



EXCEL ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NBA (AERO, CSE, ECE & MECH), NAAC with "A*" and Recognized by UGC (2f & 12B)

KOMARAPALAYAM - 637303

DEPARTMENT OF SAFETY AND FIRE ENGINEERING

1.3.2 Details of value-added courses for imparting transferable and life skills offered during the year

1.3.3 Number of students enrolled in the courses under 1.3.2

Name of the value-added courses (with 30 or more contact hours) offered	Course Code, if any	No. of times offered during the year	Duration of course (in hours)	Number of students enrolled during the year	1.3.3 Number of students who completed the course during the year
Safety in Engineering Industry		1	30 Hrs	10	10
Oil and Gas Operational Safety		1	30 Hrs	30	30

N. Nataraj
HOD/SFE





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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022-2023

VALUE ADDED COURSE

ON

“SAFETY IN ENGINEERING INDUSTRY”

COURSE DURATION: 30 HOURS



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KOMARAPALAYAM - 637303

Permission Letter

Date: 31 / 01 /2023

Place: Komarapalayam

From

K.Gopalakrishnan
N.Prithiviraj
Assistant Professor
Department of Safety and Fire Engineering
Excel Engineering College (Autonomous)
Komarapalayam.

To

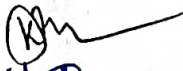
The Principal
Excel Engineering College (Autonomous)
Komarapalayam.

Sir,

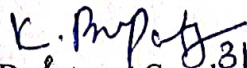
Subject: Seeking permission to organize value added course on "Safety in Engineering Industry"- reg

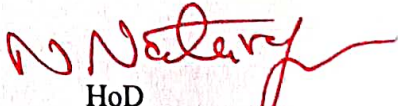
Sir, we would like to organize the value added course on "Safety in Engineering industry" in Safety and Fire Engineering students from 04.02.2023 to 10.02.2023, so that we kindly request you to do the needful for flawless conduction of the courses.

Thank you


Yours truly
K. GOPALAKRISHNAN
N. PRITHIVIRAJ


Activity Coordinator


31/01/23
Department Coordinator
(Dr. K. Boopathi)


HoD


1/2/23



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Department of Safety and Fire Engineering

CIRCULAR

Ref.No:EEC/SFE/2022-23/VAC-01

Date : 03.02.2023

We have planned to conduct a Value Added Course on "Safety in Engineering Industries" from 04.02.2023 to 10.02.2023 at Safety and Fire Engineering Laboratory. All the Third and Second Year Students are informed to attend this Course.

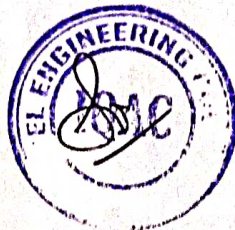

Course Coordinator


Department Coordinator


HoD

CC to:

1. File
2. Overall Activity Coordinator
3. Director-Academic, Admin and Technical
4. Executive Director
5. Chairman/Vice Chairman
6. Dept. Notice Board





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DATE
04.02.2023
TO
10.02.2023

DEPARTMENT OF SAFETY & FIRE ENGINEERING

VALUE ADDED COURSE ON

SAFETY IN ENGINEERING INDUSTRY

Course Coordinators

Mr.K.Gopalakrishnan

Mr.N.Prithiviraj

Assistant Professor

Excel Engineering College

Theme of the Course

- Safety in Metal Working Machinery
- Safety in Wood Working Industry
- Principles of Machine Guarding
- Safety in Welding
- Safety in Gas Cutting

Venue: Safety Engineering Practice Lab, Excel Engineering College

Program Coordinators

Mr.K.Gopalakrishnan

Mr.N.Prithiviraj

Assistant Professor

Activity Coordinator

Mr.S.Saravanakumar

Assistant Professor

Convenor

Dr.N.Natarajan, HoD

Department Coordinator

Dr.K.Boopathy





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DEPARTMENT OF SAFETY AND FIRE ENGINEERING
ACADEMIC YEAR 2022-2023

Value Added Course Syllabus

SAFETY IN ENGINEERING INDUSTRY	
Training Period	6 Days (30 Hours)
DAYS	Training Particulars
Day 1	Safety in Metal Working Machinery <ul style="list-style-type: none">✓ General safety rules, principles, maintenance✓ Inspections of turning machines, boring machines, milling machine, planning machine and grinding machines, CNC machines
Day 2	Safety in Wood Working Industry <ul style="list-style-type: none">✓ Wood working machinery, types, safety principles, electrical guards, work area, material handling, inspection.✓ standards and codes- saws, types, hazards
Day 3	Principles of Machine Guarding <ul style="list-style-type: none">✓ Guarding during maintenance, – guarding of hazards - point of operation protective devices, machine guarding✓ Selection and suitability: lathe-drilling-boring-milling-grinding-shaping-sawing-shearing presses-forge hammer-flywheels-shafts- couplings- gears-sprockets wheels and chains pulleys and belts
Day 4	Safety in Welding <ul style="list-style-type: none">✓ Gas welding and oxygen cutting, resistance welding, arc welding and cutting, common hazards, personal protective equipment, training.✓ safety precautions in brazing, soldering and metalizing – explosive welding, selection, care and maintenance of the associated equipment and instruments
Day 5	Safety in Gas Cutting <ul style="list-style-type: none">✓ Safety in generation, distribution and handling of industrial gases-colour coding – flashback arrestor – leak detection-✓ Pipe line safety-storage and handling of gas cylinders.
Day 6	Practical Session & Feedback <ul style="list-style-type: none">✓ Practical session in Manufacturing and Machines lab✓ Assessment✓ Feedback submission

1.

2.
Course Coordinator

Department Coordinator
(Dr. K. BOPATHY)

HoD



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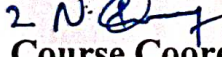
DEPARTMENT OF SAFETY AND FIRE ENGINEERING


ACADEMIC YEAR 2022-2023

VALUE ADDED COURSE ON "SAFETY IN ENGINEERING INDUSTRY"

SCHEDULE

DAYS	Training Particulars	Course Instructor
Day 1 (04.02.2023)	Safety in Metal Working Machinery	Mr.K.Gopalakrishnan
Day 2 (06.02.2023)	Safety in Wood Working Industry	Mr.N.Prithiviraj
Day 3 (07.02.2023)	Principles of Machine Guarding	Mr.K.Gopalakrishnan
Day 4 (08.02.2023)	Safety in Welding	Mr.N.Prithiviraj
Day 5 (09.02.2023)	Safety in Gas Cutting	Mr.K.Gopalakrishnan
Day 6 (10.02.2023)	Practical Session & Feedback	Mr.N.Prithiviraj

1. 
2. 
Course Coordinator


Department Coordinator
(Dr. K. Prabhathy)


HoD



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON "SAFETY IN ENGINEERING INDUSTRY"

COURSE OBJECTIVES:

- To know the safety rules and regulations, standards and codes applicable for engineering industry.
- To study various mechanical machines and their safety importance.
- To understand the principles of machine guarding and operation of protective devices.
- To know the working principle of mechanical engineering processes such as joining process and their safety risks.
- Developing the knowledge related to health and welfare measures in engineering industry.

COURSE OUTCOMES:

- To outline the safety rules, standards and codes in various mechanical engineering processes.
- To explain various machine guarding systems for lathe, drilling, boring and milling machines.
- To develop safe procedures for welding, gas cutting, storage and handling of gas cylinders.
- To specify the, safety and welfare measures to be taken during finishing, Inspection and testing of various mechanical processes.



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING
Academic Year 2022-23

Value Added Course – "Safety in Engineering Industry"

Student Enrollment List

S.No	Roll No.	Register Number	Name of the Student	Signature
1.	20SF002	730920115002	AKASH KRISHNAN	
2.	20SF009	730920115009	JOSE ANTONY ADARSH	
3.	20SF010	730920115010	JOTHEESWARAN A	
4.	20SF012	730920115012	RAJESH R	
5.	20SF014	730920115014	SAFARIN S	
6.	20SF016	730920115016	SURYAPRAKASH R	
7.	21LSF019	730920115302	MOHANKUMAR P	
8.	21SF002	730921115001	AJITH B	
9.	21SF002	730921115002	ALEXPANDIYAN R	
10.	21SF003	730921115003	ARUN P	

Course Coordinator

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DEPARTMENT OF SAFETY AND FIRE ENGINEERING ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON "SAFETY IN ENGINEERING INDUSTRY" ATTENDANCE SHEET

Sl. No.	Roll No.	Student Name	Year/Sem.	04.02.2023	06.02.2023	07.02.2023	08.02.2023	09.02.2023	10.02.2023
1	20SF002	AKASH KRISHNAN	III/VI	/	/	/	/	/	/
2	20SF009	JOSE ANTONY ADARSH	III/VI	/	/	/	/	/	/
3	20SF010	JOTHEESWARAN.A	III/VI	/	/	/	/	/	a
4	20SF012	RAJESH.R	III/VI	/	/	/	/	/	/
5	20SF014	SAFARIN S	III/VI	/	/	/	/	/	/
6	20SF016	SURYAPRAKASH R	III/VI	/	/	a	/	/	/
7	21LSF019	MOHANKUMAR P	III/VI	/	/	/	/	a	/
8	21SF001	AJITH B	II/IV	/	/	/	/	/	/
9	21SF002	ALEXPANDIAN R	II/IV	a	a	/	/	/	/
10	21SF003	ARUN P	II/IV	/	/	/	/	/	/
No of Students Present				9	9	9	10	9	9
No of Absent				1	1	1	-	1	1
Course instructor Signature									

Course Coordinator

Department Coordinator

HoD



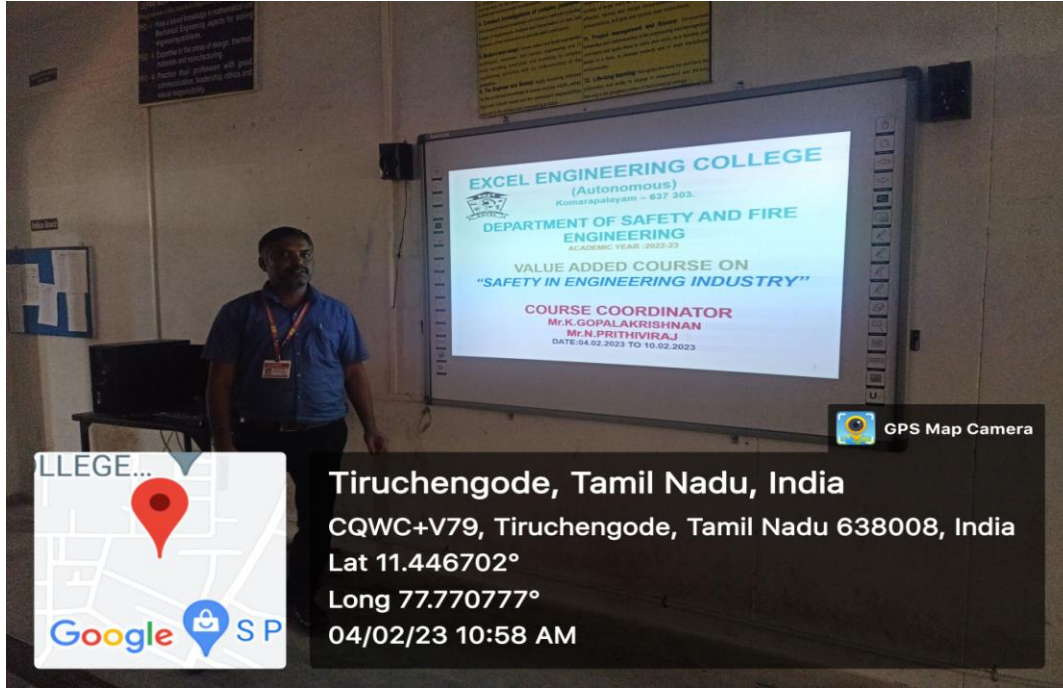
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DEPARTMENT OF SAFETY AND FIRE ENGINEERING ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON "SAFETY IN ENGINEERING INDUSTRY"

SAMPLE PHOTOS





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Tiruchengode, Tamil Nadu, India

CQWC+V79, Tiruchengode, Tamil Nadu 638008, India

Lat 11.447384°

Long 77.770419°

07/02/23 02:50 PM



Namakkal, Tamil Nadu, India

CQXC+89W, Excel Rd, Tamil Nadu 638008, India

Lat 11.447882°

Long 77.771079°

10/02/23 02:29 PM



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON "SAFETY IN ENGINEERING INDUSTRY"

FINAL ASSESMENT MARK STATEMENT

Sl. No.	Roll No.	Student Name	Year/Sem.	Marks out of 20
1	20SF002	AKASH KRISHNAN	III/VI	17
2	20SF009	JOSE ANTONY ADARSH	III/VI	14
3	20SF010	JOTHEESWARAN.A	III/VI	16
4	20SF012	RAJESH.R	III/VI	18
5	20SF014	SAFARIN S	III/VI	13
6	20SF016	SURYAPRAKASH R	III/VI	16
7	21LSF019	MOHANKUMAR P	III/VI	12
8	21SF001	AJITH B	II/IV	13
9	21SF002	ALEXPANDIAN R	II/IV	15
10	21SF003	ARUN P	II/IV	14



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING VALUE ADDED COURSES ON "SAFETY IN ENGINEERING INDUSTRY" Final Assessment Answer All the Questions

Name: RAJESH . R
Year/semester: III / VII

Total.Marks:20
Time: 1 Hour

18
20

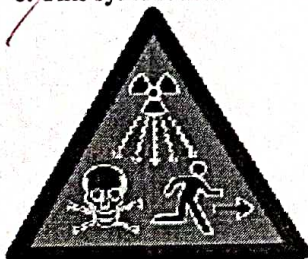
1. What violations are most commonly cited by OSHA?
A. HAZARD communications
 C. Fall protection
B. Scaffolding
D. Respiratory protection
2. What is the leading cause of death on construction sites?
A. Struck by object
C. Caught-in or -between
 B. Falls
D. Electrocutions..
3. The following symbol is used when something in your workplace is a:



- A. Chemical weapon
 B. Biohazard
B. Toxic Substance
C. Radiation Danger
4. Which of the following is not a chemical-related health hazard?
A. Carcinogenicity
 B. Reactivity
C. Corrosivity
D. Toxicity

5. If you wanted to convey the most severe type of hazard, which word would you use?
A. Warning
B. Notice
 C. Danger
D. Caution

6. This symbol means which of the following:

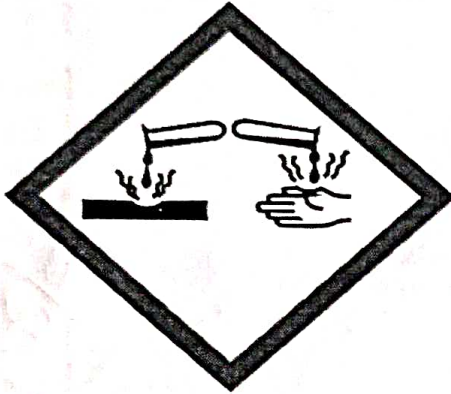




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- A. Danger, ionizing radiation
 - B. Danger, how-hanging and powerful fan
 - C. Danger, risk of frostbite
 - D. None of the above.
7. This hazard symbol is used when something is:



- A. Corrosive
- B. Almost empty
- C. Flammable
- D. Highly acidic

8. If you transfer chemicals from a labeled container to a portable container, you don't need to comply with standard hazardous material labeling requirements when:

- A. You hand the container off to someone else
- B. You leave the work area before using the materials
- C. You don't use the materials before the end of your work shift
- D. None of the above

9. Ammonia becomes an immediate danger to your life and health when it is present at the following level or greater:

- A. 10 ppm
- B. 30 ppm
- C. 300 ppm
- D. 1000 ppm

10. You should wear eye, head, and face protection if you are working with which of the following tools?

- A. Portable abrasive wheel tools
- B. Electric tools
- C. Pneumatic tools
- D. Liquid fuel tools

11. Which of these is not a power tool safety precaution?

- A. Never carry a tool by the cord or hose.
- B. Never yank the cord or the hose to disconnect it from the receptacle.
- C. Keep tools plugged in when not in use, before servicing, and when changing accessories such as blades, bits and cutters.
- D. Keep cords and hoses away from heat, oil, and sharp edges.

12. Which of the following is not true about powder-actuated tools?

- A. If a powder-actuated tool misfires, you should try to fire it again immediately.
- B. They are so dangerous they can only be powered by specially trained employees.
- C. They should never be loaded unless they are being used immediately.
- D. They require two separate motions for firing -- one to bring to tool into position and another to pull the trigger.



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13. Hydraulic jacks exposed to freezing temperatures must:

- A. Be filled with adequate antifreeze liquid
- B. Be warmed up before use
- C. Be tagged and immediately removed from service
- D. None of the above

14. If you are working near a flammable substance, you should always use iron or steel hand tools.

- A. True
- B. False

15. OSHA requires that electric tools:

- A. Have a three wire cord with ground and be grounded
- B. Be double insulated
- C. Be powered by a low-voltage transformer
- D. Any of the above

16. You should not use a wedge if it has:

- A. Pointed head
- B. Triangular head
- C. Mushroomed head
- D. Flat head

17. The Occupational Safety & Health Administration requires employers to have Hearing Conservation Plans if the average 8-hour noise exposure is more than:

- A. 1000 decibels
- B. 500 decibels
- C. 105 decibels
- D. 85 decibels

18. A normal conversation registers at about:

- A. 0 to 10 decibels
- B. 10 to 20 decibels
- C. 30 to 40 decibels
- D. 50 to 60 decibels

19. Exposure to high levels of noise can lead to which of the following:

- A. High blood pressure
- B. Gastrointestinal problems
- C. Chronic fatigue.
- D. All of the above

20. The most effective way to prevent hearing loss at work is to:

- A. Monitor your hearing loss over time with a routine hearing test
- B. Always wear ear protection everywhere you go
- C. Monitor noise levels through engineering and administrative controls to minimize overexposure
- D. None of the above



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING VALUE ADDED COURSES ON "SAFETY IN ENGINEERING INDUSTRY" Final Assessment Answer All the Questions

14
20

Name: Arun P
Year/semester: 2nd/IV

Total Marks: 20
Time: 1 Hour

1. What violations are most commonly cited by OSHA?

- A. HAZARD communications
 C. Fall protection
 B. Scaffolding
 D. Respiratory protection

2. What is the leading cause of death on construction sites?

- A. Struck by object
 B. Falls
 C. Caught-in or -between
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3. The following symbol is used when something in your workplace is a:



- A. Chemical weapon
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4. Which of the following is not a chemical-related health hazard?

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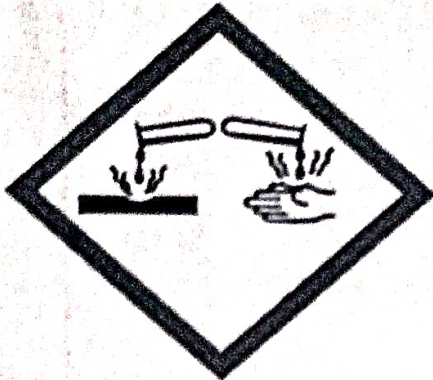


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- D. None of the above



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KOMARAPALAYAM - 637303

DEPARTMENT OF SAFETY AND FIRE ENGINEERING VALUE ADDED COURSES ON "SAFETY IN ENGINEERING INDUSTRY" Final Assessment Answer All the Questions

Name: Akash Krishnan
Year/semester: 3rd / II

Total Marks: 20
Time: 1 Hour

1. What violations are most commonly cited by OSHA?

- A. HAZARD communications
 C. Fall protection
B. Scaffolding
D. Respiratory protection

2. What is the leading cause of death on construction sites?

- A. Struck by object
B. Falls
C. Caught-in or -between
D. Electrocutions.

3. The following symbol is used when something in your workplace is a:



- A. Chemical weapon
 B. Biohazard
C. Toxic Substance
D. Radiation Danger

4. Which of the following is not a chemical-related health hazard?

- A. Carcinogenicity
 B. Reactivity
C. Corrosivity
D. Toxicity

5. If you wanted to convey the most severe type of hazard, which word would you use?

- A. Warning
B. Notice
 C. Danger
D. Caution

6. This symbol means which of the following:



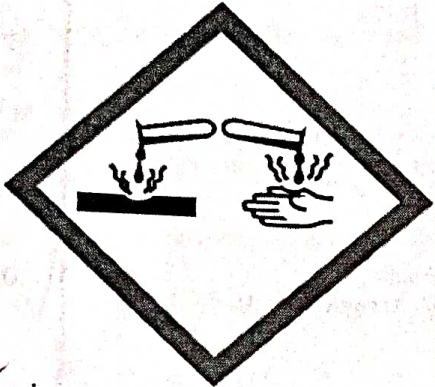
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- A. Danger, ionizing radiation
 - B. Danger, low-hanging and powerful fan
 - C. Danger, risk of frostbite
 - D. None of the above.
7. This hazard symbol is used when something is:



- A. Corrosive
- C. Flammable

- B. Almost empty
- D. Highly acidic

8. If you transfer chemicals from a labeled container to a portable container, you don't need to comply with standard hazardous material labeling requirements when:

- A. You hand the container off to someone else
- B. You leave the work area before using the materials
- C. You don't use the materials before the end of your work shift
- D. None of the above

9. Ammonia becomes an immediate danger to your life and health when it is present at the following level or greater:

- A. 10 ppm
- B. 30 ppm
- C. 300 ppm
- D. 1000 ppm

10. You should wear eye, head, and face protection if you are working with which of the following tools?

- A. Portable abrasive wheel tools
- B. Electric tools
- C. Pneumatic tools
- D. Liquid fuel tools

11. Which of these is not a power tool safety precaution?

- A. Never carry a tool by the cord or hose.
- B. Never yank the cord or the hose to disconnect it from the receptacle.
- C. Keep tools plugged in when not in use, before servicing, and when changing accessories such as blades, bits and cutters.
- D. Keep cords and hoses away from heat, oil, and sharp edges.

12. Which of the following is not true about powder-actuated tools?

- A. If a powder-actuated tool misfires, you should try to fire it again immediately.
- B. They are so dangerous they can only be powered by specially trained employees.
- C. They should never be loaded unless they are being used immediately.
- D. They require two separate motions for firing -- one to bring the tool into position and another to pull the trigger.



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13. Hydraulic jacks exposed to freezing temperatures must:

- A. Be filled with adequate antifreeze liquid
- B. Be warmed up before use
- C. Be tagged and immediately removed from service
- D. None of the above

14. If you are working near a flammable substance, you should always use iron or steel hand tools.

A. True

D. False

15. OSHA requires that electric tools:

- A. Have a three wire cord with ground and be grounded
- B. Be double insulated
- C. Be powered by a low-voltage transformer
- D. Any of the above

16. You should not use a wedge if it has:

- A. Pointed head
- B. Triangular head
- C. Mushroomed head
- D. Flat head

17. The Occupational Safety & Health Administration requires employers to have Hearing Conservation Plans if the average 8-hour noise exposure is more than:

- A. 1000 decibels
- B. 500 decibels
- C. 105 decibels
- D. 85 decibels

18. A normal conversation registers at about:

- A. 0 to 10 decibels
- B. 10 to 20 decibels
- C. 30 to 40 decibels
- D. 50 to 60 decibels

19. Exposure to high levels of noise can lead to which of the following:

- A. High blood pressure
- B. Gastrointestinal problems
- C. Chronic fatigue.
- D. All of the above

20. The most effective way to prevent hearing loss at work is to:

- A. Monitor your hearing loss over time with a routine hearing test
- B. Always wear ear protection everywhere you go
- C. Monitor noise levels through engineering and administrative controls to minimize overexposure
- D. None of the above



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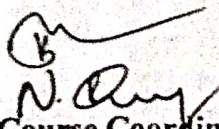
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DEPARTMENT OF SAFETY AND FIRE ENGINEERING
ACADEMIC YEAR 2022-23

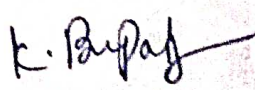
VALUE ADDED COURSE ON "SAFETY IN ENGINEERING INDUSTRY"

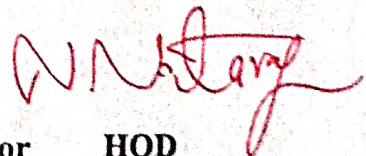
SUMMARY REPORT

Department	Safety and Fire Engineering
Name of the Event	Value added course on - "Safety in Engineering Industry"
Date of the Event	04.02.2023 to 10.02.2023
Venue	Safety & Fire Engineering Laboratory
Name of the Coordinators	Mr.K.Gopalakrishnan, Mr.N.Prithiviraj, Assistant Professor Department of Safety and Fire Engineering.
No of Participants	10
General Remarks	Course Instructor explains about safety in metal and wood working machinery, principles of machine guarding, safety in welding and gas cutting. Also conducted the practical session in manufacturing and special machines lab.


N. Arun
Course Coordinator


S. Suresh
Activity Coordinator


K. Prasad
Department Coordinator


N. Arun
HOD



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CERTIFICATE

OF APPRECIATION

AJITH B

has Completed

Value Added Course on "Safety in Engineering Industry" from 04.02.2023 to 10.02.2023
Organized by Department of Safety and Fire Engineering.

Course Coordinator

Convenor

HoD



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CERTIFICATE

OF APPRECIATION

AKASH KRISHNAN

has Completed

Value Added Course on "Safety in Engineering Industry" from 04.02.2023 to 10.02.2023
Organized by Department of Safety and Fire Engineering.

Course Coordinator

Convener

HoD



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CERTIFICATE

OF APPRECIATION

JOSE ANTONY ADARSH

has Completed

Value Added Course on "Safety in Engineering Industry" from 04.02.2023 to 10.02.2023
Organized by Department of Safety and Fire Engineering.

Course Coordinator

Convenor

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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022 - 2023

**Indirect Assessment of Program Outcomes & Program Specific Outcomes
through Curricular and Extracurricular Activities**

Student Name : P. ARUN

Date: 10/08/2023

Batch : 2021 - 2025

Year/Semester: II / IV

Type of Activity: Value added course / Industrial Visit / Implant Training / Guest Lecturer / Seminar / Conference / Workshop / Design Contest / Project Contest / Sports / Games / Social Activities / Certificate Program / Diploma Course / Hackathon / Ideathon / or any

Organizing Institute: EXCEL ENGINEERING COLLEGE

Place: KOMARAPALAYAM.

Provide your level of attainment for the following questions by ✓ in the given,

[3/2/1 Indicates Level of Attainment; 3 - Very Much, 2 - Moderate, 1 - Some Extent]

1. Does this Activity / Course improve your Technical Skill?

3 2 1

2. Does this Activity / Course improve your Problem Solving Skill?

3 2 1

3. Does this training / Course improve your practical Exposure?

3 2 1

4. Have you learnt any modern tools through this activity/ training?

Yes No if yes name of tool _____

5. Does this activity /training useful to improve your professional ethics?

3 2 1

6. Does this activity /training useful to apply for any modern research programs?

3 2 1

7. Have you got any ideas to improve our environmental & social needs?

3 2 1

8. Have you ever felt that your communication skill & leadership skill has been improved through this activity?

3 2 1

9. Does this Activity / training useful to improve learning attitude with zeal?

3 2 1

10. Does this Activity /training useful for you to work in multi-disciplinary team?

3 2 1

11. Does this Activity /training improve your mind to face any changes in your life?

3 2 1

Any other Comments:

P. Javed

Signature



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022 - 2023

**Indirect Assessment of Program Outcomes & Program Specific Outcomes
through Curricular and Extracurricular Activities**

Student Name : RAJESH R

Date: 10/02/2023

Batch : 2020-2024

Year/Semester: II / -VI

Type of Activity: Value added course / Industrial Visit / Implant Training / Guest Lecturer / Seminar / Conference / Workshop / Design Contest / Project Contest / Sports / Games / Social Activities / Certificate Program / Diploma Course / Hackathon / Ideathon / or any

Organizing Institute: Excel Engineering College

Place: Komarapalayam

Provide your level of attainment for the following questions by ✓ in the given,

[3/2/1 Indicates Level of Attainment; 3 – Very Much, 2 – Moderate, 1 – Some Extent]

1. Does this Activity/ Course improve your Technical Skill?

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3 2 1

11. Does this Activity /training improve your mind to face any changes in your life?

3 2 1

Any other Comments:

P. Ray
Signature



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022 - 2023

**Indirect Assessment of Program Outcomes & Program Specific Outcomes
through Curricular and Extracurricular Activities**

Student Name: Akash. Krishnan

Date: 10/2/2023

Batch : 2020-2024

Year/Semester: III / VI

Type of Activity: Value added course / Industrial Visit / Implant Training / Guest Lecturer / Seminar / Conference / Workshop / Design Contest / Project Contest / Sports / Games / Social Activities / Certificate Program / Diploma Course / Hackathon / Ideathon / or any

Organizing Institute: Excel Engineering college

Place: Komarapalayam

Provide your level of attainment for the following questions by ✓ in the given,

[3/2/1 Indicates Level of Attainment; 3 - Very Much, 2 - Moderate, 1 - Some Extent]

1. Does this Activity / Course improve your Technical Skill?

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2 2 1

11. Does this Activity /training improve your mind to face any changes in your life?

3 2 1

Any other Comments:

Signature 



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022-2023

VALUE ADDED COURSE

ON

"OIL AND GAS OPERATIONAL SAFETY"

COURSE DURATION: 30 HOURS



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Department of Safety and Fire Engineering

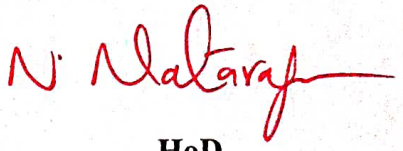
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Ref.No:EEC/SFE/2022-23/VAC-02

Date: 12.03.2023

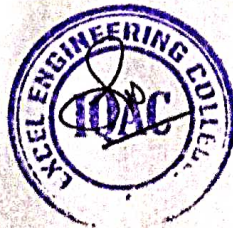
We have planned to conduct a Value Added Course on "Oil and gas operational safety" from 13.03.2023 to 18.03.2023 at Safety and Fire Engineering Laboratory. All the Third and Second Year Students are informed to attend this Course.


Course Coordinator


HoD

CC to:

1. File
2. Overall Activity Coordinator
3. Dept. Notice Board





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DATE

13.03.2023
TO
18.03.2023

DEPARTMENT OF SAFETY & FIRE ENGINEERING

VALUE ADDED COURSE ON OIL AND GAS OPERATIONAL SAFETY

Course Coordinators

Mr.K.Gopalakrishnan

Mr.N.Prithiviraj

Assistant Professor

Excel Engineering College

Theme of the Course

- Hazards inherent
- Hydrocarbon process safety
- Fire and explosion controls in the oil and gas industries
- Marine and Land logistics

Venue: Safety Engineering Practice Lab, Excel Engineering College

Program Coordinators

Mr.K.Gopalakrishnan

Mr.N.Prithiviraj

Assistant Professor

Activity Coordinator

Mr.S.Saravanakumar

Assistant Professor

Convenor

Dr.N.Natarajan, HoD

Department Coordinator

Dr.K.Boopathy





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DEPARTMENT OF SAFETY AND FIRE ENGINEERING
ACADEMIC YEAR 2022-2023

Value Added Course Syllabus

OIL AND GAS OPERATIONAL SAFETY	
Training Period	6 Days (30 Hours)
DAYS	Training Particulars
Day 1	Hazards inherent <ul style="list-style-type: none">✓ Extraction of raw materials and products✓ Storage of raw materials and products✓ Processing of raw materials and products
Day 2	Hydrocarbon process safety <ul style="list-style-type: none">✓ Hydrocarbon leakage and dispersion✓ The combustion behaviour of hydrocarbons✓ Physical operations on hydrocarbons and associated hazards✓ Chemical operations on hydrocarbons and hydrocarbon derivative
Day 3	Contractor management <ul style="list-style-type: none">✓ Pipe line safety-storage and handling of gas cylinders.✓ Market Trading pricing
Day 4	Fire and explosion controls in the oil and gas industries <ul style="list-style-type: none">✓ Fire protection✓ Emergency response
Day 5	Marine and Land logistics <ul style="list-style-type: none">✓ Logistics and✓ Transport operations
Day 6	Practical Session & Feedback <ul style="list-style-type: none">✓ Practical session in chemicals lab✓ Assessment✓ Feedback submission


Course Coordinator


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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR 2022-2023

VALUE ADDED COURSE ON "OIL AND GAS OPERATIONAL SAFETY"

SCHEDULE

DAYS	Training Particulars	Course Instructor
Day 1 (13.03.2023)	Hazards inherent	Mr.K.Gopalakrishnan
Day 2 (14.03.2023)	Hydrocarbon process safety	Mr.N.Prithiviraj
Day 3 (15.03.2023)	Contractor management	Mr.K.Gopalakrishnan
Day 4 (16.03.2023)	Fire and explosion controls in the oil and gas industries	Mr.N.Prithiviraj
Day 5 (17.03.2023)	Marine and Land logistics	Mr.K.Gopalakrishnan
Day 6 (18.03.2023)	Practical Session & Feedback	Mr.N.Prithiviraj


Course Coordinator


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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON "OIL AND GAS OPERATIONAL SAFETY"

COURSE OBJECTIVES:

- Safety assurance and assessment in design and operations.
- It will also explain how to conduct hazard classification and assessments.
- Deal with accident modelling, risk assessment and management
- Different safety measures in design and process operations.
- A few case studies from offshore and petroleum industry will be also discussed
- Address various environmental issues and management that arise from drilling and oil exploration

COURSE OUTCOMES:

- To outline hazards inherent in the extraction, storage and processing of raw materials and products
- To explain risk management techniques used in the oil and gas industries
- To develop Hydrocarbon process safety
- To specify fire and explosion controls in the oil and gas industries.



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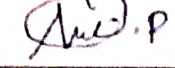
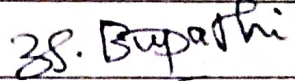
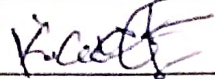

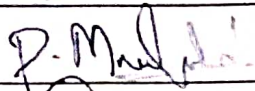

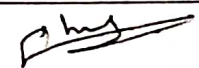
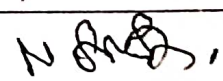
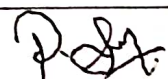
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DEPARTMENT OF SAFETY AND FIRE ENGINEERING
Academic Year 2022-23

Value Added Course – "Oil and Gas Operational Safety"

Student Enrollment List

S.No	Roll No.	Register Number	Name of the Student	Signature
1.	20SF001	730920115001	AARIF SULTHAN J	
2.	20SF002	730920115002	AKASH KRISHNAN	
3.	20SF003	730920115003	BALAKRISHNA S T	
4.	20SF004	730920115004	BEN JACOB FRANCIS	
5.	20SF005	730920115005	DHARMENDRA KUMAR	
6.	20SF006	730920115006	FAHEEM E K	
7.	20SF007	730920115007	FAZALU RAHMAN K	
8.	20SF008	730920115008	JIBIN MATHEW	
9.	20SF009	730920115009	JOSE ANTONY ADARSH	
10.	20SF010	730920115010	JOTHEESWARAN A	
11.	20SF011	730920115011	MUHAMMED ASHMAL P	
12.	20SF012	730920115012	RAJESH R	
13.	20SF013	730920115013	SABESH T	
14.	20SF014	730920115014	SAFARIN S	
15.	20SF015	730920115015	SUGUMAR E	
16.	20SF016	730920115016	SURYAPRAKASH R	
17.	20SF017	730920115017	VIMAL ADHITHAN J	
18.	21LSF018	730920115301	ABIMANYU V	
19.	21LSF019	730920115302	MOHANKUMAR P	
20.	21LSF021	730920115304	RAJKUMAR R	

S.No	Roll No.	Register Number	Name of the Student	Signature
21.	21SF002	730921115002	ALEXPANDIYAN R	
22.	21SF003	730921115003	ARUN P	
23.	21SF004	730921115004	BOOPATHI S	
24.	21SF005	730921115005	GIRITHARAN K	
25.	21SF006	730921115006	IRFAN MUHAMMED ALI	
26.	21SF010	730921115009	MADHAVAN P	
27.	21SF012	730921115011	NANDHA G	
28.	21SF016	730921115015	SHYAM ABHISHIEK C	
29.	21SF017	730921115016	SURESH KUMAR N	
30.	22LSF018	730921115302	SOORIYA PRASATH M.P	


Course Coordinator


HoD



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON

"OIL AND GAS OPERATIONAL SAFETY"

PARTICIPATION LIST/ ATTENDANCE SHEET


Sl. No.	Roll No.	Student Name	Year/Sem.	13.03.2023	14.03.2023	15.03.2023	16.03.2023	17.03.2023	18.03.2023
1	20SF001	AARIF SULTHAN J	III/VI	/	/	/	/	/	/
2	20SF002	AKASH KRISHNAN	III/VI	/	a	/	/	/	/
3	20SF003	BALAKRISHNA S T	III/VI	/	/	/	/	/	/
4	20SF004	BEN JACOB FRANCIS	III/VI	/	/	/	/	/	/
5	20SF005	DHARMENDRA KUMAR	III/VI	/	/	/	/	/	/
6	20SF006	FAHEEM.E.K	III/VI	/	/	/	/	/	/
7	20SF007	FAZALU RAHMAN.K	III/VI	/	/	/	/	/	/
8	20SF008	JIBIN MATHEW	III/VI	/	/	/	/	a	/
9	20SF009	JOSE ANTONY ADARSH	III/VI	/	/	/	/	/	/
10	20SF010	JOTHEESWARAN.A	III/VI	/	/	/	/	/	/
11	20SF011	MUHAMMED ASHMAL	III/VI	/	/	/	/	/	/
12	20SF012	RAJESH.R	III/VI	/	/	/	/	/	/
13	20SF013	SABESH.T	III/VI	/	/	/	/	/	/
14	20SF014	SAFARIN.S	III/VI	/	a	/	/	/	/
15	20SF015	SUGUMAR.E	III/VI	/	/	/	/	/	/
16	20SF016	SURYAPRAKASH.R	III/VI	/	/	/	/	/	/
17	20SF017	VIMAL ADHITHAN.J	III/VI	/	/	/	/	/	/
18	21LSF018	ABIMANYU V	III/VI	/	/	/	/	/	/
19	21LSF019	MOHANKUMAR P	III/VI	/	/	/	/	/	/
20	21LSF021	RAJKUMAR R	III/VI	/	/	/	/	/	/
21	21SF002	ALEXPANDIAN R	II/IV	/	/	/	/	/	/



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22	21SF003	ARUN P	II/IV	/	/	a	/	/	/	
23	21SF004	BOOPATHILS	II/IV	/	/	/	/	/	/	
24	21SF005	GIRITHARAN.K	II/IV	/	/	/	/	/	/	
25	21SF006	IRFAN MUHAMMED ALI	II/IV	/	/	/	/	/	/	
26	21SF010	MADHAVAN.P	II/IV	/	/	/	/	/	/	
27	21SF012	NANDHA.G	II/IV	/	/	/	/	/	/	
28	21SF016	SHYAM ABHISHIEK.C	II/IV	/	/	/	/	/	/	
29	21SF017	SURESHKUMAR.N	II/IV	/	/	/	/	/	/	
30	22LSF018	SOORIYA PRASATH M.P	II/IV	/	/	/	/	/	/	
No of Students Present				30	28	29	30	29	30	
No of Absent				-	2	1	-	1	-	
Course instructor Signature										


Course Coordinator


HoD



EXCEL ENGINEERING COLLEGE (Autonomous)

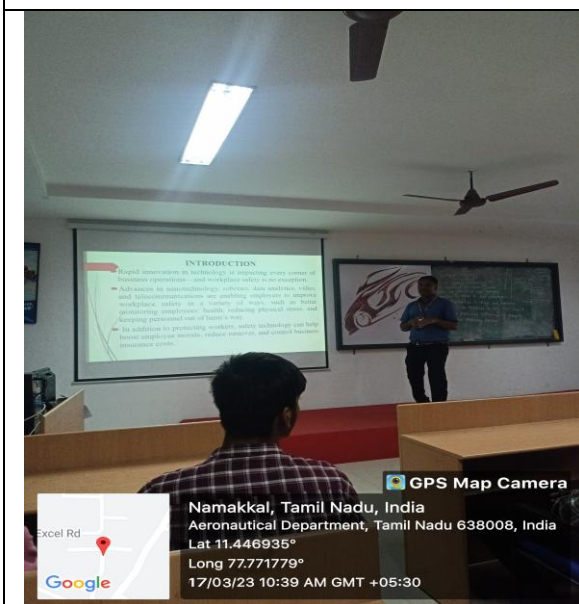
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DEPARTMENT OF SAFETY AND FIRE ENGINEERING ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON

"OIL AND GAS OPERATIONAL SAFETY"

SAMPLE PHOTOS





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DEPARTMENT OF SAFETY AND FIRE ENGINEERING ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON

"OIL AND GAS OPERATIONAL SAFETY"

FINAL ASSESMENT MARK STATEMENT

Sl. No.	Roll No.	Student Name	Year/Sem.	Marks out of 20
1	20SF001	AARIF SULTHAN J	III/VI	17
2	20SF002	AKASH KRISHNAN	III/VI	14
3	20SF003	BALAKRISHNA S T	III/VI	20
4	20SF004	BEN JACOB FRANCIS	III/VI	18
5	20SF005	DHARMENDRA KUMAR	III/VI	17
6	20SF006	FAHEEM.E.K	III/VI	14
7	20SF007	FAZALU RAHMAN.K	III/VI	16
8	20SF008	JIBIN MATHEW	III/VI	13
9	20SF009	JOSE ANTONY ADARSH	III/VI	11
10	20SF010	JOTHEESWARAN.A	III/VI	17
11	20SF011	MUHAMMED ASHMAL	III/VI	18
12	20SF012	RAJESH.R	III/VI	19
13	20SF013	SABESH.T	III/VI	15
14	20SF014	SAFARIN.S	III/VI	12
15	20SF015	SUGUMAR.E	III/VI	19
16	20SF016	SURYAPRAKASH.R	III/VI	16
17	20SF017	VIMAL ADHITHAN.J	III/VI	18
18	21LSF018	ABIMANYU V	III/VI	11
19	21LSF019	MOHANKUMAR P	III/VI	11
20	21LSF021	RAJKUMAR R	III/VI	17
21	21SF002	ALEXPANDIAN R	II/IV	13
22	21SF003	ARUN P	II/IV	14



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23	21SF004	BOOPATHI.S	II/IV	20
24	21SF005	GIRITHARAN.K	II/IV	16
25	21SF006	IRFAN MUHAMMED ALI	II/IV	15
26	21SF010	MADHAVAN.P	II/IV	18
27	21SF012	NANDHA.G	II/IV	19
28	21SF016	SHYAM ABHISHIEK.C	II/IV	14
29	21SF017	SURESHKUMAR.N	II/IV	15
30	22LSF018	SOORIYA PRASATH M P	II/IV	14



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING VALUE ADDED COURSES ON "OIL AND GAS OPERATIONAL SAFETY" Final Assessment Answer All the Questions

Name: BALAKRISHNA ST
Year/semester: III / VI

Total Marks: 20
Time: 1 Hour

1. How many points of contact should you maintain with a ladder at all times?

- A. At least two
- B. At least three
- C. One
- D. Four

2. How often should ladders be inspected?

- A. Before each use
- B. Once a week
- C. Once a month
- D. Every 6 months

3. OSHA prohibits working on a scaffold in the presence of winds above:

- A. 10 mph
- B. 20 mph
- C. 30 mph
- D. 40 mph

4. Ladders should be angled so that the its base is one foot out from the wall foreach _____ feet of a ladder's height.

- A. 2
- B. 4
- C. 8
- D. 10

5. If you fall, you should always try and break your fall with your hands.

- A. True
- B. False

6. OSHA restricts ladders from being higher than:

- A. 20 feet
- B. 15 feet
- C. 12 feet
- D. 10 feet

20/20



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7. If you are driving a forklift and it begins to tip over, you should

- A. Jump out immediately
- B. Stay in the vehicle with your seatbelt unfastened
- C. Stay in the vehicle with your seatbelt fastened
- D. Stand up with a tight grip on the steering wheel

8. A forklift or industrial truck is unattended if the operator is:

- A. More than 25 feet away from the vehicle
- B. More than 18 feet away from the vehicle
- C. More than 8 feet away from the vehicle
- D. More than 3 feet away from the vehicle

9. Which of the following information is *not* found on a forklift nameplate?

- A. Fuel type
- B. Load capacity
- C. Names of licensed operators
- D. Weight of the forklift.

10. While carrying a load downhill on a forklift, you should:

- A. Zig-zag down the hill slowly
- B. Drive forward with the fork pointing downhill
- C. Drive in reverse with the fork pointing uphill
- D. None of the above

11. While lowering a load with a forklift, you should *not* do which of the following?

- A. Tilt the mast backward to stabilize the load
- B. Stop the truck and put the mast to vertical position
- C. Move the truck 8 to 12 feet away from the stack
- D. Lower the load so that its lowest point is 6 to 8 inches from the ground

12. What is OSHA's maximum capacity for a manlift?

- A. 500 lbs, 2 people
- B. 500 lbs, 3 people
- C. 400 lbs, 2 people
- D. 200 lbs, 1 person

13. On which of the following types of surfaces should a Class B fire extinguisher *not* be used?

- A. Paint
- B. Grease
- C. Oil
- D. Plastic



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14. On which of the following types of surfaces should a Class A fire extinguisher not be used?

- A. Cloth
- B. Wood
- C. Paper
- D. Electrical equipment.

15. Which type of fire extinguishing system is most commonly used to protect areas containing valuable equipment such as data processing rooms, telecommunications switches, and process control rooms?

- A. Fixed extinguishing systems
- B. Portable extinguishing systems
- C. Hose extinguishing systems
- D. It's up to the discretion the employer

16. Which class of fire extinguishers should you use on electrically energized fires?

- A. Class A
- B. Class B
- C. Class C
- D. Class D

17. The acronym "PASS" used for fire extinguisher operation stands for:

- A. Pick up, Aim, Squeeze, Squirt
- B. Push, Alarm, Swirl, Sweep
- C. Pull, Aim, Squeeze, Sweep
- D. Pull, Aim, Swirl, Swat

18. If you need to wear glasses with your eye or face protection, which of the following options is acceptable:

- A. Wearing prescription spectacles with side shields and protective lenses that meet safety requirements and also correct your vision
- B. Wearing goggles that fit comfortably over your glasses
- C. Wearing goggles that have corrective lenses mounted behind the protective lenses
- D. All of the above

19. Which helmet provides electrical protection from high-voltage conductors?

- A. Class A helmets
- B. Class B helmets
- C. Class C helmets
- D. Class D helmets

20. Which of the following helmets should you *not* use around electrical hazards?

- A. Class A helmets
- B. Class B helmets
- C. Class C helmets
- D. Class D helmets



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING
VALUE ADDED COURSES ON
"OIL AND GAS OPERATIONAL SAFETY"
Final Assessment
Answer All the Questions

Name: Dharmendra Kumar
Year/semester: 3rd / VII

Total Marks: 20
Time: 1 Hour

18/20

1. How many points of contact should you maintain with a ladder at all times?

- A. At least two
- B. At least three
- C. One
- D. Four

2. How often should ladders be inspected?

- A. Before each use
- B. Once a week
- C. Once a month
- D. Every 6 months

3. OSHA prohibits working on a scaffold in the presence of winds above:

- A. 10 mph
- B. 20 mph
- C. 30 mph
- D. 40 mph

4. Ladders should be angled so that the its base is one foot out from the wall foreach _____ feet of a ladder's height.

- A. 2
- B. 4
- C. 8
- D. 10

5. If you fall, you should always try and break your fall with your hands.

- A. True
- B. False

6. OSHA restricts ladders from being higher than:

- A. 20 feet
- B. 15 feet
- C. 12 feet
- D. 10 feet



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7. If you are driving a forklift and it begins to tip over, you should

- A. Jump out immediately
- B. Stay in the vehicle with your seatbelt unfastened
- C. Stay in the vehicle with your seatbelt fastened
- D. Stand up with a tight grip on the steering wheel

8. A forklift or industrial truck is unattended if the operator is:

- A. More than 25 feet away from the vehicle
- B. More than 18 feet away from the vehicle
- C. More than 8 feet away from the vehicle
- D. More than 3 feet away from the vehicle

9. Which of the following information is *not* found on a forklift nameplate?

- A. Fuel type
- B. Load capacity
- C. Names of licensed operators
- D. Weight of the forklift.

10. While carrying a load downhill on a forklift, you should:

- A. Zig-zag down the hill slowly
- B. Drive forward with the fork pointing downhill
- C. Drive in reverse with the fork pointing uphill
- D. None of the above

11. While lowering a load with a forklift, you should *not* do which of the following?

- A. Tilt the mast backward to stabilize the load
- B. Stop the truck and put the mast to vertical position
- C. Move the truck 8 to 12 feet away from the stack
- D. Lower the load so that its lowest point is 6 to 8 inches from the ground

12. What is OSHA's maximum capacity for a manlift?

- A. 500 lbs, 2 people
- B. 500 lbs, 3 people
- C. 400 lbs, 2 people
- D. 200 lbs, 1 person

13. On which of the following types of surfaces should a Class B fire extinguisher *not* be used?

- A. Paint
- B. Grease
- C. Oil
- D. Plastic



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14. On which of the following types of surfaces should a Class A fire extinguisher not be used?

- A. Cloth
- B. Wood
- C. Paper
- D. Electrical equipment.

15. Which type of fire extinguishing system is most commonly used to protect areas containing valuable equipment such as data processing rooms, telecommunications switches, and process control rooms?

- A. Fixed extinguishing systems
- B. Portable extinguishing systems
- C. Hose extinguishing systems
- D. It's up to the discretion the employer

16. Which class of fire extinguishers should you use on electrically energized fires?

- A. Class A
- B. Class B
- C. Class C
- D. Class D

17. The acronym "PASS" used for fire extinguisher operation stands for:

- A. Pick up, Aim, Squeeze, Squirt
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18. If you need to wear glasses with your eye or face protection, which of the following options is acceptable:

- A. Wearing prescription spectacles with side shields and protective lenses that meet safety requirements and also correct your vision
- B. Wearing goggles that fit comfortably over your glasses
- C. Wearing goggles that have corrective lenses mounted behind the protective lenses
- D. All of the above

19. Which helmet provides electrical protection from high-voltage conductors?

- A. Class A helmets
- B. Class B helmets
- C. Class C helmets
- D. Class D helmets

20. Which of the following helmets should you *not* use around electrical hazards?

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DEPARTMENT OF SAFETY AND FIRE ENGINEERING VALUE ADDED COURSES ON "OIL AND GAS OPERATIONAL SAFETY" Final Assessment Answer All the Questions

Name: ARUN
Year/semester: II/IV

Total.Marks:20
Time: 1 Hour

19/20

1. How many points of contact should you maintain with a ladder at all times?

- A. At least two
- B. At least three
- C. One
- D. Four

2. How often should ladders be inspected?

- A. Before each use
- B. Once a week
- C. Once a month
- D. Every 6 months

3. OSHA prohibits working on a scaffold in the presence of winds above:

- A. 10 mph
- B. 20 mph
- C. 30 mph
- D. 40 mph

4. Ladders should be angled so that the its base is one foot out from the wall foreach _____feet of a ladder's height.

- A. 2
- B. 4
- C. 8
- D. 10

5. If you fall, you should always try and break your fall with your hands.

- A. True
- B. False

6. OSHA restricts ladders from being higher than:

- A. 20 feet
- B. 15 feet
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12. What is OSHA's maximum capacity for a manlift?

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- A. Paint
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14. On which of the following types of surfaces should a Class A fire extinguisher not be used?

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- B. Wood
- C. Paper
- D. Electrical equipment.

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- C. Pull, Aim, Squeeze, Sweep
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DEPARTMENT OF SAFETY AND FIRE ENGINEERING ACADEMIC YEAR 2022-23

VALUE ADDED COURSE ON

"OIL AND GAS OPERATIONAL SAFETY"

SUMMARY REPORT

Department	Safety and Fire Engineering
Name of the Event	Value added course on - "Oil and gas operational safety"
Date of the Event	13.03.2023 to 18.03.2023
Venue	Safety & Fire Engineering Laboratory
Name of the Coordinators	Mr.K.Gopalakrishnan, Mr.N.Prithiviraj, Assistant Professor Department of Safety and Fire Engineering.
No of Participants	30
General Remarks	Course Instructor explains about hazards inherent in the extraction, storage and processing of raw materials and products, risk management techniques used in the oil and gas industries, hydrocarbon process safety, fire and explosion controls in the oil and gas industries.


Course Coordinator


Activity Coordinator


HOD



**EXCEL ENGINEERING COLLEGE
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Certificate of Appreciation



NANDHA G

has Completed

Value Added Course on “**Oil and Gas Operational Safety**” from 13.03.2023 to 18.03.2023 Organized by Department of Safety and Fire Engineering.

COURSE COORDINATOR

CONVENOR

HOD



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Certificate of Appreciation



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

SUGUMAR E

has Completed

Value Added Course on “Oil and Gas Operational Safety” from 13.03.2023 to
18.03.2023 Organized by Department of Safety and Fire Engineering.

COURSE COORDINATOR

CONVENOR

HOD



**EXCEL ENGINEERING COLLEGE
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Certificate of Appreciation



GIRITHARAN K

has Completed

Value Added Course on “Oil and Gas Operational Safety” from 13.03.2023 to 18.03.2023 Organized by Department of Safety and Fire Engineering.

COURSE COORDINATOR

CONVENOR

HOD



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022 - 2023

Indirect Assessment of Program Outcomes & Program Specific Outcomes
through Curricular and Extracurricular Activities

Student Name : NANTHA

Date: 18/03/23

Batch : 2021-2025

Year/Semester: 1st/4

Type of Activity: Value added course / Industrial Visit / Implant Training / Guest Lecturer / Seminar / Conference / Workshop / Design Contest / Project Contest / Sports / Games / Social Activities / Certificate Program / Diploma Course / Hackathon / Ideathon / or any

Organizing Institute: EXCEL ENGINEERING COLLEGE

Place: KOMARA PALAYAM

Provide your level of attainment for the following questions by ✓ in the given

[3/2/1 Indicates Level of Attainment; 3 – Very Much, 2 – Moderate, 1 – Some Extent]

1. Does this Activity/ Course improve your Technical Skill?

3 2 1

2. Does this Activity / Course improve your Problem Solving Skill?

3 2 1

3. Does this training / Course improve your practical Exposure?

3 2 1

4. Have you learnt any modern tools through this activity/ training?

Yes No if yes name of tool _____

5. Does this activity /training useful to improve your professional ethics?

3 2 1

6. Does this activity /training useful to apply for any modern research programs?

3 2 1

7. Have you got any ideas to improve our environmental & social needs?

3 2 1

8. Have you ever felt that your communication skill & leadership skill has been improved through this activity?

3 2 1

9. Does this Activity / training useful to improve learning attitude with zeal?

3 2 1

10. Does this Activity /training useful for you to work in multi-disciplinary team?

3 2 1

11. Does this Activity /training improve your mind to face any changes in your life?

3 2 1

Any other Comments:

NO

Namela Gz
Signature



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DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022 - 2023

Indirect Assessment of Program Outcomes & Program Specific Outcomes through Curricular and Extracurricular Activities

Student Name : *SUGUMAR.E*

Date: *18/3/23*

Batch : *2020-2024*

Year/Semester: *103/06*

Type of Activity: Value added course / Industrial Visit / Implant Training / Guest Lecturer / Seminar / Conference / Workshop / Design Contest / Project Contest / Sports / Games / Social Activities / Certificate Program / Diploma Course / hackathon / Ideathon / or any

Organizing Institute: *Excel Engineering College*

Place: *Komarapalayam*

Provide your level of attainment for the following questions by in the given

[3/2/1 Indicates Level of Attainment; 3 – Very Much, 2 – Moderate, 1 – Some Extent]

1. Does this Activity/ Course improve your Technical Skill?

3 2 1

2. Does this Activity /Course improve your Problem Solving Skill?

3 2 1

3. Does this training / Course improve your practical Exposure?

3 2 1

4. Have you learnt any modern tools through this activity/ training?

Yes No if yes name of tool _____

5. Does this activity /training useful to improve your professional ethics?

3 2 1

6. Does this activity /training useful to apply for any modern research programs?

3 2 1

7. Have you got any ideas to improve our environmental & social needs?

3 2 1

8. Have you ever felt that your communication skill & leadership skill has been improved through this activity?

3 2 1

9. Does this Activity / training useful to improve learning attitude with zeal?

3 2 1

10. Does this Activity /training useful for you to work in multi-disciplinary team?

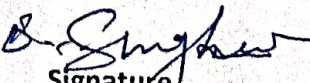
3 2 1

11. Does this Activity /training improve your mind to face any changes in your life?

3 2 1

Any other Comments:

No


Signature



EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (AERO, CSE, ECE&MECH), NAAC with "A+" and Recognized by UGC (2f & 12B)

KOMARAPALAYAM – 637303

DEPARTMENT OF SAFETY AND FIRE ENGINEERING

ACADEMIC YEAR: 2022 - 2023

Indirect Assessment of Program Outcomes & Program Specific Outcomes through Curricular and Extracurricular Activities

Student Name : Dharmendra Kumar

Date: 18/3/2023

Batch : 2020-2024

Year/Semester: I ~~II~~ / ~~III~~ / ~~IV~~

Type of Activity: Value added course / Industrial Visit / Implant Training / Guest Lecturer / Seminar / Conference / Workshop / Design Contest / Project Contest / Sports / Games / Social Activities / Certificate Program / Diploma Course / Hackathon / Ideathon / or any

Organizing Institute: EXCEL ENGINEERING COLLEGE

Place: KOMARAPALAYAM

Provide your level of attainment for the following questions by ✓ in the given

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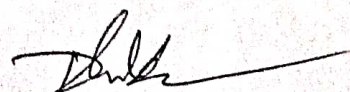
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