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AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**INDIAN INSTITUTION OF PRODUCTION ENGINEER (IIPrE) & INSTITUTION'S**  
**INNOVATION COUNCIL (IIC)**

**Report – Webinar on “Applications of Six Sigma in Industries - An Overview”**

**17<sup>th</sup> June 2021**

**Resource person: Mr. Ramani Balakrishnan,**  
**Chief Operating Officer,**  
**Virusa Manufacturing Solutions Pvt Ltd.**

**Participants: 85**

Department of Mechanical Engineering in association Indian Institution of production Engineer (IIPrE) & Institutions Innovation Cell (IIC) organised a Webinar on the topic **“Applications of Six Sigma in Industries - An Overview” on 17<sup>th</sup> June 2021.**

**The topics covered in Webinar**

- Introduction to six sigma
- Six sigma concept.
- Basics of statistics.
- Six sigma Tools.
- Lean six sigma
- Methodologies of six sigma.
- Future of Lean Six sigma in industries.

**Webinar Outcome**

- Students understood the importance and different tools in six sigma.
- To know about Difference between Six Sigma Yellow Belt, Green Belt, and Black Belt
- Application of six sigma in industries.
- How to Improve productivity
- How to meet customer expectations

The Webinar was coordinated by Mr.G Antony Casmir, Assistant professor Grade-II. Prof Prabhu VP (Administration) and HOD Mechanical department given the presidential address. The chief guest introduction was given by Mr.N LakshmiNarayanan, Assoc. Professor Department of mechanical Engineering. Webinar is concluded by vote of thanks given by Mr.G Antony Casmir.

Microsoft Teams Meeting Interface

Meeting chat

Meeting Recording has started

UJSHIRA KUMAR I (BA... 12:22 PM who is make 5 sigma tools in company customer or mfg coporator

why called 6 sigma

<https://forms.gle/BGqyC3C1frtwdtR26>

34420551916 (Guest) 3

01:39:45

Your microphone is muted.

3441955926 (Guest)

37°C Partly sunny

12:24 17-09-2021

ANTONY CASMIR G started recording

Guests are waiting to join. View lobby

### Six Sigma (6σ) Methodologies

**DMACI:** This method is used to improve the current capabilities of an existing process. This is by far the most commonly used methodology of sigma improvement teams.

**DMADV:** This method is used when you need to create or completely redesign a process, product, or service to meet customer requirements. DMADV teams are usually staffed by managers and Six Sigma experts.

R. B (Guest)

Nidhin 3

ANTONY G

R. B (Guest)

Meeting 00:04 75 attendees

ANTONY CASMIR G started recording

### Six Sigma Toolbox

- Analysis of Variance (ANOVA)
- Box Plots
- Brainstorming
- Cause-effect Diagrams
- Correlation & Regression
- Design Of Experiments
- Graphs and Charts
- Histograms
- Hypothesis Testing
- Pareto Analysis
- Process Capability Studies
- Process Control Plans
- Process Flow Diagrams
- Quality Function Deployment
- Response Surface Methods
- Scatter Diagrams
- Standard Operating Procedures (SOPs)
- Statistical Process Control

## SIX SIGMA AND ITS APPLICATION IN INDUSTRIES

R. B (Guest)

ikshminarayan...

PRAVEEN R

ANTONY G



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DEPARTMENT OF MECHANICAL ENGINEERING IN ASSOCIATION WITH  
INDIAN INSTITUTION OF PRODUCTION ENGINEERS (IIPrE)  
JOINTLY ORGANIZE



## WEBINAR ON APPLICATIONS OF SIX SIGMA IN INDUSTRIES - AN OVERVIEW

DATE : 17.06.2021, Thursday  
TIME : 11.00 am

Name of the Resource person:

**Mr. Ramani Balakrishnan,**  
Quality Management Consultant, Chennai



ADMISSIONS OPEN FOR 2021 - 2022



**Dr. G. Selvakumar,** Principal., AVIT  
**Prof. L. Prabhu,** Vice Principal (Admin.) - AVIT &  
HOD / Mech, President - IIC / AVIT

Event Coordinator:

**Mr. G. Antony Casmir,** Assistant Professor - Grade II - Mech

Microsoft Teams link - <http://tiny.cc/sixsigma> Webinar

Registration link : <https://forms.gle/X1phCmxMwgJChk1v9>

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