

Enquiries

Dr. Sini V. Pillai

Programme Coordinator, MDP on "Operational Excellence through lean Six Sigma in Manufacturing & Services"

CET School of Management

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Dr. Vijaya S Uthaman

Programme Coordinator

CET School of Management

College of Engineering, Thiruvananthapuram- 695016

Mobile: 8129006810

Important Dates & Venue

The filled up application along with programme fee should reach the following address at the latest by **March 3, 2021**. MDP will be conducted at CET School of Management, College of Engineering Trivandrum. Sessions will be conducted as per COVID Protocol and Government directions issued from time to time.

Registration and Course Fee

The enclosed nomination form should be completed and returned with all the details. The fee of the program is **Rs. 3900/-** (Rupees Three thousand nine hundred only) per participant which includes professional fee, GST and all charges for supply of course materials, lunch & tea. The fee is to be paid in advance using NEFT/RTGS to the following account:

Account Number: 57005991583

Beneficiary Name: Centre for Continuing Education

IFSC Code: SBIN0070268

Address of Bank: State Bank of India Engineering College Branch, Kulathoor Trivandrum

The transaction details to be send along with the Nomination form to Dr. Sini V. Pillai, MDP Program Coordinator, CET School of Management, College of Engineering Trivandrum on or before 3rd March 2021 by email sini.mba@cet.ac.in.



CET SCHOOL OF MANAGEMENT
COLLEGE OF ENGINEERING TRIVANDRUM
THIRUVANANTHAPURAM KERALA
(ACCREDITED BY NATIONAL BOARD OF ACCREDITATION)

Management Development Program

on

**OPERATIONAL EXCELLENCE
through lean Six Sigma in
Manufacturing & Services**

17th March 2021



Coordinators
Dr. Sini V. Pillai
Dr. Vijaya S Uthaman

BACKGROUND

Quality leads to Productivity. Six Sigma aims at improved quality and lean is about achieving greater speed. Improved quality at greater speed is envisaged by applying Lean Six Sigma. Operation excellence through Lean Six Sigma helps the company to achieve competitive advantage. Implementing Lean Six Sigma maximizes shareholders value by achieving improvement in cost, quality, service and speed. With operational excellence, companies develop efficient systems in which employees focus on fixing problems before they arise. A key component of operational excellence is leanness, which means avoiding waste by keeping the system functioning as efficiently as possible. Employees are at greater stress to achieve more with minimal resources. Six Sigma practices are known worldwide, and a good practice of six sigma aims at variability reduction in manufacturing and services. Thus in this transformational era where innovations are in fast pace, it is the need of the hour to aim at operational excellence through the application of Six Sigma.

OBJECTIVES

- Sensitize the participants towards understanding of how to gain competitive advantage through lean practices in manufacturing and services.
- Provide information on the integrated approach of lean and six sigma practices for operational excellence in their organizations.
- Familiarize participants with lean tools and lean six sigma methodologies
- Demonstrate Lean Six Sigma implementation using real life examples.
- Help participants to master and implement lean six sigma journey in their organization.

CONTENTS

- Lean and Six Sigma Philosophies
- Lean Manufacturing Tools & Techniques
- Integrating Lean and Six Sigma Philosophies
- Applied Lean Six Sigma for Operational Excellence
- Implementation of Lean Six Sigma in Organizations

PEDAGOGY

The program would be enhanced with the a blend of lectures, industry examples, case studies, group activities and discussions.

FOR WHOM

- Executives from business, industry and government sectors.
- Manufacturing and Service Managers who designs new system and improve the existing operational systems.
- Academicians, IT professionals, System Designers and Quality Analysts

TAKE AWAYS

After attending the program, the participants will be able to:

- Understand Lean and Six Sigma Philosophies
- Implement concepts of Lean and Six Sigma
- Implementation of integrated “Lean Six Sigma” approach in their organization both in Manufacturing and Service firms for achieving operational excellence.

FACULTY



Dr. Anand Gurumurthy

Associate Professor in the area of Quantitative Methods and Operations Management at the Indian Institute of Management, Kozhikode (IIMK), Kerala, India. Before this appointment, he was with the Mechanical Engineering Department of Birla Institute of Technology and Science (BITS), Pilani, Rajasthan. He has around 17 years of teaching/research experience. His research interest includes operational excellence through lean thinking, six sigma, total quality management; humanitarian supply chain management, application of multi-criteria decision-making models and benchmarking. He has published about 60 papers in peer-reviewed national and international journals.



Dr. P. R. Shalij

Dean (Research) of APJ Abdul Kalam Technological University, Kerala State. He joined as a faculty of Engineering at Government Engineering College, Thrissur in 2000. Dr. Shalij P R has 10 Years experience in the Industrial field as the Consulting Engineer of Kerala State Productivity Council and 20 Years of Teaching experience. He is the author of the book Lean and Agile Manufacturing- Theoretical, Practical and Research Futurities, PHI Publishing.



Dr. Sini V. Pillai

Assistant Professor, CET School of Management, College of Engineering Trivandrum. Her areas of expertise include Operations Management and Information Systems and SixSigma. She has over 14 years of Academic, Research and Industrial experience. She has published several articles in peer-reviewed national and international journals, contributed two book chapters and presented research papers in national and international conferences. Her research work was in the area of Six Sigma for services. She is also a trainer in developing employability skills of the student community.

PROGRAM SCHEDULE

9am	Registration and Inauguration
9.30-10.30am	Introduction to Lean Thinking and Toyota Production
10.30-10.45 am	Tea Break
10.45-11.45am	Value Stream Mapping
11.45-12.30pm	Design for SMED
12.30-1.30pm	Lean Six Sigma Integrated Approach
1.30-2.15pm	Lunch Break
2.15-3.15pm	Case Discussion on Six Sigma for Manufacturing and Services
3.15-3.30pm	Tea Break
3.30-4.30pm	Round Table- Lean Six Sigma implementation
4.30-5pm	Valedictory

ABOUT COLLEGE OF ENGINEERING TRIVANDRUM



College of Engineering Trivandrum, popularly known as CET, is one of the most sought after engineering colleges for engineering courses. Commanding a vast expanse of lush greenery the CET campus is at Kulathoor, within the city limits of Thiruvananthapuram. Over the years, the intake of students increased and as of now with eight full-fledged departments offering eight undergraduate, 27 postgraduate and many doctoral programmes under the APJ Abdul Kalam Technological University, the College has around 4500 students, around 300 teaching staff and 300 non-teaching staff. B.Tech, B.Arch, M.Tech, M.Plan, MCA and MBA are offered by the college.

Ever since the inception, the College has maintained its eminence as a leading Engineering College in India. The programmes are accredited by National Board of Accreditation (NBA) and the Departments are approved research centres. According to NIRF ranking College of Engineering Trivandrum is placed in the 85th position.. The College ranks among the top in the country in the quality of its graduates and the number of top jobs held by its graduates. With such an eminence in the academic and curricular activities, the College is the most sought after destination for higher studies. The college takes up consultancy projects through Industrial Training Consultancy & Sponsored Research (ITC & SR).

ABOUT CET SCHOOL OF MANAGEMENT



CET started its MBA programme in 1985 as a part-time programme and ever since, the programme has been well received by the practicing management fraternity. As an initiative of Government of Kerala for providing quality management education, CET established the Department of Business Administration exclusively for management education in the year 2000 and commenced the full time MBA programme. The Department is an approved research centre of APJ Abdul Kalam Technological University in the management discipline. The CET-MBA has already acclaimed recognition by the recruiters and the students of every batch are successfully placed in various organizations. CET is the pioneering institution in management education under APJ Abdul Kalam Technological University. Already, twenty batches of students have completed the full-time programme in this Department. The MBA programme of CETSoM is accredited by NBA. CET School of Management is functioning in its new premises of CET with state-of-the-art facilities.

Please return the complete form duly filled to:
Dr. SINI V. PILLAI, MDP Coordinator
CET SCHOOL OF MANAGEMENT
College of Engineering Trivandrum Thiruvananthapuram 695016
Mobile: 9846569727, Fax: (0471) 2592727, Email: sini.mba@cet.ac.in

Programme on “ Operational excellence through Lean
six sigma in manufacturing and services ”

17th March 2021

N O M I N A T I O N F O R M

Name:.....
Male Female Age Work experience (years) Designation:.....
Organization:.....
Address for Communication:.....
.....
Phone: (O)..... (M).....
e-mail:.....
Veg Non veg

Description of present responsibility.....
.....

Date..... Signature.....

C O U R S E F E E P A R T I C U L A R S

Mode of Payment NEFT / RTGS Date..... Amount.....
Transaction/ Reference Number and details of payment.....
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T O B E F I L L E D I F S P O N S O R E D B Y Y O U R O R G A N I S A T I O N

Name of the Sponsor.....
Designation.....
Name of the Organization.....
Address of the Organization.....
Phone.....E-mail.....
Date..... SEAL Signature.....