

Dr. V.S. Thangarasu M.E., M.B.A., Ph.D.,
PRINCIPAL



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road, (NH-45B), Manikandam, Tiruchirappalli - 620012.
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



TO WHOMSOEVER IT MAY CONCERN

This is certify that, the following lists of activities were conducted based on the MoU signed between Indra Ganesan College of Engineering, Tiruchirappalli and UNIQUE MEP& Facilitation center of MSME, Tiruchirappalli

S.No	Name of the Activity	No of Students/Staff Benifited	Date of Activity
1	Value Added Course –Mechanical Electrical Plumbing Method	45	05.12.2022
2	Value Added Course-Heat Ventilation Air conditioning Technologies	48	22.05.2023
3	Campus to corporate Program-Facilitation Center of MSME	43	18.12.2023

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Kind Regards

Dr. V.S. Thangarasu, M.E., M.B.A., Ph.D.,
PRINCIPAL
INDRA GANESAN COLLEGE OF ENGINEERING
MANIKANDAM
TIRUCHIRAPPALI - 620 012

Our Vision is to Transform Aspirants into Employable Engineering Professional and Entrepreneurs

+91 8508688845, +91 9444021802, igcprincipal@gmail.com +91 431 2906565 www.igceng.in

Dated: 08.03.2022

To
The Dy. Director,
Campus to Corporate Program, MSME-Technology Development Centre,
Room No.1, 65/1, GST Road, Guindy, Chennai-600032

Subject: Application for Facilitation Centre – Campus to Corporate Training Program - reg

Dear Sir,

This is to your kind notice that, we are willing to function as Facilitation Centre of MSME-TDC, Chennai in our region. The duly filled PLAN OF ACTION is attached herewith. Our Institution details are furnished below.

Name of the Institution	Indra Ganesan College of Engineering
Communication Address	NH-45B, Madurai Main Road, Manikandam, Trichy-620 012
District / Region	Trichy / Sriangam
Name & Contact details of Head of the Institution	Name: Dr. V.S Thangarasu Designation: Principal Phone Number: 8508688845 Email id: igceprincipal@gmail.com
Name & Contact details of Coordinating Faculty	Name: Mr.R.Ramesh Babu Designation: Assistant Professor Phone Number: 7010978945 Email id: mechhodigce@gmail.com

We are ready to provide the following support:

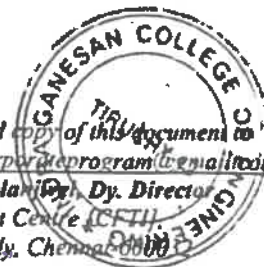
S.No.	Particulars	Please Tick (✓)
1	A/C training hall with A/V facility and min.50 seating capacity	✓
2	Willingness to organize at least 2 batches of student training/year	✓
3	Willingness to organize at least 2 batches of corporate training/year	✓
4	Willingness to participate in Industrial Consulting Projects (optional)	✓

Kindly accept our application and send us the confirmation letter. Thanks and Regards

Yours Truly (Signed with Seal of College)

[Signature]
9/3/22
Dr. V.S. THANGARASU, M.E., M.B.A., Ph.D.
Principal

Note: Kindly Mail the scanned copy of this document to
msme@icfti.gov.in or igce@msme.gov.in
Indra Ganesan College of Engineering, Campus to Corporate Program, Room No.1,
Manikandam, Trichy-620 012 to: Sh.A.Kolar, Dy. Director
MSME-Technology Development Centre (CFTI)
Room No.1, 65/1, GST Road, Guindy, Chennai-600032



[Signature]

A. KOLANJIVEL B.Tech., MBA
Deputy Director
MSME-Technology Development Centre
(CFTI-Govt. of India Autonomous body)
65/1, GST Road, Guindy, Chennai - 32

Dr. G. Balakrishnan, M.E., Ph.D.
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Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
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Ministry of Micro, Small and Medium Enterprises,
Government of India



CAMPUS TO CORPORATE PROGRAM PLAN OF ACTION

2022-2023

To be signed between FACILITATION CENTRE and MSME-TDC



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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, Management Consulting Firms, Education / Teaching / Training, Pharma /

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Dr. G. Balakrishnan, M.E.
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Indra Ganesan College of Engineering
IG Valley, Madurai Main-Road
Kizhikandam, Trichy-620 012.



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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, Bartlet, 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 Project Handing Over

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Details of the Facilitation Centre

Name of the Facilitation Centre
Indra Ganesan College of Engineering
Address of the Facilitation Centre
NH-45B, Maduarai Main Road, Manikandam, Trichy-620 012
Name of the Faculty Coordinator
Mr. R.Ramesh Babu Assistant Professor/ Mechanical
Contact Number of the Faculty Coordinator
7010978945
Alternate Contact Number
9842846764
Email id of the Coordinator
mechhodlgce@gmail.com

Photographs of the Training Facility



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Valley, Maduarai Main Road
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Date(s) for Student Training (Odd Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
ODD SEMESTER	Sept'21 till Jan'22	Prefer weekdays (4 days, 28 hours)	Classroom / Online

Date(s) for Student Training (Even Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
EVEN SEMESTER	Feb'22 till Apr'22	Prefer weekdays (4 days, 28 hours)	Classroom / Online

Date(s) for Corporate Training (Odd Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
ODD SEMESTER	January 2022	Prefer weekends (4 days, 28 hours)	Classroom / Online

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Date(s) for Corporate Training (Even Sem)

Semester	Proposed Month	Proposed Date(s)	Preferred mode of Training
EVEN SEMESTER	May 2022	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 at least 7 days prior to the commencement of training.

DEMAND DRAFT	In favor of 'Director, MSME TDC, Chennai' Payable at Chennai.
NEFT DETAILS	Name: Director, MSME TDC, Chennai Account No: 39868874350 Account Type: Current Account Bank: SBI Branch: Guindy IFSC Code: SBIN0000956

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Principal

IG Valley, Madurai
Manikandam, Trichy-620-012

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Declaration

The plan of action is an expression of aligned will between the parties in enabling the graduates of **INDRA GANESAN COLLEGE OF ENGINEERING** 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:

9/3/22

Name:

Dr. V.S. THANGARASU, M.E., M.B.A., Ph.D.
Principal

Designation:

Indra Ganesan College of Engineering
Manikandam, Trichirappalli - 620 012.

Date:



Office seal:

For and on behalf of MSME-TDC

Signature:

Name:

A. KOLANJIVEL B.Tech., MBA
Deputy Director

Designation:

MSME-Technology Development Centre
(CFTI-Govt. of India Autonomous bodies):
65/1, GST Road, Guindy, Chennai - 32.

Date:

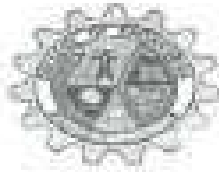
Office seal:



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Principal

Indra Ganesan College of Engineering
Madurai Main Road
Manikandam, Trichy-620 012.

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Report on Value Added Course

Title: Facilitation center of MSME

Resource Person: 1.Mr.Faizal Ahamed & 2.Mr.Sundaramoorthi,
Officer,
Campus to corporate program
Trichy,

Date of conduct from : 13.12.2021 To: 18.12.2021 Duration: 30 Hours

Organized Department : MECHANICAL ENGINEERING

Participant Year: 3, 4 No. of Students Registered : 43

Venue: GOOGLE MEET
online mode Google Meet: meet.google.com/hiz-vzeg-sre

Outcome of Value Added Course (VAC): At the end of the Course, Students can able to

- Knowledge about Forge welding process
- Learning platform about cold welding process
- Know the practical skill development knowledge about diffusion welding process.
- friction welding and explosion welding process
- Industrial application oriented hot pressure welding process.

Assessment Process

- Students, who are securing more than 70% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted.
- Total Score = (0.5 * Attendance in VAC out of 100 percentage + 0.5 * Test mark in VAC out of 100 marks)

VAC Coordinator

HEAD/MECH

Principal

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G Valley, Madurai Main Road
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