

**Department of Civil Engineering**  
**CE 8811 Project Work (Batch 2018 - 2022)**

**Batch List**

Batch No	Roll No	Register Number	Name of the student	Title of Project	Name of the Supervisor
Batch 1	18UCIV001	920418103020	VAISHNAVI V R	Investigation on Self Healing Concrete with Polymeric and Mineral Substitutes as Self Healing	Dr.R.Lakshmi
	18UCIV005	920418103001	ABARNADEVI B		
	18UCIV020	920418103019	SANGEETHA R		
	18UCIV024	920418103002	ARCHANA A		
Batch 2	18UCIV002	920418103016	PARTHIBAN P	Behavioural Study on Fibre Reinforced Geopolymer Tiles	Mr.N.Jegandurai
	18UCIV007	920418103018	RISHIMURUGA M		
	18UCIV018	920418103007	HARIHARAN AR		
Batch 3	18UCIV011	920418103008	HARISHKUMAR V	Removal of COD from Domestic Wastewater by Adsorption Using Moringa Oleifera: Optimization Using Response Surface Methodology	Mr.P.Ponkarthikeyan
	18UCIV014	920418103024	VIGNESH V		
	18UCIV017	920418103015	NAVEENKUMAR V		
	18UCIV025	920418103303	SANKARAMAHADHEVAN S		
Batch 4	18UCIV013	920418103003	ARUL PRAVEEN M	Study on Performance of Paver Block Using Steel Slag	Mr.P.Ganesh Prabhu
	18UCIV015	920418103005	CHANDRU C		
	18UCIV021	920418103012	KARTHIKEYAN S		
	18UCIV028	920418103306	VIGNESH K		
Batch 5	18UCIV008	920418103009	JENISH CHRISTOPHER P	Experimental Study on Mechanical Properties of Self-Compacting Concrete Using Light Weight Aggregate	Mr.K.Hariharan
	18UCIV009	920418103010	JOHN VINITO S		
	18UCIV020	920418103304	SATHEESHKUMAR S		
Batch 6	18UCIV010	920418103004	BATHRI NARAYANAN S	Investigation on Mechanical Properties of Concrete Members Using Palm Oil Fuel Ash	Mrs.S.Thahira Banu
	18UCIV012	920418103013	KASILINGAM E		
	18UCIV027	920418103307	VIJAY J		
Batch 7	18UCIV029	920418103301	AJAY DEV SINGH	Experimental Study on the Properties of Reactive Powder Concrete	Mrs.B.Deepa
	18UCIV030	920418103305	SUNNY KUMAR		
	18UCIV031	920418103302	ASHU KUMAR		

*M. Subash* (16/05/22).  
**INTERNAL EXAMINER**

*has*  
 16.5.22  
**EXTERNAL EXAMINER**

**INVESTIGATION ON SELF HEALING CONCRETE  
WITH POLYMERIC AND MINERAL SUBSTITUTES AS  
SELF HEALING AGENTS  
PROJECT REPORT**

*Submitted by*

<b>VAISHNAVI. V.R</b>	<b>(920418103020)</b>
<b>ABARNADEVI. B</b>	<b>(920418103001)</b>
<b>SANGEETHA. R</b>	<b>(920418103019)</b>
<b>ARCHANA. A</b>	<b>(920418103002)</b>

*In partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING  
IN  
CIVIL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING  
KAMARAJ COLLEGE OF ENGINEERING AND  
TECHNOLOGY**



**(An Autonomous Institution - Affiliated to Anna University, Chennai)**

**K. VELLAKULAM - 625 701 (Near Virudhunagar)**

**MAY 2022**

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

## BONAFIDE CERTIFICATE

Certified that the project report “INVESTIGATION ON SELF HEALING CONCRETE WITH POLYMERIC AND MINERAL SUBSTITUTES AS SELF HEALING AGENTS” is the bonafide work of “VAISHNAVI. V.R (920418103020), ABARNADEVI. B (920418103001), SANGEETHA. R (920418103019), ARCHANA. A (920418103002)” who carried out the project work under my supervision.



**SIGNATURE**

Dr. R. Lakshmi, M.E., Ph.D.,

**HEAD OF THE DEPARTMENT**

Professor in Civil Engineering

Kamaraj College of Engg & Tech,

K.Vellakulam, Near Virudhunagar



**SIGNATURE**

Dr. R. Lakshmi, M.E., Ph.D.,

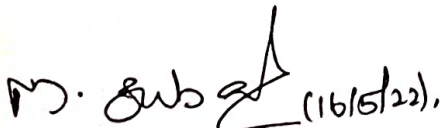
**SUPERVISOR**

**HEAD OF THE DEPARTMENT**

Professor in Civil Engineering

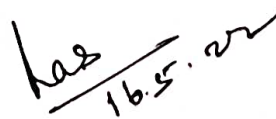
Kamaraj College of Engg & Tech,

K.Vellakulam, Near Virudhunagar



M. Subash (16/5/22),

**INTERNAL EXAMINER**



K. S. S. S. S.

**EXTERNAL EXAMINER**

# **BEHAVIOURAL STUDY ON FIBRE REINFORCED GEOPOLYMER TILES**

**CE-8811-PROJEECT REPORT**

*Submitted by*

**AR.HARIHARAN (920418103007)**

**P.PARTHIBAN (920418103016)**

**M.RISHIMURUGA (920418103018)**

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**



**DEPARTMENT OF CIVIL**



**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**

**(An Autonomous Institution - Affiliated to Anna University, Chennai)**

**K.VELLAKULAM - 625 701 (Near Virudhunagar)**

MAY 2022

**KAMARAJ COLLEGE OF ENGINEERING AND  
TECHNOLOGY**

(An Autonomous Institution- Affiliated to Anna University, Chennai)

**K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**BONAFIDE CERTIFICATE**

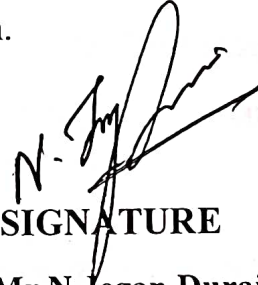
Certified that the project report “**BEHAVIOURAL STUDY ON FIBRE  
REINFORCED GEOPOLYMER TILES**” is the bonafide work of  
“**AR.HARIHARAN (920418103007), P.PARTHIBAN (920418103016),  
M.RISHIMURUGA (920418103018)**” who carried out the project work under  
my supervision.



**SIGNATURE**

**Dr.R. Lakshmi, M.E., Ph.D.,  
Head of the Department,  
Professor in Civil Engineering,  
Dept. of civil,**


**Kamaraj College of Engg & Tech,  
K.Vellakulam, Near Virudhunagar**

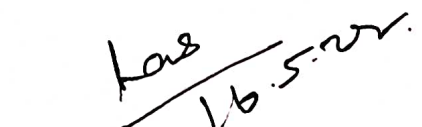


**SIGNATURE**

**Mr.N.Jegan Durai, M.Tech., Ph.D  
SUPERVISOR,  
Asst.Prof in Civil Engineering  
Dept. of civil,**

**Kamaraj College of Engg &Tech,  
K.Vellakulam, Near Virudhunagar**

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**

**REMOVAL OF COD FROM DOMESTIC WASTEWATER  
BY ADSORPTION USING MORINGA OLEIFERA:  
OPTIMIZATION USING RESPONSE SURFACE  
METHODOLOGY**

**PROJECT REPORT**

*Submitted by*

<b>HARISHKUMAR V</b>	<b>(920418103008)</b>
<b>NAVEENKUMAR V</b>	<b>(920418103015)</b>
<b>VIGNESH V</b>	<b>(920418103024)</b>
<b>SANKARAMAHADHEVAN S</b>	<b>(920418103303)</b>

*In partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING  
IN  
CIVIL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING  
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution - Affiliated to Anna University, Chennai)  
K. VELLAKULAM - 625 701 (Near Virudhunagar)**

**MAY 2022**

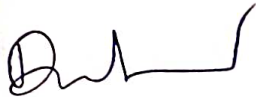
# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

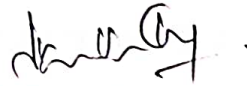
## BONAFIDE CERTIFICATE

Certified that the project report "REMOVAL OF COD FROM DOMESTIC WASTEWATER BY ADSORPTION USING MORINGA OLEIFERA: OPTIMIZATION USING RESPONSE SURFACE METHODOLOGY" is the bonafide work of "HARISHKUMAR.V (920418103008), NAVEENKUMAR.V (920418103015), VIGNESH.V(920418103024), SANKARAMAHADHEVAN.S (920418103303)" who carried out the project work under my supervision.



**SIGNATURE**

Dr. R. Lakshmi, M.E., Ph.D.,  
**HEAD OF THE DEPARTMENT**  
Professor in Civil Engineering  
Kamaraj College of Engg & Tech,  
K.Vellakulam, Near Virudhunagar

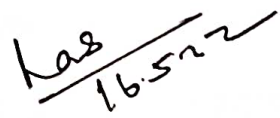


**SIGNATURE**

Mr. P. Ponkarthikeyan, M.E., (Ph.D)  
**SUPERVISOR**  
Asst. Professor in Civil Engineering  
Kamaraj College of Engg & Tech,  
K.Vellakulam, Near Virudhunagar



M. Subash (1615122).  
**INTERNAL EXAMINER**



KAS  
16.5.22  
**EXTERNAL EXAMINER**

# STUDY ON PERFORMANCE OF PAVER BLOCK USING STEEL SLAG

PROJECT REPORT

*Submitted by*

ARUL PRAVEEN M	(920418103003)
CHANDRU C	(920418103005)
KARTHIKEYAN S	(920418103012)
VIGNESH K	(920418103306)

*In partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING  
KAMARAJ COLLEGE OF ENGINEERING AND  
TECHNOLOGY**



**(An Autonomous Institution - Affiliated to Anna University, Chennai)**

**K. VELLAKULAM - 625 701 (Near Virudhunagar)**

**MAY 2022**



# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

## BONAFIDE CERTIFICATE

Certified that the project report "STUDY ON PERFORMANCE OF PAVER BLOCK USING STEEL SLAG" is the bonafide work of "ARUL PRAVEEN M (920418103003), CHANDRU C (920418103005), KARTHIKEYAN S (920418103012), VIGNESH K (920418103306)" who carried out the project work under my supervision.



**SIGNATURE**


Dr. R. Lakshmi, M.E., Ph.D.,  
**HEAD OF THE DEPARTMENT**  
Professor in Civil Engineering  
Kamaraj College of Engg & Tech,  
K.Vellakulam, Near Virudhunagar



**SIGNATURE**

Mr. P. Ganesh Prabhu, M.E.,  
**SUPERVISOR**  
Asst. Professor in Civil Engineering  
Kamaraj College of Engg & Tech,  
K.Vellakulam, Near Virudhunagar

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**

# **EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF SELF-COMPACTING CONCRETE USING LIGHT WEIGHT AGGREGATE**

**PROJECT REPORT**

*Submitted by*

<b>P.JENISH CHRISTOPHER</b>	<b>(920418103009)</b>
<b>S.JOHN VINITO</b>	<b>(920418103010)</b>
<b>S.SATHEESH KUMAR</b>	<b>(920418103304)</b>

*In partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING  
IN  
CIVIL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING  
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution - Affiliated to Anna University, Chennai)  
K.VELLAKULAM - 625 701 (Near Virudhunagar)**

MAY 2022

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**

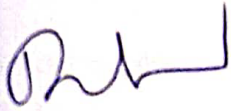
(An Autonomous Institution- Affiliated to Anna University, Chennai)

**K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**BONAFIDE CERTIFICATE**

Certified that the project report "EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF SELF-COMPACTING CONCRETE USING LIGHT WEIGHT AGGREGATE" is the bonafide work of

" P.JENISH CHRISTOPHER (920418103009), S.JOHN VINITO (920418103010), S.SATHEESH KUMAR (920418103304)" who carried out the project work under my supervision.



**SIGNATURE**

**Dr. R. Lakshmi, M.E., Ph.D.,**  
**Head of the Department,**  
**Professor in Civil Engineering,**  
**Dept. of Civil Engineering,**  
**Kamaraj College of Engg & Tech,**  
**K.Vellakulam, Near Virudhunagar**



**SIGNATURE**

**Mr. K.HARI HARAN M.E**  
**SUPERVISOR ,**  
**Assistant Professor in Civil Engineering,,**  
**Dept. of Civil Engineering,**  
**Kamaraj College of Engg & Tech,**  
**K.Vellakulam, Near Virudhunagar**



(16/5/22)

**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**

**INVESTIGATION ON MECHANICAL PROPERTIES OF  
CONCRETE MEMBERS USING PALM OIL FUEL ASH  
PROJECT REPORT**

*Submitted by*

**BATHRI NARAYANAN S** (920418103004)  
**KASILINGAM E** (920418103013)  
**VIJAY J** (920418103307)

*In partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING  
IN  
CIVIL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING  
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution - Affiliated to Anna University, Chennai)  
K. VELLAKULAM - 625 701 (Near Virudhunagar)**

**MAY 2022**

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

## BONAFIDE CERTIFICATE

Certified that the project report "INVESTIGATION ON MECHANICAL PROPERTIES OF CONCRETE MEMBERS USING PALM OIL FUEL ASH" is the bonafide work of "BATHRI NARAYANAN S (920418103004), KASILINGAM E (920418103013), VIJAY J (920418103307)" who carried out the project work under my supervision.



**SIGNATURE**

Dr. R. Lakshmi, M.E., Ph.D.,

**HEAD OF THE DEPARTMENT**

Professor in Civil Engineering

Kamaraj College of Engg & Tech,

K.Vellakulam, Near Virudhunagar



**SIGNATURE**

Mrs. S. Thahira Banu, M.E.,

**SUPERVISOR**

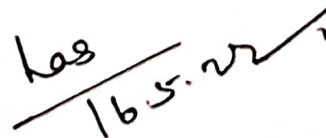
Asst. Professor in Civil Engineering

Kamaraj College of Engg & Tech,

K.Vellakulam, Near Virudhunagar



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**

# **EXPERIMENTAL STUDY ON THE PROPERTIES OF REACTIVE POWDER CONCRETE**

**PROJECT REPORT**

*Submitted by*

**AJAY DEV SINGH (920418103301)**

**ASHU KUMAR (920418103302)**

**SUNNY KUMAR (920418103305)**

*In partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING  
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution - Affiliated to Anna University, Chennai)  
K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**MAY 2022**

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

## BONAFIDE CERTIFICATE

Certified that the project report "EXPERIMENTAL STUDY ON THE PROPERTIES OF REACTIVE POWDER CONCRETE" is the bonafide work of "AJAY DEV SINGH (920418103301), ASHU KUMAR (920418103302), AND SUNNY KUMAR (920418103305)" who carried out the project work under my supervision.



SIGNATURE

Dr. R.Lakshmi, M.E., Ph.D.,  
Head of the Department,  
Professor in Civil Engineering  
Dept. of Civil Engineering  
Kamaraj College of Engg & Tech,  
K.Vellakulam, Near Virudhunagar



SIGNATURE

Mrs. B.Deepa, M.E., Ph.D.,  
Supervisor ,  
Asst.Prof. in Civil Engineering  
Dept. of Civil Engineering,  
Kamaraj College of Engg & Tech,  
K.Vellakulam, Near Virudhunagar

M. Subodh (16/5/22)  
INTERNAL EXAMINER

has  
16/5/22  
EXTERNAL EXAMINER



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus


S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

Department of Civil Engineering

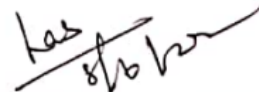
M.E. Structural Engineering

ST1421 Project Work (Phase II)

Batch No	Roll No	Reg No	Name of Student	Title of Project	Name of Supervisor
1	20PST02	920420PST02	ARIHARASUDHAN K	Investigation on Mechanical Properties of SCC Using Palm Oil Fuel Ash	Dr.R.Lakshmi
2	20PST03	920420PST03	KARTHICK RAJAN B	Strength Properties of Quaternary Blended Cement Concrete Accompanied by Glass Fiber	Mr.D.Velumani
3	20PST04	920420PST04	VIJAYALAKSHMI K	Mechanical performance and durability study of Alkali Activated Bendable Concrete	Mr.M.Subahar

  
8/6/22

INTERNAL EXAMINER

  
8/6/22

EXTERNAL EXAMINER



**STRENGTH PROPERTIES OF QUATERNARY  
BLENDED CEMENT CONCRETE ACCOMPANIED BY  
GLASS FIBER**

**PROJECT REPORT**

*Submitted by*

**B.KARTHICK RAJAN (920420PST03)**

*In partial fulfillment for the award of the degree of*

**MASTER OF ENGINEERING  
IN  
STRUCTURAL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING**




**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution - Affiliated to Anna University, Chennai)  
K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**JUNE 2022**

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(An Autonomous Institution- Affiliated to Anna University, Chennai)  
**K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**BONAFIDE CERTIFICATE**

Certified that the project report "STRENGTH PROPERTIES OF QUATERNARY BLENDED CEMENT CONCRETE ACCOMPANIED BY GLASS FIBER" is the bonafide work of "B. KARTHICK RAJAN (920420PST03)" who carried out the project work under my supervision.



**SIGNATURE**

Dr.R.Lakshmi, M.E, Ph.D.,

**HEAD OF THE DEPARTMENT**

Department of Civil Engineering

Kamaraj College of Engineering

and Technology

Virudhunagar.



**SIGNATURE**

Mr.D.Velumani, M.E., (PhD)

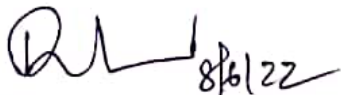
**ASSISTANT PROFESSOR**

Department of Civil Engineering

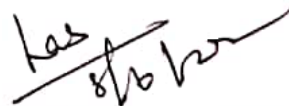
Kamaraj College of Engineering

and Technology

Virudhunagar.



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**

# INVESTIGATION ON MECHANICAL PROPERTIES OF SCC USING PALM OIL FUEL ASH

PROJECT REPORT

*Submitted by*

**ARIHARASUDHAN K (920420PST02)**

*In partial fulfillment for the award of the degree of*

**MASTER OF ENGINEERING  
IN  
STRUCTURAL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING**



**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution - Affiliated to Anna University, Chennai)**

**K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**JUNE 2022**

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**

(An Autonomous Institution- Affiliated to Anna University, Chennai)

**K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**BONAFIDE CERTIFICATE**

Certified that the project report "INVESTIGATION ON MECHANICAL PROPERTIES OF SCC USING PALM OIL FUEL ASH" is the bonafide work of "ARIHARASUDHAN K (920420PST02)" who carried out the project work under my supervision.



**SIGNATURE**

Dr.R.Lakshmi, M.E, Ph.D.,

**HEAD OF THE DEPARTMENT**

Department of Civil Engineering  
Kamaraj College of Engineering  
and Technology  
Virudhunagar.

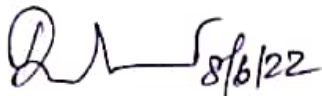


**SIGNATURE**

Dr.R.Lakshmi, M.E, Ph.D.,

**HEAD OF THE DEPARTMENT**

Department of Civil Engineering  
Kamaraj College of Engineering  
and Technology  
Virudhunagar.



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**

**MECHANICAL PERFORMANCE AND  
DURABILITY STUDY OF ALKALI ACTIVATED  
BENDABLE CONCRETE**

**PROJECT REPORT**

*Submitted by*

**VIJAYA LAKSHMI K (920420PST04)**

*In partial fulfillment for the award of the degree of*

**MASTER OF ENGINEERING**

**IN**

**STRUCTURAL ENGINEERING**



**DEPARTMENT OF CIVIL ENGINEERING**



**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**(An Autonomous Institution - Affiliated to Anna University, Chennai)**  
**K.VELLAKULAM - 625 701 (Near Virudhunagar)**

**JUNE 2022**

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

## BONAFIDE CERTIFICATE

Certified that the project report "MECHANICAL PERFORMANCE AND DURABILITY STUDY OF ALKALI ACTIVATED BENDABLE CONCRETE" is the bonafide work of "VIJAYA LAKSHMI .K (920420PST04)" who carried out the project work under my supervision.

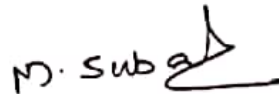


SIGNATURE

Dr.R.Lakshmi, M.E, Ph.D.,

**HEAD OF THE DEPARTMENT**

Department of Civil Engineering  
Kamaraj College of Engineering  
and Technology  
Virudhunagar.



SIGNATURE

Mr.M.Subahar ,M.E., (PhD)

**ASSISTANT PROFESSOR**

Department of Civil Engineering  
Kamaraj College of Engineering  
and Technology  
Virudhunagar.



INTERNAL EXAMINER



EXTERNAL EXAMINER