

## SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Kaikkurichi, Pudukkottai -622 303

www.sbec.edu.in

### **NAAC DOCUMENTS**



Quality Indicator Frame Work

Criterion – 2

Teaching-Learning and Evaluation

Submitted by

IQAC
Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2 Teaching-Learning and Evaluation 350

**Key Indicator- 2.3. Teaching- Learning Process (40)** 

# 2022-2023 PARTICIPATIVE LEARNING CIVIL ENGINEERING

Activity	Number of Students Attended	Page No.
Value Added Course (VAC)	49	3
Conference and Symposium	13	79
TOTAL STUDENTS ATTENDED	62	-

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2

**Teaching-Learning and Evaluation** 

**350** 

**Key Indicator- 2.3. Teaching- Learning Process (40)** 

2022-2023

# CIVIL ENGINEERING PARTICIPATIVE LEARNING VALUE ADDED COURSE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### **ACADEMIC YEAR 2022-2023 / ODD SEMESTER**

Date: 29/06 /2022

#### **DEPARTMENT CIRCULAR**

It is planned to conduct Value added course offered by the Department of Civil Engineering for all Second, Third & Final year Civil Engineering students on "Construction Safety and Practices" in association with Kamaal Constructions from 3.8.2022 to 9.8.2022. Certificates will be issued to the eligible participants at the end of the Course. The resource person details are shown in the following table.

S.No.		Resource Person
1.	Construction Safety and Practices	Er.S.Rawuther Appa B.E., M.Sc(Rev)., Senior Engineer, Kamaal Constructions, Aranthangi.

Cc:

· Principal's Office

IQAC Coordinator

· Class In charges - II, III & IV-year of Civil Engineering

• II, III & IV-year Civil Engineering Students

Notice Board

HoD/Civil 16 22 HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kakkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

#### Value Added Course on "Construction Safety and Practices"

#### **SYLLABUS**

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to construction industry and safety issues in construction	3	03.08.2022
2	Framing of contract conditions on safety and related matters	3	03.08.2022
3	Safety in various construction operations	3	04.08.2022
4	Familiarization with relevant Indian Standards and the National Building Code provisions on construction safety	3	04.08.2022
5	Material handling and equipment's-Safety in storage & stacking of construction materials	3	05.08.2022
6	Safety in temporary power supply and fire safety at construction site.	3	05.08.2022
7	Licensing of Contractors, Welfare and Health provisions in the Act and the Rules, Penalties, Rules regarding wages.	3	08.08.2022
8	Indian standard - trusses, girders and beams	3	08.08.2022
9	Code of Practices - Preventive measures against Hazards at work places Part 1 & 2	6	09.08.2022
10	Indian standard - Scaffolding	6	10.08.2022
74:15	Total Hours	36	

**VAC** Coordinator

HOD / CIVIL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN

KAIKKURICHI,

Dr. S.THILAGAVATHI M.E., Ph.D. PUDUKKOTTAI - 622 303 **PRINCIPAL** 

SRI BHARATHI ENGINEERING **COLLEGE FOR WOMEN** Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

## ACADEMIC YEAR 2022-2023 (ODD SEM) STUDENTS PARTICIPATION LIST-VAC PROGRAM CONSTRUCTION SAFETY AND PRACTICES

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/BRANCH
1:	912621103001	AKILA G	II/CIVIL
2	912621103002	GAYATHRI G	II/CIVIL
3	912621103003	JAYABHARATHI R	II/CIVIL
4	912621103004	JAYA MANOHARI B	II/CIVIL
5	912621103005	PRIYADHARSHINI A	II/CIVIL
6	912621103006	RABIA BANU M	II/CIVIL
7	912621103007	SHERLIN KAVYA B	II/CIVIL
8	912621103301	JENIFAR A	II/CIVIL
9 8	912621103302	KALAIARASI G	II/CIVIL
10	912620103001	ASWINI T	III/CIVIL
11	912620103002	<b>СЕЕТНА М</b>	III/CIVIL
12	912620103003	KEERTHI S	III/CIVIL
13	912620103004	SUBATHRA S	III/CIŲIL
14	912620103301	BHAVANI S	III/CIVIL
15	912620103302	MEGALA V	III/CIVIL
16	912619103001	AJITHA T	IV/CIVIL
17	912619103002	ARULJENIFAR C	IV/CIVIL
18	912619103003	DIVYA V	IV/CIVIL

Dr. S.THILAGAVATNI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.

19	912619103004	MANGAIYARKARASI G	IV/CIVIL
20	912619103005	MUTHULAKSHMI S	IV/CIVIL
21	912619103006	PRAVEENA S	IV/CIVIL
22	912619103007	PRIYADHARSHINI K	IV/CIVIL
23	912619103009	RAGAVI V	IV/CIVIL
24	912619103301	LILLY JOHN J	IV/CIVIL
25	912619103302	BHUVANI S	IV/CIVIL

**VAC** Coordinator

HOD / CIVIL SRI DILLOATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI. PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2022-2023 (ODD SEM)

#### ATTENDANCE SHEET FOR VALUE ADDED COURSE- CONSTRUCTION SAFETY AND PRACTICES

S.NO	REG.NO	NAME OF THE	YEAR/		TE: 08.22		TE: 08.22		TE: 08.22	1-00000	TE: 08.22		TE: 08.22		TE: 08.22	NO OF SESSIONS	SIGNATURE OF THE
	ielselefolog	STUDENT	BRANCH	FN	AN	FN	AN	FN	AN .	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT
1	912621103001	AKILA G	II/CIVIL	1	1	1	1	1	1	1	./	1	1	1	1	12	4 Akily
2	912621103002	GAYATHRI G	II/CIVIL	1	a	1	1	1	1	1	a	,	1	1	1	10	G. Gaspthin
3	912621103003	JAYABHARATHI R	II/CIVIL	1	,	1	1	1	1	1	,	,	1	1	1	12	R. Tayabha
4	912621103004	JAYA MANOHARI B	II/CIVIL	1	1	1	1	1	1	1	1	1	,	1	1	12	B. Juli Gaith
5	912621103005	PRIYADHARSHINI A	II/CIVIL	1	1	1	1	1	a	1	1	1	,	1	1	-11	June 2001 A.
6	912621103006	RABIA BANU M	II/CIVIL	1	1	1	1	1	1	1	a	1	1	1	1	11	M. RaBury
7	912621103007	SHERLIN KAVYA B	II/CIVIL	1	1	1	1	1	1	1	1	1	,	1	1	12	B. Shif.
8	912621103301	JENIFAR A	II/CIVIL	1	a	1	1	1	1	1	1	,	a	1	,	10	A. Fant
9	912621103302	KALAIARASI G	II/CIVIL	1	,	1	1	,	1	1	1	,	1	1	a		Gt. Kalajaves
10	912620103001	ASWINI T	III/CIVIL	1	,	1	a	1	1	1	1	1	1	1	1	1)	T. Aswin
11	912620103002	GEETHA M	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	M. G. tha

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

12	912620103003	KEERTHI S	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	a	1)	S. Kouthi
13	912620103004	SUBATHRA S	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	^	12	3 · Subathy
14	912620103301	BHAVANI S	III/CIVIL	1	a	1	1	1	1	1	1	1	1	1	1	1)	3
15	912620103302	MEGALA V	III/CIVIL	1	1	1	1	1	1	1	1	1	a	1	1	()	v. negl
16	912619103001	AJITHA T	IV/CIVIL	1	1	1	1	1	1	1	a	1	1	1	1	1)	Ajetha
17	912619103002	ARULJENIFAR C	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	Pi
18	912619103003	DIVYA V	IV/CIVIL	1	1	1	1	1	a	1	a	1	1	1	1	10	Dunya
19	912619103004	MANGAIYARKARASI G	IV/CIVIL	1	1	1	1	1	1	1	1	1	a	1	a	10	Markonjar
20	912619103005	MUTHULAKSHMI S	IV/CIVIL	1	1	1	1	1	,	1	1	1	1	1	1	12	Mens
21	912619103006	PRAVEENA S	IV/CIVIL	1	1	1	a	1	1	1	1	1	1	1	1	11	Decemen
22	912619103007	PRIYADHARSHINI K	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	Paringa
23	912619103009	RAGAVI V	IV/CIVIL	-1	1	1	1	1	1	1	1	1	1	1	1	12	Raciani
24	912619103301	LILLY JOHN J	IV/CIVIL	1	1	1	a	1	1-	1	1	1	1	1	1	11	4mm
25	912619103302	BHUVANI S	IV/CIVIL	1	1	1	1	1	a	1	1	1	1	1	a	10	Been

VAC Coordinator

HoD/Civil HOD / CIVIL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

**SRI BHARATHI ENGINEERING** COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### **Report on Value Added Course**

Title:

Construction Safety and Practices

Resource Person:

Er.S.Rawuther Appa B.E., M.Sc(Rev).,

Senior Engineer,

Kamaal Constructions.

Aranthangi.

Date of conduct from:

03.08.2022

To: 09.08.2022 Duration: 36 Hours

Organized Department:

**CIVIL ENGINEERING** 

Participant Year:

2, 3, 4

Semester:

ODD

No. of Students Registered:

25

Venue:

First Floor - Lecture Hall: 30

#### Outcome of Value Added Course (VAC): At the end of the Course, Students can able to

- Know real-world examples of on-the-job safety and health issues
- protect themselves and others from accidental deaths and injuries.
- understand hazards in the workplace can be controlled.
- learn and practice the skills they will need in the workplace.
- receive required training on equipment they will use, and work processes they will perform
- Develop a foundational understanding of safety systems.

No. of students successfully completed the VAC course is 25 students based on the following assessment process.

#### **Assessment Process**

- Students securing more than 60% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 \*Attendance in VAC out of 100 percentage + 0.5 \*Test mark in VAC out of 100 marks)

Coordinator

COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303 Principal

HIENGINEERING SRI BHARATH COLLEGE FOR WOMEN KAIKKURICHI - 622 303.

PUDUKKOTTAI DISTRICT

Dr. S. THILAGAVATHI M.E., Ph.D., SRI BHARATHI ENGIN**EERING** 

COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.



## KAMAAL CONSTRUCTION

24/4, Athippa Complex, Bharathidasan Street, Aranthangi-614616

Er. S. Rawuther Appa B. E., M. Sc. (REV)

Licensed Building Surveyor

## CERTIFICATE OF PARTICIPATION

This is to certify that Ms.Ajitha T of IV Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai has successfully completed the Value Added course on "Construction Safety and Practices" conducted from 03.08.2022 to 09.08.2022 (6days) during the Academic year 2022-2023.

Dr. S.THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. Er. S. Rawuther Appa B. E., M. Sc. (REV) Licensed Building Surveyor



24/4, Athippa Complex, Bharathidasan Street, Aranthangi-614616

Er. S. Rawuther Appa B. E., M. Sc. (REV)

Licensed Building Surveyor

## CERTIFICATE OF PARTICIPATION

This is to certify that Ms. Aswini T of III Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai has successfully completed the Value Added course on "Construction Safety and Practices" conducted from 03.08.2022 to 09.08.2022 (6days) during the Academic year 2022-2023.

Dr. S.THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

Er. S. Rawuther Appa B. E., M. Sc. (REV) Licensed Building Surveyor



## KAMAAL CONSTRUCTION

24/4, Athippa Complex, Bharathidasan Street, Aranthangi-614616

Er. S. Rawuther Appa B. E., M. Sc. (REV)

Licensed Building Surveyor

## CERTIFICATE OF PARTICIPATION

This is to certify that Ms.Jayabharathi R of II Year B.E.-Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai has successfully completed the Value Added course on "Construction Safety and Practices" conducted from 03.08.2022 to 09.08.2022 (6days) during the Academic year 2022-2023.

Dr. S.THILAGAVATHI M.E.,Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. Signature

Er. S. Rawuther Appa B. E., M. Sc. (REV) Licensed Building Surveyor



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### **ACADEMIC YEAR 2022-2023 / ODD SEMESTER**

Na	ame of the Student:	Year/Sem:
Αl	J Register Number:	a ma ha suma Gaileinhat ade to maidW 2
	Value Added Course on "Constr	uction Safety and Practices"
	MCQ QUESTIONS	25X4 = 100  Marks)
1.	While using ladder one should not lean sideways	s more than
	a) 40 cms	c) 30 cms
	b) 50 cms	d) 45 cms
2.	Which is the most accepted method of avoiding	accident?
	a) Wearing safety equipment	c) Performing with highly skilled working practice
	b) Doing things in one s own way	d) Observing safety precautions related to job, machine and working place
3.	For repair works at high level of multi storeyed ba) As it is more stable	ouildings needle scaffolding is preferred  c) As it will not obstruct traffic at ground level
	b) As it looks better	d) All of the above
4.	Which cost is not included in direct accidents cos	ts?
	a) Medical care expenses for injured	c) Decrease in moral which affects productivity
	b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
5.	Carelessness is the cause of an accident that can be	be attributed to
	a) Planning, organization	c) Management
	b) Execution of work	d) None of the above
6.	The reason for considering safety include	any activity is defined in the different
	a) Humanitarian concern	c) Laws and Regulations
	b) Economic reasons	d) All the above
	JA N	D. S.THU ACAVATUU

COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

7.	From the following, which one is not an act and a) Building and other construction workers Act,	c) The Delhi Building and other construction
	1996	workers Act, 2000
	b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
8.	Which of the following cause of an accident can	be attributed to organization?
	<ul><li>a) Use of unsuitable material</li><li>b) Defective supervision of work</li></ul>	<ul><li>c) Unsuitable equipment</li><li>d) Unskilled operators</li></ul>
9.	is provided to safeguard scaffolding	against overturning,
	a) Standards	c) Put-logs
	b) Inclined rackers	d) Rails
10	. Which one of the following is not an important of	
	a) Membership of trade union	c) Design methodology
	b) Management	d) Safety codes
11	. What is class D fire?	erw nwo e can as agont space. (d. s.
	<ul><li>a) Oil and fats</li><li>b) Flammable liquids</li></ul>	<ul><li>c) Combustible metals</li><li>d) Energized electrical equipment</li></ul>
12	. Pick up the incorrect statement from the following in the law is:	ng for various duties of a safety occurs stipulated
	a) To advice the building workers for effective control of injuries	c) To check and evaluate effectiveness of action
	b) To carry out safety inspections of buildings	d) To comply with requirement of rules
13	. For work at height one should use	
	a) Safety belt	c) Both A and B
	b) Full body harness	d) None of these
14	When the work is over the scaffolding should be any activity is defined as the difference between	
	a) Lower side	c) Upper side
	b) Middle part	d) None of the above
Ph.D.,	Dr. S.THILAGAVATHI M.E.,	STHILAGAVATHI M.E., Ph.D.,
อห	PRINCIPAL SRI BHARATHI ENGINEERII	SRI BHARATHI ENGINEERING
	COLLEGE FOR WOMEN  Kelkkurchi - 622 303, Pudukkonal	COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt

15. Which is the most accepted method of avoiding	
a) Wearing safety equipment	c) Performing with highly skilled working practice
b) Doing things in one's own way	d) Observing safety precautions related to job, machine and working place
16. For repair works at high level of multi storeyed	buildings needle scaffolding is preferred
a) As it is more stable	c) As it will not obstruct traffic at ground leve
b) As it looks better	d) None of the above
17. The key functions of safety management system	n are:
1. Planning for safety,	hollowikitos yok belessi sięcijwych i
2. Organizing for safety,	
3. Scheduling for safety,	
4. Controlling for safety	
a) Aldbeity	
a) 1, 3 and 4 are correct	c) 1, 2 and 3 are correct
b) 2, 3 and 4 are correct	d) 1, 2 and 4 are correct
18. Which cost is not include in direct accidents cos	to?
a) Medical care expenses for injured	
b) Replacement cost of equipment and material damaged in accidents	<ul> <li>c) Decrease in moral which affects productivity</li> <li>d) Fees for legal counsel</li> </ul>
D. S.THILAGAVATHI W.E. Ph.D.	
19. How occupational disease caused in industrial en	nvironment?
a) Negligence	c) Improper handling of machines
b) Lack of knowledge	d) Persons exposed to substance or process
20. Setting up of National Safety Council (NSC) in	India in
a) 1956	c) 1986
	,
b) 1976	d) 1966
21 1/4	
21. Whenever workmen have to excavate in trenches	
in depth, the trenches should be secure	
a) 2 m b) 1.5 m	c) 3 m
O) 1.5 III	d) 2.1 m
46	
Or.	S.THILAGAVATHI M.E., Ph.D., PRINCIPAL
	SRI BHARATHI ENGINEERING
	COLLEGE FOR WOMEN
	Kaikkurchi - 622 303, Pudukkottai Dt.

22. If work of piling is to be carried out at night,	minimum lux luminae lights should be
used.	
a) 60	c) 150
b) 200	d) 100
23. As per the Heinrich theory, 88 % of accident	s were attributable to
a) Unsafe physical condition	c) Unsafe act
b) Unsafe mechanical condition	d) Natural calamities
24. How can frame designers contribute most eff	fectivelyto ensuring steelwork is erected safely?
a) By having a dialogue with those responsib	
planning and undertaking the work on site	each steel member as low as possible
b) By a comprehensive series of notes on the	d) By specifying that steel erectors should
drawings issued for construction	never exit the basket of a MEWP at height
25. Who should be allowed to go below slab whe going on?	en centering is in position and concreting of slab is
a) Only head carpenter	c) Nobody
b) Every worker	d) Only safety officer
	L-S-1
	amounted in balances of
n	S.THILAGAVATHI M.E.,Ph.D.,
	PRINCIPAL
	SRI BHARATHI ENGINEERING
	COLLEGE FOR WOMEN
	Kaikkurchi - 622 303, Pudukkottai Dt,

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Value Added Course on "Construction Safety and Practices"

#### ANSWER KEY

1	b	6	d	11	С	16	c	21	a
2	d	7	С	12	d	17	d	22	d
3	d	8	b	13	b	18	С	23	c
4	С	9	- b	14	с	19	d	24	С
5	d	10	a	15	d	20	d	25	a

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25). Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Year/Sem: 11

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.

Name of the Student : Jaya Manokani

Kaikkurchi - 622 353. Pudukkottal Dt.

AU Register Number: 912621 10300	4 and segment of the sale to matthy and	
Value Added Course on "Const	ruction Safety and Practices"	
MCQ QUESTIONS	(25X4 = 100  Marks)	
	hile using ladder one should not lean sideways more than	
a) 40 cms	c) 30 cms	
(b) 50 cms	d) 45 cms	
2. Which is the most accepted method of avoiding	Thich is the most accepted method of avoiding accident?	
a) Wearing safety equipment	© Performing with highly skilled working practice	
b) Doing things in one s own way	d)Observing safety precautions related to job, machine and working place	
<ul><li>3. For repair works at high level of multi storeyed buildings needle scaffolding is pref</li><li>a) As it is more stable</li><li>c) As it will not obstruct traffic a</li></ul>		
b) As it looks better	d) All of the above	
4. Which cost is not included in direct accidents cost	Which cost is not included in direct accidents costs?	
a) Medical care expenses for injured	©Decrease in moral which affects productivity	
b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel	
5. Carelessness is the cause of an accident that can be attributed to		
a) Planning, organization	c) Management	
b) Execution of work	d) None of the above	
6. The reason for considering safety include		
(a) Humanitarian concern	c) Laws and Regulations	
h) Economic reasons	@ All the above	

7. From the following, which one is not an act and a) Building and other construction workers Act, 1996	regulations for health and safety?.  The Delhi Building and other construction workers Act, 2000
b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
8. Which of the following cause of an accident ca	n be attributed to organization?
a) Use of unsuitable material     Defective supervision of work	c) Unsuitable equipment d) Unskilled operators
9is provided to safeguard scaffolding	g against overturning,
a) Standards	c) Put-logs
(b) Inclined rackers	d) Rails
10. Which one of the following is not an important (a) Membership of trade union	element for maintaining safety in construction? c) Design methodology
b) Management	d) Safety codes
11. What is class D fire?	
<ul><li>a) Oil and fats</li><li>b) Flammable liquids</li></ul>	© Combustible metals d) Energized electrical equipment
12. Pick up the incorrect statement from the following	ng for various duties of a safety occurs stipulated
in the law is: a) To advice the building workers for effective control of injuries	c) To check and evaluate effectiveness of action
b) To carry out safety inspections of buildings	(d) To comply with requirement of rules
13. For work at height one should use	
a) Safety belt	c) Both A and B
(b) Full body harness	d) None of these
14. When the work is over the scaffolding should be any activity is defined as the difference between	
a) Lower side	C) Upper side
b) Middle part	d) None of the above
(11)	mouse simple of the
PRINCIPAL PRINCIPAL STA BHARATHI ENGINEERING	Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

BHARATHI ENGINEERING

15. Which is the most accepted method of avoiding	accident?
a) Wearing safety equipment	c) Performing with highly skilled working practice
b) Doing things in one's own way	Observing safety precautions related to job, machine and working place
	b) Unsafe mechanical condition.
16. For repair works at high level of multi storeyed	d buildings needle scaffolding is preferred
a) As it is more stable	c) As it will not obstruct traffic at ground level
b) As it looks better	(d) None of the above
17. The key functions of safety management system	n are:
1. Planning for safety,	
<ol><li>Organizing for safety,</li></ol>	
3. Scheduling for safety,	
4. Controlling for safety	and gride
Y00000 (a	( Ca) Only head curpenter
<ul><li>a) 1, 3 and 4 are correct</li><li>b) 2, 3 and 4 are correct</li></ul>	c) 1, 2 and 3 are correct d) 1, 2 and 4 are correct
18. Which cost is not include in direct accidents cos	rts?
a) Medical care expenses for injured	© Decrease in moral which affects productivity
b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
19. How occupational disease caused in industrial en	nvironment?
a) Negligence	c) Improper handling of machines
b) Lack of knowledge	Persons exposed to substance or process
20. Setting up of National Safety Council (NSC) in	India in
a) 1956	c) 1986
b) 1976	(d) 1966
21. Whenever workmen have to excavate in trenches	s in soil, soft rock or hard soil exceeding
in depth, the trenches should be secure	
(a) 2 m	c) 3 m
b) 1.5 m	d) 2.1 m
	Dr. S.THILAGAVATHI M.E., Ph.D.,
	PRINCIPAL SRI BHARATHI ENGINEERING
	COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

22. If work of piling is to be carried out at night, m	inimum lux luminae lights should be
used.	To, Which is the most accepted method of
a) 60 are alogal disw galacages (6)	c) 150
b) 200	<b>(1)</b> 100
23. As per the Heinrich theory, 88 % of accidents	were attributable to
a) Unsafe physical condition	Unsafe act
b) Unsafe mechanical condition	d) Natural calamities
24. How can frame designers contribute most effect a) By having a dialogue with those responsible planning and undertaking the work on site b) By a comprehensive series of notes on the drawings issued for construction	
25. Who should be allowed to go below slab when going on?	centering is in position and concreting of slab is
a Only head carpenter	c) Nobody
b) Every worker	d) Only safety officer
Smannonium laint S	THILAGAVATHI M.E., Ph.D., PRINCIPAL RI BHARATHI ENGINEERING COLLEGE FOR WOMEN aikkurchi - 622 303, Pudukkottai Dt.

Dr. S.THILAGAVATHI M.E., Ph.D. PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkhurchi - 822 303 Pudukona Dr.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Name of the Student: And Jenifar C	Year/Sem: IV/VII
AU Register Number: 9126/9/103002	

Value Added Course on "Construction Safety and Practices"

MCQ QUESTIONS	S(25X4 = 100  Marks)	
1. While using ladder one should not lean sidewa	LVS more than	
a) 40 cms	c) 30 cms	
(b) 50 cms	d) 45 cms	
2. Which is the most accepted method of avoiding	Which is the most accepted method of avoiding accident?	
a) Wearing safety equipment	c) Performing with highly skilled working practice	
b) Doing things in one s own way	d Observing safety precautions related to job, machine and working place	
3. For repair works at high level of multi storeyed	buildings needle scaffolding is preferred	
a) As it is more stable	c) As it will not obstruct traffic at ground level	
b) As it looks better	d All of the above	
4. Which cost is not included in direct accidents co	osts?	
a) Medical care expenses for injured	c) Decrease in moral which affects productivity	
b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel	
5. Carelessness is the cause of an accident that can	he attributed to	
a) Planning, organization	c) Management	
b) Execution of work	d None of the above	
6. The reason for considering safety include		
a) Humanitarian concern	c) Laws and Regulations	
b) Economic reasons	d) All the above	
	Dr. S.THILAGAVATHI M.E., Ph.D.,	
COLLEGE FOR WOME	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN	

Kaikkurchi - 622 303, Pudukkottai Dt.

UNEXCEPTO COLLEGO, 2018 MORALE PARAMETERS IN DESCRIPTION OF DESCRI	
<ol> <li>From the following, which one is not an act and</li> <li>a) Building and other construction workers Act,</li> <li>1996</li> </ol>	
b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
8. Which of the following cause of an accident car a) Use of unsuitable material Defective supervision of work	n be attributed to organization?  (c) Unsuitable equipment (d) Unskilled operators
9is provided to safeguard scaffolding	g against overturning,
a) Standards	c) Put-logs
(b) Inclined rackers	d) Rails
10. Which one of the following is not an important  (a) Membership of trade union	element for maintaining safety in construction? c) Design methodology
b) Management	d) Safety codes
11. What is class D fire?	yew pays a coop a sundramod 100
a) Oil and fats     b) Flammable liquids	Combustible metals d) Energized electrical equipment
<ul><li>12. Pick up the incorrect statement from the following in the law is:</li><li>a) To advice the building workers for effective control of injuries</li></ul>	c) To check and evaluate effectiveness of action
b) To carry out safety inspections of buildings	d To comply with requirement of rules
<ul><li>13. For work at height one should use</li><li>a) Safety belt</li></ul>	c) Both A and B
(b) Full body harness	d) None of these
14. When the work is over the scaffolding should be any activity is defined as the difference between a) Lower side b) Middle part	Upper side d None of the above
PRINCIPAL SRI GHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkuroni - 622 303, Pudukkulai Dt	PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

15. Which is the most accepted method of avoidi	ing agaidant?
a) Wearing safety equipment	c) Performing with highly skilled working practice
b) Doing things in one's own way	d) Observing safety precautions related to job, machine and working place
<ul><li>16. For repair works at high level of multi store</li><li>a) As it is more stable</li></ul>	yed buildings needle scaffolding is preferred  (c) As it will not obstruct traffic at ground level
b) As it looks better	d) None of the above
<ol> <li>The key functions of safety management systems.</li> <li>Planning for safety,</li> <li>Organizing for safety,</li> <li>Scheduling for safety,</li> <li>Controlling for safety</li> </ol>	em are:
(a) 1, 3 and 4 are correct	a) 1 2 and 2 are served
(a) 1, 3 and 4 are correct b) 2, 3 and 4 are correct	c) 1, 2 and 3 are correct d) 1, 2 and 4 are correct
<ul> <li>18. Which cost is not include in direct accidents c</li> <li>a) Medical care expenses for injured</li> <li>b) Replacement cost of equipment and material damaged in accidents</li> </ul>	Decrease in moral which affects productivity
	~/
19. How occupational disease caused in industrial	environment?
a) Negligence  b) Lack of knowledge	c) Improper handling of machines Persons exposed to substance or process
20. Setting up of National Safety Council (NSC)	in that the
a) 1956	c) 1986
b) 1976	(d) 1966
21. Whenever workmen have to excavate in trench in depth, the trenches should be secretary by 1.5 m	nes in soil, soft rock or hard soil exceeding urely shored and timbered.  c) 3 m d) 2.1 m
	PRINCIPAL RI BHARATHI ENGINEERING
	COLLEGE FOR WOMEN aikkurchi - 622 303, Pudukkottai Dt.

22. If work of piling is to be carried out at nigused.	ght, minimum lux luminae lights should be
a) 60	c) 150
b) 200	(d) 100
0) 200	(4)
23. As per the Heinrich theory, 88 % of accid	dents were attributable to
a) Unsafe physical condition	(c) Unsafe act
b) Unsafe mechanical condition	d) Natural calamities
The second and second as a second	sallum to buy a war a ware reposed only
25. Who should be allowed to go below slab going on?	when centering is in position and concreting of slab is
(a) Only head carpenter	c) Nobody
management better the text of	Composer Ethics (1805)
b) Every worker	d) Only safety officer
President and American Control of the Control of th	
Paramone in the second	CTUII AGAVATHI M.EPh.D

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

22

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Name of the Student: S. Subathya Year/Sem: 111 / V

AU Register Number: 91262010 30 04

Value Added Course on "Construction Safety and Practices"

#### MCQ QUESTIONS (25X4 = 100 Marks)

	(Boldon a canad ove autom.	rie bautumo in buloveno i
1.	While using ladder one should not lean sideway	s more than
	a) 40 cms	c) 30 cms
	(b) 50 cms	d) 45 cms
2.	Which is the most accepted method of avoiding	accident?
	a) Wearing safety equipment	c) Performing with highly skilled working practice
	b) Doing things in one s own way	d) Observing safety precautions related to job, machine and working place
3.	For repair works at high level of multi storeyed l	buildings needle scaffolding is preferred
	a) As it is more stable	c) As it will not obstruct traffic at ground level
	b) As it looks better	(d) All of the above
4.	Which cost is not included in direct accidents cos	ets?
	a) Medical care expenses for injured	© Decrease in moral which affects productivity
	b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
5	Carelessness is the cause of an accident that can be	as attributed to
	a) Planning, organization	c) Management
	b) Execution of work	(d) None of the above
		preticible organic permitsion of the stource
6.	The reason for considering safety include	OTAL CHOICE FOR
	a) Humanitarian concern	c) Laws and Regulations
	b) Economic reasons	d) All the above

Dr. S:THILAGAVATHI M.E., Ph. Q.
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt

7.	From the following, which one is not an act and a) Building and other construction workers Act, 1996	
	b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
8.	Which of the following cause of an accident car a) Use of unsuitable material Defective supervision of work	n be attributed to organization? c) Unsuitable equipment d) Unskilled operators
9.	is provided to safeguard scaffolding	g against overturning,
	a) Standards	©Put-logs
	b) Inclined rackers	d) Rails
10.	Which one of the following is not an important	element for maintaining safety in construction?
	Membership of trade union	c) Design methodology
	b) Management	d) Safety codes
11.	What is class D fire? a) Oil and fats b) Flammable liquids	Combustible metals d) Energized electrical equipment
12.	Pick up the incorrect statement from the followi in the law is: a) To advice the building workers for effective control of injuries	ng for various duties of a safety occurs stipulated c) To check and evaluate effectiveness of action
	b) To carry out safety inspections of buildings	(d) To comply with requirement of rules
13.	For work at height one should use  a) Safety belt  b) Full body harness	c) Both A and B d) None of these
14	When the work is over the scaffolding should be any activity is defined as the difference between	
,	a) Lower side	© Upper side
(	b) Middle part	d) None of the above
.0	JO STHILAGAVATHI M.E., Ph.	STHILAGAVATHI M.E., Ph.D.,
	SRI SHARATHI ENGINEERING COLLEGE FOR WOMEN	PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.

15. Which is the most accepted method of avoiding	accident?
a) Wearing safety equipment	c) Performing with highly skilled working practice
b) Doing things in one's own way	d)Observing safety precautions related to job, machine and working place
· enthants fatality (t	
16. For repair works at high level of multi storeye	d buildings needle scaffolding is preferred
a) As it is more stable	(E) As it will not obstruct traffic at ground level
b) As it looks better	d) None of the above
17. The key functions of safety management system	n are:
1. Planning for safety,	monotunismos ass batteri esprisanti
2. Organizing for safety,	
<ul><li>3. Scheduling for safety,</li><li>4. Controlling for safety</li></ul>	
we considering for surery	
a) 1, 3 and 4 are correct	c) 1, 2 and 3 are correct
b) 2, 3 and 4 are correct	(d) 1, 2 and 4 are correct
18. Which cost is not include in direct accidents cos	sts?
a) Medical care expenses for injured	©Decrease in moral which affects productivity
b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
19. How occupational disease caused in industrial e	nvironment?
a) Negligence	c) Improper handling of machines
b) Lack of knowledge	d Persons exposed to substance or process
20. Setting up of National Safety Council (NSC) in	India in
a) 1956	c) 1986
b) 1976	d) 1966
21. Whenever workmen have to excavate in trenche	
in depth, the trenches should be secure	ely shored and timbered.
(a) 2 m b) 1.5 m	c) 3 m
U1 1.J III	(II / I M

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

22. If work of piling is to be carried out at night, mi used.	nimum lux luminae lights should be
a) 60	c) 150
(b) 200	<b>(b)</b> 100
23. As per the Heinrich theory, 88 % of accidents v	vere attributable to
a) Unsafe physical condition	(c)Unsafe act
b) Unsafe mechanical condition	d) Natural calamities
<ul> <li>24. How can frame designers contribute most effec</li> <li>a) By having a dialogue with those responsible planning and undertaking the work on site</li> <li>b) By a comprehensive series of notes on the drawings issued for construction</li> </ul>	
25. Who should be allowed to go below slab when or going on?	centering is in position and concreting of slab is
(a) Only head carpenter	c) Nobody
b) Every worker	d) Only safety officer
Concession and the control which affects produced	V M

Dr. S.THILAGAVATHI M.E.,Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kalkkurchi - 622 303, Pudukkottai Dt.





(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2022-2023 (ODD SEM)

#### MARK SHEET FOR VALUE ADDED COURSE- CONSTRUCTION SAFETY & PRACTICES

16 912619103001		ABBRAT	LAGIAIF	ATTENDANCE DETAILS		VAC-MCQ TEST		OVERALL
S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	No of Sessions	Attendance Mark(100)	No of Correct	MCQ Mark(100)	MARK(100) (50% of A +
(4)	912620103301	BHAVAMS	- III:GIAII	Attended	(A)	Answers	(B)	50% of B)
1	912621103001	AKILA G	II/CIVIL	12	100	20	80	90
2	912621103002	GAYATHRI G	II/CIVIL	10	83	15	60	72
3	912621103003	JAYABHARATHI R	II/CIVIL	12	100	19	76	88
4	912621103004	JAYA MANOHARI B	II/CIVIL	12	100	22	88	94
5	912621103005	PRIYADHARSHINI A	II/CIVIL	11	92	18	72	82
6	912621103006	RABIA BANU M	II/CIVIL	11	92	17	68	80
7 *	912621103007	SHERLIN KAVYA B	II/CIVIL	12	100	18	72	86

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kalkkurchi - 622 303, Pudukkottai Dt.

8	912621103301	JENIFAR A	II/CIVIL	10	83	17	68	76
9	912621103302	KALAIARASI G	II/CIVIL	11	92	16	64	78
10	912620103001	ASWINI T	III/CIVIL	11	92	16	64	78
11	912620103002	GEETHA M	III/CIVIL	12	100	20	80	90
12	912620103003	KEERTHI S	III/CIVIL	11	92	20	80	86
13	912620103004	SUBATHRA S	III/CIVIL	12	100	22	88	94
-14	912620103301	BHAVANI S	III/CIVIL	yr 11 gag	92	17	68	80
15	912620103302	MEGALA V	III/CIVIL	11	92	19	76	84
16	912619103001	AJITHA T	IV/CIVIL	YUIINBYN	92	19	76	84
17	912619103002	ARULJENIFAR C	IV/CIVIL	12	100	20	80	90
18	912619103003	DIVYA V	IV/CIVIL	10	83	16	64	74
19	912619103004	MANGAIYARKARASI G	IV/CIVIL	10	83	16	64	74
20	912619103005	MUTHULAKSHMI S	IV/CIVIL	12	100	22	88	94
21	912619103006	PRAVEENA S	IV/CIVIL	11	92	18	72	82

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

22	912619103007	PRIYADHARSHINI K	IV/CIVIL	12	100	22	88	94
23	912619103009	RAGAVI V	IV/CIVIL	12	100	22	88	94
24	912619103301	LILLY JOHN J	IV/CIVIL	11	92	20	80	86
25	912619103302	BHUVANI S	IV/CIVIL	10	83	16	64	74

**VAC** Coordinator

HCD / CIVIL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Date: 25/01/2023

#### DEPARTMENT CIRCULAR

Certificate course offered by the Department of Civil Engineering for all Second & Third year Civil Engineering students on "Disaster Mitigation and Preparedness" in our College campus from 30.01.2023 to 03.02.2023. Certificates will be issued to the eligible participants at the end of the Course.

S.No.	Name of the Course	Resource Person			
		1.Mrs.R.Padma Rani,			
		Assistant Professor, Department of Civil Engineering. Sri Bharathi Engineering College for Womer Kaikkurichi, Pudukkottai.  2.Ms.Raci.Mahizhini, Assistant Professor, Department of Civil Engineering. Sri Bharathi Engineering College for Women			
	Disaster Mitigation and Preparedness				
					1.
1.					
					Kaikkurichi, Pudukkottai.

Cc:

· Principal's Office

IQAC Coordinator

Class In charges - II, III & IV-year of Civil Engineering

II, III & IV-year Civil Engineering Students

Notice Board

HoD/Civil 123
HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai DL



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

## Certificate Course on "Disaster Mitigation and Preparedness"

#### **SYLLABUS**

S.NO	TOPIC COVERED	DURATION (in hours)	DATE	RESOURCE PERSON
1	Importance & Scope of Disaster Management	3	30.01.2023	Mrs.R.Padma Rani
2	Different Types of Disaster - Causes, effects	3	30.01.2023	Ms.Raci.Mahizhini
3	Strategic Development for Vulnerability Reduction	3	31.01.2023	Mrs.R.Padma Rani
4	Disaster Preparedness and mitigation Plan	3	31.01.2023	Ms.Raci.Mahizhini
5	Prediction, Early Warnings and Safety Measures of Disaster	3	01.02.2023	Mrs.R.Padma Rani
6	Role of Information, Education, Communication, and Training,	3	01.02.2023	Ms.Raci.Mahizhini
7	Role of Government, International and NGO Bodies	3	02.02.2023	Mrs.R.Padma Rani
8	Post Disaster effects and Remedial Measures.	3	02.02.2023	Ms.Raci.Mahizhini
9	Reconstruction and Rehabilitation as a Means of Development.	3	03.02.2023	Mrs.R.Padma Rani
10	Case studies on various types of natural and man made disaster.	3	03.02.2023	Ms.Raci.Mahizhini
	Total Hours	30	-	

Course Coordinator

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

## ACADEMIC YEAR 2022-2023 (EVEN SEM) STUDENTS PARTICIPATION LIST-CERTIFICATE COURSE DISASTER MITIGATION & PREPAREDNESS

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/BRANCH
1	912621103001	AKILA G	II/CIVIL
2	912621103003	JAYABHARATHI R	II/CIVIL
3	912621103004	JAYA MANOHARI B	II/CIVIL
4	912621103005	PRIYADHARSHINI A	II/CIVIL
5	912621103006	RABIA BANU M	II/CIVIL
6	912621103007	SHERLIN KAVYA B	II/CIVIL
7	912621103301	JENIFAR A	II/CIVIL
8	912621103302	KALAIARASI G	II/CIVIL
9	912620103001	ASWINI T	III/CIVIL
10	912620103002	<b>GEETHA M</b>	III/CIVIL
11	912620103003	KEERTHI S	III/CIVIL
12	912620103004	SUBATHRA S	III/CIVIL
13	912620103301	BHAVANI S	III/CIVIL
14	912620103302	MEGALA V	III/CIVIL

Course Coordinator

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt. HoD/Civil

HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI.

KAIKKURICHI, PUDUKKOTTAI - 622 303



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

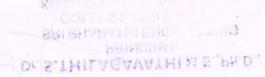
ACADEMIC YEAR 2022-2023 (EVEN SEM)

#### ATTENDANCE SHEET FOR CERTIFICATE COURSE - DISASTER MITIGATION & PREPAREDNESS

S.NO	REG.NO	NAME OF THE	YEAR/	DATE: 30.01.23		DATE: 31.01.23		DATE: 01.02.23		DATE: 02.02.23		DATE: 03.02.23		NO OF SESSIONS	SIGNATURE OF	
		STUDENT			FN	AN	FN	AN	FN AN		FN	AN	ATTENDED	THE STUDENT		
1	912621103001	AKILA G	II/CIVIL	1	a	1	1	1	1	1	1	1	1	9	G. Akily	
2	912621103003	JAYABHARATHI R	II/CIVIL	1	1	1	1	1	1	1	1	,	1	to	R. Layobhy	
3	912621103004	JAYA MANOHARI B	II/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Jw bb orphy . B.	
4	912621103005	PRIYADHARSHINI A	II/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Muchosfoot A.	
5	912621103006	RABIA BANU M	II/CIVIL	1	1	1	a	1	1	1	a	1	1	8	M. RaBerri	
6	912621103007	SHERLIN KAVYA B	II/CIVIL	1	1	1	1	1	,	1	1	1	1	10	B. Shy.	
7	912621103301	JENIFAR A	II/CIVIL	1	a	1	1	,	a	,	1	1	,	8	Jul-A	
8	912621103302	KALAIARASI G	II/CIVIL	1	1	1	1	1	1	7	a	)	1	9	OI.KOLI	
9	912620103001	ASWINI T	III/CIVIL	1	1	1	a	1	1	1	1	1	1	9	T. Aswini	

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENG.

Kalkhurch - Jan Jos. Pudamon Ja



10	912620103002	GEETHA M	III/CIVIL	1	1	1	1	1	1	1	1	1	1	10	M. Gantha
11	912620103003	KEERTHI S	III/CIVIL	1	a	1	1	1	1	7	1.	1	1	9	3. karthi
12	912620103004	SUBATHRA S	III/CIVIL	1	1	1	1	1	1	1	1	1	1	10	S. Subashra.
13	912620103301	BHAVANI S	III/CIVIL	1	1	1	1	1	1	1	1	1	a	9	- BR
14	912620103302	MEGALA V	III/CIVIL	1	1	1	1.	1	1	1	a	1	1	9	v- nagy.

Course Coordinator

HoD/Civil HOD / CIVIL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E.,Ph.D., PRINCIPAL

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukköttai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### Report on Certificate Course

Title:

**Disaster Mitigation and Preparedness** 

Resource Person:

Mrs.R.Padma Rani,

Ms.Raci.Mahizhini,

Assistant Professor.

Assistant Professor,

Department of Civil Engineering.

Department of Civil Engineering.

Date of conduct from:

30.01.2023

To: 03.02.2023 Duration: 30 Hours

Organized Department:

CIVIL ENGINEERING

Participant Year:

Semester:

**EVEN** 

No. of Students Registered:

Venue:

First Floor - Lecture Hall:31

2,3

#### Outcome of Certificate Course (CC): Students can able to

- Understand disasters, disaster preparedness and apply the mitigation measures
- Identify the natural and environmental disasters, its causes and apply preventive measures.
- Explain about the organizational and administrative strategies for managing disasters.
- Understand the working of early warning systems, monitoring of disasters effect and necessity of rehabilitation.
- Evaluate the concept of work on engineering and non-engineering controls of mitigating toward natural disasters.
- Learn methodologies for disaster risk assessment with the help of latest tools like GPS, GIS, Remote sensing, information technology.

No. of students successfully completed the Certificate Course is 14 students based on the following assessment process.

#### Assessment Process

- Students securing more than 60% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 \*Attendance in VAC out of 100 percentage + 0.5 \*Test mark in CC out of 100 marks)

Course Coordinator

SRI BHARATHI ENGINEERINGRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUCL KKOTTAI - 622 303 COLLEGE FOR WOMEN

KAIKKURICHI - 622 303. PUDUKKOTTAI DISTRICT

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE OF PARTICIPATION

This is Certify that Ms. JAYABHARATHI R B.E - Civil Engineering II year has successfully completed the Certificate Course on "Disaster Mitigation and Preparedness" conducted from 30<sup>th</sup> January 2023 to 3<sup>rd</sup> February 2023 (5 days) during the Academic year 2022-2023.

Dr. S.THILAGAVATHI M.E., Ph.D., SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING

## **CERTIFICATE OF PARTICIPATION**

This is Certify that Ms. ASWINI T B.E - Civil Engineering III year has successfully completed the Certificate Course on "Disaster Mitigation and Preparedness" conducted from 30th January 2023 to 3<sup>rd</sup> February 2023 (5 days) during the Academic year 2022-2023.

V. led

Dr. S.THNLAGAVATHI M.E., Ph.D.,

COLLEGE FOR WOMEN

Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### **ACADEMIC YEAR 2022-2023 / EVEN SEMESTER**

Name of the Student:

Year/Sem:

**AU Register Number:** 

a) Collapsing of bridges

Kalkkurchi - 622 303, Padutkottal Dt

b) flooding of coastal villages and shortage of d) All of these

Certificate Course on "Disaster Mitigation and Preparedness"

#### MCQ QUESTIONS (25X4 = 100 Marks)

1.	Disaster Management includes:	
	a) Mitigation	c) Rehabilitation
	b) Reconstruction	d) All of the above
2.	Which of the following should be practiced d	uring LPG leakage?
	a) Open windows	c) Hide under chair
	b) Close windows	d) Switch on the light
3.	Which of the following is the objective of pre-	e-disaster management?
	a) Collect information	c) First aid
	b) Participation of people	d) Mock drill
4.	Which of the following is considered as geolo	gical disaster?
	a) Earthquake	c) Famine
	b) War	d) Terrorism
5.	Who is the chairman of the district disaster ma	anagement authority?
	a) Mayor	c) President
	b) Collector	d) Common people
6.	Farming practices are restarted in	19. Structural and Non-structural measure
	a) Reconstruction phase	c) Preparatory Phase
	b) Transitional phase	d) Last phase
7.	Which of the following is considered as object	ctive of disaster management?
	a) Dispose dead bodies	c) Rehabilitation of disaster victims
	b) Supplying of essential commodities	d) All of these
8.	Which are the effects of dry famine?	2 k. What are the main prescribes procedu
	a) Loss of life	c) Soil erosion
	b) Collapse of building	d) Water logging
	and the control of the second of with	
9.	Which are the destructive effects of flood?	

c) Soil erosion

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

10. District-wise Disaster Control Unit keeps in a	
a) Army b) Navy	c) Beth (a) that (b)
o) Navy	d) None of the above
11. Rehabilitation is the priority of which of the	following phases?
a) Phase of emergency	c) Reconstruction Phase
b) Transitional Phase	d) Mock drill
12 Which is the first phase of the three concepts of	f disastar?
<ul><li>12. Which is the first phase of the three aspects of a) Phase of emergency</li></ul>	c) Reconstruction Phase
b) Transitional Phase	d) Mock drill
	radime, maday ov
13. Hazards and Disasters are mainly classified a	
a) Physical and chemical	c) Physical and Human
b) Natural and Human induced	d) Social and cultural
14. A hazard is a situation where there is	
a) Threat of natural calamity	c) Threat for consequences of disaster
b) Threat to property and lives from	d) All of the above
calamities	- //
15. What are the important measures to be taken	
a) Increased awareness	c) Landuse planning
b) Provision of early and timely warning	d) All of the above
16. Which are the major controlling systems for	r reduction of volcanic disaster?
a) Prediction for early warning of eruption	c) Both a and b
b) Timely evolution and relief work	d) None of the above
Washington, Co.	
17. Which techniques are used for prediction of	
a) Electric Distance Measures	c) GPS and Satellite Inferring Rader
b) Tilt Meters	d) All of the above
18. Warning about cyclonic disaster is convened	through
a) Newspaper	c) Television
b) Radio network	d) All of the above
10.0	1
19. Structural and Non-structural measures are e	
<ul><li>a) Socio-economic measures</li><li>b) Physical measures</li></ul>	<ul><li>c) Environmental measure</li><li>d) Post disaster measures</li></ul>
b) I hysical measures	d) Fost disaster measures
20. What are the major types oriented to mitigat	ion measures of hazards and disasters?
a) Public mitigation measures	c) Both a and b
b) Community mitigation measures	d) None of the above
21. What are the main prescribes procedures for	
a) Search and rescue	c) Casualty management
b) Medical assistant	d) All of the above
22. The most essential item that the disaster stric	eken populations must be provided with is
a) Shelter material	c) Fuel
b) Drinking water	d) All of the above
TARGE OF THE STREET OF STHILAGAVA	Dr. S.THILAGAVATHI M.E., Ph.D.,
	PRINCIPAL

SRI BHARATHI ENGINEERING

**COLLEGE FOR WOMEN** Kaikkurchi - 622 303, Pudukkottai Dt.

Dr. S.THILAGAVATHI M.E., Rh.D., PRINCIPAL

SRI BHARATHI ENGINEERING

- 23. The primary goal of a disaster preparedness plan is:
  - a) To protect the population

- c) To keep communications lines open
- b) To protect valuable resources
- d) To protect environmental health personnel
- 24. Which of the following is a disaster mitigation strategy?
  - a) Constructing cyclone shelte
- c) Providing cheap electricity

b) Giving loans from banks

- d) Providing school uniforms to children
- 25. National Disaster Management Division of the Govt. of India wherever necessary, sends to disaster affected areas?
  - a) Coordination its containing satellite phones
- c) Provides relief measures
- b) Medicines for affected people
- d) All the above

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkoitai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Certificate Course on "Disaster Mitigation and Preparedness"

#### ANSWER KEY

1	d	6	a	11	С	16	c	21	С
2	a	7 .	d	12	a	17	С	22	d
3	a	8	a	13	b	18	d	23	b
4	a	9	b	14	b	19	d	24	a
5	b	10	С	15	d	20	b	25	a

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student :	M. Geetha	
<b>AU Register Number:</b>	91262010300	2

food

Year/Sem: 111/VI

PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkoji

Certificate Course on "Disaster Mitigation and Preparedness"

### MCQ QUESTIONS (25X4 = 100 Marks)

Disaster Management includes:	
a) Mitigation	c) Rehabilitation
b) Reconstruction	(d) All of the above
2. Which of the following should be practiced do	uring LPG leakage?
(a) Open windows	c) Hide under chair
b) Close windows	d) Switch on the light
3. Which of the following is the objective of pre	-disaster management?
(a) Collect information	c) First aid
b) Participation of people	d) Mock drill
4. Which of the following is considered as geological	gical disaster?
(a) Earthquake	c) Famine
b) War	d) Terrorism
5. Who is the chairman of the district disaster ma	inagement authority?
a) Mayor	(c) President
(b) Collector	d) Common people
6. Farming practices are restarted in .	
(a) Reconstruction phase	c) Preparatory Phase
b) Transitional phase	d) Last phase
7. Which of the following is considered as object	etive of disaster management?
a) Dispose dead bodies	c) Rehabilitation of disaster victims
b) Supplying of essential commodities	(d) All of these
8. Which are the effects of dry famine?	
a) Loss of life	c) Soil erosion
b) Collapse of building	d) Water logging
si ditio habiyana salugan sanitsiyan nayaitu san	22 al le Car al confet inent then the direct
9. Which are the destructive effects of flood?	
a) Collapsing of bridges	c) Soil erosion
b) flooding of coastal villages and shortage of	f d) All of these PRINCIPAL M.E., Ph.D.

b) Navy	d) None of the above
	d) None of the above
1. Rehabilitation is the priority of which of the	following phases?
a) Phase of emergency	(c) Reconstruction Phase
b) Transitional Phase	Mock drill
2. Which is the first phase of the three aspects of	
a Phase of emergency	c) Reconstruction Phase
b) Transitional Phase	d) Mock drill
3. Hazards and Disasters are mainly classified a	as de mo estudo de establista de la seria del seria della seria de
a) Physical and chemical	c) Physical and Human
(b) Natural and Human induced	d) Social and cultural
4. A hazard is a situation where there is	
a) Threat of natural calamity	c) Threat for consequences of disaster
(b) Threat to property and lives from calamities	d) All of the above
5. What are the important measures to be taken	in community level of disaster preparedness
a) Increased awareness	c) Landuse planning
b) Provision of early and timely warning	d) All of the above
6. Which are the major controlling systems fo	r reduction of volcanic disaster?
a) Prediction for early warning of eruption	© Both a and b
b) Timely evolution and relief work	d) None of the above
7. Which techniques are used for prediction of	early warning of eruption?
a) Electric Distance Measures	© GPS and Satellite Inferring Rader
b) Tilt Meters	d) All of the above
8. Warning about cyclonic disaster is convened	through
a) Newspaper	c) Television
b) Radio network	(d) All of the above
9. Structural and Non-structural measures are e	elements of high category of Risk Reduction
a) Socio-economic measures	c) Environmental measure
b) Physical measures	(d) Post disaster measures
0. What are the major types oriented to mitigate	tion measures of hazards and disasters?
a) Public mitigation measures	c) Both a and b
(b) Community mitigation measures	d) None of the above
21. What are the main prescribes procedures for	standard operating?
a) Search and rescue	Casualty management
b) Medical assistant	d) All of the above
22. The most essential item that the disaster strice	cken populations must be provided with is
a) Shelter material	c) Fuel
b) Drinking water	DE THIE ABOVE HI M.E. Ph.D.
SMI SHARATHI FAGAINE EDING	SRI BHARATHI ENGINEERING
CONTRACTOR CONTRACTOR	COLLEGE FOR WOMEN

- 23. The primary goal of a disaster preparedness plan is:
  - a) To protect the population

- c) To keep communications lines open
- (b) To protect valuable resources
- d) To protect environmental health personnel
- 24. Which of the following is a disaster mitigation strategy?
  - (a) Constructing cyclone shelte b) Giving loans from banks
- c) Providing cheap electricity
- d) Providing school uniforms to children
- 25. National Disaster Management Division of the Govt. of India wherever necessary, sends to disaster affected areas?
  - (a) Coordination its containing satellite phones c) Provides relief measures
  - b) Medicines for affected people
- d) All the above

SRI BHARATHI ENGINEERING

**COLLEGE FOR WOMEN** Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### **ACADEMIC YEAR 2022-2023 / EVEN SEMESTER**

Name of the Student: Shorlin Kavia

Year/Sem: II /IV

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.

AU Register Number: 912621103007

flooding of coastal villages and shortage of

food

Certificate Course on "Disaster Mitigation and Preparedness"

#### MCQ QUESTIONS (25X4 = 100 Marks)

Disaster Management includes:	bit. Achiented is a singuish wildow thereore
a) Mitigation	c) Rehabilitation
b) Reconstruction	All of the above
2. Which of the following should be pra	acticed during LPG leakage?
a Open windows	c) Hide under chair
b) Close windows	d) Switch on the light
3. Which of the following is the objective	ve of pre-disaster management?
(a) Collect information	c) First aid
b) Participation of people	d) Mock drill
4. Which of the following is considered	as geological disaster?
(a) Earthquake	c) Famine
b) War	d) Terrorism
5. Who is the chairman of the district dis	saster management authority?
a) Mayor	c) President
(b) Collector	d) Common people
6. Farming practices are restarted in	in Sent And and then structural researces are who
(a) Reconstruction phase	c) Preparatory Phase
b) Transitional phase	d)Last phase
7. Which of the following is considered	as objective of disaster management?
a) Dispose dead bodies	c) Rehabilitation of disaster victims
b) Supplying of essential commodities	
8. Which are the effects of dry famine?	2). What not the main prescribes procedures for a
(a) Loss of life	c) Soil erosion
b) Collapse of building	d) Water logging
9. Which are the destructive effects of f	lood?
a) Collapsing of bridges	c) Soil erosion
a) Collapsing of bridges	c) son crosion

10. District-wise Disaster Control Unit keeps in a) Army	
b) Navy	
11. Rehabilitation is the priority of which of the	following phases?
a) Phase of emergency	(c) Reconstruction Phase
b) Transitional Phase	d) Mock drill
12. Which is the first phase of the three aspects	of disaster?
(a) Phase of emergency	c) Reconstruction Phase
b) Transitional Phase	d) Mock drill
13. Hazards and Disasters are mainly classified	as
a) Physical and chemical	c) Physical and Human
(b) Natural and Human induced	d) Social and cultural
14. A hazard is a situation where there is	
a) Threat of natural calamity	c) Threat for consequences of disaster
(b) Threat to property and lives from calamities	d) All of the above
15. What are the important measures to be taken	in community level of disaster preparedness
a) Increased awareness	c) Landuse planning
b) Provision of early and timely warning	d All of the above
16. Which are the major controlling systems fo	or reduction of volcanic disaster?
a) Prediction for early warning of eruption	(c) Both a and b
b) Timely evolution and relief work	d) None of the above
17. Which techniques are used for prediction of	early warning of eruption?
a) Electric Distance Measures	(c) GPS and Satellite Inferring Rader
b) Tilt Meters	d) All of the above
18. Warning about cyclonic disaster is convened	I through
a) Newspaper	c) Television
b) Radio network	d All of the above
19. Structural and Non-structural measures are e	elements of high category of Risk Reduction
(a) Socio-economic measures	c) Environmental measure
b) Physical measures	d) Post disaster measures
20. What are the major types oriented to mitiga	tion measures of hazards and disasters?
a) Public mitigation measures	c) Both a and b
(5) Community mitigation measures	d) None of the above
21. What are the main prescribes procedures for	standard operating?
a) Search and rescue	(c) Casualty management
b) Medical assistant	d) All of the above
22. The most essential item that the disaster strice	cken populations must be provided with is
a) Shelter material	c) Fuel
b) Drinking water	(d) All of the above

DI SITHILAGAVATHI M.E., Ph.D.

Kahkurohi - 522 303, Pedukkultal DL

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303 Pudukkulet Di

23. The primary goal of a disaster preparedness plan is:

a) To protect the population

To protect the population To protect valuable resources

To keep communications lines open

d) To protect environmental health personnel

24. Which of the following is a disaster mitigation strategy?

(a) Constructing cyclone shelte b) Giving loans from banks

C

c) Providing cheap electricity

d) Providing school uniforms to children

25. National Disaster Management Division of the Govt. of India wherever necessary, sends to disaster affected areas?

(a) Coordination its containing satellite phones

c) Provides relief measures

b) Medicines for affected people

d) All the above

Dr. S.THILAGAVATHI M.E., Ph.D.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### **ACADEMIC YEAR 2022-2023 / EVEN SEMESTER**

Name of the Student : G. KALAI ARASI

Year/Sem: 2" year - IV

AGAVATHI M.E., Ph.D.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.

AU Register Number: 912621103302

Certificate Course on "Disaster Mitigation and Preparedness"

#### MCQ QUESTIONS (25X4 = 100 Marks)

Disaster Management inc	cludes: .	
a) Mitigation	festiff (o	c) Rehabilitation
b) Reconstruction		d) All of the above
2. Which of the following s	should be practiced du	ring LPG leakage?
(a) Open windows		(c)) Hide under chair
b) Close windows		d) Switch on the light
3. Which of the following i	s the objective of pre-	disaster management?
a Collect information		c) First aid
b) Participation of peop	ole	d) Mock drill
4. Which of the following is	considered as geolog	ical disaster?
(a) Earthquake	8 CPS 8	c) Famine
b) War		d) Terrorism
5. Who is the chairman of the	ne district disaster man	nagement authority?
a) Mayor		c) President
(b) Collector		d) Common people
6. Farming practices are res	started in	
(a) Reconstruction phase		c) Preparatory Phase
b) Transitional phase		d) Last phase
7. Which of the following i	s considered as object	ive of disaster management?
a) Dispose dead bodies		c) Rehabilitation of disaster victims
b) Supplying of essential	commodities	All of these
8. Which are the effects of	'dry famine?	2 in What are the main prescribes process
(a) Loss of life	otalia (A)	© Soil erosion
b) Collapse of building		d) Water logging
9. Which are the destructive	e effects of flood?	22.0 com securial nemphabaha dist
	c chects of hood:	a) Sail anasian
a) Collapsing of bridges		c) Soil erosion

(b) flooding of coastal villages and shortage of d) All of these

food

a) Army	(a) Both (a) and (b)
b) Navy	
1. Rehabilitation is the priority of which of the	e following phases?
a) Phase of emergency	© Reconstruction Phase
b) Transitional Phase	d) Mock drill
2. Which is the first phase of the three aspects	
(a) Phase of emergency	c) Reconstruction Phase
b) Transitional Phase	d) Mock drill
3. Hazards and Disasters are mainly classified	as magazinal y soilinal . A
a) Physical and chemical	© Physical and Human
Natural and Human induced	d) Social and cultural
4. A hazard is a situation where there is	
a) Threat of natural calamity	c) Threat for consequences of disaster
(b) Threat to property and lives from calamities	d) All of the above
5. What are the important measures to be taken	n in community level of disaster preparedness
a) Increased awareness	c) Landuse planning
b) Provision of early and timely warning	d) All of the above
6. Which are the major controlling systems for	or reduction of volcanic disaster?
a) Prediction for early warning of eruption	(c) Both a and b
b) Timely evolution and relief work	d) None of the above
7. Which techniques are used for prediction of	
a) Electric Distance Measures	© GPS and Satellite Inferring Rader
b) Tilt Meters	d All of the above
8. Warning about cyclonic disaster is convene	d through
a) Newspaper	c) Television
b) Radio network	All of the above
9. Structural and Non-structural measures are	elements of high category of Risk Reduction
a) Socio-economic measures	c) Environmental measure
b) Physical measures	Post disaster measures
0. What are the major types oriented to mitigate	ation measures of hazards and disasters?
a) Public mitigation measures	© Both a and b
(b) Community mitigation measures	d) None of the above
21. What are the main prescribes procedures fo	r standard operating?
a) Search and rescue	© Casualty management
b) Medical assistant	d) All of the above
22. The most essential item that the disaster str	icken populations must be provided with is
a) Shelter material	c) Fuel
h) Drinking water	S.THO All of the above
MACE OF THE SAME SAME ASSESSMENT AND STOP OF THE PARTY OF	PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303. Pudukkottai Dt. 23. The primary goal of a disaster preparedness plan is:

a) To protect the population

c) To keep communications lines open

(b))To protect valuable resources

d) To protect environmental health personnel

24. Which of the following is a disaster mitigation strategy?

(a) Constructing cyclone shelte

c) Providing cheap electricity

b) Giving loans from banks

(d) Providing school uniforms to children

25. National Disaster Management Division of the Govt. of India wherever necessary, sends to disaster affected areas?

(a) Coordination its containing satellite phones

c) Provides relief measures

b) Medicines for affected people

d) All the above

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 (EVEN SEM)

#### MARK SHEET FOR CERTIFICATE COURSE- DISASTER MITIGATION & PREPAREDNESS

				ATTENDAN	CE DETAILS	VAC-M	CQ TEST	OVERALL
S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	No of Sessions	Attendance Mark(100)	No of Correct	MCQ Mark(100)	MARK(100) (50% of A +
	a (3090 segrans	Directory A	MICHAE	Attended	(A)	Answers	(B)	50% of B)
1	912621103001	AKILA G	II/CIVIL	9	90	19	76	83
2	912621103003	JAYABHARATHI R	II/CIVIL	10	100	21	84	92
3	912621103004	JAYA MANOHARI B	II/CIVIL	10	100	22	88	94
4	912621103005	PRIYADHARSHINI A	II/CIVIL	10	100	18	72	86
5	912621103006	RABIA BANU M	II/CIVIL	8	80	19	76	78
6	912621103007	SHERLIN KAVYA B	II/CIVIL	10	100	22	88	94
7	912621103301	JENIFAR A	II/CIVIL	8	80	17	68	74

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.

					9.0		0.9	
8	912621103302	KALAIARASI G	II/CIVIL	9	90	18	72	81
9	912620103001	ASWINI T	III/CIVIL	9	90	20	80	85
10	912620103002	GEETHA M	III/CIVIL	10	100	21	84	92
11	912620103003	KEERTHI S	III/CIVIL	9	90	19	76	83
12	912620103004	SUBATHRA S	III/CIVIL	10	100	22	88	94
13	912620103301	BHAVANI S	III/CIVIL	9	90	17	68	79
14	912620103302	MEGALA V	III/CIVIL	9	90	20	80	. 85

Course Coordinator

HoD/Civil T HOD / CIVIL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN
KAIKKURICHI,

PUDUKKOTTAI - 622 303

Dr. S:THIL'AGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING

## ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Date: 25/01/2023

#### **DEPARTMENT CIRCULAR**

Certificate course offered by the Department of Civil Engineering for Final year Civil Engineering students on "Disaster Mitigation and Preparedness" in our College campus. The Classes will be held as per the schedule mentioned in the class time table. Certificates will be issued to the eligible participants at the end of the Course.

S.No.	Name of the Course	Resource Person
1.	Disaster Mitigation and Preparedness	Mrs.R.Padma Rani, Assistant Professor, Department of Civil Engineering, Sri Bharathi Engineering College for Women, Kaikkurichi, Pudukkottai.

Cc:

· Principal's Office

IQAC Coordinator

• Class In charges - II, III & IV-year of Civil Engineering

• II, III & IV-year Civil Engineering Students

Notice Board

HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING

## ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

## Certificate Course on "Disaster Mitigation and Preparedness" **SYLLABUS**

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Importance & Scope of Disaster Management	3	06.02.2023
2	Different Types of Disaster – Causes & effects	3	13.02.2023
3	Strategic Development for Vulnerability Reduction	3	20.02.2023
4	Disaster Preparedness and mitigation Plan	3	27.02.2023
5	Prediction, Early Warnings and Safety Measures of Disaster	3	06.03.2023
6	Role of Information, Education, Communication, and Training	3	20.03.2023
7	Role of Government, International and NGO Bodies	3	27.03.2023
8	Post Disaster effects and Remedial Measures.	3	03.04.2023
9	Reconstruction and Rehabilitation as a Means of Development.	3	17.04.2023
10	Case studies on various types of natural and man made disaster.	3	24.04.2023
	Total Hours	30	-

Course Coordinator

LSRI BHARATHLE SMEERING COULCE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR "" TN

Kaikkurchi - 622 303, Pudukkottal Dt.

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING

# ACADEMIC YEAR 2022-2023 (EVEN SEM) STUDENTS PARTICIPATION LIST-CERTIFICATE COURSE DISASTER MITIGATION & PREPAREDNESS

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/BRANCH
1	912619103001	AJITHA T	IV/CIVIL
2	912619103002	ARULJENIFAR C	IV/CIVIL
3	912619103003	DIVYA V	IV/CIVIL
4	912619103004	MANGAIYARKARASI G	IV/CIVIL
5	912619103005	MUTHULAKSHMI S	IV/CIVIL
6	912619103006	PRAVEENA S	IV/CIVIL
7	912619103007	PRIYADHARSHINI K	IV/CIVIL
8	912619103009	RAGAVI V	IV/CIVIL
9	912619103301	LILLY JOHN J	IV/CIVIL
10	912619103302	BHUVANI S	IV/CIVIL

Course Coordinator

HoD/Civil

HOD / CIVIL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 (EVEN SEM)

## ATTENDANCE SHEET FOR CERTIFICATE COURSE - DISASTER MITIGATION & PREPAREDNESS

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	06.02.23	1302.23	20.02.23	27.02.23	06.03.23	20.03.23	27.03.23	03.04.23	17.04.23	24.04.23	08.05.23	NO OF SESSIONS	SIGNATURE OF
				AN	AN	AN	AN'	AN	ATTENDED	THE STUDENT						
1	912619103001	АЈІТНА Т	IV/CIVIL	1	1	,	1	,	1	A	,					
2	912619103002	ARULJENIFAR C	IV/CIVIL	1	1	/	/		1		/	/	/	1	10	A Jitha
3	912619103003		IV/CIVIL	,	,	/	1	/	/	/	1	1	1	1	10	A
4	912619103004	MANGAIYARKARASI		/	a	1	1	1	1.	1	i	1	1	1	9	Dunga
5 ·		G	IV/CIVIL	/	/	a	1	a	1	1	1	1	,	1	8	Mauleaiyarlea
	912619103005	MUTHULAKSHMI S	IV/CIVIL	1	1	)	1	1	,	a	,	1	,		9	
6	912619103006	PRAVEENA S	IV/CIVIL	1	a	1	1	,	1	1	'		/	/	9	Mens
7	912619103007	PRIYADHARSHINI K	IV/CIVIL	,	,	,	,	/		1	/	/	/	1	9	(Deranecena
8	912619103009	RAGAVI V	IV/CIVIL	,	/	/	/	/	1	1	a	1	/	/	9	Poringan
9	912619103301	LILLY JOHN J		/	/	/	1	1	1	1	a	1	1	1	9	Ragani
			IV/CIVIL	1	1	1	1	1	,	1	1	1	1	1	10	4
10	912619103302	BHUVANI S	IV/CIVIL	1.	a	1	,	a	1	,	,	,	1	1	0	Juhn .

Course Coordinator Dr. S. THILAGAVATHI M.E., P.

SRI BHARATHI ENGINEERING **COLLEGE FOR WOMEN** Kalkkurchi - 622 303, Pudukkottai Dt.

SRIC!!

... ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI,



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

### Report on Certificate course

Title:

**Disaster Mitigation and Preparedness** 

Resource Person:

Mrs.R.Padma Rani,

Assistant Professor,

Department of Civil Engineering.

Date of conduct from:

01.02.2023

To: 12.05.2023

Duration:

30 Hours

Organized Department:

CIVIL ENGINEERING

Participant Year:

Semester:

**EVEN** 

No. of Students Registered:

10

Venue:

First Floor - Lecture Hall:30

#### Outcome of Certificate Course (CC): Students can able to

- Understand disasters, disaster preparedness and apply the mitigation measures
- Identify the natural and environmental disasters, its causes and apply preventive measures.
- Explain about the organizational and administrative strategies for managing disasters.
- Understand the working of early warning systems, monitoring of disasters effect and necessity of rehabilitation.
- Evaluate the concept of work on engineering and non-engineering controls of mitigating toward natural disasters.
- Learn methodologies for disaster risk assessment with the help of latest tools like GPS, GIS, Remote sensing, information technology.

No. of students successfully completed the Certificate Course is  $\underline{10 \text{ students}}$  based on the following assessment process.

#### Assessment Process

- Students securing more than 60% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 \*Attendance in VAC out of 100 percentage + 0.5 \*Test mark in CC out of 100 marks)

Course Coordinator

HoD/Civil

Principal

SRI BHARATHI ENGINEERING RI BHARATHI EN

COLLEGE FOR WOMEN KAIKKURICHI, PUDU::KOTTAI - 622 303 COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRUCT

Dr. S:THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukköttai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

## **CERTIFICATE OF PARTICIPATION**

This is Certify that Ms. S MUTHULAKSHMI B.E - Civil Engineering IV year has successfully completed the Certificate Course on "Disaster Mitigation and Preparedness" conducted from 01.02.2023 - 12.05.2023 during the Academic year 2022-2023.

COURSE COORDINATOR

PRINCIPAL

Dr. S.THILAGAVATHI M.E.,Ph.D. PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

## **CERTIFICATE OF PARTICIPATION**

This is Certify that Ms. V RAGAVI B.E - Civil Engineering IV year has successfully completed the Certificate Course on "Disaster Mitigation and Preparedness" conducted from 01.02.2023 - 12.05.2023 during the Academic year 2022-2023.

COURSE COORDINATOR

PRINCIPAL

Dr. S. THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student:

Year/Sem:

**AU Register Number:** 

Certificate Course on "Disaster Mitigation and Preparedness"

MCQ QUESTIONS (25X4 = 100 M	allows to union and ounce of
Disasters can be broadly termed astypes.	
a) 2 b) 4	
c) 5	
d) 3	
2. The annual flood peaks in India are recorded in months of:	
a) June, July b) July, August	
c) July, September	
d) August, September	
3. Uttarakhand lies in zone of Earthquake prone areas.	
a) 5 b) 3	
b) 3 c) 4	
d) 2	
4. To measure flood variability, is used widely.	
a) FFMI b) FI	
c) FMI	
d) FFI southing a dress of reacts to this entities a fet becoming a state gett	
5. Disaster management deals with situation that occurs after the disaster	er.
a) True	
b) False	
6. How many elements of disaster management are there?	
a) 8	
b) 7	A WHICE SOURCE TO HAVE
c) 4	
d) 6	とう

Or. S.THILAGAVATHI M.E., Ph.D.
PRINCIPAL
SRI SHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKurchi - 622 303, Pudukoliai DL

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kalkkurchi - 622 303, Pudukaoitai Dt.

7 Whish seek halo is a seek at 1 control in the con	
<ul><li>7. Which of the below is an example of slow-onset disaster?</li><li>a) Earthquake</li></ul>	
b) Tsunami	
c) Cyclone	
d) Draught	
8. How many phases of disaster response are there?	173q
a) 5	
b) 4	
c) 3	
d) 2	
9. The first step in preparedness planning is:	
a) Analysis of data collected	
b) Determination of objectives	
c) Development of implementing device	
d) Determination of strategy	
10. Tsunami detectors are placed in sea at kms fr	om shore.
a) 25	
b) 100	
c) 50	
d) 85	
11. The National Institute of Disaster Management (NIDM) was	established on
a) September 23, 2002	- STREET, STRE
b) August 14, 2001	
c) October 16, 2003	
d) August 14, 2004	3. Huarakhand hes in seine
12.In which city the National Institute of Disaster Management i	is situated?
a. Kolkata	NO.
b. New Delhi	
c. Hyderabad	
d. Manipur	
13. Which wave of an earthquake is produced by a rolling effect	along the earth's surface?
	along the earth's surface?
a. L wave	
b. P wave	
c. S wave	
d. None of the above	
14. Which of the following are the common factors of wildfire ha	azards?
	- I XIV -
b. El-Nino	(, ,

Or S.THILAGAVATHI ME., Ph.D.,

SRI BHARATHI ENGINEERING

Kalidrorphi - 622 393, Pudokkoffel Dt.

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

15	India's total cyclone-prone area is	
	15%	
b.	10%	
c.	8%	
d.	20%	
		madel allowed in the 2 females where in 1
16	.Which method is widely used to measure flood variabilit	v?
a.	EEI	on International Standard Total
b.	EEMI	
c.	FI	
d.	FMI	
17	.How many steps are there in the disaster recovery process	s?
a.		of Sound Health
b.	4	
c.	8	
d.	5	
18.	To detect Tsunami along the coast, coastal tide gauges are	e placed km avvov2
a.	100	e placedkiii away?
b.	75	
c.	50	
19.	How many distinct types of actions are defined as part of	
a.	4	disaster management:
b.	7	Alene 220 lim
c.	5	minute average as
	6	
20.	International Day of Natural Disaster Reduction is celebra	ated on?
	June 15	and on.
b.	March 5	
	October 13	
	September 13	
	Dr. S.THILAGAVA	
Jac	Dr. S. I ATE	
ACINEEKING CARCAMEN	SRI BHARATHI EI	
Pudukkettal D	Xelkeurchi - 622 303	Dr. S.THILAGAVATHI M.E.,Ph.D.,
40	· · · · · · · · · · · · · · · · · · ·	PRINCIPAL
		SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
	As .	Kelkkurchi - 622 303 Pudukkottai Dt.

c. Volcanic Lightning and thundering

d. All of the above

- 21. What is the location of the International Tsunami Information Center?
- a. Honolulu
- b. Hyderabad
- c. Goa
- d. Pondicherry
- 22. Select the correct full form of ISDR?
  - a. International Sustainable Development Report
  - b. International Strategy for Disaster Reduction
  - c. International Significant Disaster Resources
  - d. Intergovernmental Strategy for developing Recreation
- 23. What devices are used to track minute changes in volcanoes' ground slope and shape?
- a. Strain meters
- b. Tiltmeter
- c. Both a and b
- d. None of these
- 24. Who released the first Disaster Management Plan of India?
- a. H. D. Deve Gowda
- b. Atal Bihari Vajpayee
- c. Manmohan Singh
- d. Narendra Modi
- 25. According to the Indian Meteorological Department (IMD), which storm is classified as a "Super cyclone" when the wind blows at whatever speed?
- a. Above 200 km
- b. Above 110 km
- c. Above 220 km
- d. None of the above

Dr. S.THILAGAVATHI M.E., Ph.D.
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

SRI SHARATHI ENGINEERING
COLLEGE FOR WOMEN

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF CIVIL ENGINEERING

## ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Certificate Course on "Disaster Mitigation and Preparedness"

#### ANSWER KEY

1	a	6	d	11	d	16	ь	21	a
2	d	7	d	12	b	17	d	22	b
3	c	8	a	13	c	18	c	23	b
4	a	9	b	14	d	19	d	24	d
5	b	10	С	15	С	20	С	25	c

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### **ACADEMIC YEAR 2022-2023 / EVEN SEMESTER**

Name of the Student : Muthe lakshni S

Year/Sem: 11/ VIII

AU Register Number: 912619103005

Certificate Course on "Disaster Mitigation and Preparedness"

#### MCQ QUESTIONS (25X4 = 100 Marks)

1. Disasters can be broadly termed as	types.	
(a) 2		
b) 4		
c) 5		
d) 3		
2 77 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
2. The annual flood peaks in India are a a) June, July	recorded in months of:	
b) July, August		
c) July, September		TORK AL MINISTER OF
(d) August, September		
•		
3. Uttarakhand lies in zone	of Earthquake prone areas.	Library Findingues (6)
a) 5		
b) 3		eVolumes made of \$1
© 4		
d) 2		
A To massum flor describition		
4. To measure flood variability,	is used widely.	
b) FI		
c) FMI		
d) FFI		
4) 111	Ammerica of second state of the second states	
5. Disaster management deals with situa	ation that occurs after the disaster	
a) True	ation that occurs after the disaster	D. Postster
6) False		
6. How many elements of disaster mana	agement are there?	
a) 8		
b) 7	And a supplementation of the state of	
c) 4		

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.

		Which of the below is an example of slow-onset disaster?
		Earthquake Tsunami
		Cyclone
		Draught
	8.	How many phases of disaster response are there?
	(a)	
	b)	
	<ul><li>d)</li></ul>	
	9	The first step in preparedness planning is:
		Analysis of data collected
	6	Determination of objectives
		Development of implementing device
	d)	Determination of strategy
		Tsunami detectors are placed in sea at kms from shore.
	a)	
	0	100 50
	d)	
	11.	The National Institute of Disaster Management (NIDM) was established on
	a)	September 23, 2002
	b)	August 14, 2001
1	0	October 16, 2003
	(D)	August 14, 2004
	12	In which city the National Institute of Disaster Management is cityeted?
		In which city the National Institute of Disaster Management is situated?  Kolkata
	a.	
	0	New Delhi
	c.	Hyderabad
	d.	Manipur
	13	Which wave of an earthquake is produced by a rolling effect along the earth's surface?
	(a)	L wave
	b.	P wave
	(C.)	S wave
- 3	d.	None of the above
	1.4	Which of the following are the common feators of wildfine become?
		Which of the following are the common factors of wildfire hazards?
		Volcanic eruption
	b.	El-Nino

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SREBHARATHI ENGINEERING
- QQ'LLEGE FOR WOMEN
Kolki skorl - 622 803, Pusksia dei Dr.

Dr. S:THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.

	c.	Volcanic Lightning and thundering	
	<b>a</b>	All of the above	
	, ,		
		India's total cyclone-prone area is	
		15%	
	b.	10%	d Pondiciony s
	(c.)	8%	
	d.	20%	
	16.	Which method is widely used to measure flood variability?	
	a.	EEI	
	(b)	EEMI	
	c.		
	d.	FMI	
	17.	How many steps are there in the disaster recovery process?	
		7	
	b.	4	d. None of these
	c.	8	
	(d)	5 Administrative ad Ministrative and Ministrative advisory and the same of the same and the same	
			le II (# Deve Clowdu
	18.	Γο detect Tsunami along the coast, coastal tide gauges are place	cedkm away?
	(a.)	100	donie malemanika o
	∠ b.	75	( (a) Nurcoulty Mosil
	(C)	50	
	d.	25 militardo el minuta denha "(CIMI) terenmogici hargol monte	
	191	How many distinct types of actions are defined as part of disas	salt nudw "analogo requis"
	a.		
	b.		
	c.		
	(d.)		
	0		
	20.I	nternational Day of Natural Disaster Reduction is celebrated of	on?
		June 15	
	b.	March 5	
	(c.)	October 13	
	d.	September 13	
	1.443	HTAVABAJIHT.2 m	200
		COLLEGE FOR WO	Dr. S.THILAGAVATHI M.E., Ph.D
	JG istina		PRINCIPAL SRI BHARATHI ENGINEERING
۵			COLLEGE FOR WOMEN
			Kalkkurchi - 622 303, Pudukkottai Dt.

- 21. What is the location of the International Tsunami Information Center?

  (a) Honolulu

  b. Hyderabad

  c. Goa

  d. Pondicherry
- 22. Select the correct full form of ISDR?
  - a. International Sustainable Development Report
- (b) International Strategy for Disaster Reduction
  - c. International Significant Disaster Resources
  - d. Intergovernmental Strategy for developing Recreation
- 23. What devices are used to track minute changes in volcanoes' ground slope and shape?
- a. Strain meters
- (b.) Tiltmeter
- c. Both a and b
- d. None of these
- 24. Who released the first Disaster Management Plan of India?
- a. H. D. Deve Gowda
- b. Atal Bihari Vajpayee
- c. Manmohan Singh
- d. Narendra Modi
- 25. According to the Indian Meteorological Department (IMD), which storm is classified as a "Super cyclone" when the wind blows at whatever speed?
- a. Above 200 km
- b. Above 110 km
- (c.) Above 220 km
- d. None of the above

Dr. S.THILAGAVATHI M.E., Ph.D PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

DE STHIL ACAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINAZIONE
COLLEGE FOR WOMEN
KRINGE VZZ 2021 PRINKANIPI



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

### DEPARTMENT OF CIVIL ENGINEERING

### ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student: S. Ryaveena

Year/Sem: W/V///

AU Register Number: 9126/9103006

Certificate Course on "Disaster Mitigation and Preparedness"

### MCQ QUESTIONS (25X4 = 100 Marks)

	1. Disasters can be broadly termed as	types.
	(a) 2 b) 4	
	c) 5	
	d) 3	
	2. The annual flood peaks in India are re	corded in months of:
	June, July	
	(b) July, August	
,	c) July, September	
1	d) August, September	
	2. 11441111:	
	Uttarakhand lies in zone   a) 5	of Earthquake prone areas.
	b) 3	
	6)4	
	0.2	
	4)2	
	4. To measure flood variability,	is used widely.
	(a) FFMI	
	6) FI	
	c) FMI	
	d) FFI	
	5 Disaster management deals with situation	ion that are a constant is
	<ol><li>Disaster management deals with situal</li><li>True</li></ol>	ion that occurs after the disaster.
	(b) False	
	U) I disc	
	6. How many elements of disaster managements	gement are there?
	(a) 8	
	b) 7	A to statut naminocett på Bulya
1	c) 4	
		\ \

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

7. Which of the below is an example of slow-onse	
c) Cyclone	(Approved by AIGTE, New Dollar
(d) Draught	
8. How many phases of disaster response are there	P INSIALSASSO
(a) 5	
b) 4	
©3	
d) 2	
9. The first step in preparedness planning is:	
a) Analysis of data collected	
(b) Determination of objectives	
c) Development of implementing device d) Determination of strategy	
d) Determination of strategy	
10. Tsunami detectors are placed in sea at	kms from shore.
a) 25	5.00
b) 100	
© 50	
d) 85	
.  11 The Notional Institute of Disease Managemen	t OUDAN was established an
11. The National Institute of Disaster Managemen	t (NIDM) was established on
a) September 23, 2002	
b) August 14, 2001	
c) October 16, 2003	
(f) August 14, 2004	
12.In which city the National Institute of Disaster	Management is situated?
a. Kolkata	13
(b) New Delhi	
c. Hyderabad	IMTLE
d.) Manipur	
13. Which wave of an earthquake is produced by a	rolling effect along the earth's surface?
a. L wave	
b. P wave	
(c.) S wave	
d. None of the above	
14. Which of the following are the common factors	s of wildfire hazards?
a. Volcanic eruption	
h El Nino	

Dr. S. I MILLAC AVATHIM E., Ph.D., PRINCIPAL SRI BHARAT R. ENGINETERING COLLEGE F. DR. WOMEN Kaltur cal - 1022 2012 (Rudulkollar) Dr. PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai DL

c. Volcanic Lightning and thundering	
All of the above	
15 1. 1. 2 1	
15.India's total cyclone-prone area is	A Hadesball of
a. 15%	
b. 10%	The Constitution of the Co
<b>6</b> 8%	
d. 20%	
mone	
16. Which method is widely used to measure floo	od variability?
a. FFI	
c. FI	
d. FMI	
17. How many steps are there in the disaster reco	very process?
a. 7	
(b) 4	
£ c. 8	
(d) 5	TA Manufacture and the filed Distance Mondanies
6. 50 d. 25	
19. How many distinct types of actions are define	d as part of disaster management?
a. 4	d as part of disaster management?
b. 7	
c. 5	
(d.) 6	
20.International Day of Natural Disaster Reduction	on is celebrated on?
a. June 15	on is eclebrated on:
b. March 5	
(c.) October 13	
Dr. S.THILAISAVATHI M.E., Ph.D.,	
SRI SHARATHI ENGINEERING	
COLLEGE FOR WORLEN	
Kalakurolii - 622 303, Pudai Aonal Dt.	Dr. S.THILAGAVATHI M.E.
	SRI BHARATHI ENGINEERIN
	COLLEGE FOR WOMEN
A Print of the Control of the Contro	Kaikkurchi - 622 303, Pudukkottai I

- 21. What is the location of the International Tsunami Information Center?
- (a.) Honolulu
- b. Hyderabad
- c. Goa
- d. Pondicherry
- 22. Select the correct full form of ISDR?
  - a. International Sustainable Development Report
- (b.) International Strategy for Disaster Reduction
- c. International Significant Disaster Resources
- d. Intergovernmental Strategy for developing Recreation
- 23. What devices are used to track minute changes in volcanoes' ground slope and shape?
- a. Strain meters
- (b) Tiltmeter
- c. Both a and b
- (d.) None of these
- 24. Who released the first Disaster Management Plan of India?
- a. H. D. Deve Gowda
- b. Atal Bihari Vajpayee
- c. Manmohan Singh
- d) Narendra Modi
- 25. According to the Indian Meteorological Department (IMD), which storm is classified as a "Super cyclone" when the wind blows at whatever speed?
- a. Above 200 km
- b. Above 110 km
- (c) Above 220 km
- d. None of the above

Dr. S.THILAGAVATHI M.E.,Ph.D.,

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai DL

Or S.THILAGAVATHI M.E.,Ph.D PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KARAUDA - 822 303, Publikkolisi Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

### DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 (EVEN SEM)

### MARK SHEET FOR CERTIFICATE COURSE- DISASTER MITIGATION & PREPAREDNESS

DE S.THILAGAVATHI M.E.,Ph.D.,

DECINO						CQ TEST	OVERALL
REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	No of Sessions Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	MARK(100) (50% of A + 50% of B)
912619103001	АЈІТНА Т	IV/CIVIL	9	27	20	90	80
912619103002	ARULJENIFAR C	IV/CIVIL	10	30	21	100	84
912619103003	DIVYA V	IV/CIVIL	8	24	17	80	68
912619103004	MANGAIYARKARASI G	IV/CIVIL	8	24	18	80	72
912619103005	MUTHULAKSHMI S	IV/CIVIL	9	27	22	90	88
912619103006	PRAVEENA S	IV/CIVIL	9	27	19	90	76
912619103007	PRIYADHARSHINI K	IV/CIVIL	9	27	21	90	84
	912619103002 912619103003 912619103004 912619103005 912619103006	912619103001 AJITHA T  912619103002 ARULJENIFAR C  912619103003 DIVYA V  912619103004 MANGAIYARKARASI G  912619103005 MUTHULAKSHMI S  912619103006 PRAVEENA S	REG.NO         NAME OF THE STUDENT         BRANCH           912619103001         AJITHA T         IV/CIVIL           912619103002         ARULJENIFAR C         IV/CIVIL           912619103003         DIVYA V         IV/CIVIL           912619103004         MANGAIYARKARASI G         IV/CIVIL           912619103005         MUTHULAKSHMI S         IV/CIVIL           912619103006         PRAVEENA S         IV/CIVIL	REG.NO         NAME OF THE STUDENT         BRANCH         Sessions Attended           912619103001         AJITHA T         IV/CIVIL         9           912619103002         ARULJENIFAR C         IV/CIVIL         10           912619103003         DIVYA V         IV/CIVIL         8           912619103004         MANGAIYARKARASI G         IV/CIVIL         8           912619103005         MUTHULAKSHMI S         IV/CIVIL         9           912619103006         PRAVEENA S         IV/CIVIL         9	REG.NO         NAME OF THE STUDENT         BRANCH         Sessions Attended         Mark(100) (A)           912619103001         AJITHA T         IV/CIVIL         9         27           912619103002         ARULJENIFAR C         IV/CIVIL         10         30           912619103003         DIVYA V         IV/CIVIL         8         24           912619103004         MANGAIYARKARASI G         IV/CIVIL         8         24           912619103005         MUTHULAKSHMI S         IV/CIVIL         9         27           912619103006         PRAVEENA S         IV/CIVIL         9         27	REG.NO         NAME OF THE STUDENT         BRANCH         Sessions Attended         Mark(100) (A)         Correct Answers           912619103001         AJITHA T         IV/CIVIL         9         27         20           912619103002         ARULJENIFAR C         IV/CIVIL         10         30         21           912619103003         DIVYA V         IV/CIVIL         8         24         17           912619103004         MANGAIYARKARASI G         IV/CIVIL         8         24         18           912619103005         MUTHULAKSHMI S         IV/CIVIL         9         27         22           912619103006         PRAVEENA S         IV/CIVIL         9         27         19	REG.NO   NAME OF THE STUDENT   BRANCH   Sessions   Mark(100)   Correct   Mark(100)   (A)   Answers   (B)

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kalkkurchi - 322 303 Pudukkottai De

Kalkini ol. - 522-503 Pinnskknitai Pit COLLEGE FOR WOMEN SRI BHARATHI ENGINEERING

OV	495 W 15		gers.	sage of	150	that i	2 5 5	# 16t	1 . 40 17	20.22	TO !
100	E 4	A. A.	4	150	41	F 22	183	2 6	Sec	1,37	10

	Control Sal Ottoma	A DESCRIPTION OF THE PROPERTY OF THE PARTY O	The state of the s					
8	912619103009	RAGAVI V	IV/CIVIL	9	27	22	90	88
9	912619103301	LILLY JOHN J	IV/CIVIL	10	30	20	100	80
10	912619103302	BHUVANI S	IV/CIVIL	8	24	17	80	68

Course Coordinator

HoD/Civil

HOD / CIVIL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI. PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2

**Teaching-Learning and Evaluation** 

350

**Key Indicator- 2.3. Teaching- Learning Process (40)** 

2022-2023

# CIVIL ENGINEERING PARTICIPATIVE LEARNING CONFERENCE AND SYMPOSIUM



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## **DEPARTMENT OF CIVIL ENGINEERING**

List of Civil Engineering Students Attended

Symposium/Workshop/Seminar/Conference-Participative learning

### Academic Year 2022-2023

S.No	Register No	Student Name	Year/Sem	Name of the Learning Method		
1.	912619103001	Ajitha T	IV/VIII	*		
2.	912619103002	Aruljenifar C	IV/VIII	- *· */		
3.	912619103003	Divya V	IV/VIII			
4.	912619103004	Mangaiyarkarasi G	IV/VIII			
5.	912619103005	Muthulakshmi S	IV/VIII			
6.	912619103006	Praveena S	IV/VIII	International Conference		
7.	912619103007	Priyadharshini K	IV/VIII			
8.	912619103009	Ragavi V	IV/VIII			
9.	912619103301	Lilly John.J	IV/VIII			
10.	912619103302	Bhuvani.S	IV/VIII			
11.	912619103002	Aruljenifar C	IV/VIII			
12.	912619103005	Muthulakshmi S	IV/VIII ^	Symposium		
13.	912619103009	Ragavi V	IV/VIII			

Dr. S.THILAGAVATHI M.E., Ph.D.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkotia: Dt. HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Pld HoD/Civil



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

(An ISO 9001: 2008 Certified Institution)

Arasanoor, Thirumansolai Po., Sivagangai Dist. Tamilnadu - 630561, India



28th & 29th April, 2023



This is to certify that Dr/Mr/Ms T. AJITHA

Of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAL

has participated & presented a paper entitled UTILIZATION OF SOFT DRINK

BOTTLE CAPS AND PALM FIBRE IN CONCRETE

in 10th International Conference on Emerging Trends in Engineering and Technology (ICETET, 23) held on 28th & 29th April, 2023.

Convener
Dr.K. R. Premlatha

Dr. S.THILAGAVATHIM.E., PPOPINCIPAL
PRINCIPAL
SRI BHARATHI ENGINEERINGID R. Raja
COLLEGE FOR WOMEN
Kaikkurchi-622 303, Pudukkattai Pt.

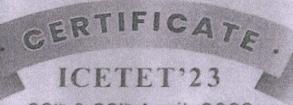
Managing Director Er.S.P Varadharajan



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

(An ISO 9001: 2008 Certified Institution)

Arasanoor, Thirumansolai Po., Sivagangai Dist, Tamilnadu - 630561, India



28th & 29th April, 2023



This is to certify that Dr/Mr/Ms C. ARULJENIFAR

of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKOTTAI

has participated & presented a paper entitled EXPERIMENTAL STUDY ON

PARTIALLY REPLACEMENT OF CEMENT BY USING RICE STRAW ASH

in 10th International Conference on Emerging Trends in Engineering and

Technology (ICETET'23) held on 28th & 29th April, 2023.

Convener
Dr K R Premlatha

Dr. S.THILAGAVATHI M.E., Ph. D. R. Raja .

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. Managing Director

Er.S.P. Varadharajan



-04

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

(An ISO 9001: 2008 Certified Institution)

Arasanoor, Thirumansolai Po., Sivagangai Dist. Tamilnadu - 630561, India





This is to certify that Dr/Mr/Ms V. DIVYA

OF SRI BHARATHI ENGINEERING COLLEGE FOR NOMEN, PUDUKKOTTAL

has participated & presented a paper entitled UTILIZATION OF SOFT DRINK

BOTTLE CAPS AND PALM FIBRE IN CONCRETE

in 10th International Conference on Emerging Trends in Engineering and Technology (ICETET'23) held on 28th & 29th April, 2023.

Convener
Dr.K.R.Premlatha

Principal Dr.R. Raja

Managing Director Er.S.P. Varadharajan

Dr. S.THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

(An ISO 9001: 2008 Certified Institution)

Arasanoor, Thirumansolai Po., Sivagangai Dist. Tamilnadu - 630561, India





This is to certify that Dr/Mr/Ms G. MANGAIYARKARASI

of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAI

has participated & presented a paper entitled UTILIZATION OF SOFT DRINK

BOTTLE CAPS AND PALM FIBRE IN CONCRETE

in 10th International Conference on Emerging Trends in Engineering and Technology (ICETET'23) held on 28th & 29th April, 2023.

Convener
Dr.K.R. Premlatha

Principal Principal Principal Principal

Managing Director Er.S.P.Varadharajan

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

(An ISO 9001: 2008 Certified Institution)

Arasanoor, Thirumansolai Po., Sivagangai Dist. Tamilnadu - 630561, India



28th & 29th April, 2023



This is to certify that Dr/Mr/Ms S. MUTHULAKSHMI

of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAI

has participated & presented a paper entitled USANCE OF GROUNDNUT

SHELL ASH AND WASTE CARDBOARD PULP IN CONCRETE

in 10th International Conference on Emerging Trends in Engineering and

K.R. Rubeths\_ Convener

Dr K R Premlatha

Dr. S.THILAGAVATHI M.E. Ph. Dr. R. Raja

Technology (ICETET'23) held on 28th & 29th April, 2023.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkuta: Dt. Managing Director Er.S.P.Varadharajan



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai) (An ISO 9001: 2008 Certified Institution)

Arasanoor, Thirumansolai Po., Sivagangai Dist. Tamilnadu - 630561. India



This is to certify that Dr/Mr/Ms S. PRAVEENA Of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAL has participated & presented a paper entitled EXPERIMENTAL STUDY ON PARTIALLY REPLACEMENT OF CEMENT BY USING RAW STRAW ASH in 10th International Conference on Emerging Trends in Engineering and Technology (ICETET'23) held on 28th & 29th April, 2023.

K. R. de Oath Convener

Dr.K.R.Premlatha

Dr. S.THILAGAVATHI M.E. Ph. Br. R. Raja

SRI BHARATHI ENGINEERING

Managing Director

Er.S.P. Varadharajan



(Approved by AICTE. New Delhi and Affiliated to Anna University, Chennai) (An ISO 9001 2008 Certified Institution) Arasanoor, Thirumansolai Po. Sivagangai Dist Tamilnadu - 630561, India



28th & 29th April, 2023



This is to certify that Dr/Mr/Ms K- PRIVADHARSHINI OF SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAL has participated & presented a paper entitled USANCE OF GROUNDNUT SHELL ASH AND WASTE CARDBOARD PULP IN CONCRETE in 10th International Conference on Emerging Trends in Engineering and Technology (ICETET'23) held on 28th & 29th April, 2023.

Convener Dr.K.R.Premlatha

Dr.R.Raja

Dr. S.THILAGA ATHI M.E. Ph.D.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkettai Dt. Managing Director

Er S.P. Varadharajan



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

(An ISO 9001: 2008 Certified Institution)

Arasanoor, Thirumansolai Po., Sivagangai Dist. Tamilnadu - 630561, India



28th & 29th April, 2023



This is to certify that Dr/Mr/Ms V. RAGAVI

OF SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAL

has participated & presented a paper entitled UTILIZATION OF SOFT DRINK

BOTTLE CAPS AND PALM FIBRE IN CONCRETE

in 10th International Conference on Emerging Trends in Engineering and

Technology (ICETET'23) held on 28th & 29th April, 2023.

Convener
Dr.K.R. Premlatha

Dr. S.THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING

Kaikkurchi - 622 303, Pudukkottal Dt.

**Managing Director** 

Er.S.P. Varadharajan



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

(An ISO 9001: 2008 Certified Institution) Arasanoor, Thirumansolai Po., Sivagangai Dist. Tamilnadu - 630561, India



ICETET'23

28th & 29th April, 2023



This is to certify that Dr/Mr/Ms J. LILLY JOHN

OF SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDURKOTTAL

has participated & presented a paper entitled EXPERIMENTAL STUDY ON

PARTIALLY REPLACEMENT OF CEMENT BY USING RICE STRAW ASH

in 10th International Conference on Emerging Trends in Engineering and

Technology (ICETET'23) held on 28th & 29th April, 2023.

Dr.K.R. Premlatha pr. S.THIL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

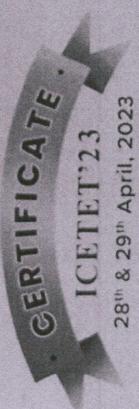
Kaikkurchi - 622 303, Pudukkottai Dt.

Er.S.P. Varadharaian

Approved by AICIE New Delhi and Affiliated to Anna University Chennal

(An ISO 9001, 2008 Certified Institution)

Arananaor Thirumansolai Po, Sivagangai Dist, Tamilhadu - 630561, India





his is to certify that Dr/Mr/Ms & BHUVANI

has participated & presented a paper entitled USANCE OF GROUNDAUT OF OR! BHARATH! ENGINEERING COLLEGE FOR NOMEN, PUDUKKOTTAL SHELL ASH AND MASTE CARDBOARD PULP IN CONCRETE in 10th International Conference on Emerging Trends in Engineering and Technology (ICETET'23) held on 28th & 29th April, 2023.

Convener
Dr.K. R. Premlatha

Principal Principal

Managing Director

Dr. S.THILAGAVATHI M.E., Ph.D.) r R Raja PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkotiai Dt.



of Civil Engineering, Chendhuran College of Engineering and Technology, held on 3rd March 2023.

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

Dr.M. Meignanamoorthy

PRINCIPAL Dr. K. Ganesh Babu

CHIEF EXECUTIVE OFFICER Dr. AVM.S.Karthick

CHAIRMAN Shri. AVM. Selvaraj

# ENDHIR



Accredited by NAAC with 'B++' Grade
Lena Vilakku, Madurai Road, Pilivalam Post, Pudukkottai – 622 507. www.chendhuran.ac.in

STATE SANSCINCO 2023 STORE

Department of Civil Engineering

# Participation Certificate

This is to certify that Mr. /Ms. S. MUTHULAKS HMI of Sri bharathi Engineering college has participated in Paper Presentation / Event / Model Display organized by the Department of Civil Engineering, Chendhuran College of Engineering and Technology, held on 3rd March 2023,

PRINCIPAL

SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkotta! Dt.

Dr. K.Ganesh Babu

CHIEF EXECUTIVE OFFICER

Dr. AVM.S.Karthick

Shri, AVM. Selvaraj

Dr.M.Meignanamoorthy

CHENDHURAN OF ENGINEERING AND TECHNO Accredited by NAAC with 'B++' Grade
Lena Vilakku, Madurai Road, Pilivalam Post, Pudukkottai - 622 507. www.chendhuran.ac.in



GIATE SANSCINCO 2023 STUM

Department of Civil Engineering

# Certificate

This is to certify that Mr. /Ms. Y. RAVIAVI of Sxi bharathi college of Engineering has won \_ prize in Paper Presentation / Event organized by the Department of Civil Engineering, Chendhuran College of Engineering and Technology, held on 3rd March 2023.

> Dr. S.THILAGAVATHI M.E. Ph.D. PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Rudukkottai Dt.

M. Meignanamoorthy

Dr. K. Ganesh Babu

CHIEF EXECUTIVE OFFICER

Dr. AVM.S.Karthick

CHAIRMAN Shri. AVM. Selvaraj