process improvement and Lean Techniques. Since major recruiters prefer certified students, getting a LSS certification can lead to better job opportunities. There are various reasons that make Lean Six Sigma certifications delightfully useful.

- **Better Skill sets:** Students certified in Lean Six Sigma become conversant in DMAIC methodology and dozens of statistical tools and techniques to streamline business processes, improve employee acceptance, reduce costs, and increase revenue—all of which lead to a better bottom line, no matter the industry.
- **Improved Industry-Academy Interaction:** Students will be able to approach industries confidently and can easily secure Industry-Academy Interaction activities such as IV, In-plant Training and Internship.
- **Possibilities of securing paid internship:** OEMs / Tier-I / Tier-II Industries that uses LSS methodology are willing to offer paid internship to students.
- **Better Employability:** With a Lean Six Sigma certification, Students will be able to impress the employers with their project outcomes and can effortlessly convert internship into a job opportunity.
- **Applied across all Industries:** LSS techniques are widely applied in Manufacturing, Aerospace, Automobile, IT, Telecom and Electronics. Banking / Financial Services / Construction / Engineering / ITES, Internet / Ecommerce, Telecom / Oil and Gas / Energy / Power / Infrastructure,

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Management Consulting Firms, Education / Teaching / Training, Pharma / Biotech / Clinical Research, KPO / Research / Analytics / Heavy Machinery / Healthcare / Hospitals, IT-Hardware & Networking / Restaurants / Airlines / Railways / Petro Chemical / Semiconductors / Electronics, FMCG are the other sectors

### Proposed Training Programs, Fees & Discounts

Name of the Program	Type of Program	No. of Programs / year	Batch size	Target Audience	Fees / Participant (INR)		Discounts / Offers
					Classroom	Online	
Certified Lean Six Sigma Green Belt (CLSSGB) – 4 days	Corporate Program CLSSGB	2	20	Engineers, Managers of SMEs, OEMs, Team Leaders, Business Mentor / Analyst, Faculty	17700	11800	Corporate offer 10% Early bird offers 10% Faculty offer 20%
	Student Program CLSSGB	2	40	Pre-final & final year students from the host institute and nearby Colleges	17700	11800	Student offer 50%
Six Sigma Yellow Belt – 2 days	Student Program CSSYB	2	40	Pre-final & final year students from the host institute and nearby Colleges	4720	2360	Student offer 50%

### Batch Size & Certification

- The batch strength of the training sessions should have a minimum of 40 participants for student training and 20 participants for corporate training to avail the discounts & offer.
- Participants of CLSSGB program will be certified by MSME-TDC (Chennai), Govt. of India upon fulfilling the certification requirements.
- 100% attendance and 60% score in the exam are mandatory for certification.
- Facilitation centre shall send invitation to nearby institutions and industries to attract external participants.

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### Training Objective

- Prepare students to demonstrate the required competency for the title "CERTIFIED LEAN SIX SIGMA GREEN BELT"
- Prepare students to show case their problem solving and decision-making capabilities to potential employers
- Prepare students to ably assist the Project Manager / Project Leads / Green Belts / Black Belts in Industries during their project internship.

### Course Outline

Name of the Training : Certified Lean Six Sigma Green Belt  
Duration of Training : 4 days, 28 hours

Day	Phase	Green Belt Modules
1	Define	Quality Overview
		Introduction to Lean Six Sigma, DMAIC
		VOC, VOB, COPQ
		CTQ Tree, Project Prioritization
		Kano Model for VOC, Project Charter, SIPOC
2	Measure	Data, Types of data, Measurement Scale
		Data Collection Plan, Operational Definition
		Measurement System Analysis
		Control Charts for SPC, Histogram for Process Normality
		Process Capability Analysis – Yield, DPMO, Cp, Cpk
3	Analyse	Root Cause Analysis, Why-Why Analysis
		Pareto Diagram, Stratification
		FMEA, Hypothesis Testing for statistical decision making
		Z test, T-test, Proportion test, Chi-square test, ANOVA, Anderson darling test, F-test, Bartlett, Levene test
		Scatter plot, Correlation & Regression analysis
4	Improve	Waste Identification
		Value & Time analysis
		5 S for workplace organization, Poka Yoke
		Design of Experiments overview
	Control	Control Plan, Control charts interpretation for monitoring

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	Project Handing Over
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### Details of the Facilitation Centre

Name of the Facilitation Centre
New Prince Shri Bhavani College of Engineering and Technology
Address of the Facilitation Centre
Vengaivasal Main Road, Gowrivakkam, Chennai-73
Name of the Faculty Coordinator
VENGATESHA RAJA PERUMAL C
Contact Number of the Faculty Coordinator
8807323623
Alternate Contact Number
9884232271
Email id of the Coordinator
cvrperumal@newprinceshribhavani.com

### Photographs of the Training Facility



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#### Date(s) for Student Training (Odd Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
ODD SEMESTER	Nov'20 till Jan'21	Prefer weekdays (4 days, 28 hours)	Online

#### Date(s) for Student Training (Even Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
EVEN SEMESTER	Feb'21 till Apr'21	Prefer weekdays (4 days, 28 hours)	Online

#### Date(s) for Corporate Training (Odd Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
ODD SEMESTER	January 2021	Prefer weekends (4 days, 28 hours)	Online



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### Date(s) for Corporate Training (Even Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
ODD SEMESTER	May 2021	Prefer weekends (4 days, 28 hours)	Classroom / Online

### Payment Terms

- Facilitation Centre shall collect the course fee from participants and deposit the same to MSME-Technology Development Centre by NEFT or by DD atleast 7 days prior to the commencement of training.

DEMAND DRAFT	In favor of 'Director, CFTI' Payable at Chennai.
NEFT DETAILS	Name: DIRECTOR, CFTI Account No: 10299691069 Account Type: Current Account Bank: SBI Branch: Guindy IFSC Code: SBIN0000956 MICR CODE: 600002072

- 10% of the course fee (before GST) will be paid back to Facilitation Centre towards facilitation charges





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### Declaration

The plan of action is an expression of aligned will between the parties in enabling the graduates of New Prince Shri Bhavani College of Engineering and Technology with problem solving and decision-making capabilities through Lean Six Sigma Training programs and by strengthening the Industry-Academia Interactions.

### Signatures

For and on behalf of Facilitation Centre

Signature:

PRINCIPAL

NEW PRINCE SHRI BHAVANI COLLEGE OF  
ENGINEERING & TECHNOLOGY  
GOWRIYAKKAM, CHENNAI - 600 973

Name: Dr. T. Saravanan

Designation: Principal

Date: 07/11/2020

Office seal:

For and on behalf of MSME-TDC

Signature:

A.KOLANJIVEL B.Tech., M.BA  
Asst. Director (T)  
MSME-Technology Development Centre  
(CFTI-Govt. of India Autonomous bodies)  
65/1, GST Road, Guindy, Chennai - 32.

Name:

A. KOLANJIVEL  
ASST. DIRECTOR (T)

Designation:

Date:

09.12.2020

Office seal:



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