



# SASURIE COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

## NAAC DOCUMENTS

### QUALITY INDICATOR FRAME WORK

#### CRITERION - 3

### RESEARCH, INNOVATION & EXTENSIONS

SUBMITTED BY

# IQAC

INTERNAL QUALITY ASSURANCE CELL

### SASURIE COLLEGE OF ENGINEERING





DEPARTMENT OF CIVIL ENGINEERING

Ref: SCE / CIVIL /Students / RM / 2019 – 2020 / EVEN

08.06.2020

CIRCULAR

In order to address the recent research issues in the field of multi-disciplinary Engineering areas and to overcome such research issues, Department of Civil Engineering in association with IQAC of our Institution, is planning to conduct two days workshop for the students of II, III and IV year of CIVIL on the title "Earthquake Engineering Research Methodologies" from 12.06.2020 to 13.06.2020. At the end of the programme, participation certificates will be issued to the participants.


<b>Resource Person Details</b>	Er.S.Sankar Prasath, Managing Director, Venkateshwara Constructions, Tirupur – 641604.	Er.R.Mohan, CEO, Venkateshwara Constructions, Tirupur – 641604.
<b>Venue</b>	<a href="https://meet.google.com/aph-txps-xdm">https://meet.google.com/aph-txps-xdm</a>	

  
HoD/CIVIL

  
PRINCIPAL

Copy to:

1. Chairman & Secretary for information
2. Principal office
3. IQAC Co-Ordinator
4. Class In charges - II, III & IV-Year CIVIL
5. II, III & IV-Year CIVIL Students
6. CIVIL Notice Board
7. Department File

  
**Dr.M.VIJAYAKUMAR** M.E., Ph.D.,  
PRINCIPAL  
SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tirupur (Dt).



# **SASURIE COLLEGE OF ENGINEERING**

**Vijayamangalam, Tiruppur**

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai - 600025)

## **DEPARTMENT OF CIVIL ENGINEERING**

*in association with IQAC*

*Cordially invites*

Two days Research Methodology Programme (RM)

On

“Earthquake Engineering Research Methodologies”

Date : 12.06.2020 to 13.06.2020

Venue: <https://meet.google.com/aph-txps-xdm>

### **Resource Persons**

*Mr.N.Karthick,*  
*Manager,*  
*Suriya Machines,*  
*Coimbatore-641004.*

*Mr.E.K.Ponnusamy,*  
*Trainer,*  
*Suriya Machines,*  
*Coimbatore-641004.*

*in the esteemed presence of*

*Dr.K.Pandiarajan*  
*Principal*

*Shri A.M.Kandaswami*  
*Chairman*

*Ms. K. Savitha Moganraj*  
*Secretary*

  
**Dr.M.VIJAYAKUMAR ME., Ph.D.,**  
PRINCIPAL  
SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tirupur (Dt).

DEPARTMENT OF CIVIL ENGINEERING

Students Participation List – Research Methodology Programme

“Earthquake Engineering Research Methodologies”

From 12.06.2020 to 13.06.2020

Academic Year : 2019 - 2020 /EVEN

S.No.	Reg No.	Name of the Student	Year / Branch
1.	732417103001	BASKARAN K	III/CIVIL
2.	732417103002	GAYATHRI N	III/CIVIL
3.	732417103003	GOWTHAM P	III/CIVIL
4.	732417103004	LAVANYA M	III/CIVIL
5.	732417103005	NAVEENA S	III/CIVIL
6.	732417103006	NIVETHA S	III/CIVIL
7.	732417103007	SANGAR G	III/CIVIL
8.	732417103008	SURYA N	III/CIVIL
9.	732417103009	THARUNKUMAR J	III/CIVIL
10.	732417103010	VAISHNAVI P	III/CIVIL
11.	732417103011	VALLARASU M	III/CIVIL
12.	732416103003	ARUN KUMAR B	IV/CIVIL
13.	732416103004	BHARATHI S K	IV/CIVIL
14.	732416103005	BISMIYA BASHEER	IV/CIVIL
15.	732416103006	CHANDHIRU L	IV/CIVIL
16.	732416103007	CHANDRU K M	IV/CIVIL
17.	732416103008	ELLAPPARAJ P	IV/CIVIL
18.	732416103009	HARISH P	IV/CIVIL
19.	732416103010	KURALARASAN S	IV/CIVIL
20.	732416103011	MAGESHWARAN M	IV/CIVIL
21.	732416103012	MAHENDIRAN P	IV/CIVIL
22.	732416103013	MANIMARAN V	IV/CIVIL
23.	732416103015	PRAVEENA T	IV/CIVIL
24.	732416103016	RANJITHKUMAR G	IV/CIVIL
25.	732416103017	RINSHA K P	IV/CIVIL
26.	732416103018	SAKTHISUBRAMANI K	IV/CIVIL
27.	732416103019	SENTHILNATHAN G	IV/CIVIL
28.	732416103020	SIVARAMACHANDRAN N	IV/CIVIL
29.	732416103021	SOUNDARYA S	IV/CIVIL
30.	732416103022	SUBASH P	IV/CIVIL

  
Dr.M.VIJAYAKUMAR ME., Ph.D.,  
PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tirupur (Dt).

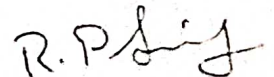


Students Participation List – Research Methodology Programme

S.No.	Reg No.	Name of the Student	Year / Branch
31.	732416103023	VIGNESH V NAIR	IV/CIVIL
32.	732416103024	VIJAYAPANDI V	IV/CIVIL
33.	732416103025	VIKRAMAN C	IV/CIVIL
34.	732416103301	SATHISH KUMAR S	IV/CIVIL
35.	732416103501	PRIYANKA J	IV/CIVIL
36.	732416103503	PRAVEEN KUMAR A	IV/CIVIL
37.	732416103701	MAYAKARUPPU K	IV/CIVIL
38.	732416103702	ANADHA RAJ K	IV/CIVIL
39.	732416103703	MANIKANDAN T	IV/CIVIL



Event Coordinator



HoD/CIVIL



Dr.M.VIJAYAKUMAR ME., Ph.D.,  
PRINCIPAL



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DEPARTMENT OF CIVIL ENGINEERING

Students Attendance List – Research Methodology Programme

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5.	732417103005	NAVEENA S	III/CIVIL
6.	732417103006	NIVETHA S	III/CIVIL
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21.	732416103012	MAHENDIRAN P	IV/CIVIL
22.	732416103013	MANIMARAN V	IV/CIVIL
23.	732416103015	PRAVEENA T	IV/CIVIL
24.	732416103016	RANJITHKUMAR G	IV/CIVIL
25.	732416103017	RINSHA K P	IV/CIVIL
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Dr.M.VIJAYAKUMAR ME., Ph.D.,  
PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 635 056, Tirupur (Dt).



Students Attendance List – Research Methodology Programme

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31.	732416103023	VIGNESH V NAIR	IV/CIVIL
32.	732416103024	VIJAYAPANDI V	IV/CIVIL
33.	732416103025	VIKRAMAN C	IV/CIVIL
34.	732416103301	SATHISH KUMAR S	IV/CIVIL
35.	732416103501	PRIYANKA J	IV/CIVIL
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38.	732416103702	ANADHA RAJ K	IV/CIVIL
39.	732416103703	MANIKANDAN T	IV/CIVIL

*B. G. D*  
Event Coordinator

*R. P. Singh*  
HoD/CIVIL

*M*  
Dr.M.VIJAYAKUMAR ME., Ph.D.,  
PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,  
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DEPARTMENT OF CIVIL ENGINEERING

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9.	732417103009	THARUNKUMAR J	III/CIVIL	/	/	/	/
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26.	732416103018	SAKTHISUBRAMANI K	IV/CIVIL	/	/	/	/
27.	732416103019	SENTHILNATHAN G	IV/CIVIL	/	/	/	/
28.	732416103020	SIVARAMACHANDRAN N	IV/CIVIL	/	/	/	/
29.	732416103021	SOUNDARYA S	IV/CIVIL	/	/	/	/



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38.	732416103702	ANADHA RAJ K	IV/CIVIL	/	/	/	/
39.	732416103703	MANIKANDAN T	IV/CIVIL	/	/	/	/

B.S.P.

Event Coordinator

R. P. Singh

HoD/CIVIL



**Dr. M. VIJAYAKUMAR** ME., Ph.D.,  
PRINCIPAL  
SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tirupur (Dt).

### Report on Research Methodology Programme

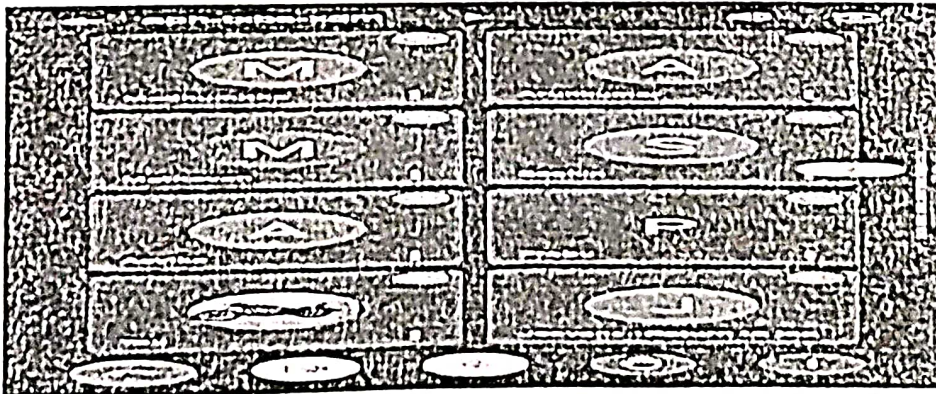
Title:	Earthquake Engineering Research Methodologies				
Resource Person:	Er.S.Sankar Prasath, Managing Director, Venkateshwara Constructions, Tirupur – 641604.		Er.R.Mohan, CEO, Venkateshwara Constructions, Tirupur – 641604.		
Date of conduct From :	12.06.2020	To:	13.06.2020	Duration:	2 Days
Organized by :	CIVIL ENGINEERING in association with IQAC of our Institution				
Academic Year:	2019 – 2020		Semester:	EVEN	
Participant Year:	II, III, IV Year CIVIL		No. of Students Participated:	39	
Venue:	<a href="https://meet.google.com/aph-txps-xdm">https://meet.google.com/aph-txps-xdm</a>				

### Outcome of Research Methodology Programme

At the end of the Research Methodology Programme, Students can be able to

- Gain a comprehensive understanding of seismic hazards, including earthquake mechanisms, ground shaking, liquefaction, landslides, and tsunamis, and their impact on infrastructure and communities.
- Learn techniques for seismic risk assessment, including probabilistic seismic hazard analysis (PSHA) and vulnerability assessment, to quantify the likelihood and consequences of earthquakes.
- Explore the principles of structural dynamics, including dynamic analysis methods (response spectrum analysis, time history analysis), damping, modal analysis, and seismic design codes (e.g., ASCE 7, Eurocode 8).
- Analyze case studies of past earthquakes, including failures and successes in structural performance, to identify lessons learned and best practices in earthquake engineering.
- Network with experts in the field, exchange ideas, and identify collaborative research opportunities in earthquake engineering and related disciplines.

### Glimpse of Research Methodology Programme Photos



*H. G. D*  
Event Co-ordinator

*R. P. S*  
HoD/ CIVIL

*UPJUS*  
Principal



## SASURIE COLLEGE OF ENGINEERING

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

Vijayamangalam, Tiruppur

### CERTIFICATE OF PARTICIPATION

This is to Certify that ..... Ms . NAVEENA S. III / CIVIL .....  
has participated in the Research Methodology Program on "Earthquake Engineering Research Methodologies" conducted by the Department of Civil Engineering in association with "Venkateshwara Constructions" and IQAC of Sasurie College of Engineering from 12.06.2020 to 13.06.2020 during the Academic year 2019-2020.

*[Handwritten Signature]*

**IQAC Co-ordinator**

*[Handwritten Signature]*

**Dr.M.VIJAYAKUMAR ME., Ph.D.,**  
PRINCIPAL

SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tirupur (Dt).

*[Handwritten Signature]*

**Principal**



# SASURIE COLLEGE OF ENGINEERING

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

Vijayamangalam, Tiruppur

## CERTIFICATE OF PARTICIPATION

This is to Certify that ..... Mr. ARUN KUMAR B. IV / CIVIL .....  
has participated in the Research Methodology Program on "Earthquake  
Engineering Research Methodologies" conducted by the Department of Civil  
Engineering in association with "Venkateshwara Constructions" and IQAC  
of Sasurie College of Engineering from 12.06.2020 to 13.06.2020 during  
the Academic year 2019-2020.

*P. Manojkumar Palani*

**IQAC Co-ordinator**

*Dr. M. Vijayakumar*

**Dr.M.VIJAYAKUMAR ME., Ph.D.,**  
PRINCIPAL



**SASURIE COLLEGE OF ENGINEERING,**  
Vijayamangalam - 638 056, Tirupur (Dt).

*U.P. CUS -*

**Principal**



## SASURIE COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Vijayamangalam, Tiruppur

### CERTIFICATE OF PARTICIPATION


This is to Certify that ..... Mr. HARISH P. IV / CIVIL .....  
has participated in the Research Methodology Program on "Earthquake Engineering Research Methodologies" conducted by the Department of Civil Engineering in association with "Venkateshwara Constructions" and IQAC of Sasurie College of Engineering from 12.06.2020 to 13.06.2020 during the Academic year 2019-2020.

*P. Manoj Kumar*

**IQAC Co-ordinator**

*Dr. M. Vijayakumar*

**Dr.M.VIJAYAKUMAR M.E., Ph.D.,**  
PRINCIPAL

 **SASURIE COLLEGE OF ENGINEERING,**  
Vijayamangalam - 638 056, Tiruppur (Dt).

*Dr. P. J. C. S.*

**Principal**



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Vijayamangalam, Tiruppur

### CERTIFICATE OF PARTICIPATION

This is to Certify that ..... Mr., ELLAPPARAJ P, IV / CIVIL .....  
has participated in the Research Methodology Program on "Earthquake Engineering Research Methodologies" conducted by the Department of Civil Engineering in association with "Venkateshwara Constructions" and IQAC of Sasurie College of Engineering from 12.06.2020 to 13.06.2020 during the Academic year 2019-2020.

*[Handwritten Signature]*

**IQAC Co-ordinator**

*[Handwritten Signature]*

*[Handwritten Signature]*

**Principal**



**Dr.M VIJAYAKUMAR ME., Ph.D.,**  
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Vijayamangalam, Tiruppur

## CERTIFICATE OF PARTICIPATION

This is to Certify that ..... Mr. THARUNKUMAR J. III / CIVIL .....  
has participated in the Research Methodology Program on "Earthquake  
Engineering Research Methodologies" conducted by the Department of Civil  
Engineering in association with "Venkateshwara Constructions" and IQAC  
of Sasurie College of Engineering from 12.06.2020 to 13.06.2020 during  
the Academic year 2019-2020.

*P. Anandhan*

**IQAC Co-ordinator**

*M.V.*

**Dr.M.VIJAYAKUMAR ME., Ph.D.,**  
PRINCIPAL  
SASURIE COLLEGE OF ENGINEERING,  
Vijayamangalam - 638 056, Tiruppur (Dt).

*M.P. Suresh*

**Principal**



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Vijayamangalam, Tiruppur

### CERTIFICATE OF PARTICIPATION

This is to Certify that .....Mr. SURYA N. ILL. / CIVIL.....  
has participated in the Research Methodology Program on "Earthquake  
Engineering Research Methodologies" conducted by the Department of Civil  
Engineering in association with "Venkateshwara Constructions" and IQAC  
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the Academic year 2019-2020.

*Handwritten signature*

**IQAC Co-ordinator**

*Handwritten signature*

*Handwritten signature*

**Principal**



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