



# 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](http://www.sbec.edu.in)

## NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 1

CURRICULAR ASPECTS

Submitted by

**IQAC**

**Internal Quality Assurance Cell**

Sri Bharathi Engineering College for Women



# SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25

KAIKKURUCHI, PUDUKOTTAI – 622 303

DEPARTMENT OF CIVIL ENGINEERING

**ACADEMIC YEAR 2018-2019 / ODD SEMESTER**

## **1.2 Academic Flexibility (30)**

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

<b>VAC Title:</b>	<b>EARTHQUAKE RESISTANT DESIGN OF FOUNDATION</b>				
<b>Resource Person:</b>	Er.A.Ragupathy Raja, Design Engineer, MR Construction and Promoters, Thanjavur.				
<b>Date of conduct from :</b>	<b>12.06.2018</b>	<b>To:</b>	<b>18.06.2018</b>	<b>Duration:</b>	<b>30 Hours</b>
<b>Organized Department :</b>	<b>CIVIL ENGINEERING</b>				
<b>Participant Year:</b>	<b>2/ 3 /4</b>	<b>Semester:</b>	<b>ODD</b>	<b>No. of Students Registered :</b>	<b>41</b>
<b>Venue:</b>	<b>First Floor - Lecture Hall : 30</b>				

## **TABLE OF CONTENTS**

<b>SNO</b>	<b>DOCUMENT</b>	<b>PAGE-NO</b>
1	Certificate Course Circular	3-3
2	Certificate Course Schedule	4-4
3	List of students participants	5-6
4	Attendance Of Students	7-9
5	Certificate Course Report	10-10
6	Course Completion Certificates	11-13
7	Certificate Course Test Paper	14-16
8	Certificate Course Answer Key	17-17
9	Certificate Course Test Answer Sheet-Sample	18-26
10	Certificate Course Mark Statement	27-30





# 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 2018-2019 / ODD SEMESTER

Date:13/ 06/2018

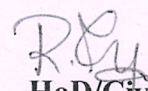
#### DEPARTMENT CIRCULAR

Value added course offered by the Department of Civil Engineering for all Second, Third & Final year Civil Engineering students on “Earthquake Resistant Design of Foundation” in association with MR Construction and Promoters from 18.06.2018 to 22.06.2018. Certificates will be issued to the eligible participants at the end of the Course.

S.No.	Name of the Course	Resource Person
1.	Earthquake Resistant Design of Foundation	Er.A.Ragupathy Raja, Design Engineer, MR Construction and Promoters, Thanjavur.

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 13/6/18  
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  
Kaikkurichi - 622 303, Pudukkottai Dt.





# 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 2018-2019 / ODD SEMESTER

Value Added Course on “Earthquake Resistant Design of Foundation”

## SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	General requirements, types of shallow and deep foundations and their use	3	18.06.2018
2	IS codes for bearing capacity and settlement of foundations	3	18.06.2018
3	Dynamic Bearing Capacity under Transient & Earthquake Type Loads	3	19.06.2018
4	Dynamic Analysis of shallow foundations for various modes of vibrations	3	19.06.2018
5	Bearing Capacity under Transient & Earthquake Type Loads: Types of dynamic loads;	3	20.06.2018
6	Pile load capacity in compression, Laterally loaded piles, elastic analysis	3	20.06.2018
7	Pile with dynamic loads, Well Foundations & Caissons & Lateral stability of well foundations	3	21.06.2018
8	Dynamic Bearing Capacity and Design Data: Dynamic Analysis of shallow foundations for various modes of vibrations,	3	21.06.2018
9	Design seismic coefficients for various foundation soil systems, provisions of IS codes and their limitations; seismic coefficient and response spectra methods	3	22.06.2018
10	Modelling of Unbounded Soil Media for Dynamic Loads	3	22.06.2018
<b>Total Hours</b>		30	

  
VAC Coordinator

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

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





# 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 2018-2019 (ODD SEM)

STUDENTS PARTICIPATION LIST-VAC PROGRAM

EARTHQUAKE RESISTANT DESIGN OF FOUNDATION

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/BRANCH
1	912617103001	CHANDRIKA.C	II/CIVIL
2	912617103002	DHESIKAPARTHI.D	II/CIVIL
3	912617103003	KARTHIKA.K	II/CIVIL
4	912617103004	KASTHURI.K	II/CIVIL
5	912617103005	MONIKA.K	II/CIVIL
6	912617103006	MUTHUMEENA.P	II/CIVIL
7	912617103007	POTHUMPEN.A	II/CIVIL
8	912617103008	PRIYADHARSHINI.S	II/CIVIL
9	912617103009	RAJESWARI.J	II/CIVIL
10	912617103010	SIVAPRIYA.S	II/CIVIL
11	912617103701	LAKSHMI A	II/CIVIL
12	912616103001	AARTHI.G	III/CIVIL
13	912616103002	ANANTHI.S	III/CIVIL
14	912616103003	ANUSIYA.C	III/CIVIL
15	912616103004	KANIMOZHI.P	III/CIVIL
16	912616103005	LAVANYA.K	III/CIVIL
17	912616103006	MASILAMANI.M	III/CIVIL
18	912616103007	MENAKA.R	III/CIVIL

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

PRINCIPAL

SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.



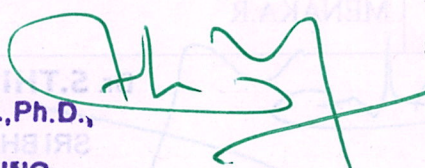
19	912616103008	PRAVEENA.M	III/CIVIL
20	912616103301	GOWSIKA N	III/CIVIL
21	912616103302	KALISWARI M	III/CIVIL
22	912616103303	MAHESWARI M	III/CIVIL
23	912616103304	SARATHAPRITHA S	III/CIVIL
24	912615103001	ABINAYA .S	IV/CIVIL
25	912615103002	ALAMELU MANGAI .M	IV/CIVIL
26	912615103004	ANANTHI .V	IV/CIVIL
27	912615103005	AYESHA NAJUM .M	IV/CIVIL
28	912615103006	ELAMATHI .G	IV/CIVIL
29	912615103007	ELANTHENDRAL .N	IV/CIVIL
30	912615103008	GAYATHRI .R	IV/CIVIL
31	912615103009	GOMATHI .S	IV/CIVIL
32	912615103010	HARITHA .S	IV/CIVIL
33	912615103011	KARTHIKA .T	IV/CIVIL
34	912615103012	MADHUMITHA .M	IV/CIVIL
35	912615103013	RAIHANAJASMINE .A.S	IV/CIVIL
36	912615103014	RASIKA .R	IV/CIVIL
37	912615103015	SYED ALI FATHIMA .G	IV/CIVIL
38	912615103016	VAITHEGI .V	IV/CIVIL
39	912615103018	ZIRIN ZITHARA FATHIMA BANU .M	IV/CIVIL
40	912615103302	SURIYA T	IV/CIVIL
41	912615103303	VANMATHI M	IV/CIVIL

  
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  
Kalkkurchi - 622 303, Pudukkottai Dt





# 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 2018-2019 (ODD SEM)

ATTENDANCE SHEET FOR VALUE ADDED COURSE- EARTHQUAKE RESISTANT DESIGN OF FOUNDATION

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	DATE: 18.06.18		DATE: 19.06.18		DATE: 20.06.18		DATE: 21.06.18		DATE: 22.06.18		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	912617103001	CHANDRIKA.C	II/CIVIL	/	/	/	/	/	/	/	/	/	/	10	C. Chandrika
2	912617103002	DHESIKAPARTHI.D	II/CIVIL	/	/	/	/	/	/	/	/	/	/	10	D. Dhesikaparthi
3	912617103003	KARTHIKA.K	II/CIVIL	/	/	/	/	/	/	/	/	/	/	10	K. Karthika
4	912617103004	KASTHURI.K	II/CIVIL	/	/	/	/	/	/	a	/	/	/	9	Kasthuri.k
5	912617103005	MONIKA.K	II/CIVIL	/	/	/	/	/	a	/	/	/	/	9	Monika.k
6	912617103006	MUTHUMEENA.P	II/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Muthumeena.p
7	912617103007	POTHUMPEN.A	II/CIVIL	/	a	/	/	/	/	/	a	/	/	8	Pothumpen.a
8	912617103008	PRIYADHARSHINI.S	II/CIVIL	/	/	/	a	/	a	/	/	/	/	8	Priyadharshini.s
9	912617103009	RAJESWARI.J	II/CIVIL	/	/	/	/	/	/	/	/	/	a	9	Rajeswari.j
10	912617103010	SIVAPRIYA.S	II/CIVIL	/	a	/	/	/	/	/	/	/	/	9	S. Sivapriya

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

PRINCIPAL

SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.




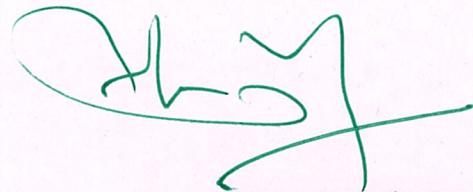
11	912617103701	LAKSHMI A	II/CIVIL	/	a	/	/	/	/	/	/	/	/	9	Lakshmi
12	912616103001	AARTHI.G	III/CIVIL	/	/	/	/	/	/	/	a	/	/	9	Arthi
13	912616103002	ANANTHI.S	III/CIVIL	/	/	/	a	/	/	/	a	/	/	8	Ananthi
14	912616103003	ANUSIYA.C	III/CIVIL	/	a	/	/	/	/	/	/	/	a	8	Anushya
15	912616103004	KANIMOZHI.P	III/CIVIL	/	/	/	/	/	a	/	/	/	/	9	Kanimo
16	912616103005	LAVANYA.K	III/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Lavanya
17	912616103006	MASILAMANI.M	III/CIVIL	/	/	/	/	/	a	/	/	/	/	9	Masilamani
18	912616103007	MENAKA.R	III/CIVIL	/	/	/	a	/	/	/	/	/	/	9	Menaka R
19	912616103008	PRAVEENA.M	III/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Preef
20	912616103301	GOWSIKA N	III/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Gowsika N
21	912616103302	KALISWARI M	III/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Kalishwari
22	912616103303	MAHESWARI M	III/CIVIL	/	/	/	/	/	/	/	a	/	/	9	Manu
23	912616103304	SARATHAPRITHA S	III/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Pritha
24	912615103001	ABINAYA .S	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Abhinaya
25	912615103002	ALAMELU MANGAI .M	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Mangai
26	912615103004	ANANTHI .V	IV/CIVIL	/	a	/	/	/	/	/	/	/	/	9	Anandhi
27	912615103005	AYESHA NAJUM .M	IV/CIVIL	/	/	/	a	/	/	/	a	/	/	8	Ayeshanajum
28	912615103006	ELAMATHI .G	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	9	Elamma

[Signature]




29	912615103007	ELANTHENDRAL .N	IV/CIVIL	/	/	/	/	/	/	/	a	/	/	9	Elanthendral
30	912615103008	GAYATHRI .R	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Gayathri
31	912615103009	GOMATHI .S	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Gomathi
32	912615103010	HARITHA .S	IV/CIVIL	/	a	/	/	/	/	/	/	/	/	9	Haritha
33	912615103011	KARTHIKA .T	IV/CIVIL	/	/	/	a	/	a	/	/	/	/	8	Karthika
34	912615103012	MADHUMITHA .M	IV/CIVIL	/	/	/	/	/	/	/	a	/	/	9	Madhumitha
35	912615103013	RAIHANAJASMINE .A.S	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Raihanajasmine
36	912615103014	RASIKA .R	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Rasika
37	912615103015	SYED ALI FATHIMA .G	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Syed Ali Fathima
38	912615103016	VAITHEGI .V	IV/CIVIL	/	a	/	/	/	/	/	/	/	/	9	Vaithengi
39	912615103018	ZIRIN ZITHARA FATHIMA BANU .M	IV/CIVIL	/	/	/	a	/	/	/	/	/	a	8	Zirin Zithara Fathima Banu
40	912615103302	SURIYA T	IV/CIVIL	/	/	/	/	/	/	/	a	/	/	9	Suriya
41	912615103303	VANMATHI M	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	10	Vanmathi

  
VAC Coordinator



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

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





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

**Report on Value Added Course**

Title:	Earthquake Resistant Design of Foundation				
Resource Person:	Er.A.Ragupathy Raja, Design Engineer, MR Construction and Promoters, Thanjavur.				
Date of conduct from :	18.06.2018	To:	22.06.2018	Duration:	30 Hours
Organized Department :	CIVIL ENGINEERING				
Participant Year:	2, 3, 4	Semester:	ODD	No. of Students Registered :	41
Venue:	First Floor - Lecture Hall:30				

**Outcome of Value Added Course (VAC): Students can able to**


- Demonstrate a familiarity with foundation engineering terminology.
- Understand the principles of geomechanics are applied in the design of foundations to resist earthquakes .
- Get knowledge about the linked activities of foundation design and structural design .
- Develop a deepening appreciation of geomechanics as a coherent body of knowledge and how it relates to the wider field of civil engineering
- Design foundations for earthquake resistant structures.


No. of students successfully completed the VAC course is **41 students** based on the following assessment process.

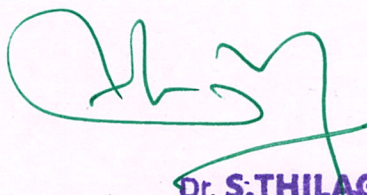
**Assessment Process**

- 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

  
HoD/Civil  
HOD / CIVIL

  
Principal  
26/06/14  
PRINCIPAL



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

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

**PRINCIPAL**  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI - 622 303.  
PUDUKKOTTAI DISTRICT





**MR Construction  
& Promoters**

State Level Class 1 Contractor (PWD, TNEB)

**CERTIFICATE OF PARTICIPATION**

*This Certificate is presented to Ms. Haritha .S of IV Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women for her active participation in 30 hours Value Added Course "Earthquake Resistant Design of Foundation" held between 18.06.2018 - 22.06.2018.*

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

Design Engineer,

MR Construction and Promoters





**MR Construction  
& Promoters**

State Level Class 1 Contractor (PWD, TNEB)

**CERTIFICATE OF PARTICIPATION**

*This Certificate is presented to Ms.Sarathapriitha S of III Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women for her active participation in 30 hours Value Added Course "Earthquake Resistant Design of Foundation" held between 18.06.2018 - 22.06.2018.*

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

Design Engineer,  
MR Construction and Promoters





**MR Construction  
& Promoters**

State Level Class 1 Contractor (PWD, TNEB)

**CERTIFICATE OF PARTICIPATION**

*This Certificate is presented to Ms.Dhesikaparthi.D of II Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women for her active participation in 30 hours Value Added Course "Earthquake Resistant Design of Foundation" held between 18.06.2018 - 22.06.2018.*

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

Design Engineer,  
MR Construction and Promoters





# 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 2018-2019 / ODD SEMESTER

Name of the Student :

Year/Sem:

AU Register Number:

Value Added Course on “Earthquake Resistant Design of Foundation”

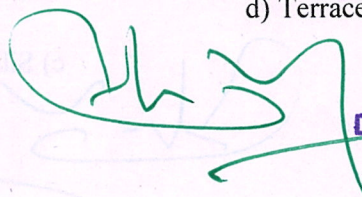
### MCQ QUESTIONS (25X4 = 100 Marks)

1. The system which comprises of the reinforced concrete column and connecting beams is known as \_\_\_\_\_  
a) RC frame  
b) RC shutter  
c) RC style  
d) RC hinge
2. While considering the design of R.C. buildings for providing ductility, IS codes prohibit the steel grade greater than \_\_\_\_\_  
a) Fe 250  
b) Fe 320  
c) Fe 415  
d) Fe 550
3. While considering the design of R.C. buildings for providing ductility, the minimum grade of concrete limited by the Indian Code is \_\_\_\_\_  
a) M 10  
b) M 20  
c) M 35  
d) M 50
4. According to the recommendations of IS 13920: 1993, the thickness of any part of the wall should not be less than \_\_\_\_\_  
a) 50 mm  
b) 100 mm  
c) 150 mm  
d) 200 mm
5. Base isolation technique was first demonstrated in India after the \_\_\_\_\_  
a) 2005 Kashmir earthquake  
b) 1991 Uttarkashi earthquake  
c) 1993 Killari earthquake  
d) 1950 Assam earthquake
6. The four-storeyed building of Bhuj Hospital was built after the \_\_\_\_\_  
a) 2001 Bhuj earthquake  
b) 1996 Bhuj earthquake  
c) 2006 Bhuj earthquake  
d) 1893 Bhuj earthquake
7. In viscous dampers, energy gets absorbed by \_\_\_\_\_ fluid which passes between the piston-cylinder arrangement.  
a) Aluminium-based  
c) Silicone-based

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



- b) Iron-based  
d) Copper-based
8. Which instrument is used to detect and record seismic waves?  
a) Barograph  
b) Seismograph  
c) Diagraph  
d) Hygrograph
9. Which one of the following in structure is the most important factors affecting its earthquake performance?  
a) Workability  
b) Serviceability  
c) Flexibility  
d) Responsibility
10. Which device act like shock absorbers between the building and its foundation?  
a) Damper  
b) Spring  
c) Base isolation  
d) Air bag
11. Which is known as hypocenter?  
a) Epicenter  
b) Focus  
c) Focal depth  
d) Epicentral distance
12. What is the percentage of the structural cost of the building in the additional cost for the earthquake resisting structure?  
a) About 1%  
b) About 2%  
c) About 3%  
d) About 5%
13. Which isolation bearings are highly elastic?  
a) Wood  
b) Steel  
c) Rubber  
d) Bearing pads
14. In which portion of tectonic plates, earthquake generally occurs?  
a) Plate boundaries  
b) Diversion plates  
c) Converging plates  
d) Middle portion
15. What is the minimum distance to be maintained for the door opening from the cross wall?  
a) End of the wall  
b) 300 mm  
c) 500 mm  
d) 1000 mm
16. Which shape of building plan is safer for earthquake resisting building?  
a) Square plan  
b) T- shaped plan  
c) H- shaped plan  
d) Plan have length more than twice the width
17. What is the distance between two through stones?  
a) 150 to 300 mm  
b) 300 to 450 mm  
c) 450 to 600 mm  
d) 600 to 750 mm
18. Which one of the following is the hard landscape?  
a) Plantation  
b) Types of trees  
c) Design of space for people  
d) Terrace gardens



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



19. Which precaution should be taken for site selection to prevent earthquake?  
a) Near unstable embankments  
b) On sloping ground  
c) Columns of different height  
d) Continuity of subsoil
20. Which of the following need not be avoided for construction of quake resistant building  
a) Uniform height  
b) Chimneys  
c) Heavy weight walls  
d) Discontinuous foundations
21. In order to secure superstructure from an earthquake Base Isolation technique is most preferred and used worldwide.  
a) Reinforcement  
b) Base Isolation  
c) Energy Dissipation  
d) Seismic Dampers
22. Indian standard criteria for earthquake resistant design of structures (first part, fifth revision) is stated by -----  
a) IS 1899, 2000  
b) IS 1894, 2000  
c) IS 1893, 2002  
d) IS 1896, 2001
23. The process by which buildings are made more resistant to earthquake is the  
a) retrofitting  
b) emanation  
c) soundproof  
d) centrally heating
24. Which of the following assumption is correct for earthquake design resistant structure?  
a) Earthquake will not occur simultaneously with wind  
b) Earthquake will occur simultaneously with maximum flood  
c) Earthquake will occur simultaneously with maximum sea waves  
d) Earthquake will occur simultaneously with wind
25. The earthquake of 7.0 can cause  
a) severe damage  
b) mild jolts  
c) medium damage  
d) no damage



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





# 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 2018-2019 / ODD SEMESTER

Value Added Course on “Earthquake Resistant Design of Foundation”

ANSWER KEY

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

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

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / ODD SEMESTER

19/25

Name of the Student : G. SYED ALI FATHIMA

Year/Sem: IV / VII

AU Register Number: 912615103015

Value Added Course on “Earthquake Resistant Design of Foundation”

## MCQ QUESTIONS (25X4 = 100 Marks)

- The system which comprises of the reinforced concrete column and connecting beams is known as \_\_\_\_\_  
 a) RC frame  
 b) RC shutter  
 c) RC style  
 d) RC hinge
- While considering the design of R.C. buildings for providing ductility, IS codes prohibit the steel grade greater than \_\_\_\_\_  
 a) Fe 250  
 b) Fe 320  
 c) Fe 415  
 d) Fe 550
- While considering the design of R.C. buildings for providing ductility, the minimum grade of concrete limited by the Indian Code is \_\_\_\_\_  
 a) M 10  
 b) M 20  
 c) M 35  
 d) M 50
- According to the recommendations of IS 13920: 1993, the thickness of any part of the wall should not be less than \_\_\_\_\_  
 a) 50 mm  
 b) 100 mm  
 c) 150 mm  
 d) 200 mm
- Base isolation technique was first demonstrated in India after the \_\_\_\_\_  
 a) 2005 Kashmir earthquake  
 b) 1991 Uttarkashi earthquake  
 c) 1993 Killari earthquake  
 d) 1950 Assam earthquake
- The four-storeyed building of Bhuj Hospital was built after the \_\_\_\_\_  
 a) 2001 Bhuj earthquake  
 b) 1996 Bhuj earthquake  
 c) 2006 Bhuj earthquake  
 d) 1893 Bhuj earthquake
- In viscous dampers, energy gets absorbed by \_\_\_\_\_ fluid which passes between the piston-cylinder arrangement.  
 a) Aluminium-based  
 c) Silicone-based

*[Handwritten signature in green ink]*

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

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



- b) Iron-based  
d) Copper-based
8. Which instrument is used to detect and record seismic waves?  
a) Barograph  
 b) Seismograph  
c) Diagraph  
d) Hygrograph
9. Which one of the following in structure is the most important factors affecting its earthquake performance?  
a) Workability  
b) Serviceability  
 c) Flexibility  
d) Responsibility
10. Which device act like shock absorbers between the building and its foundation?  
a) Damper  
b) Spring  
 c) Base isolation  
d) Air bag
11. Which is known as hypocenter?  
a) Epicenter  
 b) Focus  
 c) Focal depth  
d) Epicentral distance
12. What is the percentage of the structural cost of the building in the additional cost for the earthquake resisting structure?  
a) About 1%  
b) About 2%  
 c) About 3%  
 d) About 5%
13. Which isolation bearings are highly elastic?  
a) Wood  
b) Steel  
 c) Rubber  
d) Bearing pads
14. In which portion of tectonic plates, earthquake generally occurs?  
 a) Plate boundaries  
b) Diversion plates  
c) Converging plates  
 d) Middle portion
15. What is the minimum distance to be maintained for the door opening from the cross wall?  
a) End of the wall  
b) 300 mm  
 c) 500 mm  
d) 1000 mm
16. Which shape of building plan is safer for earthquake resisting building?  
 a) Square plan  
b) T- shaped plan  
c) H- shaped plan  
d) Plan have length more than twice the width
17. What is the distance between two through stones?  
a) 150 to 300 mm  
b) 300 to 450 mm  
 c) 450 to 600 mm  
 d) 600 to 750 mm
18. Which one of the following is the hard landscape?  
 a) Plantation  
b) Types of trees  
 c) Design of space for people  
d) Terrace gardens

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



19. Which precaution should be taken for site selection to prevent earthquake?  
a) Near unstable embankments  
b) On sloping ground  
c) Columns of different height  
d)  Continuity of subsoil
20. Which of the following need not be avoided for construction of quake resistant building  
a)  Uniform height  
b) Chimneys  
c) Heavy weight walls  
d) Discontinuous foundations
21. In order to secure superstructure from an earthquake Base Isolation technique is most preferred and used worldwide.  
a) Reinforcement  
b)  Base Isolation  
c) Energy Dissipation  
d) Seismic Dampers
22. Indian standard criteria for earthquake resistant design of structures (first part, fifth revision) is stated by -----  
a) IS 1899, 2000  
b) IS 1894, 2000  
c) IS 1893, 2002  
d)  IS 1896, 2001
23. The process by which buildings are made more resistant to earthquake is the  
a)  retrofitting  
b) emanation  
c) soundproof  
d) centrally heating
24. Which of the following assumption is correct for earthquake design resistant structure?  
a)  Earthquake will not occur simultaneously with wind  
b)  Earthquake will occur simultaneously with maximum flood  
c) Earthquake will occur simultaneously with maximum sea waves  
d) Earthquake will occur simultaneously with wind
25. The earthquake of 7.0 can cause  
a)  severe damage  
b) mild jolts  
c) medium damage  
d) no damage



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





# 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 2018-2019 / ODD SEMESTER

Name of the Student : P. Karimoghi

Year/Sem: III / V

AU Register Number: 912616103004

Value Added Course on “Earthquake Resistant Design of Foundation”

## MCQ QUESTIONS (25X4 = 100 Marks)

1. The system which comprises of the reinforced concrete column and connecting beams is known as \_\_\_\_\_  
a) RC frame  
b) RC shutter  
c) RC style  
d) RC hinge
2. While considering the design of R.C. buildings for providing ductility, IS codes prohibit the steel grade greater than \_\_\_\_\_  
a) Fe 250  
b) Fe 320  
c) Fe 415  
d) Fe 550
3. While considering the design of R.C. buildings for providing ductility, the minimum grade of concrete limited by the Indian Code is \_\_\_\_\_  
a) M 10  
b) M 20  
c) M 35  
d) M 50
4. According to the recommendations of IS 13920: 1993, the thickness of any part of the wall should not be less than \_\_\_\_\_  
a) 50 mm  
b) 100 mm  
c) 150 mm  
d) 200 mm
5. Base isolation technique was first demonstrated in India after the \_\_\_\_\_  
a) 2005 Kashmir earthquake  
b) 1991 Uttarkashi earthquake  
c) 1993 Killari earthquake  
d) 1950 Assam earthquake
6. The four-storeyed building of Bhuj Hospital was built after the \_\_\_\_\_  
a) 2001 Bhuj earthquake  
b) 1996 Bhuj earthquake  
c) 2006 Bhuj earthquake  
d) 1893 Bhuj earthquake
7. In viscous dampers, energy gets absorbed by \_\_\_\_\_ fluid which passes between the piston-cylinder arrangement.  
a) Aluminium-based  
c) Silicone-based

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



- b) Iron-based  
d) Copper-based
8. Which instrument is used to detect and record seismic waves?  
 a) Barograph  
 b) Seismograph  
 c) Diagraph  
 d) Hygrograph
9. Which one of the following in structure is the most important factors affecting its earthquake performance?  
 a) Workability  
 b) Serviceability  
 c) Flexibility  
 d) Responsibility
10. Which device act like shock absorbers between the building and its foundation?  
 a) Damper  
 b) Spring  
 c) Base isolation  
 d) Air bag
11. Which is known as hypocenter?  
 a) Epicenter  
 b) Focus  
 c) Focal depth  
 d) Epicentral distance
12. What is the percentage of the structural cost of the building in the additional cost for the earthquake resisting structure?  
 a) About 1%  
 b) About 2%  
 c) About 3%  
 d) About 5%
13. Which isolation bearings are highly elastic?  
 a) Wood  
 b) Steel  
 c) Rubber  
 d) Bearing pads
14. In which portion of tectonic plates, earthquake generally occurs?  
 a) Plate boundaries  
 b) Diversion plates  
 c) Converging plates  
 d) Middle portion
15. What is the minimum distance to be maintained for the door opening from the cross wall?  
 a) End of the wall  
 b) 300 mm  
 c) 500 mm  
 d) 1000 mm
16. Which shape of building plan is safer for earthquake resisting building?  
 a) Square plan  
 b) T- shaped plan  
 c) H- shaped plan  
 d) Plan have length more than twice the width
17. What is the distance between two through stones?  
 a) 150 to 300 mm  
 b) 300 to 450 mm  
 c) 450 to 600 mm  
 d) 600 to 750 mm
18. Which one of the following is the hard landscape?  
 a) Plantation  
 b) Types of trees  
 c) Design of space for people  
 d) Terrace gardens



19. Which precaution should be taken for site selection to prevent earthquake?  
 a) Near unstable embankments  
 b) On sloping ground  
 c) Columns of different height  
 d) Continuity of subsoil
20. Which of the following need not be avoided for construction of quake resistant building  
 a) Uniform height  
 b) Chimneys  
 c) Heavy weight walls  
 d) Discontinuous foundations
21. In order to secure superstructure from an earthquake Base Isolation technique is most preferred and used worldwide.  
 a) Reinforcement  
 b) Base Isolation  
 c) Energy Dissipation  
 d) Seismic Dampers
22. Indian standard criteria for earthquake resistant design of structures (first part, fifth revision) is stated by -----  
 a) IS 1899, 2000  
 b) IS 1894, 2000  
 c) IS 1893, 2002  
 d) IS 1896, 2001
23. The process by which buildings are made more resistant to earthquake is the  
 a) retrofitting  
 b) emanation  
 c) soundproof  
 d) centrally heating
24. Which of the following assumption is correct for earthquake design resistant structure?  
 a) Earthquake will not occur simultaneously with wind  
 b) Earthquake will occur simultaneously with maximum flood  
 c) Earthquake will occur simultaneously with maximum sea waves  
 d) Earthquake will occur simultaneously with wind
25. The earthquake of 7.0 can cause  
 a) severe damage  
 b) mild jolts  
 c) medium damage  
 d) no damage



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





# 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 2018-2019 / ODD SEMESTER

Name of the Student : *Mudhumeena. P*

Year/Sem: *II / III*

AU Register Number: *912617103006*

Value Added Course on “Earthquake Resistant Design of Foundation”

## MCQ QUESTIONS (25X4 = 100 Marks)

- The system which comprises of the reinforced concrete column and connecting beams is known as \_\_\_\_\_  
a)  RC frame  
b) RC shutter  
c) RC style  
d) RC hinge
- While considering the design of R.C. buildings for providing ductility, IS codes prohibit the steel grade greater than \_\_\_\_\_  
a)  Fe 250  
b) Fe 320  
c)  Fe 415  
d) Fe 550
- While considering the design of R.C. buildings for providing ductility, the minimum grade of concrete limited by the Indian Code is \_\_\_\_\_  
a) M 10  
b)  M 20  
c) M 35  
d) M 50
- According to the recommendations of IS 13920: 1993, the thickness of any part of the wall should not be less than \_\_\_\_\_  
a) 50 mm  
b) 100 mm  
c)  150 mm  
d) 200 mm
- Base isolation technique was first demonstrated in India after the \_\_\_\_\_  
a) 2005 Kashmir earthquake  
b)  1991 Uttarkashi earthquake  
c)  1993 Killari earthquake  
d) 1950 Assam earthquake
- The four-storeyed building of Bhuj Hospital was built after the \_\_\_\_\_  
a)  2001 Bhuj earthquake  
b) 1996 Bhuj earthquake  
c) 2006 Bhuj earthquake  
d) 1893 Bhuj earthquake
- In viscous dampers, energy gets absorbed by \_\_\_\_\_ fluid which passes between the piston-cylinder arrangement.  
a) Aluminium-based  
b)  Silicone-based

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

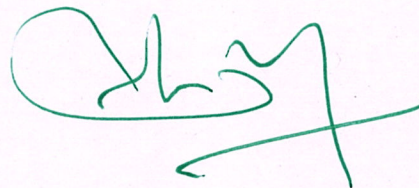


- b) Iron-based  
d) Copper-based
8. Which instrument is used to detect and record seismic waves?  
a) Barograph  
 b) Seismograph  
c) Diagraph  
d) Hygrograph
9. Which one of the following in structure is the most important factors affecting its earthquake performance?  
a) Workability  
b) Serviceability  
 c) Flexibility  
 d) Responsibility
10. Which device act like shock absorbers between the building and its foundation?  
a) Damper  
b) Spring  
 c) Base isolation  
d) Air bag
11. Which is known as hypocenter?  
a) Epicenter  
 b) Focus  
c) Focal depth  
d) Epicentral distance
12. What is the percentage of the structural cost of the building in the additional cost for the earthquake resisting structure?  
a) About 1%  
 b) About 2%  
c) About 3%  
 d) About 5%
13. Which isolation bearings are highly elastic?  
a) Wood  
b) Steel  
 c) Rubber  
d) Bearing pads
14. In which portion of tectonic plates, earthquake generally occurs?  
 a) Plate boundaries  
b) Diversion plates  
c) Converging plates  
d) Middle portion
15. What is the minimum distance to be maintained for the door opening from the cross wall?  
a) End of the wall  
b) 300 mm  
 c) 500 mm  
d) 1000 mm
16. Which shape of building plan is safer for earthquake resisting building?  
 a) Square plan  
b) T- shaped plan  
c) H- shaped plan  
d) Plan have length more than twice the width
17. What is the distance between two through stones?  
a) 150 to 300 mm  
b) 300 to 450 mm  
 c) 450 to 600 mm  
d) 600 to 750 mm
18. Which one of the following is the hard landscape?  
a) Plantation  
b) Types of trees  
 c) Design of space for people  
d) Terrace gardens

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



19. Which precaution should be taken for site selection to prevent earthquake?  
a) Near unstable embankments  
b) On sloping ground  
c) Columns of different height  
d)  Continuity of subsoil
20. Which of the following need not be avoided for construction of quake resistant building  
a)  Uniform height  
b) Chimneys  
c) Heavy weight walls  
d) Discontinuous foundations
21. In order to secure superstructure from an earthquake Base Isolation technique is most preferred and used worldwide.  
a) Reinforcement  
b)  Base Isolation  
c) Energy Dissipation  
d) Seismic Dampers
22. Indian standard criteria for earthquake resistant design of structures (first part, fifth revision) is stated by -----  
a) IS 1899, 2000  
b) IS 1894, 2000  
c) IS 1893, 2002  
d)  IS 1896, 2001
23. The process by which buildings are made more resistant to earthquake is the  
a)  retrofitting  
b) emanation  
c) soundproof  
d) centrally heating
24. Which of the following assumption is correct for earthquake design resistant structure?  
a)  Earthquake will not occur simultaneously with wind  
b) Earthquake will occur simultaneously with maximum flood  
c) Earthquake will occur simultaneously with maximum sea waves  
d) Earthquake will occur simultaneously with wind
25. The earthquake of 7.0 can cause  
a)  severe damage  
b) mild jolts  
c) medium damage  
d) no damage



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



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN  
PRINCIPAL



## 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 2018-2019 (ODD SEM)

MARK SHEET FOR VALUE ADDED COURSE- EARTHQUAKE RESISTANT DESIGN OF FOUNDATION

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	912617103001	CHANDRIKA.C	II/CIVIL	10	100	22	88	94
2	912617103002	DHESIKAPARTHI.D	II/CIVIL	10	100	20	80	90
3	912617103003	KARTHIKA.K	II/CIVIL	10	100	21	84	92
4	912617103004	KASTHURI.K	II/CIVIL	9	90	19	76	83
5	912617103005	MONIKA.K	II/CIVIL	9	90	18	72	81
6	912617103006	MUTHUMEENA.P	II/CIVIL	10	100	20	80	90
7	912617103007	POTHUMPEN.A	II/CIVIL	8	80	17	68	74

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



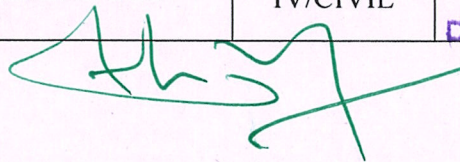
8	912617103008	PRIYADHARSHINI.S	II/CIVIL	8	80	17	68	74
9	912617103009	RAJESWARI.J	II/CIVIL	9	90	22	88	89
10	912617103010	SIVAPRIYA.S	II/CIVIL	9	90	19	76	83
11	912617103701	LAKSHMI A	II/CIVIL	9	90	20	80	85
12	912616103001	AARTHI.G	III/CIVIL	9	90	19	76	83
13	912616103002	ANANTHI.S	III/CIVIL	8	80	17	68	74
14	912616103003	ANUSIYA.C	III/CIVIL	8	80	18	72	76
15	912616103004	KANIMOZHI.P	III/CIVIL	9	90	21	84	87
16	912616103005	LAVANYA.K	III/CIVIL	10	100	20	80	90
17	912616103006	MASILAMANI.M	III/CIVIL	9	90	17	68	79
18	912616103007	MENAKA.R	III/CIVIL	9	90	19	76	83
19	912616103008	PRAVEENA.M	III/CIVIL	10	100	22	88	94
20	912616103301	GOWSIKA N	III/CIVIL	10	100	21	84	92
21	912616103302	KALISWARI M	III/CIVIL	10	100	20	80	90

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



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

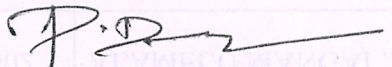
22	912616103303	MAHESWARI M	III/CIVIL	9	90	18	72	81
23	912616103304	SARATHAPRITHA S	III/CIVIL	10	100	19	76	88
24	912615103001	ABINAYA .S	IV/CIVIL	10	100	21	84	92
25	912615103002	ALAMELU MANGAI .M	IV/CIVIL	10	100	20	80	90
26	912615103004	ANANTHI .V	IV/CIVIL	9	90	17	68	79
27	912615103005	AYESHA NAJUM .M	IV/CIVIL	8	80	18	72	76
28	912615103006	ELAMATHI .G	IV/CIVIL	9	90	20	80	85
29	912615103007	ELANTHENDRAL .N	IV/CIVIL	9	90	21	84	87
30	912615103008	GAYATHRI .R	IV/CIVIL	10	100	22	88	94
31	912615103009	GOMATHI .S	IV/CIVIL	10	100	17	68	84
32	912615103010	HARITHA .S	IV/CIVIL	9	90	18	72	81
33	912615103011	KARTHIKA .T	IV/CIVIL	8	80	22	88	84
34	912615103012	MADHUMITHA .M	IV/CIVIL	9	90	20	80	85
35	912615103013	RAIHANAJASMINE .A.S	IV/CIVIL	10	100	20	80	90

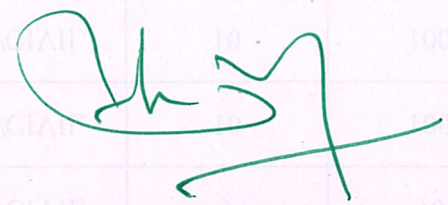


Dr. S. THILAGAVATHI M.E., Ph.D.,  
 PRINCIPAL  
 SRI BHARATHI ENGINEERING  
 COLLEGE FOR WOMEN  
 Kalkkurchi - 622 303, Pudukkottai Dt.

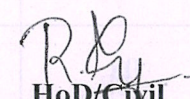


36	912615103014	RASIKA .R	IV/CIVIL	10	100	17	68	84
37	912615103015	SYED ALI FATHIMA .G	IV/CIVIL	10	100	19	76	88
38	912615103016	VAITHEGI .V	IV/CIVIL	9	90	21	84	87
39	912615103018	ZIRIN ZITHARA FATHIMA BANU .M	IV/CIVIL	8	80	20	80	80
40	912615103302	SURIYA T	IV/CIVIL	9	90	22	88	89
41	912615103303	VANMATHI M	IV/CIVIL	10	100	18	72	86

  
VAC Coordinator



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

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