



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

DEPARTMENT OF MECHANICAL ENGINEERING

Course Code: 18ME753

Course Teacher: Kiran.C.H

Course Outcomes: After studying this course, students will be able to,

SEMESTER-VII

Course Name: INDUSTRIAL SAFETY

Academic year : 2023-24

CO Numbers	Course Outcomes	Blooms Level	Target Level
CO1	Understand the basic safety terms , international standards, to Identify the hazards , Risk analysis , and Sign boards around the work and environment.	Understand (Level 2)	60%
CO2	Recognise the types of fires extinguishers and the Fire hazards for its prevention and control	Understand (Level 2)	60%
CO3	Understand the mechanical hazards that occur in workshops and machine shops, along with how to prevent and control them.	Understand (Level 2)	60%
CO4	Understand the Electrical hazards that occur in work environment, along with how to prevent and control them.	Understand (Level 2)	60%
CO5	Understand the Chemical hazards that occur in work environment, along with how to prevent and control them.	Understand (Level 2)	60%

CO-PO/PSO Mapping Matrix:

CO Numbers	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1		3				2	2		2	2			1	1
CO2						3	3		2	2			1	1
CO3						3	3		2	2			1	1
CO4						2	2		2	2			1	1
CO5						2	2		2	2			1	1

CO-PO/PSO Mapping Matrix Justification: Students can.

CO Numbers	PO's	LEVEL	Justification
CO1	2	Apply	Student able identify & analyse problems related to hazards & can arrive at conclusions
	6	Understand	Student could assess societal health and safety issues.
	7	Understand	Students will be able to judge the impact of hazards on society and environment
	9	Understand	Students can function effectively as an individual
	10	Understand	With the knowledge gained they could effectively communicate with the society & effectively prepare reports and design documentation.
CO2	6	Apply	Student could assess societal health and Fire safety issues.
	7	Apply	Students will be able to judge the impact of hazards on society and environment
	9	Understand	Students can function effectively as an individual
	10	Understand	With the knowledge gained they could effectively communicate with the society & effectively prepare reports and design documentation.
CO3	6	Apply	Student could assess societal health and Mechanical safety issues.
	7	Apply	Students will be able to judge the impact of hazards on society and environment
	9	Understand	Students can function effectively as an individual
	10	Understand	With the knowledge gained they could effectively communicate with the society & effectively prepare reports and design documentation.
CO4	6	Understand	Student could assess societal health and Electrical safety issues.
	7	Understand	Students will be able to judge the impact of hazards on society and environment
	9	Understand	Students can function effectively as an individual




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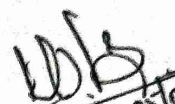
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CO5	10	Understand	With the knowledge gained they could effectively communicate with the society & effectively prepare reports and design documentation.
	6	Understand	Student could assess societal health and Chemical safety issues.
	7	Understand	Students will be able to judge the impact of hazards on society and environment
	9	Understand	Students can function effectively as an individual
	10	Understand	With the knowledge gained they could effectively communicate with the society & effectively prepare reports and design documentation.


Course Teacher
Signature with date


IQAC Member
Signature with date


H.O.D.
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