



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



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	-



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

CIVIL ENGINEERING

PARTICIPATIVE LEARNING

VALUE ADDED COURSE



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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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.	Name of the Course	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


39/6/22
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
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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
Total Hours		36	-


VAC Coordinator


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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	912621103302	KALAIARASI G	II/CIVIL
10	912620103001	ASWINI T	III/CIVIL
11	912620103002	GEETHA M	III/CIVIL
12	912620103003	KEERTHI S	III/CIVIL
13	912620103004	SUBATHRA S	III/CIVIL
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

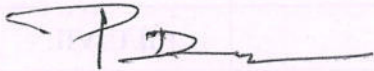
Dr. S. THILAGAVATHI M.E., Ph.D.,

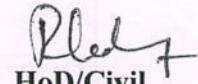
PRINCIPAL

SRI BHARATHI ENGINEERING
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Kaikkurichi - 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


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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 (ODD SEM)

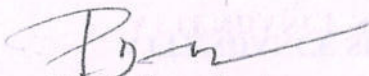
ATTENDANCE SHEET FOR VALUE ADDED COURSE- CONSTRUCTION SAFETY AND PRACTICES

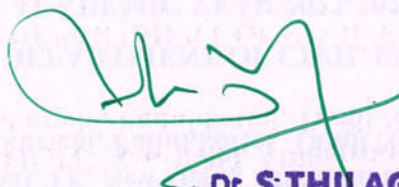
S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	DATE: 03.08.22		DATE: 04.08.22		DATE: 05.08.22		DATE: 06.08.22		DATE: 08.08.22		DATE: 09.08.22		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	912621103001	AKILA G	II/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	G. Akila
2	912621103002	GAYATHRI G	II/CIVIL	1	a	1	1	1	1	1	a	1	1	1	1	10	G. Gayathri
3	912621103003	JAYABHARATHI R	II/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	R. Jayabharathi
4	912621103004	JAYA MANOHARI B	II/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	B. Jaya Manohari
5	912621103005	PRIYADHARSHINI A	II/CIVIL	1	1	1	1	1	a	1	1	1	1	1	1	11	P. Priyadharshini
6	912621103006	RABIA BANU M	II/CIVIL	1	1	1	1	1	1	1	a	1	1	1	1	11	M. Rabia Banu
7	912621103007	SHERLIN KAVYA B	II/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	B. Sherlin
8	912621103301	JENIFAR A	II/CIVIL	1	a	1	1	1	1	1	1	1	a	1	1	10	A. Jenifar
9	912621103302	KALAIARASI G	II/CIVIL	1	1	1	1	1	1	1	1	1	1	1	a	11	G. Kalaiarasi
10	912620103001	ASWINI T	III/CIVIL	1	1	1	a	1	1	1	1	1	1	1	1	11	T. Aswini
11	912620103002	GEETHA M	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	M. Geetha

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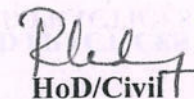
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12	912620103003	KEERTHI S	III/CIVIL	/	/	/	/	/	/	/	/	/	/	/	a	11	S. Keerthi
13	912620103004	SUBATHRA S	III/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	12	S. Subathra
14	912620103301	BHAVANI S	III/CIVIL	/	a	/	/	/	/	/	/	/	/	/	/	11	S. Bhavani
15	912620103302	MEGALA V	III/CIVIL	/	/	/	/	/	/	/	/	a	/	/	/	11	v. Megha
16	912619103001	AJITHA T	IV/CIVIL	/	/	/	/	/	/	a	/	/	/	/	/	11	Ajitha
17	912619103002	ARULJENIFAR C	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	12	A. Aruljenifar
18	912619103003	DIVYA V	IV/CIVIL	/	/	/	/	/	a	/	a	/	/	/	/	10	D. Divya
19	912619103004	MANGAIYARKARASI G	IV/CIVIL	/	/	/	/	/	/	/	/	/	a	/	a	10	M. Mangaiyarkarasi
20	912619103005	MUTHULAKSHMI S	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	12	M. Muthulakshmi
21	912619103006	PRAVEENA S	IV/CIVIL	/	/	/	a	/	/	/	/	/	/	/	/	11	P. Praveena
22	912619103007	PRIYADHARSHINI K	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	12	P. Priyadharshini
23	912619103009	RAGAVI V	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	12	R. Ragavi
24	912619103301	LILLY JOHN J	IV/CIVIL	/	/	/	a	/	/	/	/	/	/	/	/	11	L. Lilly John
25	912619103302	BHUVANI S	IV/CIVIL	/	/	/	/	/	a	/	/	/	/	/	a	10	B. Bhuvani


VAC Coordinator



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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.

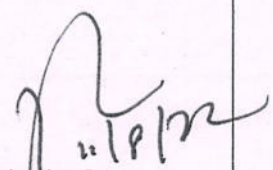
No. of students successfully completed the VAC course is **25 students** based on the following assessment process.

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)

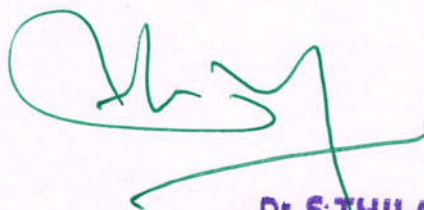

VAC Coordinator


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COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT



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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.

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PRINCIPAL
SRI BHARATHI ENGINEERING
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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. Rawuthier 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.

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PRINCIPAL
SRI BHARATHI ENGINEERING
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Er. S. Rawuthier Appa B. E., M. Sc. (REV)
Licensed Building Surveyor



KAMAAL CONSTRUCTION

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

Er. S. Rawuthier 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.

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Name of the Student :

Year/Sem:

AU Register Number:

Value Added Course on “Construction Safety and Practices”

MCQ QUESTIONS (25X4 = 100 Marks)

1. While using ladder one should not lean sideways more than _____.
a) 40 cms
b) 50 cms
c) 30 cms
d) 45 cms
2. Which is the most accepted method of avoiding accident?
a) Wearing safety equipment
b) Doing things in one s own way
c) Performing with highly skilled working practice
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
b) As it looks better
c) As it will not obstruct traffic at ground level
d) All of the above
4. Which cost is not included in direct accidents costs?
a) Medical care expenses for injured
b) Replacement cost of equipment and material damaged in accidents
c) Decrease in moral which affects productivity
d) Fees for legal counsel
5. Carelessness is the cause of an accident that can be attributed to
a) Planning, organization
b) Execution of work
c) Management
d) None of the above
6. The reason for considering safety include
a) Humanitarian concern
b) Economic reasons
c) Laws and Regulations
d) All the above

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7. From the following, which one is not an act and regulations for health and safety?.
- a) Building and other construction workers Act, 1996 c) 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 can be attributed to organization?
- a) Use of unsuitable material c) Unsuitable equipment
- b) Defective supervision of work d) Unskilled operators
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 element for maintaining safety in construction?
- a) Membership of trade union c) Design methodology
- b) Management d) Safety codes
11. What is class D fire?
- a) Oil and fats c) Combustible metals
- b) Flammable liquids d) Energized electrical equipment
12. Pick up the incorrect statement from the following 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 dismantled step by step from _____ float for any activity is defined as the difference between
- a) Lower side c) Upper side
- b) Middle part d) None of the above

22. If work of piling is to be carried out at night, minimum _____ lux luminae lights should be used.
- a) 60
b) 200
c) 150
d) 100
23. As per the Heinrich theory, 88 % of accidents were attributable to
- a) Unsafe physical condition
b) Unsafe mechanical condition
c) Unsafe act
d) Natural calamities
24. How can frame designers contribute most effectively to ensuring steelwork is erected safely?
- a) By having a dialogue with those responsible for planning and undertaking the work on site
b) By a comprehensive series of notes on the drawings issued for construction
c) By designing to keep the weight of each steel member as low as possible
d) By specifying that steel erectors should never exit the basket of a MEWP at height
25. Who should be allowed to go below slab when centering is in position and concreting of slab is going on?
- a) Only head carpenter
b) Every worker
c) Nobody
d) Only safety officer

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

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Name of the Student : Jaya Manohari

Year/Sem: II / III

AU Register Number: 912621103004

Value Added Course on “Construction Safety and Practices”

MCQ QUESTIONS (25X4 = 100 Marks)

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c) 30 cms
d) 45 cms
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13. For work at height one should use
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15. Which is the most accepted method of avoiding accident?
- a) Wearing safety equipment
b) Doing things in one's own way
c) Performing with highly skilled working practice
 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
b) As it looks better
c) As it will not obstruct traffic at ground level
 d) None of the above
17. The key functions of safety management system are:
1. Planning for safety,
2. Organizing for safety,
3. Scheduling for safety,
4. Controlling for safety
- a) 1, 3 and 4 are correct
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c) 1, 2 and 3 are correct
 d) 1, 2 and 4 are correct
18. Which cost is not include in direct accidents costs?
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d) Fees for legal counsel
19. How occupational disease caused in industrial environment?
- a) Negligence
b) Lack of knowledge
c) Improper handling of machines
 d) Persons exposed to substance or process
20. Setting up of National Safety Council (NSC) in India in _____
- a) 1956
b) 1976
c) 1986
 d) 1966
21. Whenever workmen have to excavate in trenches in soil, soft rock or hard soil exceeding _____ in depth, the trenches should be securely shored and timbered.
- a) 2 m
b) 1.5 m
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22. If work of piling is to be carried out at night, minimum _____ lux luminae lights should be used.

- a) 60
b) 200
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- a) Unsafe physical condition
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Name of the Student : Anul Jennifer C

Year/Sem: IV/VII

AU Register Number: 912619103002

Value Added Course on “Construction Safety and Practices”

MCQ QUESTIONS (25X4 = 100 Marks)

1. While using ladder one should not lean sideways more than _____.
a) 40 cms
b) 50 cms
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d) Fees for legal counsel
5. Carelessness is the cause of an accident that can be attributed to
a) Planning, organization
b) Execution of work
c) Management
d) None of the above
6. The reason for considering safety include
a) Humanitarian concern
b) Economic reasons
c) Laws and Regulations
d) All the above

20
25
P.D.M

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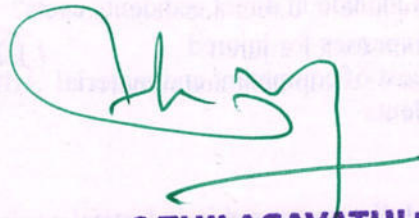
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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Name of the Student : S. Subathya

Year/Sem: III / V

AU Register Number: 912620103004

Value Added Course on “Construction Safety and Practices”

MCQ QUESTIONS (25X4 = 100 Marks)

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DEPARTMENT OF CIVIL ENGINEERING

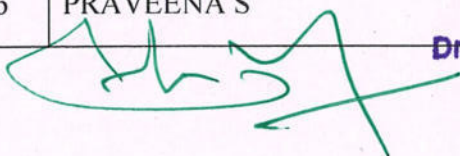
ACADEMIC YEAR 2022-2023 (ODD SEM)

MARK SHEET FOR VALUE ADDED COURSE- CONSTRUCTION SAFETY & PRACTICES

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	ATTENDANCE DETAILS		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No of Sessions Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (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



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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	11	92	17	68	80
15	912620103302	MEGALA V	III/CIVIL	11	92	19	76	84
16	912619103001	AJITHA T	IV/CIVIL	11	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

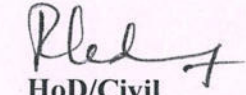


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22	912619103007	PRIYADHARSHINI K	IV/CIVIL	12	100	22	88	94
23	912619103009	RAGAVI V	IV/CIVIL	12	100	22	88	94
24	912619103301	LILLY JOHN J	IV/CIVIL	11	92	20	80	86
25	912619103302	BHUVANI S	IV/CIVIL	10	83	16	64	74


VAC Coordinator


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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.	Disaster Mitigation and Preparedness	1.Mrs.R.Padma Rani, Assistant Professor, Department of Civil Engineering. Sri Bharathi Engineering College for Women, Kaikkurichi, Pudukkottai.
		2.Ms.Raci.Mahizhini, 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

Rledy
HoD/Civil 25/1/23
HOD / CIVIL

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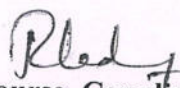
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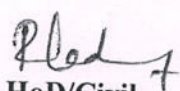
ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

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


HoD/Civil
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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 (EVEN SEM)

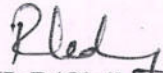
STUDENTS PARTICIPATION LIST-CERTIFICATE COURSE

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	GEETHA M	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
Kaikkurichi - 622 303, Pudukkottai Dt.


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PUDUKKOTTAI - 622 303



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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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	DATE: 30.01.23		DATE: 31.01.23		DATE: 01.02.23		DATE: 02.02.23		DATE: 03.02.23		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	912621103001	AKILA G	II/CIVIL	/	a	/	/	/	/	/	/	/	9	G. Akila	
2	912621103003	JAYABHARATHI R	II/CIVIL	/	/	/	/	/	/	/	/	/	10	R. Jayabharathi	
3	912621103004	JAYA MANOHARI B	II/CIVIL	/	/	/	/	/	/	/	/	/	10	J. Manohari B.	
4	912621103005	PRIYADHARSHINI A	II/CIVIL	/	/	/	/	/	/	/	/	/	10	P. Priyadharshini A.	
5	912621103006	RABIA BANU M	II/CIVIL	/	/	/	a	/	/	/	a	/	8	M. Rabia Banu	
6	912621103007	SHERLIN KAVYA B	II/CIVIL	/	/	/	/	/	/	/	/	/	10	B. Sherlin Kavya	
7	912621103301	JENIFAR A	II/CIVIL	/	a	/	/	/	a	/	/	/	8	J. Jenifar A.	
8	912621103302	KALAIARASI G	II/CIVIL	/	/	/	/	/	/	/	a	/	9	G. Kalaiarasi	
9	912620103001	ASWINI T	III/CIVIL	/	/	/	a	/	/	/	/	/	9	T. Aswini	

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PRINCIPAL

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Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303

10	912620103002	GEETHA M	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	10	M. Gnantha
11	912620103003	KEERTHI S	III/CIVIL	1	a	1	1	1	1	1	1	1	1	1	9	S. Keerthi
12	912620103004	SUBATHRA S	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	10	S. Subathra.
13	912620103301	BHAVANI S	III/CIVIL	1	1	1	1	1	1	1	1	1	a	1	9	
14	912620103302	MEGALA V	III/CIVIL	1	1	1	1	1	1	1	a	1	1	1	9	v. Megha.

Course Coordinator

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PUDUKKOTTAI - 622 303

Dr. S. THILAGAVATHI M.E., Ph.D.,
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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.		Ms.Raci.Mahizhini, Assistant Professor, Department of Civil Engineering.		
Date of conduct from :	30.01.2023	To:	03.02.2023	Duration:	30 Hours
Organized Department :	CIVIL ENGINEERING				
Participant Year:	2, 3	Semester:	EVEN	No. of Students Registered :	14
Venue:	First Floor - Lecture Hall:31				

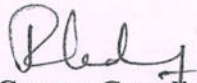
Outcome of Certificate Course (CC) : Students can able to

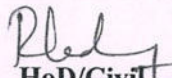
- Understand disasters, disaster preparedness and apply the mitigation measures
- Identify the natural and environmental disasters, its causes and apply preventive measures.
- Explain about the organizational and administrative strategies for managing disasters.
- Understand the working of early warning 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.

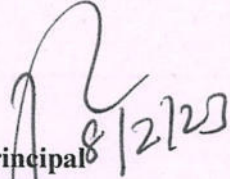
No. of students successfully completed the Certificate Course is **14 students** based on the following assessment process.

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


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Principal
PRINCIPAL

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PUDUKKOTTAI - 622 303

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PUDUKKOTTAI DISTRICT


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



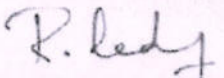
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

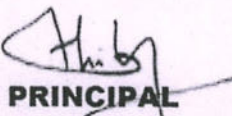
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

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 30th January 2023 to 3rd February 2023 (5 days) during the Academic year 2022-2023.


COURSE COORDINATOR


PRINCIPAL


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



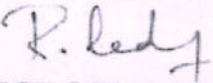
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

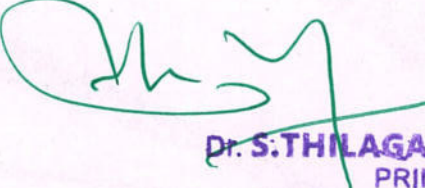
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

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 3rd February 2023 (5 days) during the Academic year 2022-2023.


COURSE COORDINATOR




PRINCIPAL

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

- Disaster Management includes: _____
 - Mitigation
 - Reconstruction
 - Rehabilitation
 - All of the above
- Which of the following should be practiced during LPG leakage?
 - Open windows
 - Close windows
 - Hide under chair
 - Switch on the light
- Which of the following is the objective of pre-disaster management?
 - Collect information
 - Participation of people
 - First aid
 - Mock drill
- Which of the following is considered as geological disaster?
 - Earthquake
 - War
 - Famine
 - Terrorism
- Who is the chairman of the district disaster management authority?
 - Mayor
 - Collector
 - President
 - Common people
- Farming practices are restarted in _____
 - Reconstruction phase
 - Transitional phase
 - Preparatory Phase
 - Last phase
- Which of the following is considered as objective of disaster management?
 - Dispose dead bodies
 - Supplying of essential commodities
 - Rehabilitation of disaster victims
 - All of these
- Which are the effects of dry famine?
 - Loss of life
 - Collapse of building
 - Soil erosion
 - Water logging
- Which are the destructive effects of flood?
 - Collapsing of bridges
 - flooding of coastal villages and shortage of food
 - Soil erosion
 - All of these


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

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

PRINCIPAL

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COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

23. The primary goal of a disaster preparedness plan is:
- a) To protect the population
 - b) To protect valuable resources
 - c) To keep communications lines open
 - d) To protect environmental health personnel
24. Which of the following is a disaster mitigation strategy?
- a) Constructing cyclone shelters
 - 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
 - b) Medicines for affected people
 - c) Provides relief measures
 - d) All the above



Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Certificate Course on “Disaster Mitigation and Preparedness”

ANSWER KEY

1	d	6	a	11	c	16	c	21	c
2	a	7	d	12	a	17	c	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	c	15	d	20	b	25	a

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PRINCIPAL
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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student : M. Geetha

Year/Sem: III / VI

AU Register Number: 912620103002

21
25
Pm

Certificate Course on “Disaster Mitigation and Preparedness”

MCQ QUESTIONS (25X4 = 100 Marks)

- Disaster Management includes: _____
a) Mitigation
b) Reconstruction
c) Rehabilitation
d) All of the above
- Which of the following should be practiced during LPG leakage?
a) Open windows
b) Close windows
c) Hide under chair
d) Switch on the light
- Which of the following is the objective of pre-disaster management?
a) Collect information
b) Participation of people
c) First aid
d) Mock drill
- Which of the following is considered as geological disaster?
a) Earthquake
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COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student : *Sherlin Kavya*

Year/Sem: *II / IV*

AU Register Number: *912621103007*

22
—
25

Certificate Course on “Disaster Mitigation and Preparedness”

MCQ QUESTIONS (25X4 = 100 Marks)

- Disaster Management includes: _____.
a) Mitigation
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[Signature]
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PRINCIPAL
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COLLEGE FOR WOMEN
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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student : G. KALAIARASI

Year/Sem: 2nd year - IV

AU Register Number: 912621103302

Certificate Course on “Disaster Mitigation and Preparedness”

MCQ QUESTIONS (25X4 = 100 Marks)

- Disaster Management includes: _____
a) Mitigation
b) Reconstruction
c) Rehabilitation
d) All of the above
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b) War
c) Famine
d) Terrorism
- Who is the chairman of the district disaster management authority?
a) Mayor
b) Collector
c) President
d) Common people
- Farming practices are restarted in _____.
a) Reconstruction phase
b) Transitional phase
c) Preparatory Phase
d) Last phase
- Which of the following is considered as objective of disaster management?
a) Dispose dead bodies
b) Supplying of essential commodities
c) Rehabilitation of disaster victims
d) All of these
- Which are the effects of dry famine?
a) Loss of life
b) Collapse of building
c) Soil erosion
d) Water logging
- Which are the destructive effects of flood?
a) Collapsing of bridges
b) flooding of coastal villages and shortage of food
c) Soil erosion
d) All of these

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10. District-wise Disaster Control Unit keeps in contact with _____
- a) Army **(c) Both (a) and (b)**
 b) 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 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 for 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 conveyed through
- a) Newspaper c) Television
 b) Radio network d) All of the above
19. Structural and Non-structural measures are 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 mitigation 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 **(c) Casualty management**
 b) Medical assistant d) All of the above
22. The most essential item that the disaster stricken populations must be provided with is
- a) Shelter material c) Fuel
 b) Drinking water d) All of the above

23. The primary goal of a disaster preparedness plan is:
- a) To protect the population
 - b) To protect valuable resources
 - c) To keep communications lines open
 - d) To protect environmental health personnel
24. Which of the following is a disaster mitigation strategy?
- a) Constructing cyclone shelters
 - 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
 - b) Medicines for affected people
 - c) Provides relief measures
 - d) All the above



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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 (EVEN SEM)

MARK SHEET FOR CERTIFICATE COURSE- DISASTER MITIGATION & PREPAREDNESS

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	ATTENDANCE DETAILS		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No of Sessions Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (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


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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

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ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Date: 25/01/2023

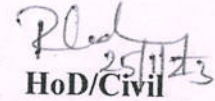
DEPARTMENT CIRCULAR

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


25/1/23
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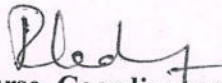
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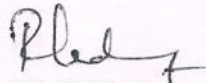
ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

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	-


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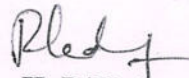
ACADEMIC YEAR 2022-2023 (EVEN SEM)

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


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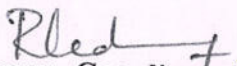
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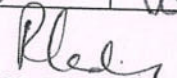
ACADEMIC YEAR 2022-2023 (EVEN SEM)

ATTENDANCE SHEET FOR CERTIFICATE COURSE - DISASTER MITIGATION & PREPAREDNESS

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	06.02.23	13.02.23	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 ATTENDED	SIGNATURE OF THE STUDENT
				AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN		
1	912619103001	AJITHA T	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	1	10	Ajitha
2	912619103002	ARULJENIFAR C	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	1	10	Aruljenifar
3	912619103003	DIVYA V	IV/CIVIL	1	a	1	1	1	1	1	1	1	1	1	10	Divya
4	912619103004	MANGAIYARKARASI G	IV/CIVIL	1	1	a	1	a	1	1	1	1	1	1	9	Mangaiyarkarasi
5	912619103005	MUTHULAKSHMI S	IV/CIVIL	1	1	1	1	1	1	a	1	1	1	1	8	Muthulakshmi
6	912619103006	PRAVEENA S	IV/CIVIL	1	a	1	1	1	1	1	1	1	1	1	9	Praveena
7	912619103007	PRIYADHARSHINI K	IV/CIVIL	1	1	1	1	1	1	1	a	1	1	1	9	Priyadharshini
8	912619103009	RAGAVI V	IV/CIVIL	1	1	1	1	1	1	1	a	1	1	1	9	Ragavi
9	912619103301	LILLY JOHN J	IV/CIVIL	1	1	1	1	1	1	1	1	a	1	1	9	Lilly John
10	912619103302	BHUVANI S	IV/CIVIL	1	a	1	1	a	1	1	1	1	1	1	10	Bhuvani


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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: **4** Semester: **EVEN** No. of Students Registered : **10**

Venue: **First Floor - Lecture Hall:30**

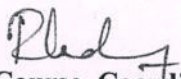
Outcome of Certificate Course (CC) : Students can able to

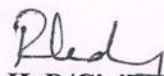
- Understand disasters, disaster preparedness and apply the mitigation measures
- Identify the natural and environmental disasters, its causes and apply preventive measures.
- Explain about the organizational and administrative strategies for managing disasters.
- Understand the working of early warning 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.

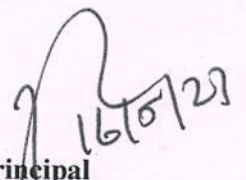
No. of students successfully completed the Certificate Course is **10 students** based on the following assessment process.

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)


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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

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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

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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 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 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
 - c) 4
 - d) 2
4. To measure flood variability, _____ is used widely.
 - a) FFMI
 - b) FI
 - c) FMI
 - d) FFI
5. Disaster management deals with situation that occurs after the disaster.
 - a) True
 - b) False
6. How many elements of disaster management are there?
 - a) 8
 - b) 7
 - c) 4
 - d) 6

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7. Which of the below is an example of slow-onset disaster?

- a) Earthquake
- b) Tsunami
- c) Cyclone
- d) Draught

8. How many phases of disaster response are there?

- 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 from shore.

- a) 25
- b) 100
- c) 50
- d) 85

11. The National Institute of Disaster Management (NIDM) was established on _____.

- a) September 23, 2002
- b) August 14, 2001
- c) October 16, 2003
- d) August 14, 2004

12. In which city the National Institute of Disaster Management is situated?


- a. Kolkata
- b. 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
- d. None of the above

14. Which of the following are the common factors of wildfire hazards?

- a. Volcanic eruption
- b. El-Nino



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- c. Volcanic Lightning and thundering
- d. All of the above

15. India's total cyclone-prone area is

- a. 15%
- b. 10%
- c. 8%
- d. 20%

16. Which method is widely used to measure flood variability?

- a. FFI
- b. FFMI
- c. FI
- d. FMI

17. How many steps are there in the disaster recovery process?

- a. 7
- b. 4
- c. 8
- d. 5

18. To detect Tsunami along the coast, coastal tide gauges are placed.....km away?

- a. 100
- b. 75
- c. 50
- d. 25

19. How many distinct types of actions are defined as part of disaster management?

- a. 4
- b. 7
- c. 5
- d. 6

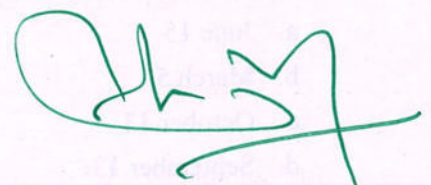
20. International Day of Natural Disaster Reduction is celebrated on?

- a. June 15
- b. March 5
- c. October 13
- d. September 13

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21. What is the location of the International Tsunami Information Center?
- Honolulu
 - Hyderabad
 - Goa
 - Pondicherry
22. Select the correct full form of ISDR?
- International Sustainable Development Report
 - International Strategy for Disaster Reduction
 - International Significant Disaster Resources
 - Intergovernmental Strategy for developing Recreation
23. What devices are used to track minute changes in volcanoes' ground slope and shape?
- Strain meters
 - Tiltmeter
 - Both a and b
 - None of these
24. Who released the first Disaster Management Plan of India?
- H. D. Deve Gowda
 - Atal Bihari Vajpayee
 - Manmohan Singh
 - 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?
- Above 200 km
 - Above 110 km
 - Above 220 km
 - None of the above



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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	b	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	c	15	c	20	c	25	c

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



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student : *Murthu Lakshmi S*

Year/Sem: *IV/VIII*

AU Register Number: *912619103005*

22

25

Certificate Course on “Disaster Mitigation and Preparedness”

MCQ QUESTIONS (25X4 = 100 Marks)

- Disasters can be broadly termed as _____ types.
 a) 2
 b) 4
 c) 5
 d) 3
- The annual flood peaks in India are recorded in months of:
 a) June, July
 b) July, August
 c) July, September
 d) August, September
- Uttarakhand lies in zone _____ of Earthquake prone areas.
 a) 5
 b) 3
 c) 4
 d) 2
- To measure flood variability, _____ is used widely.
 a) FFMI
 b) FI
 c) FMI
 d) FFI
- Disaster management deals with situation that occurs after the disaster.
 a) True
 b) False
- How many elements of disaster management are there?
 a) 8
 b) 7
 c) 4
 d) 6


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7. Which of the below is an example of slow-onset disaster?

- a) Earthquake
- b) Tsunami
- c) Cyclone
- d) Draught

8. How many phases of disaster response are there?

- 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 from shore.

- a) 25
- b) 100
- c) 50
- d) 85

11. The National Institute of Disaster Management (NIDM) was established on _____.

- a) September 23, 2002
- b) August 14, 2001
- c) October 16, 2003
- d) August 14, 2004

12. In which city the National Institute of Disaster Management is situated?

- a. Kolkata
- b. 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
- d. None of the above

14. Which of the following are the common factors of wildfire hazards?

- a. Volcanic eruption
- b. El-Nino


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Kalkkurchi - 622 303, Pudukkottai DL

- c. Volcanic Lightning and thundering
- d. All of the above

15. India's total cyclone-prone area is

- a. 15%
- b. 10%
- c. 8%
- d. 20%

16. Which method is widely used to measure flood variability?

- a. FFI
- b. FFMI
- c. FI
- d. FMI

17. How many steps are there in the disaster recovery process?

- a. 7
- b. 4
- c. 8
- d. 5

18. To detect Tsunami along the coast, coastal tide gauges are placed.....km away?

- a. 100
- b. 75
- c. 50
- d. 25

19. How many distinct types of actions are defined as part of disaster management?

- a. 4
- b. 7
- c. 5
- d. 6

20. International Day of Natural Disaster Reduction is celebrated on?

- a. June 15
- b. March 5
- c. October 13
- d. September 13


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COLLEGE FOR WOMEN
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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?

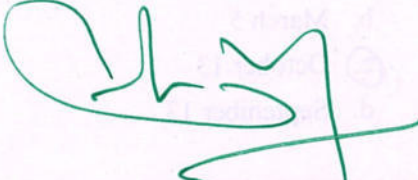
- a. Strain meters
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24. Who released the first Disaster Management Plan of India?

- a. H. D. Deve Gowda
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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
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 / EVEN SEMESTER

Name of the Student : S. Praveena

Year/Sem: IV / VIII

19
25

AU Register Number: 912619103006

Certificate Course on “Disaster Mitigation and Preparedness”

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3. Uttarakhand lies in zone _____ of Earthquake prone areas.

- a) 5
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4. To measure flood variability, _____ is used widely.

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5. Disaster management deals with situation that occurs after the disaster.

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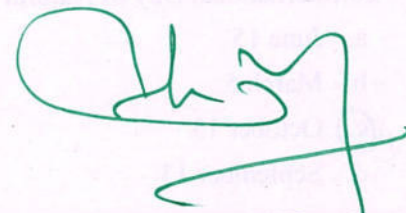
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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2022-2023 (EVEN SEM)

MARK SHEET FOR CERTIFICATE COURSE- DISASTER MITIGATION & PREPAREDNESS

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	ATTENDANCE DETAILS		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No of Sessions Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1	912619103001	AJITHA T	IV/CIVIL	9	27	20	90	80
2	912619103002	ARULJENIFAR C	IV/CIVIL	10	30	21	100	84
3	912619103003	DIVYA V	IV/CIVIL	8	24	17	80	68
4	912619103004	MANGAIYARKARASI G	IV/CIVIL	8	24	18	80	72
5	912619103005	MUTHULAKSHMI S	IV/CIVIL	9	27	22	90	88
6	912619103006	PRAVEENA S	IV/CIVIL	9	27	19	90	76
7	912619103007	PRIYADHARSHINI K	IV/CIVIL	9	27	21	90	84

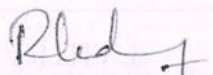
Dr. S.THILAGAVATHI M.E., Ph.D.,

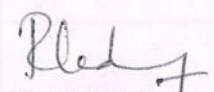
PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kaikkurichi - 622 303 Pudukkottai Dt

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
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KAIKKURICHI,
PUDUKKOTTAI - 622 303


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



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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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	International Conference
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	
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	Symposium
12.	912619103005	Muthulakshmi S	IV/VIII	
13.	912619103009	Ragavi V	IV/VIII	

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PRINCIPAL
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KAIKKURICHI,
PUDUKKOTTAI - 622 303

[Signature]
HoD/ Civil



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



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

Dr. S. THILAGAVATHI M.E., PhD
Principal
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.

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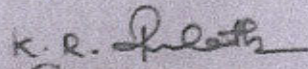
CERTIFICATE

ICETET'23

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
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Convener

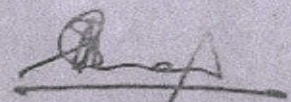
Dr. K. R. Premlatha


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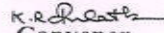
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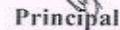
ICETET'23

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This is to certify that Dr/Mr/Ms V. DIVYA
of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAI
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Convener
Dr.K.R.Premilatha


Principal
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CERTIFICATE

ICETET'23

28th & 29th April, 2023



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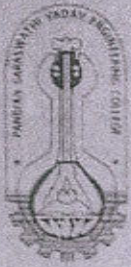
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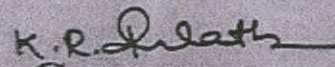
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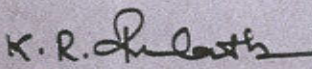
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COLLEGE FOR WOMEN**
Kalkkurchi - 622 303, Pudukkotta, Dt.

PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(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




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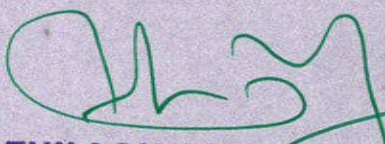
ICETET'23

28th & 29th April, 2023



This is to certify that Dr/Mr/Ms K- PRIYADHARSHINI
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
Technology (ICETET'23) held on 28th & 29th April, 2023.


Convener
Dr.K.R.Premlatha


Principal
Dr. R. Raja

Dr. **S.THILAGAVATHI** M.E., Ph.D.,
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COLLEGE FOR WOMEN
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Managing Director
Er. S.P. Varadharajan

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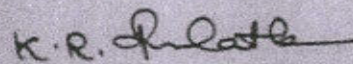
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28th & 29th April, 2023



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


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Principal
Dr. R. Raja

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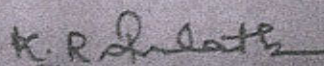
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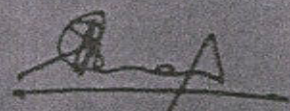
28th & 29th April, 2023



This is to certify that Dr/Mr/Ms J. LILLY JOHN
of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAI
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
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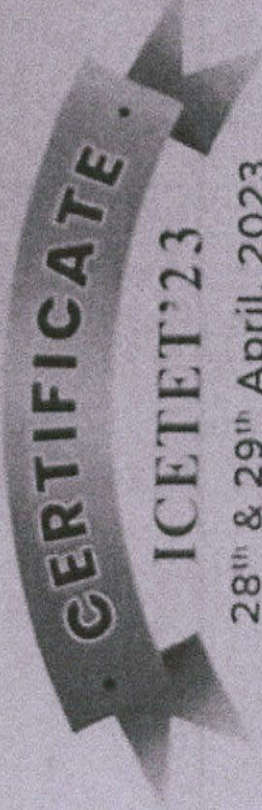

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Er. S. P. Varadharajan

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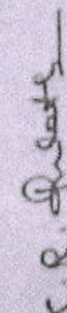
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This is to certify that Dr/Mr/Ms S. BHUVANI
of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN, PUDUKKOTTAI
has participated & presented a paper entitled USANCE OF GROUNDNOT
SHELL ASH AND WASTE CARDBOARD PULP IN CONCRETE
in 10th International Conference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


K.R. Premalatha
Convener
Dr.K.R.Premalatha


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


Managing Director
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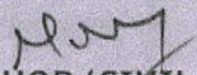
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Department of Civil Engineering

Certificate

This is to certify that Mr. /Ms. ARUL JENIFAR . C
of SRI BHARATHI ENGINEERING COLLEGE has won 1st
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, Pudukkottai Dt.


HOD/CIVIL
Dr. M. Meignanamoorthy


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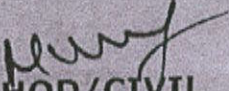
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Department of Civil Engineering

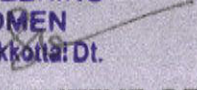
Participation Certificate

This is to certify that Mr. /Ms. S. MOTHULAKSHMI
of Sri bhavathi 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.

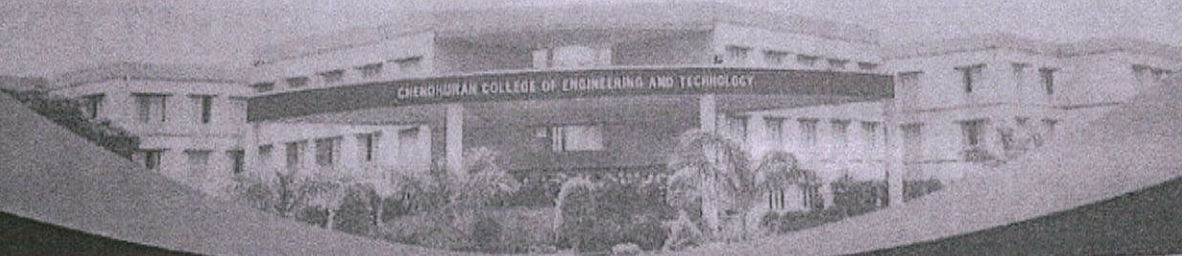

Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
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of Sri Bharathi College of Engineering, has won IIIrd
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Technology, held on 3rd March 2023.


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

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