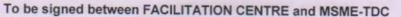


#### **PLAN OF ACTION**

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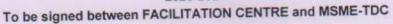
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## Importance of Lean Six Sigma Training

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.

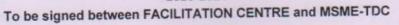
- Better Skill sets: Students certified in Lean Six Sigma become conversant
  in DMAIC methodology and dozens of statistical tools and techniques to
  streamline business processes, improve employee acceptance, reduce
  costs, and increase revenue—all of which lead to a better bottom line, no
  matter 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   | Type of Program                | No. of<br>Programs<br>/ year | Batch | Target Audience   | Fees / Participant (INR) |        | Discounts /<br>Offers                                     |
|---|--------------------------------|------------------------------|-------|---|--------------------------|--------|---|
| Program   |                                |                              | size  | rangot radionos   | Classroom                | Online |   |
| Some Sigma Certified Lean Six Sigma | Corporate<br>Program<br>CLSSGB | 2                            | 20    | Engineers, Managers<br>of SMEs, OEMs,<br>Team Leaders,<br>Business Mentor /<br>Analyst, Faculty | 17700                    | 11800  | Corporateoffer1 0% Early birdoffers 10% Faculty offer 20% |
|   | Student<br>Program<br>CLSSGB   | 2                            | 40    | Pre-final & final year<br>students from the host<br>institute and nearby<br>Colleges            | 17700                    | 11800  | Student offer 50%   |
|   | Student<br>Program<br>CSSYB    | 2                            | 40    | Pre-final & final year students from the host institute and nearby Colleges                     | 4720                     | 2360   | Student offer 50%   |

#### **Batch Size & Certification**

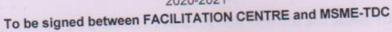
- The batch strength of the training sessions should have a minimum of 40 participants for student training and 20 participants for corporate training to avail the discounts & offer.
- Participants of CLSSGB program will be certified by MSME-TDC (Chennai),
   Govt. of Indiaupon fulfilling the certification 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 decisionmakingcapabilities 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
Duration of Training

: Certified Lean Six Sigma Green Belt

: 4 days, 28 hours

| Day    | Phase             | Green Belt Modules  |
|--------|-------------------|---|
|        | Philippine of the | Quality Overview  |
|        |                   | Introduction to Lean Six Sigma, DMAIC   |
| 1      | Define            | VOC, VOB, COPQ  |
|        |                   | CTQ Tree, Project Prioritization  |
| 9300   | 1274              | Kano Model for VOC, Project Charter, SIPOC  |
| Time I | Tol On Good       | Data, Types of data, Measurement Scale  |
|        |                   | Data Collection Plan, Operational Definition  |
| 2      | Measure           | Measurement System Analysis   |
|        |                   | Control Charts for SPC, Histogram for Process Normality   |
|        |                   | Process Capability Analysis - Yield, DPMO, Cp,Cpk   |
|        |                   | Root Cause Analysis, Why-Why Analysis   |
|        |                   | Pareto Diagram, Stratification  |
| 3      | Analyse           | FMEA, Hypothesis Testing for statistical decision making  |
| 3      |                   | Z test, T-test, Proportion test, Chi-square test, ANOVA,<br>Anderson darling test, F-test, Bartlet, Levene test |
|        |                   | Scatter plot, Correlation & Regression analysis   |
|        |                   | Waste Identification  |
|        | Improve           | Value & Time analysis   |
| 4      |                   | 5 S for workplace organization, Poka Yoke   |
|        |                   | Design of Experiments overview  |
|        | Control           | Control Plan, Control charts interpretation for monitoring  |



#### **PLAN OF ACTION**

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To be signed between FACILITATION CENTRE and MSME-TDC



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Project Handing Over

#### **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

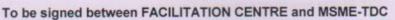






# CAMPUS TO CORPORATE PROGRAM PLAN OF ACTION







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

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

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

| Semester | Proposed<br>Month | Proposed Date(s)   | Preferred mode of<br>Training |
|----------|-------------------|--------------------|-------------------------------|
| EVEN     | Feb'21 till       | Prefer weekdays    | Online                        |
| SEM      | Apr'21            | (4 days, 28 hours) |                               |

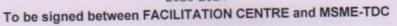
## Date(s) for Corporate Training (Odd Sem)

| Semester | Proposed     | Proposed Date(s)                      | Preferred mode of<br>Training |
|----------|--------------|---------------------------------------|-------------------------------|
| ODD      | January 2021 | Prefer weekends<br>(4 days, 28 hours) | Online                        |



### **PLAN OF ACTION**

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

| Semester | Proposed<br>Month | Proposed Date(s)                   | Preferred mode of<br>Training |
|----------|-------------------|------------------------------------|-------------------------------|
| SEMESTER | May 2021          | Prefer weekends (4 days, 28 hours) | Classroom /<br>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 atleast7 days prior to the commencement of training.

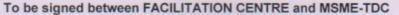
| DEMAND DRAFT | In favor of 'Director, CFTI' Payable at Chennai.  |  |
|--------------|---|--|
| NEFT DETAILS | Name: DIRECTOR, CFTI Account No: 10299691069 Account Type: Current Account Bank: SBI Branch: Guindy IFSC Code: SBIN0000956 MICR CODE: 600002072 |  |

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



#### PLAN OF ACTION

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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:

mous PRINCIPAL

NEW PRINCE SHRI BHAVANI COLLEGE OF **ENGINEERING & TECHNOLOGY** 

GOWDY-T Saravanan - 600 973 Name:

Designation: Principal 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, Chennal - 32.

Name:

Designation:

A. KOLANJIVEL ASST. DIRECTOR (T)

Date:

2.2020:

Date:

Office seal:

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