



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Industrial Safety and Fire Safety Engineering

### Semester – III

#### Scheme of Studies :

Session-2021-22

S. No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Civil Engineering	2129371 (020)	Fire Safety Engineering-I	2	-	1	3
2	Civil Engineering	2129372 (020)	Fire Codes and Standard	2	-	1	3
3	Civil Engineering	2129373 (020)	Industrial Safety Management	2	-	1	3
4	Civil Engineering	2129374 (020)	Safety in Construction	2	-	1	3
5	Civil Engineering	2129375 (020)	Mines Hazard & Safety	3	-	1	4
6	Civil Engineering	2129361 (020)	Fire Safety Engineering-I (Lab)	-	2	-	1
7	Civil Engineering	2129362 (020)	Safety in Construction (Lab)	-	2	-	1
8	Civil Engineering	2129363 (020)	Industrial Safety Management (Lab)	-	2	-	1
9	Civil Engineering	2129364 (020)	Mines Hazard & Safety (Lab)	-	2	-	1
10	-	-	Library	-	2	-	0
11	Humanities	-	Health, Hygiene & Yoga	-	7	-	0
<b>Total</b>				<b>11</b>	<b>17</b>	<b>05</b>	<b>20</b>

L- Lecture

T- Tutorial

P- Practical

Lecture (L)→ CL Classroom Instruction (Includes different instructional Strategies i.e. Lecture and others).

Practical (P)→ Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T)→ Includes sessional work (SW) (assignment, seminar, mini project etc), Self Learning (SL).



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Industrial Safety and Fire Safety Engineering

### Semester – III

Scheme of Examination:

Session-2021-22

S. No.	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Civil Engineering	2129371 (020)	Fire Safety Engineering-I	70	20	30	-	-	120
2	Civil Engineering	2129372 (020)	Fire Codes and Standard	70	20	30	-	-	120
3	Civil Engineering	2129373 (020)	Industrial Safety Management	70	20	30	-	-	120
4	Civil Engineering	2129374 (020)	Safety in Construction	70	20	30	-	-	120
5	Civil Engineering	2129375 (020)	Mines Hazard & Safety	70	20	30	-	-	120
6	Civil Engineering	2129361 (020)	Fire Safety Engineering-I (Lab)	-	-	-	40	60	100
7	Civil Engineering	2129362 (020)	Safety in Construction (Lab)	-	-	-	40	60	100
8	Civil Engineering	2129363 (020)	Industrial Safety Management (Lab)	-	-	-	40	60	100
9	Civil Engineering	2129364 (020)	Mines Hazard & Safety (Lab)	-	-	-	40	50	100
10	Humanities	-	Health, Hygiene & Yoga	-	-	-	-	-	-
<b>Total</b>				<b>350</b>	<b>100</b>	<b>150</b>	<b>160</b>	<b>240</b>	<b>1000</b>

**ESE:** End semester exam

**CT:** Class Test

**TA:** Teachers Assessment

**Note:-**

- TA in theory includes sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% total respectively.
- TA in Practical includes performance of PRA, PDA and Viva- Voice with weightage of 50%, 40% and 10% of total respectively.
- 85% attendance is essential in theory & Practical classes appear in examination.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Industrial Safety and Fire Safety Engineering

### Semester – IV

Scheme of Studies :

Session-2021-22

S. No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Civil Engineering	2129471 (020)	Fire Safety Engineering–II	2	-	1	3
2	Civil Engineering	2129472 (020)	Legal Provision on Safety Health and Environment	3	-	1	4
3	Civil Engineering	2129473 (020)	Occupational Health and Hygiene	2	-	1	3
4	Civil Engineering	2129474 (020)	Safety in Engineering Industry	2	-	1	3
5	Civil Engineering	2129475 (020)	Safety in Chemical Industry	2	-	1	3
6	Civil Engineering	2129461 (020)	Fire Safety Engineering–II (Lab)	-	2	-	1
7	Civil Engineering	2129462 (020)	Occupational Health and Hygiene (Lab)	-	2	-	1
8	Civil Engineering	2129463 (020)	Safety in Engineering Industry (Lab)	-	2	-	1
9	Civil Engineering	2129464 (020)	Minor Project	-	2	-	1
10	-	-	Library	-	2	-	0
11	-	-	Sports	-	5	-	0
<b>Total</b>				<b>11</b>	<b>15</b>	<b>05</b>	<b>20</b>

L- Lecture

T- Tutorial

P- Practical

Lecture (L)→ CL Classroom Instruction (Includes different instructional Strategies i.e. Lecture and others).

Practical (P)→ Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T)→ Includes sessional work (SW) (assignment, seminar, mini project etc), Self Learning (SL).



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Industrial Safety and Fire Safety Engineering

### Semester – IV

Scheme of Examination:

Session-2021-22

S. No.	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Civil Engineering	2129471 (020)	Fire Safety Engineering–II	70	20	30	-	-	120
2	Civil Engineering	2129472 (020)	Legal Provision on Safety Health and Environment	70	20	30	-	-	120
3	Civil Engineering	2129473 (020)	Occupational Health and Hygiene	70	20	30	-	-	120
4	Civil Engineering	2129474 (020)	Safety in Engineering Industry	70	20	30	-	-	120
5	Civil Engineering	2129475 (020)	Safety in Chemical Industry	70	20	30	-	-	120
6	Civil Engineering	2129461 (020)	Fire Safety Engineering–II (Lab)	-	-	-	40	60	100
7	Civil Engineering	2129462 (020)	Occupational Health and Hygiene (Lab)	-	-	-	40	60	100
8	Civil Engineering	2129463 (020)	Safety in Engineering Industry (Lab)	-	-	-	40	60	100
9	Civil Engineering	2129464 (020)	Minor Project	-	-	-	40	60	100
10	-	-	Library	-	-	-	-	-	-
11	-	-	Sports	-	-	-	-	-	-
<b>Total</b>				<b>350</b>	<b>100</b>	<b>150</b>	<b>160</b>	<b>240</b>	<b>1000</b>

**ESE:** End semester exam

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# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Industrial Safety and Fire Safety Engineering

### Semester – V

#### Scheme of Studies:

Session-2021-22

S. No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Civil Engineering	2129571 (020)	Fire Safety Engineering-III	2	-	1	3
2	Civil Engineering	2129572 (020)	Hazard Identification and Risk Assessment	3	-	1	4
3	Electrical Engineering	2129573 (020)	Electrical System Safety	2	-	1	3
4	Civil Engineering	2129574 (020)	Industrial Environmental and Pollution Control	2	-	1	3
5	Civil Engineering	2129575 (020)	Disaster Management and Emergency Planning	2	-	1	3
6	Civil Engineering	2129561 (020)	Fire Safety Engineering-III (Lab)	-	2	-	1
7	Electrical Engineering	2129562 (020)	Electrical System Safety (Lab)	-	2	-	1
8	Civil Engineering	2129563 (020)	Industrial Environmental and Pollution Control (Lab)	-	2	-	1
9	Civil Engineering	2129564 (020)	Industrial Training-I (Lab)	-	2	-	1
10	Mandatory Course	-	Fire Ground Operation	2	-	-	-
<b>Total</b>				<b>13</b>	<b>08</b>	<b>05</b>	<b>20</b>

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T- Tutorial,

P- Practical,

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# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Industrial Safety and Fire Safety Engineering

### Semester – V

#### Scheme of Examination:

Session-2021-22

S. No.	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Civil Engineering	2129571 (020)	Fire Safety Engineering-III	70	20	30	-	-	120
2	Civil Engineering	2129572 (020)	Hazard Identification and Risk Assessment	70	20	30	-	-	120
3	Civil Engineering	2129573 (020)	Electrical System Safety	70	20	30	-	-	120
4	Civil Engineering	2129574 (020)	Industrial Environmental and Pollution Control	70	20	30	-	-	120
5	Civil Engineering	2129575 (020)	Disaster Management and Emergency Planning	70	20	30	-	-	120
6	Civil Engineering	2129561 (020)	Fire Safety Engineering-III (Lab)	-	-	-	40	60	100
7	Civil Engineering	2129562 (020)	Electrical System Safety (Lab)	-	-	-	40	60	100
8	Civil Engineering	2129563 (020)	Industrial Environmental and Pollution Control (Lab)	-	-	-	40	60	100
9	Civil Engineering	2129564 (020)	Industrial Training (Lab)	-	-	-	40	60	100
10	Mandatory Course	-	Fire Ground Operation	-	-	-	-	-	-
<b>Total</b>				<b>350</b>	<b>100</b>	<b>150</b>	<b>160</b>	<b>240</b>	<b>1000</b>

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