

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar – 574225, Moodbidri.

Dakshina Kannada Karnataka, India.



Department of Mechanical Engineering

CERTIFICATION COURSE

On

**“Quality Control – Destructive & Non Destructive
Testing”**

FOR THE ACADEMIC YEAR

2017-18



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20/7/2017

APPROVAL LETTER

To,

The Principal,
AIET, Moodbidri

Respected Sir,

Sub: - Approval for Organizing the Students Certification/Training Program on "Quality control - Destructive & Non Destructive Testing"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planning to host a **Five day's** Student Training Program/ hands on workshop on "Quality control - Destructive & Non Destructive Testing" from **24th July 2017 to 28th July 2017**.

Kindly consider the above request and approve the same for further proceedings.

Thanking you Sir.

Coordinator:

Mr. Hemanth S

Head of the Department:

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

Principal:
PRINCIPAL

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

Place: AIET, Moodbidri.



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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20/07/2017

CIRCULAR

All the students are hereby informed that there is a certification course on about Quality Control – Destructive & Non Destructive Testing which is scheduled from 24.07.2017 to 28.07.2017, which is conducted by Mr. M R Ganesh & Mr. Madhu K N, AIET, Dept of mechanical engineering, moodbidri. Interested students kindly register your names on or before 20.07.2017.


Head of the Department:

H. O. U.

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

ALVA'S INSTITUTE OF ENGINEERING AND**TECHNOLOGY, MOODBIDRI****DEPARTMENT OF MECHANICAL ENGINEERING**

Cordially invites you to the

Inauguration of Certification Program

On

**“ Quality control – Destructive & Non
Destructive Testing ”**

Resource Person: Mr. M R Ganesh & Mr. Madhu K N

Dept. of ME, AIET Moodbidri

Guest of Honor: Mr. Vivek Alva

Managing Trustee

President: Dr. Peter Fernandes

Principal, AIET, Moodbidri.

Coordinator

Mr. Hemanth S

Assistant Professor

Head of the Department

Mr K V Suresh

Associate Professor and Head

Venue: AIET MECH Block@9.00AM

❖ **Invocation**

❖ **Welcome Speech**

❖ **Introducing the Chief Guest**

❖ **Honoring the Chief Guest**

❖ **Inauguration**

❖ **Presidential Speech**

❖ **Vote of Thanks**

ABOUT VTU, BELAGAVI

Visvesvaraya Technological University is a collegiate public state university in Karnataka State, India. It was established by the Government of Karnataka. The university is named after M. Visvesvaraya from Karnataka, the only engineer to be awarded a "Bharat Ratna", the highest civilian award in India. Jnana Sangama, Belagavi is the headquarters of VTU. Additionally, the university has three regional centers in Bangalore, Gulbarga and Mysore. VTU is one of the largest universities in India with 212 colleges affiliated to it with an intake capacity of over 467,100 undergraduate students and 12,666 postgraduate students. The university encompasses technical and management fields which offer 30 undergraduate and 71 postgraduate courses. It has around 1800 PhD candidates. VTU has 13 QIP centers and 17 extension centers in its affiliated colleges offering postgraduate courses. It has around 2,305 departments recognized as research centers which are spread across its affiliated institutions in cities of Karnataka.

AIET, MOODBIDRI

Alva's Education Foundation (AEF) established in 1995 with the vision of our Chairman Dr. M. Mohan Alva has succeeded in making Moodbidri, an Educational hub in the South Canara Region, with more than 25000 students pursuing various courses ranging from primary school to post-graduate courses in social sciences, pure sciences, engineering and management. There are 21 institutions functioning under the Alva's Education Foundation.

Alva's Institute of Engineering and Technology, Moodbidri is a Premier Engineering Institute of Alva's Education Foundation, established in the year 2008. The college is certified to the ISO 9001: 2008 standards. The institute offers top quality education in five under graduate programs in Engineering-Computer Science, Civil, Electronics & Communications, Information Science, and Mechanical Engineering-Three Post Graduate programs- Master of Technology in Thermal Power Engineering, Computer Science & Engineering, VLSI Design Embedded System and Master of Business Administration.

DEPARTMENT OF MECHANICAL ENGINEERING

Department of Mechanical Engineering was established in the year 2008 with an intake of 60 and has enhanced to 180 from academic year 2012-13. The Post Graduate course, M.Tech in Thermal Power Engineering was introduced from the academic year 2012-13 with an intake of 18 students. Department is recognized as a research centre by VTU. Department is actively involved in Curricular and extracurricular activities in associations with professional bodies. The main objective of the department is to provide academic excellence, knowledge and nurture talent in the area of Mechanical Engineering. The department has started Bio Diesel research testing centre in the campus to explore in the area of Alternative Fuels.

Department vision is to develop Quality Mechanical Engineers to meet the ever growing and ever changing needs of the economy. The Department is committed to provide high quality technical education at under graduate and post graduate level by means of state of art curriculum with best teaching-learning process.

About Quality control – Destructive & Non Destructive Testing Course

Nowadays, inspection techniques have become vital in the industry in order to evaluate the properties of variable materials or systems, without causing damage and ensuring the safety of the component as well as the operators, saving both time and money in product evaluation, troubleshooting and research. Non Destructive Testing (NDT) methods can be adapted to automated production processes, as well as to the inspection of localized problem areas.

By inspecting the health of a component we are able to prevent greater damage to the whole mechanism and minimize repair costs, prevent possible sources of corrosion or damage right in the source as well as ensure that the quality of the components that are produced complies with the required quality standards.

The industry of Non-Destructive Testing techniques includes a variety of methods ranging from simple techniques, such as Visual Testing (VT), to well established methods such as Radiography (RT), Ultrasonic Testing (UT), Macro Etch Inspection (MEI), Magnetic Particle Testing (MT), Liquid Penetrant Inspection (PT), Eddy Current Testing (ET) as well as Welding Inspection technique (WI).

COURSE CONTENT

1. Introduction to NDT
2. Surface and methods
3. Thermography and eddy current testing
4. Ultrasonic testing and acoustic emission
5. Radiography

RESOURCE PERSON

Mr. M R Ganesh & Mr. Madhu K N

Assistant Professor

Department of Mechanical Engineering, AIET
Moodbidri

Organizing committee

Mr. Sagar b S, Mr. Manjunath N, Mr. Pramod Kumar,

Mr. B G Keshavanth,

Assistant Professor

Department of Mechanical Engineering AIET
Moodbidri

PROGRAM SCHEDULE

July 24, 2017

Inauguration:	09:00 am to 09:30 am
Tea Break:	9:30 am to 9:45 am
Session 1:	9:45 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm

July 25, 2017

Session 3:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 4:	02:00 pm to 05:00 pm

July 26, 2017

Session 5:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 6:	02:00 pm to 05:00 pm

July 27, 2017

Session 7:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm

July 28, 2017

Session 9:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 10:	02:00 pm to 04:00 pm
Valedictory:	04:30 pm to 05:00 pm



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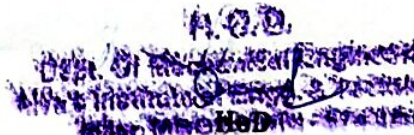
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DEPARTMENT OF MECHANICAL ENGINEERING

The following lists of students are here by informed to attend the Quality control – Destructive & Non Destructive Testing certification course from 24-28 July 2017

Quality control – Destructive & Non Destructive Testing REGISTRATION LIST		
SLN	USN	NAME
1.	4AL16ME084	Sudheera
2.	4AL16ME085	Sharma Sunny Ramnivas
3.	4AL16ME086	Tanay S K
4.	4AL16ME087	Tejas B
5.	4AL16ME088	Thejesh R
6.	4AL16ME089	U Gobind
7.	4AL16ME090	Udayakumar L A
8.	4AL16ME091	VenkateshRagam
9.	4AL16ME093	Vikas D S
10.	4AL16ME094	Vishal Sridhaya P
11.	4AL16ME095	Vishnu
12.	4AL16ME096	VishnuprasadShetty
13.	4AL14ME111	Pratheek G S
14.	4AL15ME001	AbhinavAnilkumar
15.	4AL15ME002	Abhishek C H
16.	4AL15ME101	Yogiraj S A
17.	4AL16ME097	Seemashwori Devi
18.	4AL16ME098	Jyothi S
19.	4AL16ME099	Rakshith C
20.	4AL16ME100	PrasannaVenkatesh
21.	4AL16ME102	Shashank CM
22.	4AL16ME103	Sumith Kumar


Coordinator


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23.	4AL16ME104	Vivekanada C N
24.	4AL16ME105	Chandana
25.	4AL16ME700	Abhishek BIRADAR
26.	4AL16ME701	AkashDundappaJakkanatti
27.	4AL16ME702	Anil Kumar G R
28.	4AL16ME703	B S AbhishekAcharya
29.	4AL16ME704	BasavarajKadakal
30.	4AL16ME709	IrfanBagewadi
31.	4AL16ME710	Karthik K
32.	4AL16ME711	Kirankumar B Basanagoudar
33.	4AL16ME712	Madesha N
34.	4AL16ME713	Manjunath M G
35.	4AL16ME714	ManojHonnappaSannamani
36.	4AL16ME716	Puneeth Kumar C M
37.	4AL16ME717	Rashmitha
38.	4AL16ME718	Raveena
39.	4AL16ME719	Santhosh K B
40.	4AL17ME400	AshikRai
41.	4AL17ME401	Bharath N
42.	4AL17ME402	Bindushree G R
43.	4AL17ME403	G N Sthavarmath
44.	4AL17ME404	Janani M
45.	4AL17ME405	Jayanth S
46.	4AL17ME406	Mahesh Kumar BO
47.	4AL17ME407	MohanKirshna M G
48.	4AL17ME408	MohsinFayad khan
49.	4AL17ME409	MuttannaBhangi

Coordinator

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50.	4AL17ME410	NayakRachitJagannath
51.	4AL17ME411	Prasanna V K
52.	4AL17ME412	Prashanth D H (2nd shift)
53.	4AL17ME413	Praveen Kumar Yadav
54.	4AL17ME414	Rangaraju R
55.	4AL17ME415	Ravi
56.	4AL17ME416	Ravi E Kansogi
57.	4AL17ME417	ShashikanthJanamatti
58.	4AL17ME418	Shravankumar
59.	4AL17ME419	Vinay
60.	4AL17ME420	VineethNayak
61.	4AL16ME407	Deepak Tirakannavar S
62.	4AL16ME408	Dharmaveera B M
63.	4AL16ME409	Divakar K M
64.	4AL16ME410	GadkarRohan Rajesh
65.	4AL16ME411	Girish R
66.	4AL16ME412	GirishUgargol
67.	4AL16ME413	Halesha B S
68.	4AL16ME414	MadhusudhanKhamitkar
69.	4AL16ME415	Mahalakshmi P D
70.	4AL15ME700	Abhisheka R S
71.	4AL15ME701	Akash V
72.	4AL15ME702	AmogDilipMajalika
73.	4AL15ME703	Anand G Warriar
74.	4AL15ME704	AnandRathod
75.	4AL15ME705	Arjun S
76.	4AL15ME706	Asif M B

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77.	4AL15ME707	AswinKrishana P R
78.	4AL15ME708	AswinVineeth
79.	4AL15ME710	BharathSanthosh
80.	4AL15ME711	Chandan N
81.	4AL15ME712	Chirag B Shetty
82.	4AL15ME713	Gerard Elston Shawn Dsouza
83.	4AL15ME714	Gowthamkumar S N
84.	4AL15ME715	Jaidev K
85.	4AL15ME716	JameelAhamed
86.	4AL15ME717	Mallikarjun G
87.	4AL15ME718	Melvin George M
88.	4AL15ME720	Pavan V
89.	4AL15ME722	PradeepBagali
90.	4AL15ME723	Prasanna H S
91.	4AL15ME412	Dhanush Kumar
92.	4AL15ME413	DoddabasavaKolur
93.	4AL15ME414	Giridhara G
94.	4AL15ME415	Girish M
95.	4AL15ME416	GouvisiddappaIrappaItagi
96.	4AL15ME418	HareeshPanchal
97.	4AL15ME419	Harish Ugargol
98.	4AL15ME420	Hithesh G Shetty
99.	4AL15ME421	Jyothi R
100.	4AL15ME423	KirankumarMelinamani
101.	4AL15ME424	Kishor
102.	4AL15ME425	Krishna Huddar
103.	4AL15ME426	MallikarjunGundur

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104.	4AL15ME429	Manjunatha D V
105.	4AL15ME430	Navaneeth P
106.	4AL15ME431	RaghavendraHipparagi
107.	4AL15ME432	Rakesh D
108.	4AL15ME433	Ramu Ramesh Kadam
109.	4AL15ME434	Ranjan Kishore K
110.	4AL15ME435	RavindraNayaka R
111.	4AL15ME436	RijvansabNagalapur
112.	4AL15ME437	Sachin Raj N
113.	4AL15ME438	SanthoshAppasabTadake
114.	4AL15ME439	Santhoshkumar
115.	4AL15ME440	ShanbhagGourav Sunil
116.	4AL15ME441	Shantkumar
117.	4AL15ME442	ShettyAbhishekSudhakar
118.	4AL15ME443	ShettySaiprasadGanghadhar
119.	4AL15ME444	ShettySandeshGananath
120.	4AL15ME445	ShitalMajannavar
121.	4AL15ME446	Shivaling Y Argi
122.	4AL15ME447	Suhas J
123.	4AL15ME448	Umesha
124.	4AL15ME449	VinayakaMalagoudaPatil
125.	4AL15ME450	Vinayaka
126.	4AL15ME451	Yallappa


Coordinator

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DEPARTMENT OF MECHANICAL ENGINEERING

Quality control - Destructive & Non Destructive Testing -- ATTENDANCE REPORT-2017-18												
SL.N	USN	NAME(Caps Only)	24-07		25-07		26-07		27-07		28-07	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	4AL16ME084	Sudheera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.	4AL16ME085	Sharma Sunny Ramnivas	✓	✓	A	✓	A	✓	✓	✓	✓	✓
3.	4AL16ME086	Tanay S K	✓	A	✓	✓	✓	✓	✓	A	✓	✓
4.	4AL16ME087	Tejas B	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
5.	4AL16ME088	Thejesh R	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
6.	4AL16ME089	U Gobind	✓	✓	A	✓	A	✓	✓	✓	✓	✓
7.	4AL16ME090	Udayakumar L A	✓	A	✓	✓	✓	✓	✓	✓	A	✓
8.	4AL16ME091	Venkatesh Ragam	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
9.	4AL16ME093	Vikas D S	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
10.	4AL16ME094	Vishal Sridhaya P	✓	✓	✓	✓	✓	✓	✓	A	✓	✓
11.	4AL16ME095	Vishnu	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
12.	4AL16ME096	Vishnuprasad Shetty	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
13.	4AL14ME111	Pratheek G S	A	✓	✓	✓	A	✓	✓	✓	✓	✓
14.	4AL15ME001	Abhinav Anilkumar	✓	✓	✓	A	A	✓	✓	✓	✓	✓
15.	4AL15ME002	Abhishek C H	✓	A	✓	✓	✓	✓	✓	✓	A	✓
16.	4AL15ME101	Yogiraj S A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17.	4AL16ME097	Seemashwori Devi	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
18.	4AL16ME098	Jyothi S	✓	✓	✓	✓	✓	✓	✓	✓	A	✓
19.	4AL16ME099	Rakshith C	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
20.	4AL16ME100	Prasanna Venkatesh	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
21.	4AL16ME102	Shashank CM	✓	✓	✓	✓	✓	✓	✓	A	✓	✓
22.	4AL16ME103	Sumith Kumar	A	✓	✓	✓	✓	A	✓	✓	✓	✓
23.	4AL16ME104	Vivekanada C N	✓	✓	✓	A	✓	✓	✓	✓	✓	✓

Coordinator

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DEPARTMENT OF MECHANICAL ENGINEERING

		Sem									
24.	4AL16ME105	Chandana	✓	A	✓	✓	✓	✓	✓	✓	✓
25.	4AL16ME700	Abhishek BIRADAR	✓	✓	✓	✓	✓	✓	✓	✓	✓
26.	4AL16ME701	AkashDundappaJakkanatti	✓	✓	✓	✓	✓	✓	✓	✓	✓
27.	4AL16ME702	Anil Kumar G R	✓	✓	✓	✓	✓	✓	✓	✓	✓
28.	4AL16ME703	B S AbhishekAcharya	✓	✓	✓	✓	✓	✓	✓	✓	✓
29.	4AL16ME704	BasavarajKadagal	✓	✓	✓	✓	✓	✓	✓	✓	✓
30.	4AL16ME709	IrfanBagewadi	✓	✓	✓	✓	✓	✓	✓	✓	✓
31.	4AL16ME710	Karthik K	✓	✓	✓	✓	✓	✓	✓	✓	✓
32.	4AL16ME711	Kirankumar B Basanagoudar	✓	✓	✓	✓	✓	✓	✓	✓	✓
33.	4AL16ME712	Madesha N	✓	✓	✓	✓	✓	✓	✓	✓	✓
34.	4AL16ME713	Manjunath M G	✓	✓	✓	✓	✓	✓	✓	✓	✓
35.	4AL16ME714	ManojHonnappaSannamani	✓	✓	✓	✓	✓	✓	✓	✓	✓
36.	4AL16ME716	Puneeth Kumar C M	✓	✓	✓	✓	✓	✓	✓	✓	✓
37.	4AL16ME717	Rashmitha	✓	✓	✓	✓	✓	✓	✓	✓	✓
38.	4AL16ME718	Raveena	✓	✓	✓	✓	✓	✓	✓	✓	✓
39.	4AL16ME719	Santhosh K B	✓	✓	✓	✓	✓	✓	✓	✓	✓
40.	4AL17ME400	AshikRai	✓	✓	✓	✓	✓	✓	✓	✓	✓
41.	4AL17ME401	Bharath N	✓	✓	✓	✓	✓	✓	✓	✓	✓
42.	4AL17ME402	Bindushree G R	✓	✓	✓	✓	✓	✓	✓	✓	✓
43.	4AL17ME403	G N Sthavarmath	✓	✓	✓	✓	✓	✓	✓	✓	✓
44.	4AL17ME404	Janani M	✓	✓	✓	✓	✓	✓	✓	✓	✓
45.	4AL17ME405	Jayanth S	✓	✓	✓	✓	✓	✓	✓	✓	✓
46.	4AL17ME406	Mahesh Kumar BO	✓	✓	✓	✓	✓	✓	✓	✓	✓
47.	4AL17ME407	MohanKirshna M G	✓	✓	✓	✓	✓	✓	✓	✓	✓

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48.	4AL17ME408	MohsinFayad khan	✓	✓	✓	A	✓	✓	✓	✓	✓	A	✓
49.	4AL17ME409	MuttannaBhanghi	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
50.	4AL17ME410	NayakRachitJagannath	✓	A	✓	✓	✓	A	✓	A	✓	✓	✓
51.	4AL17ME411	Prasanna V K	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
52.	4AL17ME412	Prashanth D H (2nd shift)	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
53.	4AL17ME413	Praveen Kumar Yadav	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
54.	4AL17ME414	Rangaraju R	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
55.	4AL17ME415	Ravi	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
56.	4AL17ME416	Ravi E Kansogi	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
57.	4AL17ME417	ShashikanthJanamatti	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
58.	4AL17ME418	Shravankumar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
59.	4AL17ME419	Vinay	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
60.	4AL17ME420	VineethNayak	✓	✓	A	✓	✓	✓	A	✓	✓	✓	✓
61.	4AL16ME407	Deepak Tirakannavar S	✓	✓	✓	✓	✓	✓	✓	✓	✓	A	✓
62.	4AL16ME408	Dharmaveera B M	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
63.	4AL16ME409	Divakar K M	✓	✓	✓	✓	✓	✓	✓	✓	✓	A	✓
64.	4AL16ME410	GadkarRohan Rajesh	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	A
65.	4AL16ME411	Girish R	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
66.	4AL16ME412	GirishUgargol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
67.	4AL16ME413	Halesha B S	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	A
68.	4AL16ME414	MadhusudhanKhamitkar	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	A
69.	4AL16ME415	Mahalakshmi P D	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
70.	4AL15ME700	Abhisheka R S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
71.	4AL15ME701	Akash V	✓	A	✓	A	✓	✓	✓	✓	✓	✓	✓
72.	4AL15ME702	AmogDilipMajalika	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓

Coordinator

Dept. of Mech. Engrg.
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Mijar, Moodbidri - 574 225



DEPARTMENT OF MECHANICAL ENGINEERING

Sr	Roll No.	Name	Maths	Science	English	Hindi	Social Science	Art	Musical	Physical Education	Computer	Handwriting
73.	4AL15ME703	Anand G Warriar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
74.	4AL15ME704	AnandRathod	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
75.	4AL15ME705	Arjun S	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
76.	4AL15ME706	Asif M B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
77.	4AL15ME707	AswinKrishana P R	✓	✓	n	✓	✓	✓	✓	✓	A	✓
78.	4AL15ME708	AswinVineeth	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
79.	4AL15ME710	BharathSanthosh	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
80.	4AL15ME711	Chandan N	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
81.	4AL15ME712	Chirag B Shetty	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
82.	4AL15ME713	Gerard Elston Shawn Dsouza	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
83.	4AL15ME714	Gowthamkumar S N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
84.	4AL15ME715	Jaidev K	✓	✓	✓	A	✓	✓	A	✓	✓	✓
85.	4AL15ME716	JameelAhamed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
86.	4AL15ME717	Mallikarjun G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
87.	4AL15ME718	Melvin George M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
88.	4AL15ME720	Pavan V	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
89.	4AL15ME722	PradeepBagali	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
90.	4AL15ME723	Prasanna H S	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
91.	4AL15ME412	Dhanush Kumar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
92.	4AL15ME413	DoddabasavaKolur	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
93.	4AL15ME414	Giridhara G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
94.	4AL15ME415	Girish M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
95.	4AL15ME416	GouvisiddappaIrapaltagi	✓	✓	✓	✓	A	✓	✓	✓	A	✓
96.	4AL15ME418	HareeshPanchal	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
97.	4AL15ME419	Harish Ugargol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
98.	4AL15ME420	Hithesh G Shetty	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
99.	4AL15ME421	Jyothi R	✓	✓	✓	✓	A	✓	✓	✓	A	✓

Coordinator

AND a Institute of ~~Technology~~
MIRN MOODAM.

DEPARTMENT OF MECHANICAL ENGINEERING

Coordinator

MUNN MCGILL



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DEPARTMENT OF MECHANICAL ENGINEERING

Quiz on Quality control – Destructive & Non Destructive Testing work Course

1. Probably the most basic inspection technique is visual testing. Which of these items would a visual inspector most likely not use to carry out his duties?

- a. Rubber mallet
- b. Magnifying glass
- c. Measuring devices
- d. Flashlight

2. Penetrant testing, or PT, is an inspection technique where a dye is applied to a welded item. If any defects, such as cracks or pinholes are in the weld, the dye will seep into the defect so the inspector can see them easier. Which term best describes why the dye seeps into a defect?

- a. Hydraulic action
- b. Suction
- c. Osmosis
- d. Capillary action

3. Which among the following is not a type of Non-destructive testing?

- a) Compression test
- b) Visual testing
- c) Ultrasonic testing
- d) Eddy current testing

4. Identify the type of destructive testing _____

- a) Radiographic test
- b) Dye penetrant test
- c) Creep test
- d) Visual testing

5. Which among the following is the last step in magnetic particle test method?

- a) Observation and inspection
- b) Circular magnetization

- c) Demagnetization
- d) Magnetization

6. Which test can be performed without skilled labour?

- a) Probe test
- b) Bend liquid test
- c) Dye penetrant test
- d) Torsion test

7. What is a destructive test?

- a) Destructive tests are applications for detecting flaws in materials without impairing their usefulness
- b) Destructive tests are applications for detecting flaws that impair the use of the materials such as pressure testing
- c) Destructive tests are applications for detecting flaws in materials with impairing their usefulness
- d) Destructive tests are applications for detecting flaws that do not impair the use of the materials such as pressure testing

8. What is nondestructive test?

- a) Nondestructive tests are applications for detecting flaws in materials without impairing their usefulness
- b) Nondestructive tests are applications for detecting flaws that impair the use of the materials such as pressure testing
- c) Nondestructive tests are applications for detecting flaws in materials with impairing their usefulness
- d) Nondestructive tests are applications for detecting flaws that do not impair the use of the materials such as pressure testing

9. In which type of test the capillary action principle is used?

- a. Probe test
- b. Bend liquid test



Quiz on Quality control – Destructive & Non Destructive Testing work Course

- c. Dye penetrant test
 - d. None of the above
10. Non-destructive testing is used to determine
- a. location of defects
 - b. chemical composition
 - c. corrosion of metal
 - d. All of these
11. Which among the following is not a type of Non-destructive testing?
- a. compression test
 - b. visual testing
 - c. ultrasonic testing
 - d. eddy current testing
12. Identify the type of destructive testing
- a. Radiographic test
 - b. Dye penetrant test
 - c. Creep test
 - d. All of the above
13. Which among the following is the last step in magnetic particle test method?
- a. observation and inspection
 - b. circular magnetization
 - c. demagnetization
 - d. magnetization
14. Which of the following statements is/are true for ultrasonic test?
- a. Equipment used for ultrasonic testing is portable
 - b. Complicated shapes can be easily scanned
 - c. Waves generated are health hazardous
 - d. All the above statements are true
15. During radiography test, which region absorbs less radiation and transmits more?
- a. Low and high density regions absorb and transmit same amount of radiation
 - b. High density region
 - c. Low density region
 - d. None of the above
17. Which test is used to determine dimensions of any object?
- a. Ultrasonic test
 - b. Torsion test
 - c. Eddy current test
 - d. All of these tests can be used to determine dimensions of any object
18. Eddy current test is used to detect
- a. cracks
 - b. hardness
 - c. conductivity
 - d. All of the above
19. Which test can be performed without skilled labour?
- a. Dye penetrant testing
 - b. Visual testing
 - c. Ultrasonic testing
 - d. Magnetic particle test
20. Which test can be performed without skilled labour?
- a. Dye penetrant testing
 - b. Visual testing
 - c. Ultrasonic testing



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DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

Five days Students Training Program
On

"Quality control - Destructive & Non Destructive Testing"

For the following areas, please indicate your rating from 1 to 5:

1=strongly Disagree 2=Disagree 3=neither agree nor disagree 4=Agree 5=strongly Agree

SN	Topics	1	2	3	4	5
A.	Content					
1	Understood the basics of quality control					✓
2	Understood the fundamental of destructive and non destructive testing					✓
3	Able to apply the quality control techniques for the problems at the hand.					✓
4	Understood the fundamentals of non destructive testing				✓	
5	Able to do practical work					✓
B	Presentation					
6	Instructor's knowledge					✓
7	Instructor's presentation style					✓
8	Instructor covered material clearly					✓
9	Instructor responded well to questions				✓	
10	Instructor facilitated interactions among participants well					✓
C. How could this workshop be improved?						
— M1 —						
D. Any other comments or suggestions?						
— M2 —						
E. Overall, how would you rate this workshop?						
☐	Poor	☐			Good	
☐	Neither Good Nor Poor	☒			Excellent	



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DEPARTMENT OF MECHANICAL ENGINEERING

Report on Quality control - Destructive & Non Destructive Testing

The department of ME conducted a Five Days hands on students training program for the students of ME from 24-07-2017 to 28-07-2017 on "Quality control - Destructive & Non Destructive Testing" at AIET Moodbidri.

Mr. M R Ganesh & Mr. Madhu K N, Department of Mechanical Engineering AIET, Moodbidri delivered a comprehensive and in depth information about the Fundamentals Quality control - Destructive & Non Destructive Testing, Techniques, Applications. Participants have enthusiastically participated and learnt the application building.

Photo



Handwritten signature
H.O.D.

Dept. of Mechanical Engineering
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Department of Mechanical Engineering

ACADEMICS YEAR 2017-18

Summary Report of Add-on / Certificate program with its Outcomes

Title of the Course: QUALITY CONTROL [DESTRUCTIVE/NON DESTRUCTIVE TESTING]

Learning Outcomes : The student have learnt to

- select an appropriate NDT technique as per requirement
- set various process parameters and control the NDT process for the desired output parameters.
- Find the internal flaws in the material by NDT and take measures to eliminate them.
- Various problems encountered like leakage, cracks, blowholes etc with the manufacturing process by analyzing the data.
- competent enough to make use of modern tools and softwares for analyzing and solving real life problems
- introduce environmental friendly solutions to achieve organizational sustainability

HOD

H. O. D.

Dept. Of Mechanical Engineering
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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MOODBIDRI



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Shobhavana Campus, Mijar, Moodbidri DK Karnataka-574225

DEPARTMENT MECHANICAL ENGINEERING

Certificate

*This is to certify that Mr./Ms.....bearing the
USN from has attended
the Students Training Program on "Quality control -
Destructive non Destructive Testing" from 24th July 2017 to
28th July 2017*

Mr. Hemanth S
Coordinator

Head of the Department
Mechanical Engineering

Dr. Peter Fernandes
Principal
AIET Moodbidri