



**PRIYADARSHINI ENGINEERING COLLEGE  
VANIYAMBADI -635751**

**(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)**

**Listed in 2(f) & 12(B) Section of UGC  
DEPARTMENT OF MECHANICAL ENGINEERING**

**INDIAN WELDING SOCIETY**

**ONE DAY WORKSHOP**

**ON**

**AWARENESS ON LEAN SIX SIGMA**

**Date: 30.10.2018**

**Workshop Report**

Lean Six Sigma is a method that relies to improve performance by systematically removing waste and reducing variation. Lean Six Sigma is a synergized managerial concept, aims to achieve continuous flow by tightening the linkages between process steps. In short, Lean exposes sources of process variation and thus enabling a virtuous cycle of iterative improvements towards the goal of continuous flow. It combines lean manufacturing/lean enterprise and Six Sigma to eliminate production waste the eight kinds of waste are listed below.

- Defects
- Over-Production
- Waiting
- Non-Utilized Talent
- Transportation
- Inventory
- Motion
- Extra-Processing

Lean six sigma not only reduces process defects and waste, but also provides a framework for overall organizational culture change. This helps our students where to apply lean methods and how to eliminate the waste and make the organization gets benefited. The workshop Sympathetic the Mother Nature of quality, process capability, lean tools and opportunities to the students. This workshop gives the history of lean six sigma and where it originates and how the lean has been implemented to the organization. From six sigma the students gain knowledge on reduced variations on parts, improves quality, speedup, competitive and creating a well-balanced and



organized solution to save money. The some of the tools that are used in lean are kaizan, 5s, kanban, TPM etc. students gaining knowledge on 5s, is an another important tool used in the organization Ensuring that the organization has the discipline to sustain the habitat of sorting, organizing, and cleaning. The design in lean six sigma used in many industries, like finance, marketing, basic engineering, process industries, waste management, and electronics. It is based on the use of statistical tools like linear regression and enables empirical research. Lean and Six Sigma provide creative ways of solving real life issues by identifying the issues and providing different ways to solve them. It gives newer and better perspective of looking at problems and improved and different ways to solve them. The Benefits of Six Sigma include better understanding of changing customer requirements, improvement of quality and delivery, reduction of waste, reduction of cost, development of robust products and processes, continuous improvement, and enhancement of competitive position. Our students gets practical knowledge and the examples from the instructor which really helpful to improve or enhance my management skills and in-depth and conceptual knowledge.



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Website: [www.priyadarshini.net.in](http://www.priyadarshini.net.in)

E-mail: [principal@priyadarshini.net.in](mailto:principal@priyadarshini.net.in)

*One Day Workshop*  
on  
**AWARENESS ON LEAN SIX SIGMA**  
Organized by  
**INDIAN WELDING SOCIETY**



In Association with  
**MECHANICAL ENGINEERING ASSOCIATION**



**VENUE: Dr.APJ ABDUL KALAM SEMINAR HALL**

on

**09<sup>th</sup> OCTOBER 2018 @ 10.00 AM**

**RESOURCE PERSON**

**Mr.S.SEKAR ., M.E**

CEO RVJ Techno Services, Chennai

**Dr.G.SIVAKUMAR., M.E., Ph.D**

CEO Intelligence Quality, Chennai

**Workshop Session**

Session	Topic	Sub-Topic
1	INTRODUCTION	UNDERSTANDING BETTER NATURE QUALITY <ul style="list-style-type: none"><li>• Definitions, VOC, VOB &amp; COPQ</li></ul>
		SIX SIGMA <ul style="list-style-type: none"><li>• Definitions, Metric, Methodology, Management system, Philosophy</li></ul>
		LEAN <ul style="list-style-type: none"><li>• Definition, Value adding &amp; non-value adding</li></ul>
2	SIX SIGMA BASICS	PROCESS CAPABILITY <ul style="list-style-type: none"><li>• Std. deviation &amp; Normal distribution, Relationship between variation, sigma value &amp; level, Genis Experimental</li></ul>
3	LEAN BASICS	LEAN TOOLS <ul style="list-style-type: none"><li>• Kaizen, Poke Yoke, One piece flow, Seven MUDAs, Lean tools application</li></ul>
		JOB / PROJECT OPPORTUNITIES IN LSS <ul style="list-style-type: none"><li>• Companies that use LSS tools, LSS Certification Levels, Project Charter &amp; H.Feach. Project, Strategies for optimizing your work day</li></ul>
4	DIY'S SIX SIGMA APPLY TO ME?	

**CHIEF PATRON**

Hon'ble Justice Rtd Mr. V. RENGASAMY,  
Administrator

**PATRON**

Dr. P. NATARAJAN, M.E., Ph.D., FIE.,  
Principal.

**CONVENER**

Dr.M.RAJAGOPAL, M.E., Ph.D., FIE.,  
Head of the Department

**CO-ORDINATOR**

Mr. M.NITHIYANANDAM., AP / Mech

Mr. C.VINOTHKUMAR., AP / Mech

## EVENT PHOTOS

