

 Estd : 1984	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI - 638060 INTERNAL QUALITY ASSURANCE CELL	 CERT No.: 99-100-20788 ISO 9001 : 2015
	Department Organizer's Check List	

Title of the Course: 18VAC18 WIND LOAD ANALYSIS OF STRUCTURES

Date: From 15/03/2021 to 23/04/2021

Checks to be made

S.No.	ACTIVITY	Yes/No/NA
1.	Circular / Brochure Announcement	Yes
2.	Confirmation of participants	Yes
3.	Identification of faculty for handling classes	Yes
4.	Fixing External faculty / Industrial Experts	No
5.	Course material preparation	Yes
6.	Time Table preparation	Yes
7.	Copy of Time Table to all faculty handling classes	No
8.	Accommodation for External Guest	No
9.	Refreshment arrangement	No
10.	Hall arrangements	Yes
11.	Presentation Aids	No
12.	Attendance Sheet	Yes
13.	Local Visits - Permission from Industries. Transport, faculty arrangement	No
14.	Participants feed back form	Yes
15.	Preparation of participants Certificates	Yes

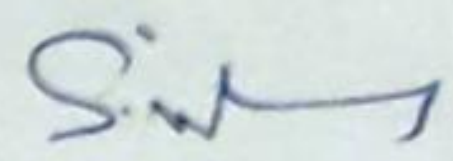
S. W. 1

 Estd : 1984	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI - 638060 INTERNAL QUALITY ASSURANCE CELL	 CERT 166 : 99-100 / 25758 ISO 9001 : 2015
	Department Attendance Sheet	

Title of the Course: 18VAC18 WIND LOAD ANALYSIS OF STRUCTURES

Date: From 15/03/2021 to 23/04/2021

S.No	Roll No	Name	Total number of hours conducted	Total number of hours Present	Total number of hours Absent	% of Attendance
1	18CER021	Bavvish AGK	31	26	5	83.87
2	18CER032	Deepiha S	31	29	2	93.55
3	18CER034	Deepika C	31	29	2	93.55
4	18CER039	Dinesh K	31	27	4	87.1
5	18CER044	Gayathri S	31	28	3	90.32
6	18CER051	Gowtham P	31	25	6	80.65
7	18CER054	Gowthaman G	31	25	6	80.65
8	18CER099	Monishwar R	31	26	5	83.87
9	18CER101	Mugilan M	31	27	4	87.1
10	18CER102	Mukhila BS	31	30	1	96.77
11	18CER105	Naahadharshini SR	31	29	2	93.55
12	18CER106	Nagul M	31	28	3	90.32
13	18CER117	Pavithra Devi R	31	29	2	93.55
14	18CER120	Piruthiviraj Sundharavel T	31	27	4	87.1
15	18CER129	Preethi M	31	29	2	93.55
16	18CER130	Raamakrishnan VV	31	30	1	96.77
17	18CER136	Rajesh R	31	29	2	93.55
18	18CER141	Ramkumar R	31	29	2	93.55
19	18CER146	Rithun K	31	27	4	87.1
20	18CEL210	Pavithran S	31	26	5	83.87
21	18CEL212	Praveen M	31	25	6	80.65
22	18CER165	Sowmiyashree C	31	28	3	90.32
23	18CER186	Vetriselvan N	31	29	2	93.55
24	18CER190	Vishnuvaradhan R V	31	29	2	93.55


Course Faculty

 Estd : 1984	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI - 638060 INTERNAL QUALITY ASSURANCE CELL	 CERT No.: 99-100-20788 ISO 9001 : 2015
	Department Feedback Sheet	

1.0 Name of the Participant (Optional): SOWMIYASHREE .C

2.0 Course title : WIND LOAD ANALYSIS OF STRUCTURES

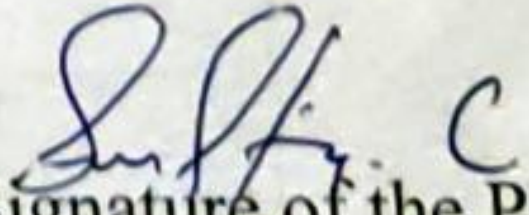
3.0 Dates of the program : 15/3/21 to 23/04/21

4.0 Please rate the following parameters as per points given below.

10 - Excellent 8 - Good 6 - Average 4 - Below average 2 - Poor

a) The overall rating of the course	(10)	8	6	4	2
b) Course delivery	10	(8)	6	4	2
c) Communication	(10)	8	6	4	2
d) Course material	10	(8)	6	4	2
e) Arrangements	(10)	8	6	4	2
f) Ability to clear doubts	10	(8)	6	4	2
g) Practical sessions	10	(8)	6	4	2
h) Hospitality	(10)	8	6	4	2
i) Examination (if conducted)	(10)	8	6	4	2

Please also give your suggestion for improvement


 Signature of the Participant



KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI - 638060
INTERNAL QUALITY ASSURANCE CELL

**Department
Feedback Sheet**

NCV-04, Rev.0, 01.09.2019



CERT No.: 99-100-20755
ISO 9001:2015

- 1.0 Name of the Participant (Optional): Vishnuvaradhan RV
- 2.0 Course title : 18VAC18 wind load analysis of structure
- 3.0 Dates of the program : 15/3/21 to 23/04/21
- 4.0 Please rate the following parameters as per points given below.

10 - Excellent 8 - Good 6 - Average 4 - Below average 2 - Poor

a) The overall rating of the course	10	<u>8</u>	6	4	2
b) Course delivery	10	<u>8</u>	6	4	2
c) Communication	10	<u>8</u>	6	4	2
d) Course material	10	<u>8</u>	6	4	2
e) Arrangements	10	<u>8</u>	6	4	2
f) Ability to clear doubts	<u>10</u>	8	6	4	2
g) Practical sessions	<u>10</u>	8	6	4	2
h) Hospitality	<u>10</u>	8	6	4	2
i) Examination (if conducted)	<u>10</u>	8	6	4	2

Please also give your suggestion for improvement

Vishnu
Signature of the Participant

 Estd : 1984	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI - 638060 INTERNAL QUALITY ASSURANCE CELL	NCV-04, Rev.0, 01.09.2019  CERT No. 88-100-20798 ISO 9001:2015
	Department Feedback Sheet	

- 1.0 Name of the Participant (Optional): NAGUL M
- 2.0 Course title WIND LOAD ANALYSIS OF STRUCTURES
- 3.0 Dates of the program 15/03/2021 to 23/04/2021
- 4.0 Please rate the following parameters as per points given below.

	10 - Excellent	8 - Good	6 - Average	4 - Below average	2 - Poor
a) The overall rating of the course	10	8	6	4	2
b) Course delivery	10	8	6	4	2
c) Communication	10	8	6	4	2
d) Course material	10	8	6	4	2
e) Arrangements	10	8	6	4	2
f) Ability to clear doubts	10	8	6	4	2
g) Practical sessions	10	8	6	4	2
h) Hospitality	10	8	6	4	2
i) Examination (if conducted)	10	8	6	4	2

Please also give your suggestion for improvement

Nagul M
Signature of the Participant



KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI, ERODE - 638 060
DEPARTMENT OF CIVIL ENGINEERING



COURSE FILE INDEX (ODD/EVEN) (Academic Year: 2019-2020)

Name of the Faculty		Dr. S. Karthikeyan & Srinivas Kumar			
Course Code and Name		18VA18 - Wind load analysis of Structure.			
Academic Year and Semester		2019-2020, Even (VI).			

SL.No	List / Detail	Yes/No	SL.No	List / Detail	Yes/No
1	Syllabus with recommended book	✓	7	Course End Survey	✓
2	Time Table	-	8	Final Attendance List (Log Book)	✓
3	Lesson Plan with ILO & PI	✓	9	Internal Mark Statement (Log Book)	✓
4	Lecture note book/Self prepared e-content	✓	10	CCC Minutes (If Applicable)	-
5	Personal log book	✓	11	Activity Based Learning (Sample)	-
6	Test failure Action	-	12	Power point slides (Sample)	✓

CAT					
Test No.	Question Paper	Answer Key	Mark Sheet	Sample Answer Sheets	CO & PO Attainment Calculation
1	✓	-	✓	✓	
2	✓	-	✓	✓	
3					

Tutorials					
Tutorials	Question Paper	Mark Sheet	Sample Answer Sheets	CO & PO Attainment Calculation	
1					
2					
3					
4					
5					
6					
7					
8					

Other Assessment		
Description	Mark Statement	CO & PO Attainment Calculation
	NA	

Course Outcome Attainment

Assessment	CO1	CO2	CO3	CO4	CO5	CO6	CO7
CA Test 1							
CA Test 2							
CA Test 3							
Tutorial							
Other Assessment							
End Sem							
Average							

CO assessment and PO attainment Chart (excel sheets) should be attached for Three Tests, Assignment, Other Assessment & End Sem Exam

[Signature]
Course Faculty

Course Coordinator (If applicable)

[Signature]
Academic Coordinator

BOARD OF CIVIL ENGINEERING

Date: 01.03.2021

Note: Submitted to Principal for Approval for One / Two credit Courses Offered in the academic Year 2020-2021 Even Semester

Sl. No	Regulations	Course Name	Course code (for Repeated Course) / New Course	Name of the Co-ordinators (Max:2)	Experts details from Industry (If any)	Whether Expert(s) is/are Alumni (yes/no)	Lecture Hours	Practical Hours	Total Hours	Specify Fee Per Batch or Fee Per Student	Fee Amount (Fee/Batch or Fee/Student)	Course Duration		Offered to (Year/Sem/ Branch of the student)
												From	To	
1	2018	Interior Design	New Course	Dr. P. S. Kothai	Ar.K.Parthasarathi, Assistant Professor (Sr.G), Kongu School of Architecture, Perundurai.	No	30	0	30	Nil	Nil	15.03.2021	23.04.2021	III year VI semester Civil Engineering Students
2	2018	Wind Load Analysis of Structure	New Course	Dr.S.Karthikeyan Mr.S.Vinodhkumar	NA	No	15	15	30	Nil	Nil	15.03.2021	23.04.2021	III year VI semester Civil Engineering Students
3	2018	Ocean and Coastal Engineering	Repeated Course	Dr.K.Nirmalkumar	NA	No	30	0	30	Nil	Nil	08.03.2021	14.04.2021	II year IV semester and III year VI semester Civil Engineering Students

The above proposal may kindly be approved. These courses shall be approved/ratified in the BOS meeting.

S. Vinod
13/3/21
Faculty In-chargeD. S. Karthikeyan
HOD
13/3/21U. S. Kumar
13/3/21
CCO/AcademicB. S. R. Reddy
Principal

End:.

1. Minutes of Internal BOS for approval of the above courses
2. Details of each course mentioned above as per the given format
3. Copy of the Syllabus

KONGU ENGINEERING COLLEGE
PERUNDURAI ERODE-635060
(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

Date: 19.02.2021

NOTE SUBMITTED TO PRINCIPAL FOR APPROVAL

Sub: Request for permission to conduct one credit course – reg.

1.	Academic Year	:	2020-21		Semester : ODD / EVEN
2.	Course Title	:	Wind Load Analysis of Structures		
3.	Type of Course	:	New Course		
	• If "Already offered course",	:	Course Code:	Version:	
4.	Course Coordinator(s)	:	1. Dr.S.Karthikeyan 2. S.Vinodhkumar		
5.	Course offered by	:	Internal faculty		
6.	Name and designation of external resource persons	:	Nil		
7.	Details about external organization	:	N/A		
8.	Course fee for external experts		Max. number of students/Batch		Course fee / student
	- / -		30		-
9.	No. of days		Period		No. of hours
			From	To	Lecture
					Practical
					Total
	-		15.03.2021	23.04.2021	15
					15
					30
					Online Mode (Through Google Meet)
10.	Pre-requisites for offering the course	:	Structural Analysis I, , Design of RC Elements		
11.	Course offered to	:	Programme	Branch	Year/Semester
			B.E	Civil	III/VI
			-	-	-
			-	-	-
			-	-	-

12.	Course Main Contents	:	Day 1	Introduction to wind load
			Day 2	Codal provision of IS 875 Part III
			Day 3	Calculation of basic wind speed & design wind speed
			Day 4	Calculation of basic wind speed & design wind speed
			Day 5	Determination of design wind pressure
			Day 6	Evaluation of wind pressures and forces on buildings
			Day 7	Introduction to pressure Coefficients
			Day 8	Determination of wind load – concept
			Day 9	Determination of wind load – problems
			Day 10	Wind Pressure and Forces on Flat Roof Buildings – concept
			Day 11	Wind Pressure and Forces on Flat Roof Buildings – problems
			Day 12	Wind Pressure and Forces on Flat Roof Buildings – problems
			Day 13	Wind Pressure and Forces on Pitched Roof Buildings – concept
			Day 14	Wind Pressure and Forces on Pitched Roof Buildings – problems
			Day 15	Wind Pressure and Forces on Pitched Roof Buildings – problems
			Day 16,17,18	Wind Load Analysis on 2D frames using STAAD.Pro
			Day 19,20,21	Wind Load Analysis on 3D frames using STAAD.Pro
			Day 22,23,24	STAAD.Pro analysis of rectangular RCC building
			Day 25,26,27	STAAD.Pro analysis of steel trusses
			Day 28,29,30	Wind load analysis on pitched roof buildings using STAAD.Pro
			Assignment / Project / Case Study/Others: (if any) : Nil	
13.	Course Outcomes	:	After completing the course the student will be able to:	
			• Calculate basic wind speed and design wind pressure of buildings. • Evaluate wind pressure coefficients of buildings • Analyse the structure for wind loads using Staad pro	
14.	Course Assessment (Min. 2)	:	S. No.	Type
			1	Theoretical Exam (Online)
			2	Practical (Online)
			Total	100 Marks
15.	Any other details	:	Nil	

The above proposal may kindly be approved.

S. W. 19/2/2021
Course coordinator

19/2/2021
HOD

19/2/2021
Chief Coordinator/Academic

Encl:

1. Copy of the syllabus of the course

18VAC18 - WIND LOAD ANALYSIS OF STRUCTURES

L	T	P	Credit
2	0	1	1

Preamble	To perform wind analysis as per code of practice through manual calculations and STADD.Pro.	
Unit - I	Introduction to Wind Analysis:	10
Introduction	–Basic Wind Speed - Design Wind Speed - Design Wind Pressure - Wind Pressures and Forces on Buildings - Pressure Coefficients.	
Unit - II	Wind Force on Structures:	10
Determination of Wind Loads	– Wind Pressure and Forces on Flat Roof Buildings -Wind Pressure and Forces on Pitched Roof Buildings.	

List of Exercises / Experiments:

- | | |
|----|--|
| 1. | Wind Load Analysis on 2D frame |
| 2. | Wind Load Analysis on 3D frame |
| 3. | Wind Load Analysis on Rectangular Buildings |
| 4. | Wind Load Analysis on Trusses |
| 5. | Wind Load Analysis on Pitched Roof Buildings |

Lecture:20, Practical:10, Total:30

REFERENCES:

- | | |
|----|--|
| 1. | Code of Practice for Design Loads (Other than Earthquake) for Buildings and Structures – IS 875:1987 Part 3. |
| 2. | An Explanatory Handbook on IS 875 Part 3 – Wind Loads on Buildings and Structures, IIT Kanpur |

COURSE OUTCOMES:

On completion of the course, the students will be able to

CO1	calculate basic wind speed and design wind pressure of buildings.	Applying (K3)
CO2	determine wind pressure coefficients of buildings	Analysing (K4)
CO3	analyse the structure for wind loads using STADD.Pro	Analysing (K4). Precision (S3)

Mapping of COs with POs and PSOs

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02
CO1	3	3	2			3						1	3	3
CO2	3	3	2			3						1	3	3
CO3	3	2	1	2	1	3			1	1		2	3	3

1 – Slight, 2 – Moderate, 3 – Substantial, BT- Bloom's Taxonomy

ASSESSMENT PATTERN

Test / Bloom's Category*	Remembering (K1) %	Understanding (K2) %	Applying (K3) %	Analyzing (K4) %	Evaluating (K5) %	Creating (K6) %	Total %
Theoretical Exam (50 marks)	10	10	20	60			100
Practical (50 marks)	-	-	50	50			100

~~S.m~~
CS-VINODHAKUMAR.

(S. BACALL)

Signature of the Chairman
Board of Examiners *Civil*



KONGU ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING

04.03.2021

CIRCULAR

Department of Civil Engineering has planned to conduct one credit course on "Wind Load Analysis of Structures" for the Third Year Students. The course will be conducted during the month of March-April for a duration of 20 hours from 15.03.2021. The course will be conducted at free of cost. Interested students can register their names through the below mentioned Google form on before 08.03.2021.

Contact Dr.S.Karthikeyan, AP/Civil and Mr.S.Vinodhkumar AP/Civil for more clarifications.

Registration form: <https://forms.gle/zV4JZGRWwnT29GCe9>

S. Vinodhkumar
(S. VINODHKUMAR)

[Signature]
HOD CIVIL 4/3/2021

KONGU ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
IBVAC18 WIND LOAD ANALYSIS OF STRUCTURES
LIST OF REGISTERED STUDENTS

S.No	Roll No	Name
1	18CER021	Bavvish AGK
2	18CER032	Deepiha S
3	18CER034	Deepika C
4	18CER039	Dinesh K
5	18CER044	Gayathri S
6	18CER051	Gowtham P
7	18CER054	Gowthaman G
8	18CER099	Monishwar R
9	18CER101	Mugilan M
10	18CER102	Mukhila BS
11	18CER105	Naahadharshini SR
12	18CER106	Nagul M
13	18CER117	Pavithra Devi R
14	18CER120	Piruthiviraj Sundharavel T
15	18CER129	Preethi M
16	18CER130	Raamakrishnan VV
17	18CER136	Rajesh R
18	18CER141	Ramkumar R
19	18CER146	Rithun K
20	18CEL210	Pavithran S
21	18CEL212	Praveen M
22	18CER165	Sowmiyashree C
23	18CER186	Vetriselvan N
24	18CER190	Vishnuvaradhan R V

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060

DEPARTMENT OF CIVIL ENGINEERING

18VAC18 WIND LOAD ANALYSIS OF STRUCTURES

STATEMENT OF ATTENDANCE

S.No	Roll No	Name	Total number of hours conducted	Total number of hours Present	Total number of hours Absent	% of Attendance
1	18CER021	Bavvish AGK	31	26	5	83.87
2	18CER032	Deepiha S	31	29	2	93.55
3	18CER034	Deepika C	31	29	2	93.55
4	18CER039	Dinesh K	31	27	4	87.1
5	18CER044	Gayathri S	31	28	3	90.32
6	18CER051	Gowtham P	31	25	6	80.65
7	18CER054	Gowthaman G	31	25	6	80.65
8	18CER099	Monishwar R	31	26	5	83.87
9	18CER101	Mugilan M	31	27	4	87.1
10	18CER102	Mukhila BS	31	30	1	96.77
11	18CER105	Naahadharshini SR	31	29	2	93.55
12	18CER106	Nagul M	31	28	3	90.32
13	18CER117	Pavithra Devi R	31	29	2	93.55
14	18CER120	Piruthiviraj Sundharavel T	31	27	4	87.1
15	18CER129	Preethi M	31	29	2	93.55
16	18CER130	Raamakrishnan VV	31	30	1	96.77
17	18CER136	Rajesh R	31	29	2	93.55
18	18CER141	Ramkumar R	31	29	2	93.55
19	18CER146	Rithun K	31	27	4	87.1
20	18CEL210	Pavithran S	31	26	5	83.87
21	18CEL212	Praveen M	31	25	6	80.65
22	18CER165	Sowmiyashree C	31	28	3	90.32
23	18CER186	Vetriselvan N	31	29	2	93.55
24	18CER190	Vishnuvaradhan R V	31	29	2	93.55

S. V. WODAKUMAR
(S. V. WODAKUMAR)
Faculty in-charge

Academic coordinator
(Dr. D. Ambekar)

[Signature]
HoD/Civil Engineering

KONGU ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
ONLINE ASSESSMENT TEST

18VAC18 WIND LOAD ANALYSIS OF STRUCTURES

Date: 16.06.2021

Time: 10.00 AM to 11.30 AM

Max Marks: 50 Marks

Part A (5 x 4 = 10 Marks)

Answer all the Questions

1. Write short notes on two types of lateral loads.
2. Mention the characteristics of wind load.
3. Define design wind speed. How it can be calculated for a particular area?
4. What is mean by design wind pressure? Write the equation to calculate the same.
5. What is the basic wind of Chennai, Madurai, New Delhi and Bengaluru?

Part B (1 x 30 = 30 Marks)

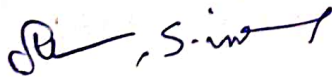
6. Calculate wind pressure and design forces on walls and roofs (in case of sloped roof) of a rectangular building for the following data. Consider the size of openings in 1.5 m x 1.5 m. The building is located at the outskirts of the city. All the buildings are framed structures.

Roll No	Name	Building Dimensions (L X B X H) in m	Location	Number of openings	Type of Roof and Slope
18CER021	Bavvish AGK	40 x 8 x 5	Coimbatore	10	Flat & 0°
18CER032	Deepiha S	60 x 10 x 8	Chennai	10	Sloped & 25°
18CER034	Deepika C	100 x 20 x 15	Coimbatore	20	Flat & 0°
18CER039	Dinesh K	40 x 8 x 5	Chennai	10	Sloped & 20°
18CER044	Gayathri S	100 x 40 x 20	Agra	20	Flat & 0°
18CER051	Gowtham P	60 x 10 x 8	Bengaluru	10	Sloped & 25°
18CER054	Gowthaman G	100 x 40 x 20	Coimbatore	20	Flat & 0°
18CER070	Joy Nila D	100 x 20 x 15	Chennai	20	Sloped & 20°

18CER097	Mohan Prabhu V	40 x 8 x 5	Agra	10	Flat & 0°
18CER099	Monishwar R	100 x 40 x 20	Bengaluru	20	Sloped & 25°
18CER101	Mugilan M	60 x 10 x 8	Madurai	20	Flat & 0°
18CER102	Mukhila BS	100 x 40 x 20	Coimbatore	20	Sloped & 25°
18CER105	Naahadharshini SR	75 x 25 x 15	Chennai	20	Flat & 0°
18CER106	Nagul M	40 x 8 x 5	Bengaluru	10	Sloped & 25°
18CER117	Pavithra Devi R	75 x 25 x 15	Agra	20	Flat & 0°
18CER120	Piruthiviraj Sundharavel T	40 x 10 x 15	Chennai	10	Sloped & 20°
18CER129	Preethi M	50 x 10 x 5	Kolkata	10	Flat & 0°
18CER130	Raamakrishnan VV	100 x 20 x 15	Madurai	20	Sloped & 25°
18CER136	Rajesh R	40 x 10 x 15	Chennai	10	Flat & 0°
18CER141	Ramkumar R	75 x 25 x 15	Bengaluru	10	Sloped & 25°
18CER146	Rithun K	60 x 10 x 8	Mumbai	10	Flat & 0°
18CEL210	Pavithran S	75 x 25 x 15	Madurai	20	Sloped & 20°
18CEL212	Praveen M	100 x 40 x 20	Chennai	20	Flat & 0°
18CER165	Sowmiyashree C	60 x 10 x 8	Bengaluru	10	Sloped & 25°
18CER186	Vetriselvan N	40 x 10 x 15	Agra	10	Flat & 0°
18CER190	Vishnuvaradhan R V	100 x 40 x 20	Mumbai	20	Sloped & 20°

KONGU ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
18VAC18 WIND LOAD ANALYSIS OF STRUCTURES
ONLINE ASSESSMENT TEST MARKS

S.No	Roll No	Name	Theory (50)	Practical				Grand Total (100)
				Powerpoint (20)	Presentation (20)	Viva (10)	Practical Total (50)	
1	18CER021	Bavvish AGK	26	16	16	7	39	65
2	18CER032	Deepiha S	48	19	18	8	45	93
3	18CER034	Deepika C	48	19	18	9	46	94
4	18CER039	Dinesh K	27	18	18	8	44	71
5	18CER044	Gayathri S	35	18	18	8	44	79
6	18CER051	Gowtham P	46	18	18	9	45	91
7	18CER054	Gowthaman G	43	16	17	8	41	84
8	18CER099	Monishwar R	35	16	17	7	40	75
9	18CER101	Mugilan M	28	18	17	8	43	71
10	18CER102	Mukhila BS	48	19	18	9	46	94
11	18CER105	Naahadharshini SR	44	16	16	7	39	83
12	18CER106	Nagul M	26	17	17	7	41	67
13	18CER117	Pavithra Devi R	43	18	18	9	45	88
14	18CER120	Piruthiviraj Sundharavel T	26	16	16	7	39	65
15	18CER129	Preethi M	44	18	19	9	46	90
16	18CER130	Raamakrishnan VV	44	18	18	9	45	89
17	18CER136	Rajesh R	36	18	16	9	43	79
18	18CER141	Ramkumar R	32	16	16	7	39	71
19	18CER146	Rithun K	35	16	16	6	38	73
20	18CEL210	Pavithran S	26	16	16	7	39	65
21	18CEL212	Praveen M	26	16	16	7	39	65
22	18CER165	Sowmiyashree C	44	17	17	8	42	86
23	18CFR186	Vetriselvan N	25	16	16	6	38	63
24	18CER190	Vishnuvaradhan R V	42	19	19	9	47	89


Faculty


Academic coordinator

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE 638 060

DEPARTMENT OF CIVIL ENGINEERING

18VAC18 WIND LOAD ANALYSIS OF STRUCTURES

STATEMENT OF MARKS

S.No	Roll No	Name	Theory (50)	Practical Total (50)	Grand Total (100)
1	18CER021	Bavvish AGK	26	39	65
2	18CER032	Deepiha S	48	45	93
3	18CER034	Deepika C	48	46	94
4	18CER039	Dinesh K	27	44	71
5	18CER044	Gayathri S	35	44	79
6	18CER051	Gowtham P	46	45	91
7	18CER054	Gowthaman G	43	41	84
8	18CER099	Monishwar R	35	40	75
9	18CER101	Mugilan M	28	43	71
10	18CER102	Mukhila BS	48	46	94
11	18CER105	Naahadharshini SR	44	39	83
12	18CER106	Nagul M	26	41	67
13	18CER117	Pavithra Devi R	43	45	88
14	18CER120	Piruthiviraj Sundharavel T	26	39	65
15	18CER129	Preethi M	44	46	90
16	18CER130	Raamakrishnan VV	44	45	89
17	18CER136	Rajesh R	36	43	79
18	18CER141	Ramkumar R	32	39	71
19	18CER146	Rithun K	35	38	73
20	18CEL210	Pavithran S	26	39	65
21	18CEL212	Praveen M	26	39	65
22	18CER165	Sowmiyashree C	44	42	86
23	18CER186	Vetriselvan N	25	38	63
24	18CER190	Vishnuvaradhan R V	42	47	89

S. Vinodh Kumar
(S. VINODH KUMAR)
Faculty in-charge

D. Ambika
Academic coordinator
(Dr. D. Ambika)

D. Dhanasekaran
HoD/Civil Engineering
29/11/2021

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ISVACIS Windload Analysis of Structure

R. Monishwar
18CER099

16/6/2021

Part A :-

- Two types of lateral loads are
 - Wind load may not be a significant concern for small, massive, low level building, but becomes more importance with height, the use of lighter materials.
 - Seismic load. can imposed on a structural during an earthquakes. They are likely to be relative instantaneous loads compared to wind load.

3. Design wind speed.

Wind codes now is used by the municipality states that Structure $S_{avg} = S_{basic} + S_{topo}$ Second for a second gust,

Assessment Test 1 - Theory

MUKHILA B S 18CER102 48/50 Draft

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1. Natural load

Natural load is of two type wind load and seismic load.

Wind load:-

As the wind blows against the building, the resulting force acting on the elevation is called the 'Wind load'.

Seismic load:-

This happens on contact surfaces of a structure either with the ground, or with adjacent structure (s) with gravity.

2. Characteristics of wind load.

- ⇒ 1st main type
- ⇒ Based on location

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+ building

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Pool - A

1) Two types of lateral load:-

i) Wind load

ii) Seismic load

Wind Load:-

It is caused by the

Assessment Test 2 - Practical

S. Karthikeyan CIVIL • Jun 16 (Edited Jun 18)

50 points

Due Jan 18, 2007

Mark Soltau:

Powerpoint - 20 Marks

Explanation - 20 Marks

WWS - 10 Marks

Total - 50 Marks

Upload a single file with file name as your roll number

Class comments

Adult class common

Assessment Test 2 - Practical

PREETHI.M 18CER129 Turned in

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KONGU ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
WIND LOAD ANALYSIS OF STRUCTURES
ONLINE ASSESSMENT TEST - PRACTICAL

PRESENTED BY
M. PREETHI
18CER129

STEPS REQUIRED TO MODEL AND ANALYSE THE QUESTION :

- ☐ In the stand pro window close all tabs before modelling.
- ☐ To create a model go to GEOMETRY in the main bar and click RUN STRUCTURE WIZARD.
- ☐ A dialogue box will open. In that MODEL TYPE scroll down and select FRAME MODEL.
- ☐ Then select first frame model i.e. BAY FRAME. Double click on that BAY FRAME.
- ☐ Change length as 50, height as 10, no. of bays along length as 10, height as 1 and width as 3.

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wind analysis practic... ☒

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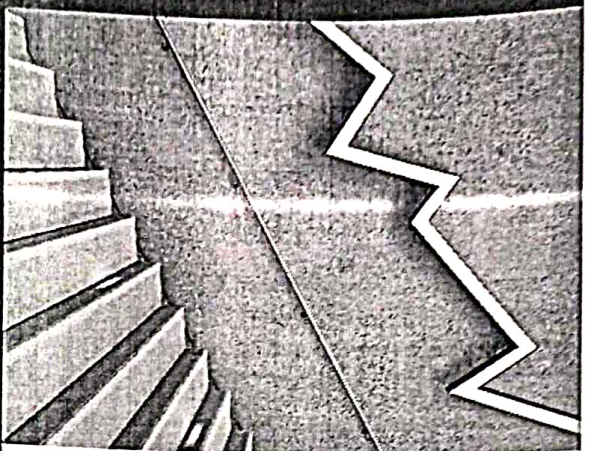
Assessment Test 2 - Practical

NUKHILA B.S(18CER102)

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18VAC18 WIND LOAD ANALYSIS OF STRUCTURES

ASSESSMENT TEST 2 - PRACTICAL
NUKHILA B.S(18CER102)

The term 'Wind Load' is used to refer to any pressures or forces that the wind exerts on a building or structure. There are actually three types of wind forces that would be exerted on a building.

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18VAC18 WIND LOA

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