



Indra Ganesan

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019-2020 / EVEN 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

VAC Title:	SAFETY IN CONSTRUCTION				
Resource Person:	Mr.K. KUMAR, Assistant Engineer, Kalam Construction, Thanjavur, Tamilnadu				
Date of conduct from:	20.07.2020	To:	24.07.2020	Duration:	30 Hours
Organized Department:	DEPARTMENT OF CIVIL ENGINEERING				
Participant Year:	CIVIL II ,III, IV	Semester:	EVEN	No. of Students Registered:	44
Venue:	https://meet.google.com/mnd-tpqm-gb (Google Meet)				

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Department of Civil Engineering

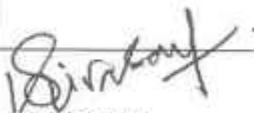
Academic Year 2019-2020 – Even Semester

DATE: 15.07.20

DEPARTMENT CIRCULAR

Department of Civil Engineering and IQAC of IGCE in association with **KALAM CONSTRUCTION** is going to organize Value Added Course for all Second, Third and Final year students of CIVIL engineering on “**Safety in construction**” from 20.07.20 to 24.07.20, through, <https://meet.google.com/mnd-tpqm-gbm> (Google meet link). Certificates will be issued to the eligible participants at the end of the Course.

Resource Person Detail	1. Mr.K. KUMAR, Assistant Engineer, Kalam Construction, Thanjavur, Tamilnadu
Venue	https://meet.google.com/mnd-tpqm-gb (Google Meet)


HOD/CIVIL


Principal

Cc:

- Principal Table
- IQAC Co-Ordinator
- HoD/ Civil
- Class In charges - II, III & IV-Year
- II, III & IV-Year Civil Students
- Office File
- Notice Board


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



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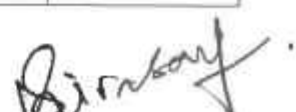
Value Added Course on "SAFETY IN CONSTRUCTION"

SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to construction industry and safety issues in construction	3	20.07.2020
2	Framing of contract conditions on safety and related matters	3	20.07.2020
3	Safety in various construction operations	3	21.07.2020
4	Familiarization with relevant Indian Standards and the National Building Code provisions on construction safety	3	21.07.2020
5	material handling and equipment's-Safety in storage & stacking of construction materials	3	22.07.2020
6	Safety in temporary power supply and fire safety at construction site.	3	22.07.2020
7	Licensing of Contractors, Welfare and Health provisions in the Act and the Rules, Penalties, Rules regarding wages.	3	23.07.2020
8	Code of Practices - -Preventive measures against Hazards at work places Part 1 & 2	3	23.07.2020
9	Indian standard - trusses, girders and beams	3	24.07.2020
10	Fire hazards and preventing methods	3	24.07.2020
Total Hours		30	-


VAC Coordinator


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
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HOD/CIVIL



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Value Added Course- "Safety in construction"

STUDENTS PARTICIPATION LIST

S.No.	Reg No	Student Name	Year/ Branch
1	811216103001	AUGUSTIN RAJ J	IV/ CIVIL
2	811216103002	DANISH AHAMED SHAREEF K	IV/ CIVIL
3	811216103003	HARIHARAN M	IV/ CIVIL
4	811216103005	ISHWARYA V	IV/ CIVIL
5	811216103006	JAMES ALPHONES RAJ A	IV/ CIVIL
6	811216103007	KALPANA K	IV/ CIVIL
7	811216103008	KARTHICK K	IV/ CIVIL
8	811216103009	MATHIAZHAGAN E	IV/ CIVIL
9	811216103010	PREETHA S	IV/ CIVIL
10	811216103011	SRINANDHINI V P	IV/ CIVIL
11	811216103012	SYED JAMIRDEEN S	IV/ CIVIL
12	811216103013	VIGNESH K	IV/ CIVIL
13	811216103014	YOGESHWARAN T	IV/ CIVIL
14	811216103301	ARAVIND A	IV/ CIVIL
15	811216103302	PRASANTH N R	IV/ CIVIL
16	811216103303	RAJ GOKUL A B	IV/ CIVIL
17	811216103304	THIRUMALAI VASAN T	IV/ CIVIL
18	811216103701	HARIHARAN T	IV/ CIVIL
19	811216103702	MANOJKUMAR.A	IV/ CIVIL
20	811216103703	NAVINKUMAR R	IV/ CIVIL

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S.No.	Reg No	Student Name	Year/ Branch
1	811217103001	AISHWARIYA.P	III/ CIVIL
2	811217103002	AKASH.S	III/ CIVIL
3	811217103003	AROCKIA RENALDO.J	III/ CIVIL
4	811217103004	AVINASH KUMAR.R	III/ CIVIL
5	811217103005	BALAJI.S	III/ CIVIL
6	811217103006	BALASUBRAMANIR	III/ CIVIL
7	811217103007	DEEPAN.S.K	III/ CIVIL
8	811217103008	GAYATHRI.A	III/ CIVIL
9	811217103009	KOKILA.P	III/ CIVIL
10	811217103010	MANIKANDAN.G	III/ CIVIL
11	811217103011	MOUNIKA.M	III/ CIVIL
12	811217103012	NAVANEETHAN KRISHNAN.K	III/ CIVIL
13	811217103013	PALANIYAPPAN.N	III/ CIVIL
14	811217103014	SALEEM KHAN.S	III/ CIVIL
15	811217103015	SATHISH KUMAR.S	III/ CIVIL
16	811217103016	THAMARAI SELVI.K	III/ CIVIL
17	811217103301	ARUN PRASATH R	III/ CIVIL
18	811217103302	JOEL FERNANDEZ.R	III/ CIVIL
19	811217103303	SUMITHIRA.R	III/ CIVIL
20	811217103304	THIRUPATHI RAJA.G	III/ CIVIL

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S.No.	Reg No	Name	Year/Branch
1	811218103001	AKASH J	II/ CIVIL
2	811218103002	M. MAHENDRAN	II/ CIVIL
3	811218103003	S MUSARAF ALI	II/ CIVIL
4	811218103004	PRABU J	II/ CIVIL

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VAC Coordinator

HOD/CIVIL



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REPORT ON VALUE ADDED COURSE

Title:

"Safety in construction"

Resource Person:

Mr.K. KUMAR,
Assistant Engineer,
Kalam Construction,
Thanjavur, Tamilnadu

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Date of conduct from:

20.07.20

To:

24.07.24

Duration:

30 Hours

Organized Department:

CIVIL ENGINEERING

Participant Year:

2, 3, 4

Semester:

EVEN

No. of Students Registered:

44

Venue:

<https://meet.google.com/mnd-tpqm-gb>(Google meet link)

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

- Basic terminology in safety, types of injuries, safety pyramid
- Accident patterns, theories of accident-causation
- Planning for safety budget, safety culture
- Introduction to OSHA regulations
- Role of stakeholders in safety
- Site safety programs - Job hazard analysis, accident investigation & accident indices-violation, penalty
- Safety during construction, alteration, demolition works – Earthwork, steel construction, temporary structures, masonry & concrete construction, cutting & welding

Assessment Process

Students, who are securing more than 70% 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) .


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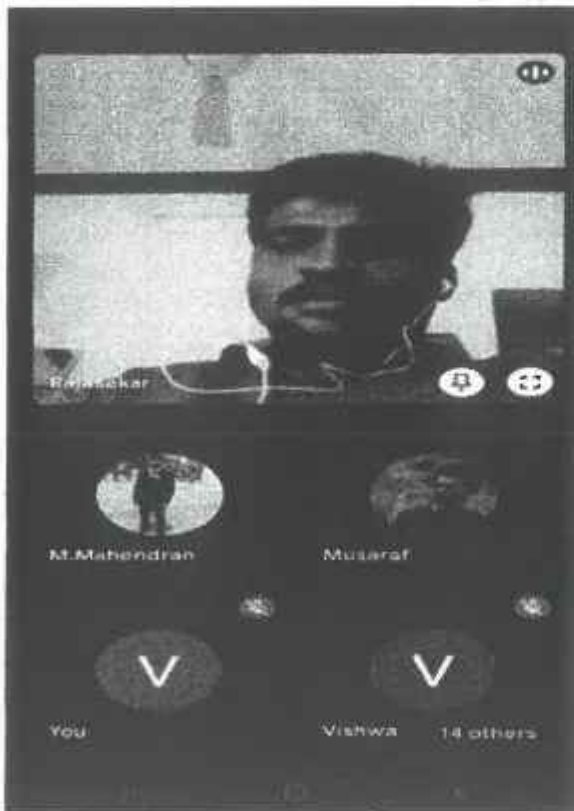
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REPORT ON VALUE ADDED COURSE (SAMPLE PHOTOS)

Title:	"Safety in construction" 			
Resource Person:	Mr.K. Kumar, Assistant Engineer Kalam Construction, Trichy, Tamilnadu		Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.	
Date of conduct from:	20.07.20	To:	24.07.24	Duration: 30 Hours
Organized Department:	CIVIL ENGINEERING			
Participant Year:	2, 3, 4	Semester:	EVEN	No. of Students Registered: 44
Venue:	https://meet.google.com/mmd-tpqm-gb (Google meet link)			




VAC Coordinator




HoD/CIVIL


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Department of Civil Engineering

Academic Year 2019-2020 – Even Semester

Name of the Student:

NYear/Sem:

AU Register Number:

Value Added Course on "Safety in construction"

MCO QUESTIONS (25X4 = 100 Marks)

1. While using ladder one should not lean sideways more than _____.
a) 40 cms
b) 50 cms
c) 30 cms
d) 45 cms
2. Which is the most accepted method of avoiding accident?
a) Wearing safety equipment
b) Doing things in one's own way
c) Performing with highly skilled working practice
d) Observing safety precautions related to job, machine and working place
3. For repair works at high level of multi storied buildings needle scaffolding is preferred
a) As it is more stable
b) As it looks better
c) As it will not obstruct traffic at ground level
d) All of the above
4. Which cost is not include in direct accidents costs?
a) Medical care expenses for injured
b) Replacement cost of equipment and material damaged in accidents
c) Decrease in moral which affects productivity
d) Fees for legal counsel
5. Sinking fund is
a) The fund for rebuilding a structure when its economic life is over
b) Raised to meet maintenance costs
c) The total sum to be paid to the municipal authorities by the tenants
d) A part of the money kept in reserve for providing additional structures and structural modifications
6. Pre-tender stage requires
a) Acquisition of land
b) Selection of site
c) Finalization of alignment of work
d) All the above

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Department of Civil Engineering Dr. G. Balakrishnan, M.E., Ph.D.,
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7. Select the correct statement.
 - a) A critical path always begins at the very first event
 - b) A critical path always terminates at the last event
 - c) Critical activities control the project duration
 - d) Critical activity is the one for which free float is zero
8. Free float for any activity is defined as the difference between
 - a) Its earliest finish time and earliest start time for its successor activity
 - b) Its latest start time and earliest start time
 - c) Its latest finish time and earliest start time for its successor activity
 - d) Its earliest finish time and latest start time for its successor activity
9. In CPM analysis,
 - a) Emphasis is given to activities
 - b) Uncertainties are not allowed
 - c) Activities are represented by arrows
 - d) All the above
10. If TL is the latest allowable event occurrence time, total activity slack(s), is equal to
 - a) $LST - EST$
 - b) $LFT - EFT$
 - c) $TL - EFT$
 - d) All the above
11. The constraints in case of resource smoothening operation would be
 - a) Resources
 - b) Project duration time
 - c) Both resources and project duration time
 - d) None of the above
12. The time which results in the least possible construction cost of an activity, is known as
 - a) Normal time
 - b) Slow time
 - c) Crash time
 - d) Standard time
13. Various activities of a project, are shown on bar charts by
 - a) Vertical lines
 - b) Horizontal lines
 - c) Dots
 - d) Crosses
14. Total float for any activity is defined as the difference between
 - a) Its latest finish time and earliest start time for its successor activity
 - b) Its latest start time and earliest finish time
 - c) Its latest start time and earliest start time
 - d) Its earliest finish time and earliest start time for its successor activity
15. Pick up the correct statement from the following:
 - a) Earliest expected time is denoted by T_E
 - b) Contractual obligation time is denoted by T_s
 - c) Contractual obligation time is denoted by T_s



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- b) Latest occurrence time is denoted by T_L d) All the above
16. Residential buildings are treated as
- a) Light construction c) Industrial construction
b) Heavy construction d) Private construction
17. Pick up the PERT event from the following:
- a) Digging of foundation started c) Laying of concrete started
b) Digging of foundation completed d) All the above
18. The process of incorporating changes and rescheduling or replanning is called
- a) Resource levelling c) Updating
b) Resource smoothening d) Critical path scheduling
19. Pick up the correct statement from the following:
- a) Programme Evaluation and Review Technique, is event oriented c) Critical Path Method is event oriented
b) Programme Evaluation and Review Technique is not event oriented d) Critical Path Method is not event oriented
20. Time and progress chart of a construction, is also known as
- a) Bar chart c) Modified Mile stone chart
b) Gantt chart d) All the above
21. The technique for establishing and maintaining priorities among the various jobs of a project, is known as
- a) Event flow scheduling technique c) Slotting technique for scheduling
b) Critical ratio scheduling d) Short interval scheduling
22. A CPM family includes
- a) CPA (Critical Path Analysis) c) MCE (Minimum Cost Expenditure)
b) CPP (Critical Path Plotted) d) All the above
23. Critical path
- a) Is always longest c) May be longest
b) Is always shortest d) May be shortest

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Academic Year 2019-2020 – Even Semester

Value Added Course on “Safety in construction”

REPORT ON VALUE ADDED COURSE

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

ANSWER KEY

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

VAC Coordinator

HoD/CIVIL

24.07.20

BALAJI . S

811217103005

3rd - CIVIL

1. b) 150 cms
2. d) Observing. Safety precautions related to job machine and working place
3. d) All of the above
4. c) Decrease in moral which affects productivity
5. a) The fund for rebuilding a structure when its economic life is over
6. d) All of the above
7. d) Critical activity. is the one for which free float is zero
8. a) Its earliest finish time and earliest start time for smallest activity
9. d) All of the above
10. d) All of the above
11. b) Project duration time is
12. b) Slow time
13. b) Horizontal links
14. b) its latest start time and earliest finish time
15. d) All of the above
16. a) Light construction
17. d) All of the above
18. c) Updating
19. a) Programmatic evaluation and review technique as per event oriented.
20. d) All of the above

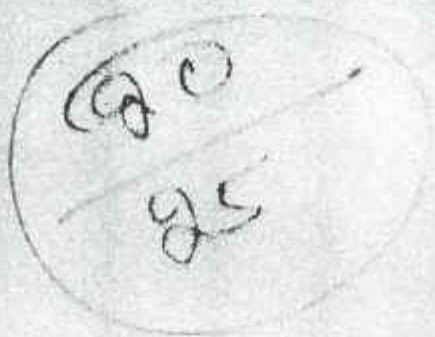
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25

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- 21. b) Critical ratio scheduling X
- 22. d) All the above
- 23. a) Is always longest
- 24. c) $(a + 4m + b) / 6$
- 25. c) Sharp foot round

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Maerai Main Road
Manikandam, Trichy-620 012.



1. b, 50cm
2. d, observing safety precaution related to job, machine and working place
3. d. All of the above
4. c, Decrease in moral which affects productivity
5. a, The fund for rebuilding a structure when its economics life is over
6. d, all the above
7. d) critical activity is the one for which free float is zero
8. a, g/s earliest finish time and earliest start time for it
Successor activity
9. d, all the above
10. d, all the above X
11. b) both resource and project duration X
12. b) slow time
13. b) Horizontal lines
14. b) It's latest start time and earliest finish time
15. d, all the above
16. a) light construction
17. d) All the above
18. c) updating
19. a) programme evaluation from flow is event oriented
20. d) All the above
21. b) slotting technique for scheduling

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Principal

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22, d, All the above X

23, a, JS always longest ✓

24, c, $(a+4m+b)/6$ ✓

25, c, Sheep foot rollers ✓



Dr. G. Balakrishnan, M.E., Ph.D.

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www.igvalley.edu.in

Date 24.07.20

211216103003

M. Harin Haran
4th year Civil

21
—
25

1. b). 50 cms
2. d). Observing safety precautions related to job, machine and working place.
3. d). All of the above
4. c). Decrease in moral which affects productivity
5. a). The fund for rebuilding a structure when its economic life is over.
6. d). All the above
7. d). Critical activity is the one for which free float is zero.
8. a). Its earliest finish time and earliest start time for successor activity.
9. d). All the above.
10. d). All the above
11. b). Project duration time
12. b). Slow time
13. b). Horizontal lines
14. b). Its latest start time and earliest finish time.
15. d). All the above
16. a). Light construction
17. d). All the above


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18. c). Updating

19. a). Programme evaluation & review Technique
is not event oriented.

20. d). All the above

21. b). Critical ratio scheduling.

22. d) All the above

23. a). Is always longest

24. c). $(a + 4m + b) / b$

25. c). Sheep foot rollers.

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STUDENTS PARTICIPATION LIST

MARK SHEET FOR VALUE ADDED COURSE PROGRAM – Safety in Construction

S.No.	Reg No	Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1	811216103001	AUGUSTIN RAJ J	IV/CIVIL	30	100	20	80	90
2	811216103002	DANISH AHAMED SHAREEF K	IV/CIVIL	27	90	21	84	87
3	811216103003	HARIHARAN M	IV/CIVIL	30	100	21	84	92
4	811216103005	ISHWARYA V	IV/CIVIL	27	90	20	80	85
5	811216103006	JAMES ALPHONES RAJ A	IV/CIVIL	30	100	21	84	92
6	811216103007	KALPANA K	IV/CIVIL	30	100	22	88	94
7	811216103008	KARTHICK K	IV/CIVIL	30	100	20	80	90
8	811216103009	MATHIAZHAGAN E	IV/CIVIL	27	90	21	84	87
9	811216103010	PREETHA S	IV/CIVIL	27	90	19	76	83
10	811216103011	SRINANDHINI V P	IV/CIVIL	27	90	19	76	83
11	811216103012	SYED JAMIRDEEN S	IV/CIVIL	30	100	21	84	92

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				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
12	811216103013	VIGNESH K	IV/CIVIL	30	100	20	80	90
13	811216103014	YOGESHWARAN T	IV/CIVIL	27	90	21	84	87
14	811216103301	ARAVIND A	IV/CIVIL	30	100	21	84	92
15	811216103302	PRASANTH N R	IV/CIVIL	27	90	20	80	85
16	811216103303	RAJ GOKUL A B	IV/CIVIL	30	100	21	84	92
17	811216103304	THIRUMALAI VASAN T	IV/CIVIL	30	100	22	88	94
18	811216103701	HARIHARAN T	IV/CIVIL	30	100	20	80	90
19	811216103702	MANOJKUMAR.A	IV/CIVIL	27	90	21	84	87
20	811216103703	NAVINKUMAR R	IV/CIVIL	27	90	19	76	83
1	811217103001	AISHWARIYA.P	III/CIVIL	30	100	21	84	92
2	811217103002	AKASH.S	III/CIVIL	30	100	22	88	94
3	811217103003	AROCKIA RENALDO.J	III/CIVIL	30	100	20	80	90
4	811217103004	AVINASH KUMAR.R	III/CIVIL	27	90	21	84	87
5	811217103005	Dr. G. Balakrishnan, M.E., Ph.D., B.A., M.S. Principal	III/CIVIL	27	90	19	76	83

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Department of Civil engineering

S.No.	Reg No	Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
6	811217103006	BALASUBRAMANI.R	III/CIVIL	30	100	20	80	90
7	811217103007	DEEPAN.S.K	III/CIVIL	27	90	21	84	87
8	811217103008	GAYATHRI.A	III/CIVIL	30	100	21	84	92
9	811217103009	KOKILA.P	III/CIVIL	27	90	20	80	85
10	811217103010	MANIKANDAN.G	III/CIVIL	30	100	21	84	92
11	811217103011	MOUNIKA.M	III/CIVIL	30	100	22	88	94
12	811217103012	NAVANEETHAN KRISHNAN.K	III/CIVIL	30	100	20	80	90
13	811217103013	PALANIYAPPAN.N	III/CIVIL	27	90	21	84	87
14	811217103014	SALEEM KHAN.S	III/CIVIL	27	90	19	76	83
15	811217103015	SATHISH KUMAR.S	III/CIVIL	30	100	21	84	92
16	811217103016	THAMARAI SELVI.K	III/CIVIL	30	100	22	88	94
17	811217103301	ARUN PRASATH R	III/CIVIL	30	100	20	80	90
18	811217103302	JOEL FERNANDEZ.R	III/CIVIL	27	90	21	84	87
19	811217103303	SUMITHIRA.R	III/CIVIL	27	90	19	76	83
20	811217103304	THIRUPATHI RAJA.G	III/CIVIL	27	90	19	76	83

Dr. G. Balakrishnan, M.E., Ph.D.,

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				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1	811218103001	AKASH J	II/CIVIL	27	90	20	80	85
2	811218103002	M. MAHENDRAN	II/CIVIL	30	100	21	84	92
3	811218103003	S MUSARAF ALI	II/CIVIL	30	100	22	88	94
4	811218103004	PRABU J	II/CIVIL	30	100	20	80	90


VAC Coordinator


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Principal
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Department of Civil engineering

Academic Year 2019-2020 – Odd Semester

STUDENTS ATTENDANCE LIST Value Added Course- Estimation and current practices in civil engineering

S.No.	Reg No	Name	Year/ Branch	20.07.20		21.07.20		22.07.20		23.07.20		24.07.20		NO OF SESSIONS ATTENDED	SIGN OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	811216103001	AUGUSTIN RAJ J	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	ONLINE MODE
2	811216103002	DANISH AHAMED SHAREEF K	IV/CIVIL	a	P	P	P	P	P	P	P	P	P	9	
3	811216103003	HARIHARAN M	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
4	811216103005	ISHWARYA V	IV/CIVIL	P	P	a	P	P	P	P	P	P	P	9	
5	811216103006	JAMES ALPHONES RAJ A	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
6	811216103007	KALPANA K	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
7	811216103008	KARTHICK K	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
8	811216103009	MATHIYAZHAGAN E	IV/CIVIL	P	P	P	P	P	P	P	a	P	P	9	
9	811216103010	PREETHA S	IV/CIVIL	P	P	P	P	P	a	P	P	P	P	10	
10	811216103011	SRINANDHINI V P	IV/CIVIL	P	P	a	P	P	P	P	P	P	P	10	
11	811216103012	SYED JAMIRDEEN S	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	

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S.No.	Reg No	Name	Year/ Branch	20.07.20		21.07.20		22.07.20		23.07.20		24.07.20		NO OF SESSIONS ATTENDED	SIGN OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
12	811216103013	VIGNESH K	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	ONLINE MODE
13	811216103014	YOGESHWARAN T	IV/CIVIL	P	a	P	P	P	P	P	P	P	P	9	
14	811216103301	ARAVIND A	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
15	811216103302	PRASANTH N R	IV/CIVIL	P	P	P	P	P	a	P	P	P	P	9	
16	811216103303	RAJ GOKUL A B	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
17	811216103304	THIRUMALAI VASANT	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
18	811216103701	HARIHARAN T	IV/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
19	811216103702	MANOJKUMAR.A	IV/CIVIL	P	a	P	P	P	P	P	P	P	P	9	
20	811216103703	NAVINKUMAR R	IV/CIVIL	P	P	P	P	P	a	P	P	P	P	9	
1	811217103001	AISHWARIYA.P	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
2	811217103002	AKASH.S	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
3	811217103003	AROCKIA RENALDO.J	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
4	811217103004	AVINASH KUMAR.R	III/CIVIL	P	P	P	a	P	P	P	P	P	P	9	
5	811217103005	BALAJI.S	III/CIVIL	P	P	P	P	P	P	P	P	P	P	9	

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				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
6	811217103006	BALASUBRAMANIR	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	ONLINE MODE
7	811217103007	DEEPAN.S.K	III/CIVIL	P	P	P	P	a	P	P	P	P	P	9	
8	811217103008	GAYATHRIA	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
9	811217103009	KOKILA.P	III/CIVIL	P	P	P	P	P	a	P	P	P	P	9	
10	811217103010	MANIKANDAN.G	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
11	811217103011	MOUNIKA.M	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
12	811217103012	NAVANEETHAN KRISHNAN.K	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
13	811217103013	PALANIYAPPAN.N	III/CIVIL	P	P	P	a	P	P	P	P	P	P	9	
14	811217103014	SALEEM KHAN.S	III/CIVIL	P	P	P	P	a	P	P	P	P	P	9	
15	811217103015	SATHISH KUMAR.S	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
16	811217103016	THAMARAI SELVI.K	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
17	811217103301	ARUN PRASATH R	III/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
18	811217103302	JOEL FERNANDEZ.R	III/CIVIL	P	a	P	P	P	P	P	P	P	P	9	
19	811217103303	SUMITHIRA.R	III/CIVIL	P	P	P	P	P	P	P	P	P	P	9	

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Principal

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20	811217103304	THIRUPATHI RAJA.G	III/CIVIL	P	P	P	P	P	a	P	P	P	P	9	
S.No.	Reg No	Name	Year/ Branch	20.07.20		21.07.20		22.07.20		23.07.20		24.07.20		NO OF SESSIONS ATTENDED	SIGN OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	811218103001	AKASH J	II/CIVIL	P	P	P	P	a	P	P	P	P	P	9	ONLINE MODE
2	811218103002	M. MAHENDRAN	II/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
3	811218103003	S MUSARAF ALI	II/CIVIL	P	P	P	P	P	P	P	P	P	P	10	
4	811218103004	PRABU J	II/CIVIL	P	P	P	P	P	P	P	P	P	P	10	

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Manikandam, Trichy-620 012.


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**CERTIFICATE
OF PARTICIPATION**

The following awards are given to

This is to certify that **Mr. AUGUSTIN RAJ J** of IV Year has successfully completed the Value Added Course "Safety in Construction" organized by Department of CIVIL Engineering in Association with "Kalam Construction" from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


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This is to certify that Ms. KALPANA K of IV Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

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This is to certify that Mr. KARTHICK K of IV has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


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Principal
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IG Valley, Madurai, Tamil Nadu


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This is to certify that Mr. HARIHARAN M of IV Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


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Principal
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IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.


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This is to certify that Mr. ARAVIND A of IV Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

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This is to certify that Mr. MANOJ KUMAR A of IV Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

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Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road

Phone: 04562-254111, 254112, 254113

Principal
Indra Ganesan College of Engineering



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This is to certify that Mr. BALAJI S of III Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

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Principal
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This is to certify that Mr. MANIKANDAN G of III Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

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This is to certify that Ms. MONIKA M of III Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


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Principal
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This is to certify that Mr. AKASH S of III Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

Managing Director,
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This is to certify that Mr. AVINASH KUMAR R of III Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


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Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
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This is to certify that Mr. DEEPAN S K of III Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


Managing Director,
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Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.


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This is to certify that Mr. MUSARF ALI S of II Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

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Principal
Indra Ganesan College of Engineering
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CERTIFICATE OF PARTICIPATION

The following awards are given to

This is to certify that Mr. PRABU JJ of II Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


Managing Director,
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Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
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Manikandam, Trichy-620 012.


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The following awards are given to

This is to certify that Mr. MAHENDRAN M of II Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.

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Principal
Indra Ganesan College of Engineering
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This is to certify that Mr. AKASH J of II Year has successfully completed the Value Added Course “Safety in Construction” organized by Department of CIVIL Engineering in Association with “Kalam Construction” from 20.07.2020 to 24.07.2020 (5 days) during the Academic year 2019-2020.


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Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.


Principal
Indra Ganesan College of Engineering