



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi. Recognized by Government of Karnataka.

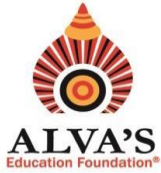
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Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail

DEPARTMENT OF MECHANICAL ENGINEERING

CONTINUOUS PROCESS IMPROVEMENT USING LEAN SIX SIGMA



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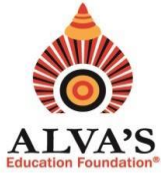
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TECHNICAL TALK REPORT

Objectives of the Technical talk:

Technical talks in engineering colleges serve several important objectives, both for students and faculty. These talks are designed to provide a platform for students to gain knowledge, exposure, and insights into various technical subjects and emerging trends in engineering. Here are the main objectives of technical talks in engineering colleges:

1. Technical talks are a means to disseminate knowledge on a wide range of topics, including new technologies, engineering innovations, and research findings.
2. These talk / interactions help students and faculty stay updated with the latest developments in their respective fields.
3. Technical talks enhance the educational experience by providing students with the opportunity to learn from experts in the field. These talks can cover topics beyond the curriculum and practical understanding of engineering concepts.
4. Inviting accomplished professionals and researchers as speakers can inspire students to set higher goals



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Talk on

CONTINUOUS PROCESS IMPROVEMENT USING LEAN SIX SIGMA

Mode: ONLINE

Date: 15/06/23.

Resource Person: Mr. Rajgopal R G

International Trainer & strategic consultant

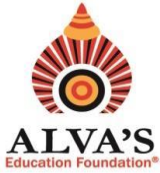
Outcome:

1. Students understood about six sigma techniques more in detail
2. More practical cases were explained hence more students understood Six sigma concepts evidently

Department of Mechanical Engineering has organized a technical talk on Continuous Process Improvement Using Lean Six Sigma on 15/06/23. The resource person was Mr. Rajgopal R G International Trainer & strategic consultant



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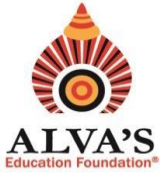


Guest spoke about the today's competitive business landscape, organizations strive for operational excellence and efficiency to deliver high-quality products and services while minimizing waste and errors. Lean Six Sigma is a powerful methodology that combines the principles of Lean manufacturing and Six Sigma to achieve precisely these goals. It provides a structured approach to continuous process improvement, ensuring that processes are streamlined, optimized, and aligned with customer needs.

Guest briefly discussed the concept of continuous process improvement using Lean Six Sigma. He mentioned about Understanding Lean Six Sigma: Lean focuses on eliminating waste, while Six Sigma focuses on reducing defects and variations in processes. When combined, they create a holistic framework that addresses both efficiency and quality. DMAIC Methodology: The cornerstone of Lean Six Sigma is the DMAIC methodology:

He also mentioned about the Benefits of Lean Six Sigma:

- **Improved Quality:** By reducing defects and variations, Lean Six Sigma enhances product and service quality.
- **Enhanced Efficiency:** Eliminating waste and optimizing processes leads to shorter cycle times and improved resource utilization.



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- Customer Satisfaction: Aligning processes with customer needs results in products and services that better meet customer expectations.
- Cost Reduction: Reducing waste, errors, and rework translates into cost savings.
- Data-Driven Decision Making: Lean Six Sigma relies on data analysis, ensuring that decisions are based on facts rather than assumptions.

Implementation Challenges for six sigma methods Resistance to Change Employees might resist process changes due to familiarity with the existing system. Lack of Leadership Support Successful implementation requires commitment from top management. Complexity Lean Six Sigma involves various tools and methodologies that might require training and expertise. Real-World Applications: Lean Six Sigma has been successfully applied in industries ranging from manufacturing and healthcare to finance and services. For example, Motorola and General Electric are known for their successful implementation of Six Sigma. Implementing Lean Six Sigma is not a one-time effort but an ongoing commitment to a culture of continuous improvement. This involves regular reviews, updates to processes, and employee involvement.

In conclusion, continuous process improvement using Lean Six Sigma is a systematic and data-driven approach to optimizing processes, reducing waste, and enhancing quality. By following the DMAIC methodology and embracing key Lean and Six Sigma concepts, organizations can achieve higher efficiency, improved customer satisfaction, and sustainable growth. It's a strategic investment that empowers organizations to adapt, evolve, and thrive in an ever-changing business landscape.

ANNEXURE



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Date -5/06/23

To

IQAC Chairman

AIET, Mijar

Respected Sir

Sub: Requesting for permission conduct a Technical talk

We are happy to inform you that Department of Mechanical Engineering, is planning to organize a technical talk on 15/06/2023.

The details are mentioned below, kindly request you do the needful.

Resource Person Details

Name: **Mr. Rajgopal R G**


Designation: **International Trainer & strategic consultant**

Title : **CONTINUOUS PROCESS IMPROVEMENT USING LEAN SIX SIGMA**

Venue: **CAMD lab**

Date/month/year: **15/06/23**

Mode : **ONLINE**


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Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


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Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.



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Aiet/Mech/AY2022-23/015

Date-5/06/23

CIRCULAR

All the students from Department of Mechanical Engineering, are hereby informed to attend the Technical Talk by **Mr. Rajgopal R G International Trainer & strategic consultant**

Date: 15/06/23

Time: 03:00 pm-05:00 pm

Title of the Talk: CONTINUOUS PROCESS IMPROVEMENT USING LEAN SIX SIGMA

Venue : CAMD lab,

MODE: ONLINE

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Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Principal
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Principal table/Deans/HODs/AO/Office/---



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DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY ATTENDANCE LIST

Sl.No.	Faculty Name	Signature
1	Dr. Satyanarayana	
2	Mr. Veerendra kumar	
3	Mr. Sharathchandra Prabhu	
4	Dr. G. B. Vaggar	
5	Mr. Hemanth Suvarna	
6	Mr. Suresh P S	
7	Mr. Sadashiv Bellubbi	
8	Mr. Kiran C H	
9	Mr. Pramod Badyankal	
10	Mr. M.R. Ganesh	
11	Mr. Kumar Swamy M.C	
12	Mr. Gopal Krishna U.B	
13	Mr. Deepak Kothari	
14	Mr. Srinivas C S	
15	Mr. Pramod kumar N	
16	Mr. Praveen K C	
17	Mr. Sudheer PN	

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DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ATTENDANCE LIST

Semester : 6th semester

Sl no.	Name	USN	Sign
1	ADHWITH	4AL20ME001	Adwitya..
2	AKSHAR N	4AL20ME002	Akshar N
3	BABUGOUDA SHANKARAGOUDA	4AL20ME003	Babugouda
4	CHANDAN BHOSALE	4AL20ME004	Chandan
5	CH'RANTH H S	4AL20ME006	Chanth H S
6	DILEEP P R	4AL20ME007	Dileep P.R.
7	FRISON NIKHIL MARTIS	4AL20ME008	Frison
8	GIRISH B BANNIKOPPA	4AL20ME009	Girish B
9	JENNY FERNANDES	4AL20ME011	Jenny
10	MANOJ KUMAR KARNAM	4AL20ME012	Manoj K
11	MANU K N	4AL20ME013	Manu K N
12	MOHAMMED SWAHID	4AL20ME014	M. Swahid
13	MOHAMMED FAHAD H	4AL20ME015	Mohammed
14	NAVYASHREE H B	4AL20ME016	Navyashree
15	PALLAVI P	4AL20ME017	Pallavi P
16	PAVANKUMAR H R	4AL20ME018	Pavankumar H.R.
17	RAKSHITH S	4AL20ME019	Rakshith S
18	VARUN S BHANDARY	4AL20ME021	Varun S
19	VIGNESH	4AL20ME022	Vignesh
20	DODDAMALLAIAH	4AL21ME400	Doddamalliah
21	RAHUL KUMBAR	4AL21ME401	Rahul K
22	RAKESH KELAGADE	4AL21ME402	Rakesh Kelagade
23	SACHIN RATHOD	4AL21ME403	Sachin Rathod
24	SANDEEP JARALE	4AL21ME404	Sandeep Jarale



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Semester : 4th semester

Sl no.	Name	USN	Sign
1	AJITH R	4AL21ME001	
2	AKHIL SHARMA K	4AL21ME002	
3	AKSHAY KRISHNA M	4AL21ME003	
4	CHARAN KUMAR	4AL21ME004	
5	DHARSHITH A	4AL21ME005	
6	MELVIN VINAY SERA	4AL21ME006	
7	MOHAMMAD SWALIH	4AL21ME007	
8	NARAYAN V	4AL21ME008	
9	NAVANEETH H SHETTY	4AL21ME009	
10	NITHIN M	4AL21ME010	
11	PAIGAMBAR S NADAF	4AL21ME011	
12	HASHWATH R GOWDA	4AL21ME013	
13	SUDESH D SHETTY	4AL21ME015	
14	KARTHIK VISWANATH DHANNUR	4AL22ME401	
15	PRAVEEN VEERAPPA CHAVADI	4AL22ME402	
17	KRISHNA KYADGIHALLI	4AL22ME403	
18	KARTHIK GOWDA B C	4AL22ME400	

Forum Coordinator

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FEEDBACK FORM

1. Name of the Resource Person : Mr. Rajgopal R G

2. Topic of the Technical talk : CONTINUOUS PROCESS IMPROVEMENT USING LEAN SIX SIGMA

Please give feedback on how well this session met its objectives, indicate your response by putting check mark to relevant box

Sl. No.		Poor	Fair	Good	Very good	Excellent
		1	2	3	4	5
1	Relevance of the topic in today's scenario		13%	15%	35%	37 %
2	Clarity of the presentation		16%	10%	30%	44%
3	The presentation contained Practical examples & useful techniques that can be applied to current work			33%	62%	5%
4	The visual aids were effective				53%	47%
5	The resource person was knowledgeable about the topic & any related issues		2%	20%	39%	39%
6	Resource person clarified all queries			20%	81%	19%
7	How was your overall experience			13%	23%	64%

Any other comments : Participants had few queries regarding maintenance of regular lab.

Action Taken : all queries were answered by the resource person .


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