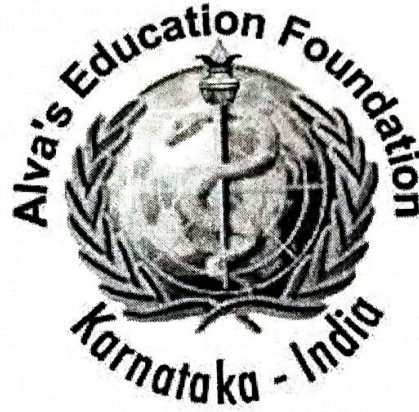


ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar – 574225, Moodbidri.

Dakshina Kannada Karnataka, India.



Department of Mechanical Engineering

CERTIFICATION COURSE

On

“Fire and Safety in Industry”

FOR THE ACADEMIC YEAR

2016-17



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 27/12/2015

APPROVAL LETTER

To,

The Principal,
AIET, Moodbidri

Respected Sir,

Sub: - Approval for Organizing the Students Certification/Training Program on "Fire and safety in industry"-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 **5 day's** Student Training Program/ hands on workshop on "**Fire and safety in industry**" from "**11th July 2016**" to "**16th July 2016**".

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

Thanking you Sir.


Coordinator:

Mr. Hemanth S


Head of the Department:

Prof. K. V. Suresh
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: 7/7/2016.

CIRCULAR

All the students are hereby informed that there is a certification course on about **FIRE AND SAFETY IN INDUSTRY** which is scheduled from 11.07.2016 to 15.07.2016, which is conducted by Mr. G B Vaggar & Mr. Sharathchandra prabhu, AIET, Dept of mechanical engineering, moodbidri. Interested students kindly register your names on or before 10.07.2016.


Head of the Department:

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

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 FIRE AND SAFETY IN INDUSTRY COURSE

Industrial fire safety is the set of practices intended to reduce the destruction caused by fire. Industrial fire safety measures include those that are intended to prevent ignition of an uncontrolled fire, and those that are used to limit the development and effects of a fire it starts

Industrial fire safety is primarily a management activity which is concerned with reducing, controlling and eliminating fire accident from the industries or industrial units. The unsafe conditions acts and miscellaneous causes industrial fire accidents. Common causes for fire hazards in industries.

COURSE CONTENT

1. Introduction to industrial fire safety
2. What is industrial fire safety
3. Causes of industrial fire accidents
4. Significance of industrial fire safety
5. Measures to industrial safety
6. Safety inspection procedures
7. Fire safety instruments

RESOURCE PERSON

Mr. G B Vaggar, Mr. Sharathchandra prabhu
Senior Assistant professor
Department of Mechanical Engineering, AIET
Moodbidri

Organizing committee

Mr. Jayanaik J. Mr. Srinivas C S & Mr.
Muddukrishna
Assistant Professor
Department of Mechanical Engineering AIET
Moodbidri

PROGRAM SCHEDULE - 11/7/ 2016

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

12/7/ 2016

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

13/7/ 2016

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

14/7/ 2016

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

15/7/ 2016

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

PROGRAMME SCHEDULE

- ❖ Invocation
- ❖ Welcome Speech
- ❖ Introducing the Chief Guest
- ❖ Honoring the Chief Guest
- ❖ Inauguration
- ❖ Presidential Speech
- ❖ Vote of Thanks

INVITATION

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI

DEPARTMENT OF MECHANICAL ENGINEERING

Cordially invites you to the

Inauguration of Certification Program

On

“ FIRE AND SAFETY IN INDUSTRY ”

Resource Person: **Mr. G B Vaggar, Mr. Sharathchandra prabhu**
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

Fire and safety in industry-- ATTENDANCE REPORT-2016-17

HoD

Coordinator



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF MECHANICAL ENGINEERING

25.	4AL13ME737	ROHAN KOLEKAR	✓	✓	✓	✓	✓	✓	A	A	✓	✓	✓	✓
26.	4AL13ME738	SAHANA UMESH NAIK	A	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27.	4AL13ME739	SANDESH H A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28.	4AL13ME741	SHETTY VISHANTH R	✓	A	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
29.	4AL13ME742	SHIV KUMAR SWAMY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30.	4AL13ME743	SHYAM M S	✓	✓	A	✓	✓	✓	A	✓	✓	✓	✓	✓
31.	4AL13ME744	SINTO SUNNY	✓	✓	✓	✓	✓	✓	A	A	✓	✓	✓	✓
32.	4AL13ME745	SUHAD KASSIM	✓	A	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
33.	4AL13ME746	SUNIL G M	A	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
34.	4AL13ME747	SURAJ BANGERA K	A	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35.	4AL13ME749	TIMMAPPA B	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	A	✓
36.	4AL13ME751	VIPIN RAJ O P	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
37.	4AL13ME752	VITTAL B NAGANUR	✓	✓	✓	✓	✓	A	A	✓	✓	✓	✓	✓
38.	4AL10ME046	KARTHIK S MAYYA	✓	✓	✓	✓	✓	A	A	✓	✓	✓	✓	✓
39.	4AL11ME003	ABHISHEK ABRHAM	✓	✓	✓	✓	✓	A	✓	✓	✓	A	✓	✓
40.	4AL12ME046	MAMIDI RAJKUMAR	✓	✓	✓	✓	✓	A	✓	✓	✓	A	✓	✓
41.	4AL12ME062	DRUV PANCHAL	✓	A	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
42.	4AL12ME085	SHETTY KARTHIK	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
43.	4AL12ME105	U P CHANDAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44.	4AL14ME421	SUDARSHAN CHOUGALE	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
45.	4AL14ME422	VENKATESH G	✓	✓	A	✓	✓	A	✓	✓	✓	✓	✓	✓
46.	4AL14ME423	VINOD DHAREPPA D	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
47.	4AL14ME426	GANGADHARSWAMI N H	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
48.	4AL14ME428	LOKESHWARI A	✓	✓	✓	✓	✓	✓	✓	✓	A	A	A	✓
49.	4AL14ME430	PRAVEENA M B	✓	A	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
50.	4AL14ME431	RAVI PUJARI	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓

Coordinator

HoD

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
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Phone: 08258-262725, Fax: 08258-262726

Coordinator

HoD



Quiz on Fire and safety in Industry Course

1. Probability of the event that might occur X Severity of the event if it occurs

(A) Accident; (B) Hazard; (C) Risk; (D) None of the above

2-Industrial safety management if that branch of management which is concerned with _____ hazards from the industries.

(A) Reducing
(B) Controlling
(C) Eliminating
(D) All of the above

3-The following is indirect cost of accident

(A) Money paid for treatment of worker
(B) Compensation paid to worker
(C) Cost of lost time of injured worker
(D) All of the above

4-The following is(are) physical hazard agent(s)

(A) Falls
(B) Electricity
(C) Inhalation
(D) All of the above

5-Check list for Job Safety Analysis (JSA) consists of

(A) Work area, material, machine, tools
(B) Men, machine, material, tools
(C) Men, machine, work area, tools
(D) Men, work area. Material, tools

6-A safety programme consists of

(A) Three E's
(B) Four E's
(C) Five E's

(D) Six E's

7-For household wiring and small units, the following should be used for safety measure

(A) MCB
(B) ACB
(C) OCB
(D) MCCB

8-Which of the following colour is used for radiation hazard?

(A) Red
(B) Orange
(C) Green
(D) Purple

9-Decibel (db) is a unit used to measure

(A) Light
(B) Sound
(C) Frequency
(D) None of the above

10-The following is (are) are generally provided with limit switch to prevent motion beyond preset limit

(A) Hoists
(B) Conveyors
(C) Machine tables
(D) All of the above

11-The following is (are) used as safety device(s) in machines

(A) Fail safe
(B) Safety interlocks
(C) Limit switches
(D) All of the above



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DEPARTMENT OF MECHANICAL ENGINEERING

Quiz on Fire and safety in Industry Course

12-Class-A fire consists of fire due to

- (A) Wood
- (B) Oil
- (C) Transformer
- (D) Chemical

13-Water is used to extinguish

- (A) Class-A fires
- (B) Class-B fires
- (C) Class-C fires
- (D) All of the above

14-The following class of fire occur in electrical equipment

- (A) Class-A fires
- (B) Class-B fires
- (C) Class-C fires
- (D) All of the above

15-The following extinguisher is suitable for cotton or other textile fire

- (A) Water
- (B) Soda acid
- (C) Foam
- (D) Dry chemicals

16-_____ is best suited to extinguishing oil or flammable liquid fire.

- (A) Soda acid
- (B) Vaporizing liquid
- (C) Foam
- (D) Dry chemical

17. Ethics may be defined as:

- (A) A code of conduct
- (B) A code of material
- (C) A code of manager
- (D) None of the above

18. Need Hierarchy theory of motivation is propounded by:

- (A) Maslow
- (B) Mc Gregor
- (C) Herzberg
- (D) None of the above

19. The leadership style which is based on consultations with his group is called:

- (A) Autocratic style
- (B) Democratic style
- (C) Paternalistic style
- (D) None of the above

20. When a leader does not interfere with the working of his group, the leadership style is known as:

- (A) Free rein style
- (B) Participative style
- (C) Authoritarian style
- (D) None of the above



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DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

Five days Students Training Program

On

"Fire and safety in Industry"

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 fire safety					✓
2	Understood the fundamental of industry safety					✓
3	Able to apply the industry safety techniques for the problems at the hand.					✓
4	Understood the fundamentals of fire safety					✓
5	Able to do practical problems solution				✓	
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?						
— Nil —						
D. Any other comments or suggestions?						
— Nil —						
E. Overall, how would you rate this workshop?						
<input type="checkbox"/>	Poor	<input type="checkbox"/>	Good			
<input type="checkbox"/>	Neither Good Nor Poor	<input checked="" type="checkbox"/>	Excellent			



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DEPARTMENT OF MECHANICAL ENGINEERING

Report on FIRE & SAFETY in INDUSTRY

The department of ME conducted a 05 Days hands on students training program for the students of ME from 11-07-2016 to 15-07-2016 on "FIRE & SAFETY in INDUSTRY" at AIET Moodbidri.

Mr. G B VAGGAR, Mr.SHARATH CHANDRA PRABHU, Department of Mechanical Engineering AIET, Moodbidri delivered a comprehensive and in depth information about the Fundamentals of FIRE & SAFETY in INDUSTRY & its Applications. Participants have enthusiastically participated and learnt the application building.

Photo





ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MOODBIDRI

A Unit of Alva's Education Foundation®
(Affiliated to VTU, Belagavi and Approved by A.I.C.T.E., New Delhi)
Shobhavana Campus, Mijar, Moodbidri DK Karnataka-574225

DEPARTMENT MECHANICAL ENGINEERING



*This is to certify that Mr./Ms.....bearing the
USN from has attended
the Students Training Program on "Fire and Safety in
Industry" from 11th July 2016 to 15th July 2016*

Mr. Hemanth S
Coordinator

Head of the Department
Mechanical Engineering

Dr. Peter Fernandes
Principal
AIET Moodbidri