



Rashtreeya Sikshana Samithi Trust  
**R V COLLEGE OF ENGINEERING**  
(Autonomous Institution Affiliated to VTU, Belagavi)  
Department of Industrial Engineering and Management



Announces

Proficiency Course on

# Lean Six Sigma

25<sup>th</sup> - 30<sup>th</sup> July 2016

**R. V. College of Engineering** is one of the premier technical institutes of the country. Established in 1963, RVCE has celebrated its Golden Jubilee. The college currently has about 5600 students and over 400 faculty and 250 supporting staff. RVCE currently offers 12 Bachelors and 22 Masters Programs (annual intake of about 1750 students), and carries out research and consultancy activities in all departments, with provision for Ph.D studies. RVCE has set a vision: **“Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, with a focus on Sustainable and Inclusive Technology”**. RVCE is an Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi. RVCE has been awarded “Engineering College of the Year-2015” by the Higher Education Review Magazine for Enhancing Employability, during 2015. RVCE has been certified as Global League Institute by Great Place to Study Research Institute (GPSRI) on the 19th November 2015 at prestigious venue - House of Commons, UK by Rt. Hon. Virendra Sharma, MP. RVCE's ranking according to the survey of 'The Week' magazine - June 2015: 9th among top 99 private engineering colleges in the country. The institution is looking at promising entrepreneurship in a big way.



The **Department of Industrial Engineering and Management** was established in the year 1985. The department offers a four-year under graduate degree programme in BE (IEM) and Post Graduate program in **Master of Engineering Management**. Department of IEM has qualified and experienced teaching faculty and highly skilled and self motivated technical staff. The state of the art Physical infrastructure has been established in order to promote a congenial academic environment to impart quality education. The department houses research center recognized by Visvesvaraya Technological University (VTU) and offers Ph. D & M. Sc. Engineering programs. The department actively engages in research pursuits in the contemporary areas of Industrial Engineering and Management. Several seminars, conferences and courses are conducted by the department in association with reputed industries and institutions. Several R&D projects in the niche areas have been successfully executed by the department with the support from various funding agencies such as DST, AICTE, DRDO, NRB and VGST. The department successfully executed more than 15 consultancy assignments.

Lean Six Sigma is a methodology that relies on a collaborative team effort to improve performance by systematically removing waste, combining lean manufacturing and Six Sigma to eliminate the eight kinds of waste (muda): Transportation, Inventory, Motion, Waiting, Over production, Over processing, Defects, and Skills (abbreviated as 'TIMWOODS'). Lean Six Sigma utilizes the DMAIC phases similar to that of Six Sigma. Lean Six Sigma projects comprise aspects of Lean's waste elimination and the Six Sigma focus on reducing defects, based on critical to quality (CTQ) characteristics. The DMAIC toolkit of Lean Six Sigma comprises all the Lean and Six Sigma tools.



The Lean Six Sigma methodology is a systematic application that can be applied in service-based, transactional, production-based, and healthcare environments and is focused on achieving significant business results and increased customer satisfaction.

The overarching learning objective of this course is to develop a comprehensive set of skills that will allow the trainee function effectively. After completing this course, students should:

- ✓ Have the skills required to use Lean tools and data to decrease expenses, reduce cycle times, increase volume, and improve efficiency in Service, Operations, Supply Chain, and Manufacturing sectors.
- ✓ Understand that Lean Flow and Six Sigma are very complementary methodologies and have a basic knowledge required to determine when and how to utilize the two systems together to achieve faster results.
- ✓ Apply statistical and problem solving tools to an improvement project brought to class on the first day.
- ✓ Reduce process variation, and eliminate waste and defects by applying lean and Six Sigma.
- ✓ Collect, analyze, and quantify data that enable process improvements.
- ✓ Characterize and optimize processes by computing and applying statistical techniques.

This Lean Six Sigma course is comprised of separate sessions. Each session is a collection of related lessons and includes an interactive quiz at the end of the session. The participant will become proficient in all of the analytical tools necessary to define, measure, analyze, improve, and control Lean Six Sigma improvement projects. All course sessions use a mix of multimedia to present material, including text, synchronized audio slide shows, diagrams, charts, audio lectures, and simulations. Course Sequence; The course is presented in a logical sequence to follow the Six Sigma DMAIC improvement process. Hands on sessions are planned in quality engineering and lean manufacturing laboratories and also session on using tools like MINITAB & simulation. Extensive case discussions on lean six sigma are part of this course

**Who Can Register?** Working professionals from industries; Research scholars and faculty from academia; Students of Engineering & Management disciplines

**Resource persons** from RVCE, Indian Statistical Institute, reputed industries like IBM, Tech Mahindra, etc. and other Industry experts will be giving talks on lean six sigma.

**Registration Fee:** Rs. 3000/- (including 14.5% service tax); Demand Draft drawn in favour of "Principal, RVCE" payable at Bengaluru may be sent along with the registration form. **Last date for Registration: 20<sup>th</sup> July 2016.**

**Note:**

- Registration Fee does not include accommodation charges.
- Accommodation will be provided on request with a nominal fee at RVCE Hostel.
- Please send the scanned copy of filled registration form to "nagendragupta@rvce.edu.in"

**Venue:** Seminar Hall, IEM Department, RVCE

**Address for Correspondence:** Dr. C K Nagendra Guptha; Associate Professor, Department of IEM, R V College of Engineering, Bengaluru -560059. Mob: 9449612962; Email: nagendragupta@rvce.edu.in

# PROFICIENCY COURSE ON “Lean Six Sigma”

25<sup>th</sup> – 30<sup>th</sup> July 2016

## Registration Form

Name \_\_\_\_\_

Designation \_\_\_\_\_

Department \_\_\_\_\_

Qualification: \_\_\_\_\_

Gender

M

F

Category

GM

SC

ST

OTHERS

Address for Communication:

\_\_\_\_\_

\_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

### Registration Fee details

DD No./Date \_\_\_\_\_

Amount \_\_\_\_\_

Name of the

Bank/Branch \_\_\_\_\_

Place:

Date:

Applicant's Signature

Signature of Head  
of the Institution