

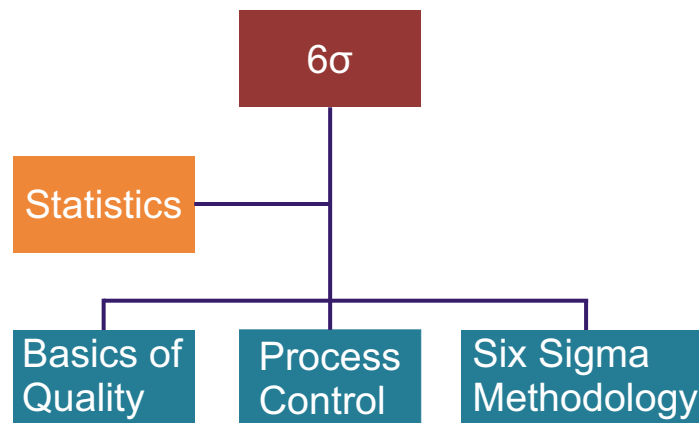


RAMAIAH
Institute of Technology

Online Certification Course

On

SIX SIGMA



Course Highlights:

- Industry-ready certification course
- Project based learning
- Starts from basics of Statistics and then relates to Six Sigma
- Hands-on training to implement Six Sigma using data from industry
- Practice sessions with real time data and renowned books
- Complete case analysis
- Weekend online classes
- Evaluation and certification is based on project submission after every module

Coordinators

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Professor, IEM
COE, MSRIT

Dr. M Shilpa

Associate Professor
IEM, MSRIT

Department of Industrial Engineering and Management
M S Ramaiah Institute of Technology

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About Ramaiah Institute of Technology

M.S. RAMAIAH INSTITUTE OF TECHNOLOGY (MSRIT) is a self-financing institution established in Bangalore in the year 1962 by the industrialist and philanthropist, Late Dr. M S Ramaiah. Currently, 13 UG and 15 PG programmes are offered to students, which are affiliated to Visvesvaraya Technological University(VTU). MSRIT obtained Academic Autonomy (approved by VTU and UGC) for all its UG and PG Programmes from the year 2007. M.S. Ramaiah Institute of Technology is continuously ranked among the top 100 Engineering Colleges across India by the National Institutional Ranking Framework, MHRD, Government of India. All the eligible Programmes have been accredited by National Board of Accreditation(NBA) and National Assessment and Accreditation Council (NAAC). All the departments at the Institute are recognized as research centres from VTU to pursue MSc (Engg. by Research) and Ph.D.

About Industrial Engineering & Management Department

The department was established in the year 1979 and it has been recognized as R& D centre of VTU. It has highly qualified, motivated and result oriented faculty members who are involved in teaching, research and publications. The department was accredited by the NBA in 2001, 2004,2010, 2015 & 2018. M.Tech. programme in Industrial Engineering commenced in the year 2012.

Course Modules

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| Module 1: | Fundamentals of Statistics – Measures of Central Tendency and Dispersion, Probability Distributions, Hypothesis testing, Regression analysis |
| Module 2: | Basics of Quality – Costs of Quality, 7QC tools, Root Cause Analysis, MSA, GRR. |
| Module 3: | Process Control Techniques – Variable and Attribute Control Charts, Process Capability Studies, Sampling Plans. |
| Module 4: | Six Sigma Methodology – Approaches, Process Mapping, Affinity Diagram, CTQ Tree, QFD, FMEA, DMAIC, DFSS. |

Objectives of the Certification Course

- To demonstrate the applications of Statistics in Six Sigma Methodology
- To identify and analyze the Quality Tools as required for Six Sigma implementation in the industry
- To understand the importance of Measurement System Analysis in Six Sigma
- To identify and apply the appropriate process control technique for industrial problem
- To bring about process improvement using Six Sigma Methodology

Expected Outcomes

- Imparting hands-on experience to the participants on Six Sigma with real life data
- Industry – readiness for Six Sigma implementation
- Project oriented learning

Registration

The certification course on Six Sigma is organized for 30 hours and is open to participants from institutions and industries. This certification course will be conducted online using Google Meet platform. E-certificates will be issued after the completion of the course and evaluation.

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| Faculty from academia | : | Rs. 5,000/- per person |
| Participants from industry | : | Rs. 10,000/- per person |

For further details, contact:

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