



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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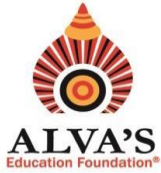
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Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

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

DEPARTMENT OF MECHANICAL ENGINEERING

**THE RELEVANCE OF QUALITY CONTROL IN MECHANICAL
INDUSTRIES**



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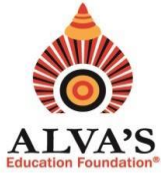
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TECHNICAL TALK REPORT

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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THE RELEVANCE OF QUALITY CONTROL IN MECHANICAL INDUSTRIES

Mode: OFFLINE

Date: 11/03/2023

Resource person: Mr. Ravichandra

Technical in charge

NTTF

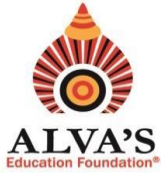
Outcomes :

1. primary outcomes of the talk would be to raise awareness among the audience about the importance of quality control in mechanical industries.
2. talk covered the fundamental concepts and principles of quality control
3. Real-world case studies and examples illustrated the tangible benefits of quality control. Sharing success stories from mechanical industries can inspire attendees to implement similar practices.

Department of Mechanical Engineering has organized a technical talk on The Relevance of Quality Control in Mechanical Industries on. The resource person was Mr. Ravichandra Technical incharge NTTF Technical Head Soft India technologies

The resource person briefed about how Quality control plays a pivotal role in ensuring the success and sustainability of mechanical industries. It encompasses a range of processes, methodologies, and practices aimed at maintaining the consistency, reliability, and excellence of products and services. In the context of mechanical industries, where precision, safety, and performance are paramount, quality control becomes even more crucial.

He briefed about the relevance of quality control in mechanical industries, He discussed about the **Precision and Accuracy** Mechanical industries involve the design, manufacturing, and assembly of complex machinery, components, and systems. Even minor deviations from specifications can lead to catastrophic failures, reduced performance, or safety hazards. Quality control ensures that each part is manufactured with precision and accuracy, adhering to strict tolerances and standards.



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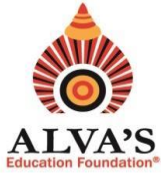
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Product Reliability Consumers and industries rely on mechanical products for their functionality and durability. Quality control processes help identify and rectify potential defects or weak points in the manufacturing process, ultimately leading to more reliable and longer-lasting products. **Safety Enhancement** Many mechanical products are used in critical



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applications such as automotive, aerospace, and medical equipment. Inadequate quality control could result in life-threatening situations. Rigorous quality checks help identify safety issues and prevent potential failures, ensuring the safety of end-users. **Cost Efficiency** Implementing quality control measures from the outset can lead to significant cost savings in the long run. Identifying defects early in the manufacturing process reduces the need for rework, lowers scrap rates, and minimizes the chances of costly product recalls. **Customer Satisfaction** High-quality products lead to satisfied customers. Meeting or exceeding customer expectations builds trust and brand loyalty. On the other hand, consistently delivering subpar products can damage a company's reputation and lead to customer attrition. **Process Optimization** Quality control involves continuous monitoring and analysis of manufacturing processes. By identifying bottlenecks, inefficiencies, and opportunities for improvement, companies can optimize their processes for better performance, reduced waste, and increased productivity. **Innovation and Technological Advancement** Incorporating quality control practices encourages research and development of innovative manufacturing techniques and materials. This drive for quality often leads to the adoption of new technologies that can revolutionize mechanical industries.

In conclusion, quality control is not just a routine check but a strategic imperative in mechanical industries. It underpins product performance, safety, customer satisfaction, and the overall success of a business. Embracing quality control practices ensures that mechanical products meet the highest standards of precision, reliability, and excellence, fostering growth and innovation while safeguarding consumers and industries alike.

ANNEXURE



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Date -25/02/23

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 11/03/2023

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

Resource Person Details

Name: **Mr. Ravichandra**

Designation: **Technical incharge NTTF**

Title : **RELEVANCE OF QUALITY CONTROL IN MECHANICAL INDUSTRIES**


Venue: **CAMD lab**

Date/month/year:**11/03/2023**

Mode : **ONLINE**


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


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Aiet/Mech/AY2022-23/015

Date-25/02/23

CIRCULAR

All the students from Department of Mechanical Engineering, are hereby informed to attend the Technical Talk by **Mr. Ravichandra Technical incharge NTTF**

Date: 11/03/2023

Time: 03:00 pm-05:00 pm

Title of the Talk: RELEVANCE OF QUALITY CONTROL IN MECHANICAL INDUSTRIES

Venue : CAMD lab,

MODE: ONLINE

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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	Mr. 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

SI no.	Name	USN	Sign
1	ADHWITH	4AL20ME001	Adwith..
2	AKSHAR N	4AL20ME002	Akshar
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	Nikhil
8	GIRISH B BANNIKOPPA	4AL20ME009	Girish
9	JENNY FERNANDES	4AL20ME011	Jenny
10	MANOJ KUMAR KARNAM	4AL20ME012	Manoj
11	MANU K N	4AL20ME013	Manu
12	MOHAMMED SWAHID	4AL20ME014	M. Swahid
13	MOHAMMED FAHAD H	4AL20ME015	Fahad
14	NAVYASHREE H B	4AL20ME016	Navyashree
15	PALLAVI P	4AL20ME017	Pallavi
16	PAVANKUMAR H R	4AL20ME018	Pavankumar H.R.
17	RAKSHITH S	4AL20ME019	Rakshith
18	VARUN S BHANDARY	4AL20ME021	Varun
19	VIGNESH	4AL20ME022	Vignesh
20	DODDAMALLAIAH	4AL21ME400	Doddamallai
21	RAHUL KUMBAR	4AL21ME401	Rahul
22	RAKESH KELAGADE	4AL21ME402	Rakelagade
23	SACHIN RATHOD	4AL21ME403	Sachin
24	SANDEEP JARALE	4AL21ME404	Sandeep



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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. Ravichandra

2. Topic of the Technical talk : RELEVANCE OF QUALITY CONTROL IN
MECHANICAL INDUSTRIES

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		3%	25%	35%	37 %
2	Clarity of the presentation		6%	20%	40%	34%
3	The presentation contained Practical examples & useful techniques that can be applied to current work			33%	42%	5%
4	The visual aids were effective				33%	47%
5	The resource person was knowledgeable about the topic & any related issues		2%	10%	39%	49%
6	Resource person clarified all queries			10%	71%	19%
7	How was your overall experience			3%	23%	74%

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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