

SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

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

Kaikkurichi, Pudukkottai -622 303

www.sbec.edu.in

NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 2

Teaching-Learning and Evaluation

Submitted by

IQAC
Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women

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

Criteria 2 Teaching-Learning and Evaluation 350

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

2018-2019 PARTICIPATIVE LEARNING CIVIL ENGINEERING

Activity	Number of Students Attended	Page No.
Value Added Course (VAC)	81	3
Symposium	02	60
TOTAL STUDENTS ATTENDED	83	-

(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)

2018-2019
CIVIL ENGINEERING
PARTICIPATIVE LEARNING
VALUE ADDED COURSE



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

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 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 / OIVIL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

AGAVATHI M.E., Ph.D., Dr. S.THIL PRINCIPAL SRI BHARATHI ENGINEERING **COLLEGE FOR WOMEN**

Kaikkurchi - 622 303, Pudukkottai Dt.



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

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 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
	Total Hours	30	

VAC Coordinator

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

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

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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

Kaikkurchi - 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 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. Pudukkattel De



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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 (ODD SEM)

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

REG.NO	NAME OF THE	YEAR/	DATE: 18.06.18		DATE: 19.06.18		DATE: 20.06.18		DATE: 21.06.18		DATE: 22.06.18		NO OF SESSIONS	SIGNATURE OF	
	STUDENT	BRANCH	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	THE STUDENT	
912617103001	CHANDRIKA.C	II/CIVIL	1	1	1	1	*	1	1	1	1	1	10	C. chanQ1	
912617103002	DHESIKAPARTHI.D	II/CIVIL	1	1	1	1	1	1	1	,	1	1	10	C. ChanQt. D. Dhesikapart	
912617103003	KARTHIKA.K	II/CIVIL	1	1	1	1	1	1	1	1.	1	1	10	K. Karthikai	
912617103004	KASTHURI.K	II/CIVIL	1	1	1	1	1	1	1	a	1	1	9	Kasthuri.k	
912617103005	MONIKA.K	II/CIVIL	1	1	1	1	1	a	1	1	1	1	9	Monitea P.	
912617103006	MUTHUMEENA.P	II/CIVIL	1	1	,	1	1	1	1	1	1	1	10	Muthuman	
912617103007	POTHUMPEN.A	II/CIVIL	1	a	1	1	1	,	1	a	1	,	8	Dothem Ren.	
912617103008	PRIYADHARSHINI.S	II/CIVIL	1	,	1	a	1	a	1	1	1	1	8	Poringarli	
912617103009	RAJESWARI.J	II/CIVIL	1	1	1	1	1	1	1	1	1	a	9	Rajeshuzeri I	
912617103010	SIVAPRIYA.S	II/CIVIL	-1	a	1	1	1	1	1.	1	1	1	9	Muthumen. Portumen. Portumen. Portumen. Rajeshuzzei. B. Sivarerya	
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Dr. S.THILAGAVATHI M.E., Ph.D

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

PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 363, Pudukkottal Dt.

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11	912617103701	LAKSHMI A	II/CIVIL	1	a	1	1	A	1	1	1	t	1	9	Lakelia.
12	912616103001	AARTHI.G	III/CIVIL	1	^	1	1	1	1	1	a	1	1	9	Ang.
13	912616103002	ANANTHI.S	III/CIVIL	1	1	1	a	1	1	1	a	1	1	8	Ananithi
14	912616103003	ANUSIYA.C	III/CIVIL	1	a	1	1	1	1	1	1	1	a	8	Anusheya
15	912616103004	KANIMOZHI.P	III/CIVIL	1	1	1	1	1	a	1	1	1	1	9	Karien
16	912616103005	LAVANYA.K	III/CIVIL	1	1	1	1	1	1	1	1	1	1	10	· Lavanya
17	912616103006	MASILAMANI.M	III/CIVIL	1	1	1	1	1	a	1	1	1.	1	9	Marilamani
18	912616103007	MENAKA.R	III/CIVIL	1	1	1	a	1	1	1	1	1	1	9	Menalea?
19	912616103008	PRAVEENA.M	III/CIVIL	1	1	1	1	1	1	1	1	1	,	10	Preef.
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25	912615103002	ALAMELU MANGAI .M	IV/CIVIL	1	1	1	1	1	1		1	1	. j.	10	Hengai
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27	912615103005	AYESHA NAJUM .M	IV/CIVIL	1	1	1	a	1	1	1	a	1	1	8	Ayeshanajum
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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.

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35	912615103013	RAIHANAJASMINE .A.S	IV/CIVIL	1	1	1	,	1	1	1	1	1	1	10	Dane
36	912615103014	RASIKA .R	IV/CIVIL	-1	1	1	1	1	1	,	1	,	1	10	Pasika
37	912615103015	SYED ALI FATHIMA .G	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	10	& P
38	912615103016	VAITHEGI .V	IV/CIVIL	1	a	1	1	1	1	,	1	1	,	9	Dagi
39	912615103018	ZIRIN ZITHARA FATHIMA BANU .M	IV/CIVIL	1	1	1	a	1	1	1	1	,	a	8	Du
40	912615103302	SURIYA T	IV/CIVIL	1	1	1	1	1	1	1	·a	,	1	9	Luga
41	912615103303	VANMATHI M	IV/CIVIL	1	/	1	1	1	1	1	1	1	1	10	20

VAC Coordinator

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

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. HoD/CAVII HOD / CIVIL PARATHI ENGINEERI

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



(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,

Thaniavur.

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

COLLEGE FOR WOMEN SRI BHARATH KAIKKURICHI.

COLLEGE FOR W

KAIKKURICHI - 622 303. PUDUKKOTTA DISTRICT

GAVATHI M.E., Ph.D.,

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



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.

Design Engineer,

Dr. S. THILAGAVATHI M.E., Ph.D., MR Construction and Promoters

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



State Level Class 1 Contractor (PWD, TNEB)

CERTIFICATE OF PARTICIPATION

This Certificate is presented to Ms.Sarathapritha 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.

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

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt. Design Engineer,
MR Construction and 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.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt. Design Engineer,
MR Construction and Promoters



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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / ODD SEMESTER

Name of the Student :	Year/Sem:
AU Register Number:	Which donles six tike shock absorbers be
Value Added Course on "Earthqu	ake Resistant Design of Foundation"
MCQ QUESTION	NS(25X4 = 100 Marks)
The system which comprises of the reinforce as	ed concrete column and connecting beams is known
a) RC frame b) RC shutter	c) RC style d) RC hinge
While considering the design of R.C. buildin grade greater than	gs for providing ductility, IS codes prohibit the steel
a) Fe 250 b) Fe 320	c) Fe 415 d) Fe 550
concrete limited by the Indian Code is	gs for providing ductility, the minimum grade of
a) M 10 b) M 20	c) M 35 d) M 50
4. According to the recommendations of IS 1392 not be less than	20: 1993, the thickness of any part of the wall should
a) 50 mm b) 100 mm	c) 150 mm d) 200 mm
5. Base isolation technique was first demonstrate	ed in India after the
a) 2005 Kashmir earthquakeb) 1991 Uttarkashi earthquake	c) 1993 Killari earthquaked) 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
 In viscous dampers, energy gets absorbed by cylinder arrangement. 	fluid which passes between the piston-
a) Aluminium-based	c) Silicone-based
Dr. S.TMILAGAVATHI M.E.	Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
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Kaikkurchi - 622 303, Pudukkottai Dt.

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

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303; Pudukkoltai DL Dr. S.7HILAGAVATHI M.E., Ph.D.,
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COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.

19. Which precaution should be taken for site selecti	on to prevent earthquake?
a) Near unstable embankmentsb) 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	c) Heavy weight walls
b) Chimneys	d) Discontinuous foundations
21. In order to secure superstructure from an earthquand used worldwide.	ake Base Isolation technique is most preferred
a) Reinforcement	c) Energy Dissipation
b) Base Isolation	d) Seismic Dampers
22. Indian standard criteria for earthquake resistant stated by	design of structures (first part, fifth revision) is
a) IS 1899, 2000	c) IS 1893, 2002
b) IS 1894, 2000	d) IS 1896, 2001
23. The process by which buildings are made more ra) retrofittingb) emanation	esistant to earthquake is the c) soundproof d) centrally heating
24. Which of the following assumption is correct for	r earthquake design resistant structure?
a) Earthquake will not occur simultaneously with wind	c) Earthquake will occur simultaneously with maximum sea waves
b) Earthquake will occur simultaneously with	d) Earthquake will occur simultaneously with
maximum flood	wind
25. The earthquake of 7.0 can cause	
a) severe damageb) mild jolts	c) medium damage d) no damage
	1

Dr. S.THILAGAVATHI M.E., Ph.D.,
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Kaikkurchi - 622 303, Pudukkotlai Dt.

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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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	С	12	d	17	ď	22	d
3	b	8	b	13	С	18	c	23	а
4	с	9	С	14	a	19	d	24	a
5	с	10	С	15	c	20	a	25	a

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / ODD SEMESTER

Name of the Student: G. SHED ALI FATHIMA Year/Sem: [V /VII]

AU Register Number: 912615103015

Value Added Course on "Earthquake Resistant Design of Foundation"

MCQ QUESTIONS (25X4 = 100 Marks)

	MEQ QUESTIONS	(23A4 - 100 Marks)
1.		concrete column and connecting beams is known
	as	12. What is the percentage of the store but
	a) RC frame b) RC shutter	c) RC style
	b) RC snutter	d) RC hinge
2.	While considering the design of R.C. buildings grade greater than	for providing ductility, IS codes prohibit the steel
	(a) Fe 250	© Fe 415
	b) Fe 320	d) Fe 550
3.	While considering the design of R.C. buildings	
	concrete limited by the Indian Code is	use South surerser to neithing distal with the
	a) M 10	c) M 35
	б) M 20	d) M 50
	4	
4.		1993, the thickness of any part of the wall should
	not be less than	^
	(a) 50 mm	(c) 150 mm
	b) 100 mm	d) 200 mm
5.	Base isolation technique was first demonstrated	in India after the
	a) 2005 Kashmir earthquake	©1993 Killari earthquake
	b) 1991 Uttarkashi earthquake	d) 1950 Assam earthquake
	Canonia ego	contract network school with a many at the
	The four-storeyed building of Bhuj Hospital wa	A CONTRACTOR OF THE CONTRACTOR
(a) 2001 Bhuj earthquake	c) 2006 Bhuj earthquake
	b) 1996 Bhuj earthquake	d) 1893 Bhuj earthquake
7.	In viscous dampers, energy gets absorbed by _ cylinder arrangement.	fluid which passes between the piston-
	a) Aluminium-based	Silicone-based
	DI. S.THILAGAVATH PRINCIPAL SRI BHARATHI ENG COULEGE FOR V	Dr. S:THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING

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b) Iron-based	d) Copper-based
8. Which instrument is used to detect and	record seismic waves?
a) Barograph	c) Diagraph
(b) Seismograph	d) Hygrograph
9. Which one of the following in structure performance?	is the most important factors affecting its earthquake
a) Workability	(c) Flexibility
b) Serviceability	d) Responsibility
10. Which device act like shock absorbers be	etween the building and its foundation?
a) Damper	© Base isolation
b) Spring	d) Air bag
11. Which is known as hypocenter?	
a) Epicenter	©Focal depth
(b) Focus	d) Epicentral distance
12. What is the percentage of the structural of earthquake resisting structure?	cost of the building in the additional cost for the
a) About 1%	c) About 3%
b) About 2%	d)About 5%
13. Which isolation bearings are highly elast	
a) Wood	(c) Rubber
b) Steel	d) Bearing pads
14. In which portion of tectonic plates, earth	iquake generally occurs?
a) Plate boundaries	c) Converging plates
b) Diversion plates	Middle portion
15. What is the minimum distance to be mai	intained for the door opening from the cross wall?
a) End of the wall	(c))500 mm
b) 300 mm	d) 1000 mm
16 Which the effectivity also is a few fi	Secondary learning building 1
16. Which shape of building plan is safer for	
a) Square plan	c) H- shaped plan
b) T- shaped plan	d) Plan have length more than twice the width
17. What is the distance between two through	The second of th
a) 150 to 300 mm	c) 450 to 600 mm
b) 300 to 450 mm	(d) 600 to 750 mm
18. Which one of the following is the hard le	
(a) Plantation	© Design of space for people
b) Types of trees	d) Terrace gardens
bound-son (incl.)	Leagur mutaimus A (u)
Dr. S.THILAGAVATHI M.E., Ph.D.,	Dr. S.THILAGAVATHI M.E.,Ph.D.,
Property Community Communi	THE PARTY OF THE P

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

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / ODD SEMESTER

Name of the Student: P. Kavimoghi	Year/Sem: 111/Y
AU Register Number: 912616103004	10: Which device act like shoelcabsorbers i a) Danner
	ke Resistant Design of Foundation"
MCQ QUESTIONS	6 (25X4 = 100 Marks)
The system which comprises of the reinforced as	concrete column and connecting beams is known
RC frame b) RC shutter	c) RC style d) RC hinge
2. While considering the design of R.C. buildings grade greater than	for providing ductility, IS codes prohibit the steel
a) Fe 250 b) Fe 320	© Fe 415
3. While considering the design of R.C. buildings concrete limited by the Indian Code is	d) Fe 550 for providing ductility, the minimum grade of
a) M 10 (b) M 20	c) M 35 d) M 50
4. According to the recommendations of IS 13920 not be less than	: 1993, the thickness of any part of the wall should
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 earthquakeb) 1991 Uttarkashi earthquake	© 1993 Killari earthquake d) 1950 Assam earthquake
6. The four-storeyed building of Bhuj Hospital wa	as 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 _ cylinder arrangement.	fluid which passes between the piston-
a) Aluminium-based	© Silicone-based

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b) Iron-based	d) Copper-based
3. Which instrument is used to detec	et and record seismic waves?
	MALERIA MARCHES STEEL And bear American
a) Barograph	c) Diagraph
(b) Seismograph	(d) Hygrograph
O	0-78-8-1
9. Which one of the following in struperformance?	acture is the most important factors affecting its earthquake
a) Workability	(c) Flexibility
b) Serviceability	d) Responsibility
b) Serviceability	d) responsionity
10. Which device act like shock absor	bers between the building and its foundation?
	 and the state of t
a) Damper	Base isolation
b) Spring	d) Air bag
11. Which is known as hypocenter?	CIN PROTECTION COM
a) Epicenter	(c) Focal depth
(b) Focus	d) Epicentral distance
Control of the second s	Data harianta Anti-see a marana kase/Anti-st
12. What is the percentage of the structure?	ctural cost of the building in the additional cost for the
a) About 1%	c) About 3%
b) About 2%	(d) About 5%
roviding ductility. Is codes profible t	2 White considering the assign of R.C. buildings for p
13. Which isolation bearings are high	ly elastic?
	(c) Rubber
a) Wood	
b) Steel	d) Bearing pads
овай шихинии эки баппана Запжасы	d and statement to a threat and threatened and a
14. In which portion of tectonic plates	
(a) Plate boundaries	c) Converging plates
b) Diversion 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	(c) 500 mm
	d) 1000 mm
b) 300 mm	a) 1000 min
	safer for earthquake resisting building?
(a) Square plan	c) H- shaped plan
b) T- shaped plan	d) Plan have length more than twice the width
2000 2000 2000 A 1000 A	
17. What is the distance between two	through stones?
a) 150 to 300 mm	c) 450 to 600 mm
	(d) 600 to 750 mm
b) 300 to 450 mm	-d) 000 to 750 tilli
18. Which one of the following is the	hard landscape?
a) Plantation	(c) Design of space for people
b) Types of trees	d) Terrace gardens
o, types of these	a)
Calliconc-based	heavel-multifaul A (in a
(DE STHILL AGAVATHI M.E., Ph.D.,
DESTRU AGAVATMIN	Dr. S.THILAGAVAITH M.E., Ph. Dr.
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DE S.THILAGAVATHI M.E.,Ph.D

SRI BHARATHI ENGINEERING COLLEGE POR WOMEN Kaikkurciıl - 022 303, Puduksottal DI

19. Which precaution should be taken for site select	
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	c) Heavy weight walls
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(a) severe damage	c) medium damage
b) mild jolts	d) no damage

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DEPARTMENT OF CIVIL ENGINEERING

	ACADEMIC YEAR 2018-2019	ODD SEMESTER
N2.4	in. Il umenha	P

Name of the Student:

Year/Sem: 1

COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.

AU Register Number: 912617103006

Value Added Course on "Earthquake Resistant Design of Foundation"

MCQ QUESTIONS	6(25X4 = 100 Marks)
1. The system which comprises of the reinforced	concrete column and connecting beams is known
as	
(a) RCI frame	c) RC style
b) RC shutter	d) RC hinge
	s for providing ductility, IS codes prohibit the steel
grade greater than	A second
(a) Fe 250	(c) Fe 415
b) Fe 320	d) Fe 550
3. While considering the design of R.C. buildings concrete limited by the Indian Code is	s for providing ductility, the minimum grade of
a) M 10	c) M 35
⊕ M 20	d) M 50
 4. According to the recommendations of IS 13920 not be less than a) 50 mm b) 100 mm 	2: 1993, the thickness of any part of the wall should (2) 150 mm (3) 200 mm
5. Base isolation technique was first demonstrated	in India after the
a) 2005 Kashmir earthquake	(c) 1993 Killari earthquake
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6. The four-storeyed building of Bhuj Hospital w	as built after the
2001 Bhuj earthquake	c) 2006 Bhuj earthquake
b) 1996 Bhuj earthquake	d) 1893 Bhuj earthquake
7. In viscous dampers, energy gets absorbed by _cylinder arrangement.	fluid which passes between the piston-
a) Aluminium-based	© Silicone-based
OL S.THILAGAVATHI M.E.,	Dr. S:THILAGAVATHI M.E., Ph.E. PRINCIPAL SRI BHARATHI ENCINEEDING

b) Iron-based	d) Copper-based
8. Which instrument is used to detect	and record seismic waves?
a) Barograph	c) Diagraph
b) Seismograph	d) Hygrograph
O Scismograph	u) Hygrographi
9. Which one of the following in struc	eture is the most important factors affecting its earthquake
performance?	1
a) Workability	(a) Flexibility
b) Serviceability	(d) Responsibility
10. Which device act like shock absorb	ers between the building and its foundation?
	© Base isolation
a) Damper	d) Air bag
b) Spring	d) All bag
11. Which is known as hypocenter?	
a) Epicenter	c) Focal depth
(b) Focus	d) Epicentral distance
12. What is the percentage of the struct earthquake resisting structure?	tural cost of the building in the additional cost for the
a) About 1%	c) About 3%
(b) About 2%	d) About 5%
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b) Steel	d) Bearing pads
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b) Diversion plates	d) Middle portion
	e maintained for the door opening from the cross wall?
a) End of the wall	© 500 mm
b) 300 mm	d) 1000 mm
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b) T- shaped plan	d) Plan have length more than twice the width
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18. Which one of the following is the h	ard landscape?
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b) Types of trees	d) Terrace gardens
o) Types of trees	d) Terrace gardens
harde (cana	A Commentation of the second

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

19. Which precaution should be taken for site select	tion to prevent earthquake?
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a) severe damage b) mild jolts	c) medium damage d) no damage
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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 (ODD SEM)

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

16,	912616193003	TWAYNXYIK -	HINGIAIT	ATTENDANCE DETAILS		VAC-MCQ TEST		OVERALL
S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	No of Sessions	Attendance Mark(100)	No of Correct	MCQ Mark(100)	MARK(100) (50% of A +
1st	612616103003	ASSUSTANCE CO.	UNCLAIL	Attended	(A)	Answers	(B)	50% of 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 AGAVATHI M	80	17	68	74

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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 THILAGAVA	100	20	80	90

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PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurdii - 822 303, Pudukkoital Dt.

	And the second s			DE1441.38				
22	912616103303	MAHESWARI M	III/CIVIL	THILAGAVA	90 Ph.D.	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 Dr S: TMEL AG	100 SAVATHI M.E. P	20	80	90

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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

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



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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

Date:05 /12/2018

DEPARTMENT CIRCULAR

It is planned to conduct the Value added course offered by the Department of Civil Engineering for all Second, Third & Final year Civil Engineering students on "Quality Assurance and Quality Control in Civil Engineering" in association with Golden Bell Constructions and Promoters from 10.12.2018 to 14.12.2018. Certificates will be issued to the eligible participants at the end of the Course.

S.No.	Name of the Course	Resource Person						
1.	Quality Assurance and Quality Control in Civil Engineering	Er.T.Andrews Livingston, B.E., Site Engineer & Supervisor, Golden Bell Constructions, Trichy.						

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

HOD / CIVIL

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

Value Added Course on

"Quality Assurance and Quality Control in Civil Engineering" **SYLLABUS**

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Roles and responsibilities of a QA/QC inspector	3	10.12.2018
2	Introduction to ISO 9000 and ISO 14000 standards	3	10.12.2018
3	International codes and standards for quality inspection	3	11.12.2018
4	Concept of quality inspection & classification of civil works	3	11.12.2018
5	Preparation of inspection procedures & NDT methods	3	12.12.2018
6	Project quality plan & Specific quality procedures	3	12.12.2018
7	Quality control QC job brief on receiving, in- process, final inspection	3	13.12.2018
8	Implementation and monitoring of QA/QC system	3	13.12.2018
9	Stage wise inspection for structural member	3	14.12.2018
10	Final documentation, inspection report, non conformance report, QA/QC	3	14.12.2018
	Total Hours	30	

VAC Coordinator

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

MAIGURICHI. 622 303

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

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

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

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 (EVEN SEM) STUDENTS PARTICIPATION LIST-VAC PROGRAM Quality Assurance and Quality Control in Civil Engineering

S.NO	REG.NO	NAME OF THE STUDENT	ENT YEAR/BRANCE			
	1/2	MULAN AVESHA NAJUR	0			
(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			
711	912617103701	LAKSHMI A	II/CIVIL			
12	912616103001	AARTHI.G	III/CIVIL			
13	912616103002	ANANTHI.S	III/CIVIL			
14	912616103004	KANIMOZHI.P	III/CIVIL			
15	912616103005	LAVANYA.K	III/CIVIL			
16	912616103006	MASILAMANI.M	III/CIVIL			
17	912616103007	MENAKA.R	· III/CIVIL			

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18	912616103008	PRAVEENA.M	III/CIVIL
19	912616103301	GOWSIKA N	III/CIVIL
20	912616103302	KALISWARI M	III/CIVIL
21	912616103303	MAHESWARI M	III/CIVIL
22	912616103304	SARATHAPRITHA S	III/CIVIL
23	912616103501	VISALATCHI P	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	912615103302	SURIYA T	IV/CIVIL
40	912615103303	VANMATHI M	IV/CIVIL

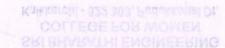
VAC Coordinator

HOD/CIVIL BRI BHARATHI ENGINEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAKKURIOTIK
PUDUKKO TIMI - 922 363

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





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

DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2018-2019 (EVEN SEM)

ATTENDANCE SHEET FOR VALUE ADDED COURSE- Quality Assurance and Quality Control in Civil Engineering

S.NO	REG.NO	G.NO NAME OF THE STUDENT	YEAR/ BRANCH	DATE: 10.12.18		DATE: 11.12.18		DATE: 12.12.18		DATE: 13.12.18		DATE: 14.12.18		NO OF SESSIONS	SIGNATURE OF	
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDED	THE STUDENT	
1	912617103001	CHANDRIKA.C	II/CIVIL	1	1	1	1	1	1	1	a	1	1	9	c. chano.	
2	912617103002	DHESIKAPARTHI.D	II/CIVIL	1	1	1	a	1	1	1	1	1	1	a	D. Dheilespart	
3	912617103003	KARTHIKA.K	II/CIVIL	1	1	1	1	1	1	,	1	1	1	10	K. Karthikaj	
4	912617103004	KASTHURI.K	II/CIVIL	1	1	1	1	1	1	1	1	1	,	10	Kasthwei. K.	
5	912617103005	MONIKA.K	II/CIVIL	1	1	,	1	1	1	1	1	1	1	10	Monika D:	
6	912617103006	MUTHUMEENA.P	II/CIVIL	1	a	1	1	1	1	1	1	1	1	9	Muthumeehad	
7	912617103007	POTHUMPEN.A	II/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Pothumpen.	
8	912617103008	PRIYADHARSHINI.S	II/CIVIL	1	1	1	1	1	a	1	,	1	1	9	Porijaeli	
9	912617103009	RAJESWARI.J	II/CIVIL	1	/ ILAG	1	1	1	1	1	/	1	1	10	Rajeshevasii, J	

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WC ...EN
Kaikkurchi - 622 303, Pudukojig, DL

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10	912617103010	SIVAPRIYA.S	II/CIVIL	1	1	1	1	1	1	1	1	1	1	10	S. Sivapriya
11	912617103701	LAKSHMI A	II/CIVIL	1	1	1	1	1	1	1,	1	1	1	10	S. Sivapriga
12	912616103001	AARTHI.G	III/CIVIL	1	1	1	1	1	1	1	1	1	a	9	Quel
13	912616103002	ANANTHI.S	III/CIVIL	1	a	1	1	1	a	1	1	1	1	8	Anauthi
14	912616103004	KANIMOZHI.P	III/CIVIL	1	1	1	1	1	1	1	a	1	1	9	Kanin
15	912616103005	LAVANYA.K	III/CIVIL	1	1	1	a	1	1	1	1	1	1	9	Lawanya
16	912616103006	MASILAMANI.M	III/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Masilamani
17	912616103007	MENAKA.R	III/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Menaka-R
18	912616103008	PRAVEENA.M	III/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Dreet.
19	912616103301	GOWSIKA N	III/CIVIL	1	a	1	1	1	1	1	. 1	1	1	970	Growing. N
20	912616103302	KALISWARI M	III/CIVIL	1	1	1	1	1	1	1	a	1	1	90%	Kal.
21	912616103303	MAHESWARI M	· III/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Nem
22	912616103304	SARATHAPRITHA S	III/CIVIL	1	1	1	1	1	a	1	1	1	1	9	&~1.
23	912616103501	VISALATCHI P	III/CIVIL	1	p Lo	1/2	1	1	1	1	1	1	11/	10	Visalatchi
24	912615103001	ABINAYA .S	IV/CIVIL	1	1	1	a	1	19	1	1	1	1	9	74, March 2011
25	912615103002	ALAMELU MANGAI .M	IV/CIVIL	1	a	1	1	I I	1	1	1	1	a	8	Dina
26	912615103004	ANANTHI .V	IV/CIVIL	1	1	1	a.	1	a	1	1	1	1	8	Dunthi
27	912615103005	AYESHA NAJUM .M	IV/CIVIL	. S. T	HILA	GÁV	ATHI	м/E.,	Ph,D.,	1	a	1	1	9	Ayeshanajan
	PRINCIPAL														

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

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28	912615103006	ELAMATHI .G	IV/CIVIL	1	1	1	1	1	1	1	1	1	t	10	Elanhi
29	912615103007	ELANTHENDRAL .N	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	.10	Flath de
30	912615103008	GAYATHRI .R	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Cornel :
31	912615103009	GOMATHI .S	IV/CIVIL	1	a	1	1	1	1	1	1	1	1	9	generathi.
32	912615103010	HARITHA .S	IV/CIVIL	1	1	1	1	1	1	1	a	1	1	9	Amp.
33	912615103011	KARTHIKA .T	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Karthilos
34	912615103012	MADHUMITHA .M	IV/CIVIL	1	1	1	a	1	1	1	a	1	1	8	Malleyni Ha
35	912615103013	RAIHANAJASMINE .A.S	IV/CIVIL	1	1	1	1	1	a	1	1	1	1	9	Pre
36	912615103014	RASIKA .R	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	10	Rosika
37	912615103015	SYED ALI FATHIMA .G	IV/CIVIL	1	a	1	1	1	1	1	1	1	1	9	d.f.
38	912615103016	VAITHEGI .V	IV/CIVIL	1	,	1	1	1	a	1	1	1	a	8	the gi
39	912615103302	SURIYA T	IV/CIVIL	1	1	1	1	1	1	1	a	1	,	9	Dyon
40	912615103303	VANMATHI M	IV/CIVIL	1	1.	1	a	1	1	1	1	1	a	8	Q-0"

VAC Coordinator

HOD/CIVIL
HOD/CIVIL
SRIBHARATHIENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI

Dr. S.THILAGAVATHI M.E., PHID. DUKKOTTAI - 6222 3003.
PRINCIPAL

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



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

Report on Value Added Course

Title:

Quality Assurance and Quality Control in Civil Engineering

Resource Person:

Er.T.Andrews Livingston, B.E.,

n:

Site Engineer & Supervisor, Golden Bell Constructions,

Trichy.

Date of conduct from:

10.12.2018

To:

14.12.2018

Duration:

30 Hours

Organized Department:

CIVIL ENGINEERING

Participant Year:

2, 3, 4

Semester: EVEN

N

No. of Students Registered:

40

Venue:

First Floor-Lecture Hall:30

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

- Improve the management of material for construction project.
- Minimise the repetition of past failure.
- Learn from other people's experiences to avoid pitfalls and to minimize the repetitions of errors.
- Identify specific design, process or decision that reduces or eliminates the potential for failures.
- Explain the availability of corrective actions for typical problems that might impact the costs of a project.
- Assess the quality of the materials used in construction site.

No. of students successfully completed the VAC course is <u>40 students</u> 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

SRIBHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303 Principal 1

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI - 522 303. PUDUKKOTTAI DISTRICT

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

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



GOLDEN BELL CONSTRUCTIONS

CERTIFICATE OF PARTICIPATION

Certificate is awarded to Ms.ELAMATHI .G B. E IV year Civil Engineering Sri Bharathi Engineering College for Women for actively participated in 5 days Value Added Course on "Quality Assurance and Quality Control in Civil Engineering" from 10.12.2018 to 14.12.2018.

COLLEGE FOR WOMEN

Kajkkurchi - 622 303, Pudukkottai Dt.

Site Engineer, Golden Bell Constructions



GOLDEN BELL CONSTRUCTIONS

CERTIFICATE OF PARTICIPATION

Certificate is awarded to Ms.KALISWARI M B.E III year Civil Engineering Sri Bharathi Engineering College for Women for actively participated in 5 days Value Added Course on "Quality Assurance and Quality Control in Civil Engineering" from 10.12.2018 to 14.12.2018.

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

COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. Site Engineer,
Golden Bell Constructions



GOLDEN BELL CONSTRUCTIONS

CERTIFICATE OF PARTICIPATION

Certificate is awarded to Ms.CHANDRIKA.C B.E II year Civil Engineering Sri Bharathi Engineering College for Women for actively participated in 5 days Value Added Course on "Quality Assurance and Quality Control in Civil Engineering" from 10.12.2018 to 14.12.2018.

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

PRINCIPAL
RHARATHI ENGINEE

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

Site Engineer,
Golden Bell Constructions

(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 / EVEN SEMESTER Name of the Student: Year/Sem: **AU Register Number:** Value Added Course on "Quality Assurance and Quality Control in Civil Engineering" MCQ QUESTIONS (25X4 = 100 Marks)1. What is known as the maximum percentage of defective accepted by the customer? a) SOC c) Order quantity b) AQL d) Arbitrary sampling 2. What is the abbreviation of AAMA? a) Apparel Aids for Manufactures Association c) American and Mexican Association b) American Apparel Manufacturers d) American Aided Manufactures Association Association 3. Which is the process of maintaining the standards in the product? a) Quantity assurance c) Quality testing b) Quality control d) Quantity inspection 4. What is the goal of quality controllers? a) Maintain products and materials c) Maintain required materials b) Maintain quality standards d) Maintain quality of material 5. Who is responsible to solve the quality problem? a) Industrial engineers c) Sewing operator b) Quality supervisor d) Manager 6. Which method inspects random shipments? a) Spot checking c) Arbitrary sampling

7. What is the other name for broken picks?

a) Floats

b) Double picks

b) Statistical sampling

c) Lashing - in

d) No inspection

d) Temple mark

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

8.	Which of these is not a factor affecting quality C	Control?
	a) Employees of an organizationb) Site location	c) Skills of workers d) Supervision standards
9.	What are the advantages of quality control? a) Reduction in construction cost b) Less inspection required	c) Both A & B d) Reduction in material cost
10.	Statistical Quality Control applied for a) To maintain quality b) To improve quality	c) To solve quality problems d) All of the above
11.	Which of these is not an objective of SQC? a) To know the trend of variables in the quality b) To decide the suitable quality level	c) To assess the risk of project failure d) To reduce scrap and spoiled work
12.	QMS, TQM, and QIP all corresponds to —a) Quality techniques b) Quality abbreviations	c) Quality parameters d) None of the above
13.	Quality improvement program focuses on – a) Procedure b) Process and organization structure	c) Research and responsibilities d) All are true
14	The quality measure "inspection of the user a) Static analytical b) Dynamic analytical	interface". c) ISO d) SEI
15	At a work site, statistical quality control of concr a) Measurement of risks to eliminate failures b) Applying the theory' of probability to sample testing or inspection	c) Reduction in wastage of inspection costs d) Reduction in costs for the removal of defects
16	a) It is conformation to specification. b) It is about meeting the needs of the customer.	c) It is reduction in variability. d) All of the above
17	Which are the indicators of good quality in a struationa) Design of building is structurally sound.b) Proper materials are selected for proper purpose	c) Workmanship is excellent d) All of the above
		Dr. S.THILAGAVATHI M.E., Ph.D.,

Dr. S.THILAGAVATHI M.E.,Ph.D.
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Kaikkurchi - 622 303, Pudukkulai Di.

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

a structure?
c) Expensive method of construction is adopted
d) Construction team is quality conscious
c) Quality Control Inspection Program d) Quality Control Internal Program
se of
c) To cover up mistakes without rectifying them
d) All of the above
c) Number and specialties of inspectors proposed
d) All of the above
CIP?
c) Schedule of all major activities of construction
d) Planned use of consultants
?
c) External Cost
d) Appraisal Cost
c) Construction Quality Assurance System
d) Construction Quality Control System
c) Quality Service
d) All of the above

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

Value Added Course on

"Quality Assurance and Quality Control in Civil Engineering"

ANSWER KEY

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

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

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Kalkkurchi - 622 303, Pudukkottai Dt.

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

Name of the Student: A. S. Raihana Jasmine Year/Sem: 1V/VIII

AU Register Number: 912615103013

Value Added Course on

"Quality Assurance and Quality Control in Civil Engineering"

OHESTIONS (25VA

MCQQUESTIONS	(25X4 = 100 Marks)
What is known as the maximum percentage of c a) SQC AQL	defective accepted by the customer? c) Order quantity d) Arbitrary sampling
 2. What is the abbreviation of AAMA? a) Apparel Aids for Manufactures Association American Apparel Manufacturers Association 	c) American and Mexican Association d) American Aided Manufactures Association
3. Which is the process of maintaining the standard	ds in the product?
a) Quantity assurance (b) Quality control	c) Quality testing d) Quantity inspection
4. What is the goal of quality controllers?	

- - a) Maintain products and materials
 - (b) Maintain quality standards
- 5. Who is responsible to solve the quality problem?
 - a) Industrial engineers
 - (b) Quality supervisor
- 6. Which method inspects random shipments?
 - (a) Spot checking
 - b) Statistical sampling
- 7. What is the other name for broken picks?
 - a) Floats
 - (b) Double picks

- c) Maintain required materials
- d) Maintain quality of material
- c) Sewing operator
- d) Manager
- c) Arbitrary sampling
- d) No inspection
- c) Lashing in
- d) Temple mark

AGAVATHI M.E., Ph.D., **COLLEGE FOR WOMEN** Kalkkurchi - 622 303, Pudukkottai Dt.

8. Which of these is not a factor affecting quality (Control?
a) Employees of an organization (b) Site location	c) Skills of workers d) Supervision standards
9. What are the advantages of quality control?a) Reduction in construction costb) Less inspection required	Both A & B d) Reduction in material cost
Statistical Quality Control applied for a) To maintain quality b) To improve quality	c) To solve quality problems (d) All of the above
11. Which of these is not an objective of SQC?a) To know the trend of variables in the qualityb) To decide the suitable quality level	To assess the risk of project failure d) To reduce scrap and spoiled work
12. QMS, TQM, and QIP all corresponds to ———— a) Quality techniques (b) Quality abbreviations	c) Quality parameters d) None of the above
 13. Quality improvement program focuses on – a) Procedure b) Process and organization structure 	c) Research and responsibilities d) All are true
14. The quality measure "inspection of the user (a) Static analytical b) Dynamic analytical	interface". c) ISO d) SEI
 15. At a work site, statistical quality control of conce a) Measurement of risks to eliminate failures b) Applying the theory' of probability to sample testing or inspection 	c) Reduction in wastage of inspection costs
16. Definition of Quality isa) It is conformation to specification.b) It is about meeting the needs of the customer.	c) It is reduction in variability. (d) All of the above
17. Which are the indicators of good quality in a structurally sound.b) Proper materials are selected for proper purpose	c) Workmanship is excellent All of the above
A - Salinación de la sa	
Dr. S.THILAGAVATHI M.E., Ph.D.	S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BNARATHI ENGINEERING COLLEGE FOR WOMEN Katkkurchi- 622 303, Pourkontal Or

18. Which of this is not a good quality indicator in	a structure?
 a) Adequate testing is done and results are satisfactory 	Expensive method of construction is adopted
b) Construction is supervised by technically qualified person	d) Construction team is quality conscious
19. In construction industry QCIP stands for	
a) Quantity Costing and Integration Programb) Quality Control and Improvement Program	Quality Control Inspection Program Quality Control Internal Program
20. Quality is not maintained by contractor because	e of
a) To earn more profit using inferior material	c) To cover up mistakes without rectifying
b) To complete the work early	d) All of the above
21. The minimum content of QCIP should be	
a) Project introduction and proposed construction	c) Number and specialties of inspectors proposed
b) Organization chart of inspection force	(DAll of the above
22. Which of these is not required as content of QC	IP?
a) Frequency of testing	c) Schedule of all major activities of
(b) Schedule of fund flow	construction d) Planned use of consultants
23. Which of these is not a cost of quality control?	
a) Prevention Costs	c) External Cost
(b) Indirect Cost	d) Appraisal Cost
24. CONQUAS stands for	
a) Quality Control System for Construction (b) Construction Quality Assessment System	c) Construction Quality Assurance System d) Construction Quality Control System
25. Quality Assurance is a sum of	
a) Quality Design b) Quality conformance and performance	c) Quality Service d) All of the above

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

Name of the Student : MONIKA · K Year/S

Year/Sem: 11/1V

AU Register Number: 912617103005

Value Added Course on

"Quality Assurance and Quality Control in Civil Engineering"

MCQ QUESTIONS (25X4 = 100 Marks)

1. What is known as the maximu	im percentage of defective accepted by the customer?
a) SQC (b) AQL	c) Order quantity
(b) AQL	d) Arbitrary sampling

- 2. What is the abbreviation of AAMA?
 - a) Apparel Aids for Manufactures Association
 - Manufacturers
 Association
- c) American and Mexican Association
- d) American Aided Manufactures Association
- 3. Which is the process of maintaining the standards in the product?
 - a) Quantity assuranceb) Quality control

c) Quality testing
(d) Quantity inspection

- 4. What is the goal of quality controllers?
 - a) Maintain products and materials
 - Maintain quality standards

- c) Maintain required materials
- d) Maintain quality of material
- 5. Who is responsible to solve the quality problem?
 - a) Industrial engineers
 - (b) Quality supervisor

- c) Sewing operator
- d) Manager
- 6. Which method inspects random shipments?
 - (a) Spot checking
 - b) Statistical sampling

- c) Arbitrary samplingd) No inspection
- 7. What is the other name for broken picks?
 - a) Floats
 - b) Double picks

- c) Lashing in
- (d) Temple mark

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8. Which of these is not a factor affecting quality	Control?
a) Employees of an organization (b) Site location	c) Skills of workers d) Supervision standards
9. What are the advantages of quality control?a) Reduction in construction costb) Less inspection required	© Both A & B d) Reduction in material cost
Statistical Quality Control applied for a) To maintain quality b) To improve quality	c) To solve quality problems d All of the above
11. Which of these is not an objective of SQC?a) To know the trend of variables in the qualityb) To decide the suitable quality level	To assess the risk of project failure d) To reduce scrap and spoiled work
12. QMS, TQM, and QIP all corresponds to ———— a) Quality techniques b) Quality abbreviations	c) Quality parameters d) None of the above
13. Quality improvement program focuses on –a) Procedureb) Process and organization structure	c) Research and responsibilities (d) All are true
14. The quality measure "inspection of the usera) Static analyticalb) Dynamic analytical	r interface". c) ISO d) SEI
15. At a work site, statistical quality control of cond a) Measurement of risks to eliminate failures (b) Applying the theory' of probability to sample testing or inspection	c) Reduction in wastage of inspection costsd) Reduction in costs for the removal of defects
16. Definition of Quality isa) It is conformation to specification.b) It is about meeting the needs of the customer.	c) It is reduction in variability. (d) All of the above
17. Which are the indicators of good quality in a stra) Design of building is structurally sound.b) Proper materials are selected for proper purpose	c) Workmanship is excellent All of the above
DE S.THILAGAVATHI M.E., Ph.D.	Dr. S.TNILAGAVATHI M.E.,Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
FRINCIPAL SRI BHARATHI ENGINEERING OOLLEGE FOR WOMEN Kalkluchi - 622 303, Pudukiona na	Kalkkurchi - 622 303, Pudukkottai Dt.

18. Which of this is not a good quality indicator in a	a structure?
 a) Adequate testing is done and results are satisfactory 	Expensive method of construction is adopted
b) Construction is supervised by technically qualified person	d) Construction team is quality conscious
19. In construction industry QCIP stands for	
(a) Quantity Costing and Integration Program b) Quality Control and Improvement Program	d) Quality Control Inspection Program d) Quality Control Internal Program
20. Quality is not maintained by contractor because	e of
a) To earn more profit using inferior material	c) To cover up mistakes without rectifying them
b) To complete the work early	(d) All of the above
21. The minimum content of QCIP should be	
a) Project introduction and proposed construction	c) Number and specialties of inspectors
b) Organization chart of inspection force	d) All of the above
22. Which of these is not required as content of QC	IP?
a) Frequency of testing	c) Schedule of all major activities of construction
(b) Schedule of fund flow	d) Planned use of consultants
23. Which of these is not a cost of quality control?	
a) Prevention Costs	c) External Cost
Indirect Cost	d) Appraisal Cost
24. CONQUAS stands for	
a) Quality Control System for Construction Construction Quality Assessment System	c) Construction Quality Assurance System d) Construction Quality Control System
25. Quality Assurance is a sum of	
a) Quality Design	(c) Quality Service
b) Quality conformance and performance	d) All of the above

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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

Name of the Student : Flarthi &

Year/Sem: III/ II

AU Register Number: 91261610300 1

Value Added Course on

"Quality Assurance and Quality Control in Civil Engineering"

MCQ QUESTIONS (25X4 = 100 Marks)

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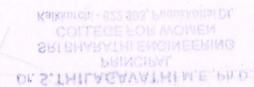
- c) Lashing in
- d) Temple mark

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Comment Stringsta Tree Continues No.	
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The second secon	SRI BHARATHI ENGINEERING
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DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2018-2019 (EVEN SEM)

MARK SHEET FOR VALUE ADDED COURSE- Quality Assurance and Quality Control in Civil Engineering

	912616103006	MASILAMANUM	MACIAN	ATTENDAN	CE DETAILS	VAC-M	CQ TEST	OVERALL
S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	No of Sessions	Attendance Mark(100)	No of Correct	MCQ Mark(100)	MARK(100) (50% of A +
44	912516103004	KASIMOZHUP	HINCHAIL	Attended	(A)	Answers	(B)	50% of B)
13	912617103001	CHANDRIKA.C	II/CIVIL	9	90	19	76	83
2	912617103002	DHESIKAPARTHI.D	II/CIVIL	9	90	21	84	87
3	912617103003	KARTHIKA.K	II/CIVIL	10	100	23	92	96
4	912617103004	KASTHURI.K	II/CIVIL	10	100	22	88	94
5	912617103005	MONIKA.K	II/CIVIL	10	100	20	80	90
6	912617103006	MUTHUMEENA.P	II/CIVIL	9	90	21	84	87
7	912617103007	POTHUMPEN.A	II/CIVIL	10 GAVATHI M. E	100	18	72	86

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8	912617103008	PRIYADHARSHINI.S	II/CIVIL	9	90	19	76	83
9	912617103009	RAJESWARI.J	II/CIVIL	10	100	. 20	80	90
10	912617103010	SIVAPRIYA.S	II/CIVIL	10	100	20	80	90
11	912617103701	LAKSHMI A	II/CIVIL	10	100	- 21	84	92
12	912616103001	AARTHI.G	III/CIVIL	9	90	18	72	81
13	912616103002	ANANTHI.S	III/CIVIL	8	80	17	68	74
14	912616103004	KANIMOZHI.P	III/CIVIL	9	90	20	80	85
15	912616103005	LAVANYA.K	III/CIVIL	9	90	21	84	87
16	912616103006	MASILAMANI.M	III/CIVIL	10	100	19	76	88
17	912616103007	MENAKA.R	III/CIVIL	10	100	20	80	90
18	912616103008	PRAVEENA.M	III/CIVIL	10	100	22	88	94
19	912616103301	GOWSIKA N	III/CIVIL	9	90	21	84	87
20	912616103302	KALISWARI M	III/CIVIL	9	90	18	72	81
21	912616103303	MAHESWARI M	III/CIVIL	10	100	17	. 68	84

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	912616103304	SARATHAPRITHA S	- GO	HARATHI FIN	ANGUMESS:			
22	912010103304	SAKATHAPKITHA S	III/CIVIL	9	90	18	72	81
23	912616103501	VISALATCHI P	III/CIVIL	10	100	19	76	88
24	912615103001	ABINAYA .S	IV/CIVIL	9	90	20	80	85
25	912615103002	ALAMELU MANGAI .M	IV/CIVIL	8	80	21	84	82
26	912615103004	ANANTHI .V	IV/CIVIL	8	80	22	88	84
27	912615103005	AYESHA NAJUM .M	IV/CIVIL	9	90	17	68	79
28	912615103006	ELAMATHI .G	IV/CIVIL	10	100	19	76	88
29	912615103007	ELANTHENDRAL .N	IV/CIVIL	10	100	21	84	92
30	912615103008	GAYATHRI .R	IV/CIVIL	10	100	20	80	90
31	912615103009	GOMATHI .S	IV/CIVIL	9	90	18	72	81
32	912615103010	HARITHA .S	IV/CIVIL	9	90	19	76	83
33	912615103011	KARTHIKA .T	IV/CIVIL	10	100	21	84	92
34	912615103012	MADHUMITHA .M	IV/CIVIL	8	80	17	68	74
35	912615103013	RAIHANAJASMINE .A.S	IV/CIVIL	9	90	22	88	89

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Kalklurchi - 822 303, PuduxkottalDt.

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36	912615103014	RASIKA .R	IV/CIVIL	10	100	21 ,	84	92
37	912615103015	SYED ALI FATHIMA .G	IV/CIVIL	9	90	20	80	85
38	912615103016	VAITHEGI .V	IV/CIVIL	8	80	21	84	82
39	912615103302	SURIYA T	IV/CIVIL	9	90	20	80	85
40	912615103303	VANMATHI M	IV/CIVIL	8	80	18	72	76

VAC Coordinator

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

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Criteria 2

Teaching-Learning and Evaluation

350

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

2018-2019
CIVIL ENGINEERING
PARTICIPATIVE LEARNING
SYMPOSIUM



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DEPARTMENT OF CIVIL ENGINEERING

List of Civil Engineering Students Attended

Symposium/Workshop/Seminar/Conference-Participative learning

Academic Year 2018-2019

S.No	Register No	Student Name	Year/Sem	Name of the Learning Method
1	912615103008	Gayathri.R	IV/VIII	
2	912615103302	Suriya.T	IV/VIII	Symposium

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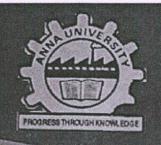
DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI-600 025 GOVERNMENT COLLEGE OF ENGINEERING, THANJAVUR-613 402 DEPARTMENT OF CIVIL ENGINEERING



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Certificate Of Appreciation

This is to certify	that Mr/Ms. R. GAYATHRI	of	
SRIBHARATHI CLG OF E	NGG FOR WOMEN has Won/1	Participated	
	in the event PAPER PRESEN	TATION held as a	
part of National Le	vel Technical Symposium Cre	epido19,	
	Organized By		
SOCIETY FOR THE A	DVANCEMENT OF CIVIL S	ENGINEERS	
on	28th February 2019	Dr. S.THILAGAVATHI M.E., P	h.D.
		PRINCIPAL SRI BHARATHI ENGINEERIN COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkoitai D	G
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CO-ORDINATOR	HOD/CIVIL	PRINCIPAL	
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Certificate Of Merit

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Winner / Runner / Participant inT.ECHNCAL	
event during "PILLARZ 2K19" a	national Level Technical Symposium organised b
Department of Civil Engineering on 15th Fe	
attukkottai.	MST.

M. Caravo casos com CO-ORDINATOR

W.M

HOD

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