

CE8811

PROJECT WORK

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OBJECTIVE:

- To develop the ability to solve a specific problem right from its identification and literature review till the successful solution of the same. To train the students in preparing project reports and to face reviews and viva voce examination.

STRATEGY:

The student works on a topic approved by the head of the department under the guidance of a faculty member and prepares a comprehensive project report after completing the work to the satisfaction. The student will be evaluated based on the report and the viva voce examination by a team of examiners including one external examiner.

TOTAL: 300 PERIODS

OUTCOME:

- On Completion of the project work students will be in a position to take up any challenging practical problems and find solution by formulating proper methodology.

S.No.	Batch	Register Number	Student Name	Project Title	Name of the Supervisor
1	1	920417103060	PARIMEL ALAGAR.T	Treatment of Landfill Leachate by Using Electrochemical Advanced Oxidation (ECP & ECP) Process	Mrs.J.Christiarani
2		920417103041	KALIESWARAN.B		
3		920417103100	YOGESH.M		
4		920417103056	MUTHURAMU.M		
5	2	920417103058	NISHAR AHMAD.S	Investigation on Flexural Strength of Fiber Reinforced Paver Tiles	Mr.N.Jegandurai
6		920417103083	SIVASANKARAN.S		
7		920417103047	MAHA VISHNU PRAKASH.M		
8		920417103036	IJAS AHAMED.S		
9	3	920417103088	SUSITHRA.M	Treatment of Textile Wastewater by Fenton-Like Process Using Steel Slag as Heterogeneous Catalyst	Mr.N.Jegandurai
10		920417103008	ANCILIN.M.M		
11		920417103027	GAYATHRI.R		
12	4	920417103075	SELVAKUMAR.K	Study on Pervious Concrete by Replacement of Coarse Aggregate with Ceramic Tiles	Dr.A.Karthik
13		920417103089	SYED ISMAIL.A		
14		920417103054	MUKESH KUMAR.T		
15		920417103301	Arunkumar.B		
16	5	920417103031	GURU ABHINAV.M	Experimental Study on Mechanical Properties of Concrete Using Aloe Vera Gel as Admixture	Mr.D.Velumani
17		920417103055	MURUGESAN.S		
18		920417103095	VIKRAM.S		
19		920417103022	DHILIPAN.R		
20	6	920417103029	GOWSALYA.S	A Study on Properties of Paver Blocks Using Treated Coconut Shell	Mr.M.Subahar
21		920417103020	DHAPERNIKA.R		
22		920417103067	RAJA RAJESWARI.R		
23		920417103080	SHARU PRABHA.A		
24	7	920417103023	DINESH NARAYANAN.R	Experimental Investigation on Self Cleaning Concrete	M.r.P.Ganesh Prabhu
25		920417103044	KODEESWARAN.K		
26		920417103035	HEMANTH KANNAN.R		
27		920417103053	MUKESH.K		
28	8	920417103039	JOTHIKA.R	Study on Properties of Binary Blended Millettia Pinnata Fiber Reinforced Cement Concrete	Mr.M.Subahar
29		920417103046	LAVANYA.K		
30		920417103059	PADMAGAYATHRI.K		
31		920417103306	Priya.T		
32	9	920417103024	DIWAHAR.C	Experimental Study on Light Weight Concrete Block Using Saw Dust	Mr.A.Krishnamoorthy
33		920417103017	CIBI RITHIK.K		
34		920417103011	ARUN PANDI.P		
35		920417103091	VIGNESH.P		
36	10	920417103305	Nandhakumar.S	Development of Highway Runoff Rainwater Harvesting System Using Modern Surveying Techniques	Mr.D.Velumani
37		920417103026	GANESHRAM.K		
38		920417103096	VIMEL.P.G.B		
39		920417103040	KALAIIVANAN.K		
40	11	920417103042	KARGUVELRAJ.T	Characterisation of Fly Ash Based Geopolymer Concrete with Steel Fibers	Mrs.S.Thahirabanu
41		920417103071	SARAVANA KUMAR.A		
42		920417103050	MOHAMED ALRIYAS.S		
43		920417103012	ARUN PRAKASH.S		
44	12	920417103032	HARANPRASATH.M	Comparative Study on Mechanical Properties of Geopolymer Concrete with M-Sand and River Sand	Mr.A.Krishnamoorthy
45		920417103097	VINOJKUMAR.M		
46		920417103018	DEVA.R		
47	13	920417103309	ASHWANI KUMAR	An Experimental Investigation on Light Weight Paver Block Using Vermiculite	Dr.R.Lakshmi
48		920417103308	ABBAY BASSAN		
49	14	920417103003	AATHAVA HARIHARAN.M	Effect of MSW Ash and Effluent on the Compressive Strength of Paver Block	Mr.P.Ponkarthikeyan
50		920417103057	NARENDRAN.R		
51		920417103077	SERVESH KUUMAR.M.G		
52		920417103087	SURESH KRISHNAN.P		
53	15	920417103001	AAKASH NIRMITH RAJA.V	An Experimental Study on Geopolymer Bacterial Concrete	Mrs.J.Vijayakeerthana
54		920417103082	SIVA GURU.S		
55		920417103048	MANIKANDA PRABHU.N		
56	16	920417103014	BALAJI.N	Analysis of Various Types of Flat Slab Systems for Assembly Building	Dr.P.Kathirvel
57		920417103074	SEENIVASAN.S		
58		920417103043	KARTHICK.M		

60	17	920417103302	DHAMODHARAN.S	Experimental Study on Strength of Ferrocement Roof Channel by Replacing Cement with Flyash	Mrs.R.Sangeetha
61	18	920417103085	SONA.S	Buckling Analysis of Linearly Varying Non Prismatic Section	Mrs.R.Sangeetha
62	19	920417103038	JERLINE JENSY.J	Removal of Fluoride From Water by Electrocoagulation Process	Mr.P.Ponkarthikeyan
63		920417103090	THIN NAING AUNG		
64		920417103064	RAJA KARTHIGA.S.V		
65	20	920417103086	SUNDARARAJ.P	Investigation on Performance of Mud Concrete With Lime	Mrs.S.Thahirabanu
66		920417103009	ARUNJUNAI RAJAN.V		
67		920417103061	PONNUSANKAR.C.R		
68		920417103025	EZILKUMARAN.G		
69	21	920417103065	RAJALAKSHMIT	Effect of Saw Dust in Coconut Fibre Reinforced Concrete	Dr.A.Karthik
70		920417103002	AARTHI SANTHAM.J		
71		920417103079	SHANTHINI.K		
72		920417103034	HARINIT		
73	22	920417103068	RAJA SIMMAN.N	Analysis of Various Types of Grid Floor Slab Systems for Assembly Building	Dr.P.Kathirvel
74		920417103062	PRAVEEN BABU.K		
75		920417103070	SANTHOSH BRITTO KENNEDY.J		
76		920417103051	MOHAMED RIYASH KHAN.N		
77	23	920417103049	MICHAEL JOSEPH.M	Study on the Mechanical Properties of Steel Slag Replaced Bendable Concrete With Polypropylene Fibers	Mrs.S.Brintha
78		920417103084	SIVASANKARAN.T		
79		920417103007	AJITH KUMAR.T		
80		920417103037	JEGAN KANNA.S		
81	24	920417103098	VINOTH KUMAR.M.K	An Experimental Inspection on Prosopis Juliflora Ash as a Partial Replacement of Cement in Paver Block	Mr.R.Ganesh
82		920417103073	SATHISH.R		
83		920417103028	GOPIA		
84		920417103052	MOHAMED THANISH.N		
85	25	920417103076	SENTHUR MURUGAN.C	Strength Assessment of Piezoelectric Tile	Mrs.J.Vijayakeerthana
86		920417103092	VIGNESH.R		
87		920417103094	VIJAY ARUN.G		
88		920417103099	VINOTH PANDI.C		
89	26	920417103303	HARISH KUMAR.R	Experimental Investigation on Mechanical Properties of Lightweight Brick Using Vermiculite	Mr.K.Hariharan
90		920417103005	AJITH.R		
91		920417103307	THIRUKUMARESAN		
92		920417103030	GUNA SUNDAR.M		
93	27	920417103063	RAJA.A	Road Health Monitoring Using IOT Applications	Mr.P.Ganeshprabhu
94		920417103072	SARAVANA KUMAR.B.P		
95		920417103081	SHIVA VISHNU.S		

INTERNAL EXAMINER

S.P. Murali Kannan
AP/Civil Engineering

Kamaraj College of Engineering and Technology

EXTERNAL EXAMINER

Dr.S. Manimegalai
Professor/Civil Engineering
University VOC College of
Engineering
Thoothukudi

**TREATMENT OF LANDFILL LEACHATE BY USING
ELECTROCHEMICAL ADVANCED OXIDATION
(ECP) PROCESS**

PROJECT REPORT

Submitted by

MUTHURAMU.M (17UCIV050)

YOGESH.M (17UCIV061)

PARIMEL ALAGAR.T (17UCIV064)

KALIES WARAN.B (17UCIV070)

In partial fulfillment for the award of the degree of

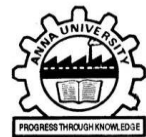
BACHELOR OF ENGINEERING

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)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**TREATMENT OF LANDFILL LEACHATE BY USING ELECTROCHEMICAL ADVANCED OXIDATION (ECP) PROCESS**” is the bonafide work of “**MUTHURAMU.M (17UCIV050), YOGESH.M (17UCIV061), PARIMEL ALAGAR.T (17UCIV064) KALIESWARAN.B (17UCIV070)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

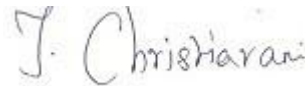
Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



SIGNATURE

Mrs.J.CHRISTIARANI,

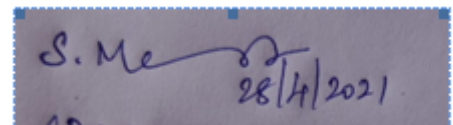
SUPERVISOR,

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



EXTERNAL EXAMINER

INVESTIGATION ON FLEXURAL STRENGTH OF COMPOSITE FIBER REINFORCED PAVER TILES

PROJECT REPORT

Submitted by

IJAS AHAMED S (920417103036)

MAHA VISHNU PRAKASH M (920417103047)

NISHAR AHMED S (920417103058)

SIVASANKARAN S (920417103083)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

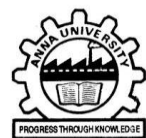


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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K.VELLAKULAM – 625 701 (Near Virudhunagar)



APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**INVESTIGATION ON FLEXURAL STRENGTH OF COMPOSITE FIBER REINFORCED PAVER TILES**” is the bonafide work of “ **IJAS AHAMED S (920417103047) , MAHA VISHNU PRAKASH M (920417103047) , NISHAR AHMED S (920417103058), SIVASANKARAN S (920417103083)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL, M.E., Ph.D

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



SIGNATURE

Mr.N. JEGAN DURAI, M.Tech

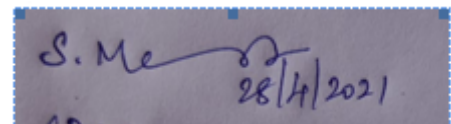
SUPERVISOR,

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam, Madurai



EXTERNAL EXAMINER

**TREATMENT OF TEXTILE WASTEWATER BY
FENTON-LIKE PROCESS USING STEEL SLAG AS
HETROGENEOUS CATALYST**

PROJECT REPORT

Submitted by

M.M.ANCILIN (920417103008)

M.SUSITHRA (920417103088)

R.GAYATHRI (920417103027)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

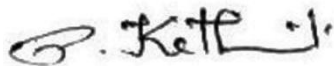
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “TREATMENT OF TEXTILE WASTEWATER BY FENTON-LIKE PROCESS USING STEEL SLAG AS HETROGENEOUS CATALYST” is the bonafide work of “M.M.ANCILIN (920417103008), M.SUSITHRA (920417103088), R.GAYATHRI(920417103027)” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg.& Tech,

K.Vellakulam, Madurai

K.Vellakulam, Madurai



INTERNAL EXAMINER



SIGNATURE

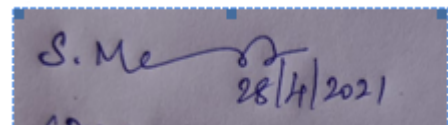
Mr.N.JEGANDURAI,

SUPERVISOR,

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engg& Tech,



S. Me
28/4/2021

EXTERNAL EXAMINER

STUDY ON PERVIOUS CONCRETE BY REPLACEMENT OF COARSE AGGREGATE WITH CERAMIC TILES

PROJECT REPORT

Submitted by

T.MUKESH KUMAR (920417103054)

K.SELVA KUMAR (920417103075)

A.SYED ISMAIL (920417103089)

B.ARUNKUMAR (920417103301)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

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DEPARTMENT OF CIVIL ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

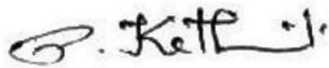
**KAMARAJ COLLEGE OF ENGINEERING AND
TECHNOLOGY**

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**STUDY ON PERVIOUS CONCRETE BY REPLACEMENT OF COARSE AGGREGATE WITH CERAMIC TILES**” is the bonafide work of “**T.MUKESH KUMAR (920417103054), K.SELVA KUMAR (920417103075), A.SYED ISMAIL (920417103089), B.ARUNKUMAR (920417103303)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

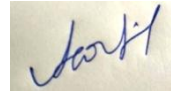
Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg.&Tech,

K.Vellakulam, Madurai



SIGNATURE

Dr.A.KARTHIK,

SUPERVISOR,

Assistant Professor,

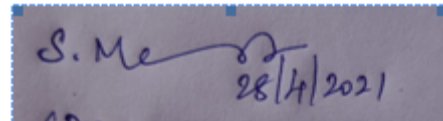
Department of Civil Engineering,

Kamaraj College of EnggTech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF CONCRETE USING ALOEVERA GEL AS ADMIXTURE

PROJECT REPORT

Submitted by

GURU ABHINAV . M (920417103031)

MURUGESAN . S (920417103055)

VIKRAM . S (920417103095)

DHILIPAN . R (920417103022)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



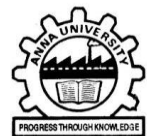
DEPARTMENT OF CIVIL ENGINEERING

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(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021



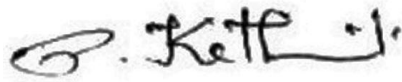
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF CONCRETE USING ALOEVERA GEL AS ADMIXTURE**” is the bonafide work of “**GURU ABHINAV.M (920417103031), MURUGESAN.S (920417103055), VIKRAM.S (920417103095), DHILIPAN.R (920417103022)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SIGNATURE

Mr. D. VELUMANI M.E Ph.D,

SUPERVISOR,

Assistant Professor,

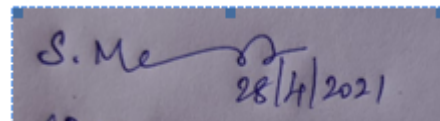
Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

A STUDY ON PROPERTIES OF PAVER BLOCKS USING TREATED COCONUT SHELL

PROJECT REPORT

Submitted by

SHARU PRABHA A (17UCIV006)

DHAPERNIKA R (17UCIV027)

RAJA RAJESWARI R (17UCIV41)

GOWSALYA S (17UCIV084)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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APRIL 2021

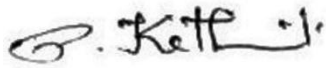
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “A STUDY ON PROPERTIES OF PAVER BLOCKS USING TREATED COCONUT SHELL ”is the bonafide work of “A.SHARU PRABHA (17UCIV006), R.DHAPERNIKA (17UCIV027), R.RAJA RAJESWARI (17UCIV041), S.GOWSALYA (17UCIV084) ” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,M.E, Ph.D,

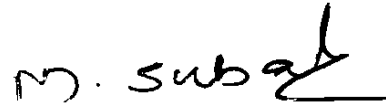
Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg.& Tech,

K.Vellakulam, Madurai



SIGNATURE

Mr.M.SUBAHAR,M.E, (Ph.D)

SUPERVISOR,

Assistant Professor,

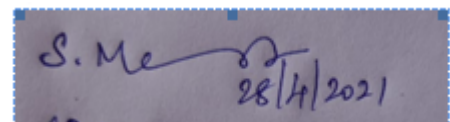
Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



S. Me
28/4/2021

EXTERNAL EXAMINER

EXPERIMENTAL INVESTIGATION ON SELF CLEANING CONCRETE

PROJECT REPORT

Submitted by

DINESH NARAYANAN.R (920417103023)

MUKESH.K (920417103052)

HEMANTH KANNAN.R (920417103035)

KODEESWARAN.K (920417103044)

In partial fulfillment for the award of the degree of

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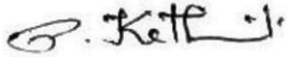
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**EXPERIMENTAL INVESTIGATION ON SELF CLEANING CONCRETE** ” is the bonafide work of “**DINESH NARAYANAN.R (920417103023), MUKESH.K (920417103052), HEMANTH KANNAN.R (920417103035), KODEESWARAN.K (920417103044)** ” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,
Head of the Department,
Professor,
Department of Civil Engineering,
Kamaraj College of Engg. & Tech,
K.Vellakulam, Madurai

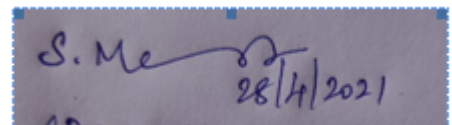


SIGNATURE

Mr. P.GANESH PRABHU
SUPERVISOR,
Assistant Professor,
Department of Civil Engineering,
Kamaraj College of Engg& Tech,
K.Vellakulam, Madurai



INTERNAL EXAMINER



S. Me
28/4/2021

EXTERNAL EXAMINER

**STUDY ON PROPERTIES OF BINARY BLENDED MILLETTIA
PINNATA FIBREREINFORCED CONCRETE**

A PROJECT REPORT

Submitted by

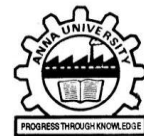
R.JOTHIKA (920417103039)
K.PADMA GAYATHRI (920417103059)
K.LAVANYA (920417103046)
T.PRIYA (920417103306)

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)

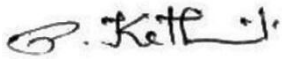
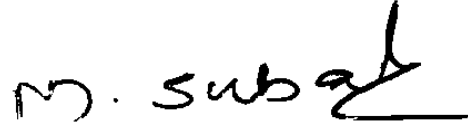
APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

Certified that this project report “STUDY ON PROPERTIES OF BINARY BLENDED MILLETIA PINNATA REINFORCED CONCRETE” is the bonafidework of, **R.JOTHIKA(920417103039), K.LAVANYA (920417103046), K.PADMAGAYATHRI (920417103059), T.PRIYA (920417103306)** who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVELM.E ,Ph.D.,

Head of the department

Department of Civil Engineering,

Kamaraj college of Engg & Tech.,

Madurai -625701.

SIGNATURE

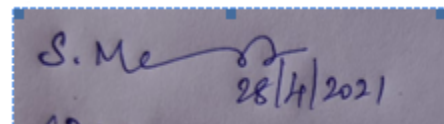
Mr.M.SUBAHARM.E ,(Ph.D).,

Assistant Professor,

Department of Civil Engineering,

Kamaraj college of Engg & Tech.,

Madurai -625701.



Internal Examiner

External Examiner

EXPERIMENTAL STUDY ON LIGHT WEIGHT CONCRETE BLOCK USING SAWDUST

PROJECT REPORT

Submitted by

P.ARUN PANDI (920417103011)

G.DIWAHAR (920417103024)

N.CIBI RITHIK (920417103017)

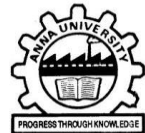
P.VIGNESH (920417103091)

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

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

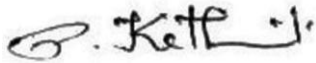
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**EXPERIMENTAL STUDY ON LIGHT WEIGHT CONCRETE BLOCK USING SAWDUST**” is the bonafide work of “**P.ARUNPANDI (920417103011), G.DIWAHAR (920417103024), N.CIBIRITHIK (920417103017), P.VIGNESH (920417103091)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SIGNATURE

Mr.A.KRISHNAMOORTHY,

SUPERVISOR,

Assistant Professor,

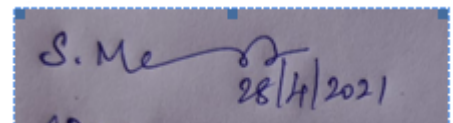
Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



S. Me
28/4/2021

EXTERNAL EXAMINER

DEVELOPMENT OF HIGHWAY RUNOFF RAINWATER HARVESTING SYSTEM USING MODERN SURVEYING TECHNIQUES

PROJECT REPORT

Submitted by

K.GANESHRAM(920417103026)

K.KALAIVANAN(920417103040)

P.G.B.VIMEL(920417103096)

S.NANDHAKUMAR(920417103305)

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)

APRIL 2021

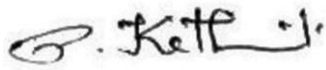
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**DEVELOPMENT OF HIGHWAY RUNOFF RAINWATER HARVESTING SYSTEM USING MODERN SURVEYING TECHNIQUES**” is the bonafide work of “**K.GANESHRAM(920417103026), K.KALAIVANAN(920417103040), P.G.B.VIMEL(920417103096), S.NANDHAKUMAR(920417103305)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SIGNATURE

Mr.D.VELUMANI,

SUPERVISOR,

Assistant Professor,

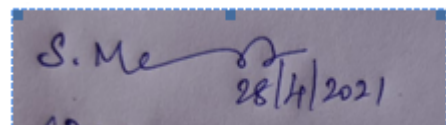
Department of Civil Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



S. Me
28/4/2021

EXTERNAL EXAMINER

CHARACTERISATION OF FLYASH BASED GEOPOLYMER CONCRETE WITH STEEL FIBER

A PROJECT REPORT
Submitted by

ARUN PRAKASH.S (920417103012)

KARGUVEL RAJ.T (920417103042)

MOHAMED ALRIYAS.S (920417103050)

SARAVANA KUMAR.A (920417103071)

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)

APRIL 2021

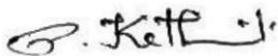
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(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project report “**CHARACTERISATION OF FLYASH BASED GEOPOLYMER CONCRETE WITH STEEL FIBER**” is the bonafide work of **ARUN PRAKASH.S, KARGUVELRAJ.T, MOHAMED ALRIYAS.S, SARAVANAKUMAR.A** who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVELM.E.,Ph.D.,

Head of the department

Department of Civil Engineering,

Kamaraj college of Engg & Tech.,

Madurai -625701.



SIGNATURE

Mrs.S.THAHIRA BANU M.E.,

Assistant Professor

Department of Civil engineering,

Kamaraj college of Engg & Tech.,

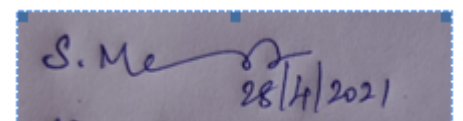
Madurai -625701.

Submitted for the Viva-Voce examination CE8811 project work held at
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY,

Madurai on _____



Internal Examiner



External Examiner

**COMPARATIVE STUDY ON MECHANICAL
PROPERTIES OF GEOPOLYMER CONCRETE WITH
M – SAND AND RIVER SAND**

PROJECT REPORT

Submitted by

DEVA.R (920417103018)

HARANPRASATH.M (920417103032)

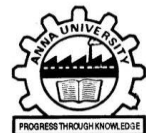
VINOJKUMAR.M (920417103097)

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)

APRIL 2021

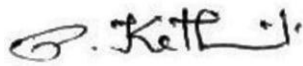
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(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**COMPARATIVE STUDY ON MECHANICAL PROPERTIES OF GEOPOLYMER CONCRETE WITH M-SAND AND RIVER SAND**” is the bonafide work of “**DEVA.R (920417103018), HARANPRASATH.M (920417103032), VINOJKUMAR.M (920417103097)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SIGNATURE

Mr.A.KRISHNAMOORTHY,

SUPERVISOR,

Assistant Professor,

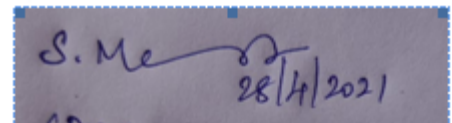
Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



S. Me
28/4/2021

EXTERNAL EXAMINER

AN EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT PAVER BLOCK USING VERMICULITE

PROJECT REPORT

Submitted by

ASHWANI KUMAR (17UCIV111)

ABBAY BASSAN (17UCIV112)

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)

APRIL 2021

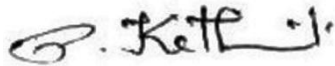
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “AN EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT PAVER BLOCK USING VERMICULITE” is the bonafide work of “ASHWANI KUMAR (920417103309), ABBAY BASSAN (920417103308)” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SIGNATURE

Dr. R.LAKSHMI,

SUPERVISOR,

Professor,

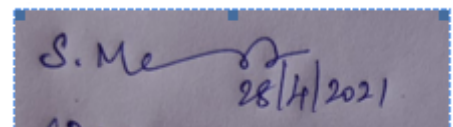
Department of Civil Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

EFFECT OF MSW ASH AND EFFLUENT ON THE COMPRESSIVE STRENGTH OF PAVER BLOCK

PROJECT REPORT

Submitted by

M.AATHAVA HARIHARAN 920417103003

R.NARENDRAN 920417103057

M.G.SERVESH KUMAR 920417103077

P.SURESH KRISHNAN 920417103087

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

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

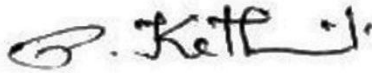
**KAMARAJ COLLEGE OF ENGINEERING AND
TECHNOLOGY**

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “EFFECT OF MSW ASH AND EFFLUENT ON THE COMPRESSIVE STRENGTH OF PAVERBLOCK” is the bonafide work of “M.AATHAVA HARIHARAN (920417103003), R.NARENDRAN (920417103057), M.G.SERVESHKUMAR (920417103077), P.SURESHKRISHNAN (920417103087)” who carried out the project work under my supervision.



SIGNATURE

Dr.P. KATHIRVEL, M.E., Ph.D.

Head of the Department

Professor

Department of Civil Engineering

Kamaraj College of Engg. & Tech

K.Vellakulam, Madurai



SIGNATURE

Mr.P.PONKARTHIKEYAN,M.E.,(Ph.D)

SUPERVISOR

Assistant Professor

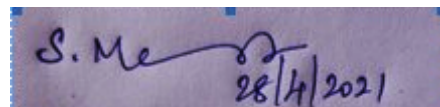
Department of Civil Engineering

Kamaraj College of Engg. &Tech.

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

AN EXPERIMENTAL STUDY ON GEOPOLYMER BACTERIAL CONCRETE

PROJECT REPORT

Submitted by

AAKASH NIRMITH RAJA V (920417103001)

SIVA GURU S (920417103082)

MANIKANDA PRABHU N (920417103048)

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

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

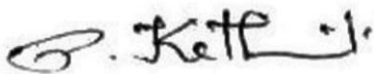
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**AN EXPERIMENTAL STUDY ON GEOPOLYMER BACTERIAL CONCRETE**” is the bonafide work of “**AAKASH NIRMITH RAJA V (920417103001), SIVA GURU S (920417103082), MANIKANDA PRABHU N (920417103048)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg&Tech,

K.Vellakulam, Madurai



SIGNATURE

Mrs. VIJAYA KEERTHANA J,

SUPERVISOR,

Assistant Professor,

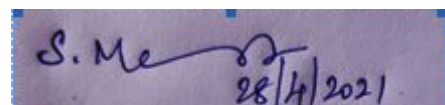
Department of Civil Engineering,

Kamaraj College of Engg&Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



S. Me
28/4/2021

EXTERNAL EXAMINER

ANALYSIS OF VARIOUS TYPES OF FLAT SLAB SYSTEMS FOR ASSEMBLY BUILDING

PROJECT REPORT

Submitted by

KARTHICK.M (920417103043)

SEENIVASAN.S (920417103074)

BALAJI.N (920417103014)

KAMESH.R (920417103304)

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)



APRIL 2021

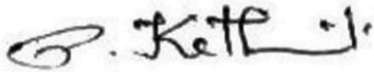
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**ANALYSIS OF VARIOUS TYPES OF FLAT SLAB SYSTEMS FOR ASSEMBLY BUILDING**” is the bonafide work of “**M.KARTHICK(920417103043),S.SEENIVASAN(920417103074), N.BALAJI(920417103014) , R.KAMESH(920417103304)** who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

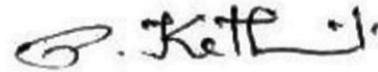
Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SIGNATURE

Dr.P.KATHIRVEL,

Supervisor,

Professor,

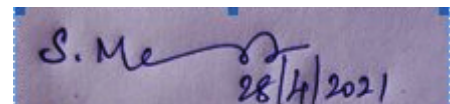
Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

**EXPERIMENTAL STUDY ON STRENGTH OF
FERROCEMENT ROOF CHANNEL BY REPLACING
CEMENT WITH FLYASH**

PROJECT REPORT

Submitted by

S.DHAMODHARAN (920417103302)

In partial fulfillment for the award of the degree of

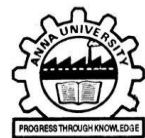
BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



DEPARTMENT OF CIVIL ENGINEERING



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

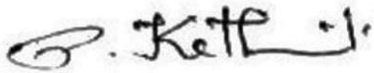
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

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SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam, Madurai



SIGNATURE

Mrs.R.SANGEETHA,

SUPERVISOR,

Assistant Professor,

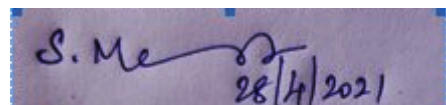
Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



S. Me
28/4/2021

EXTERNAL EXAMINER

BUCKLING ANALYSIS OF LINEARLY VARYING NON-PRISMATIC SECTION

PROJECT REPORT

Submitted by

S. SONA (17UCIV040)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

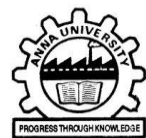


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K. VELLAKULAM – 625 701 (Near Virudhunagar)



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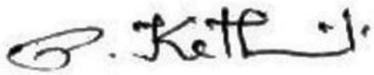
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K. VELLAKULAM – 625 701 (Near Virudhunagar)

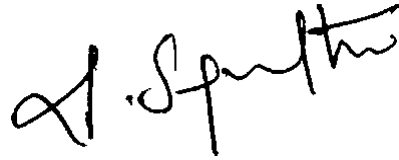
BONAFIDE CERTIFICATE

Certified that this Project Report “**BUCKLING ANALYSIS OF LINEARLY VARYING NON-PRISMATIC SECTION**” is the bonafide work of “**S. SONA (920417103085)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,
Head of the Department,
Professor,
Department of Civil Engineering,
Kamaraj College of Engg. & Tech,
K.Vellakulam, Madurai

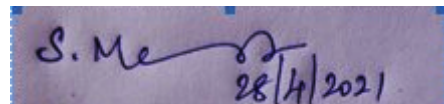


SIGNATURE

Mrs.R.SANGEETHA,
INTERNAL GUIDE,
Assistant Professor,
Department of Civil Engineering,
Kamaraj College of Engg& Tech,
K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

REMOVAL OF FLUORIDE FROM WATER BY ELECTROCOAGULATION PROCESS

PROJECT REPORT

Submitted by

JERLINE JENSY J 920417103038

RAJA KARTHIGA S V 920417103064

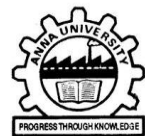
THIN NAING AUNG 920417103090

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)

APRIL 2021

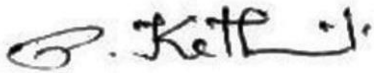
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**REMOVAL OF FLUORIDE FROM WATER BY ELECTROCOAGULATION PROCESS**” is the bonafide work of “**J.JERLINE JENSY (920417103038), S.V.RAJA KARTHIGA (920417103064), THIN NAING AUNG (920417103090)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P. KATHIRVEL, M.E., Ph.D.

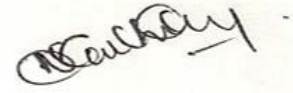
Head of the Department

Professor

Department of Civil Engineering

Kamaraj College of Engg. & Tech

K.Vellakulam, Madurai



SIGNATURE

Mr.P.PONKARTHIKEYAN, M.E., (Ph.D)

SUPERVISOR

Assistant Professor

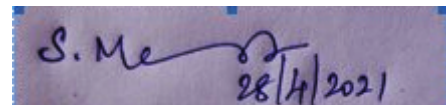
Department of Civil Engineering

Kamaraj College of Engg. & Tech.

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

INVESTIGATION ON PERFORMANCE OF
MUD CONCRETE WITH LIME

A PROJECT REPORT
Submitted by

ARUNJUNAI RAJAN.V (920417103009)
SUNDARA RAJ.P (920417103086)
PONNUSANKAR.C.R (920417103061)
EZHIL KUMARAN.G (920417103025)

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)

APRIL 2021

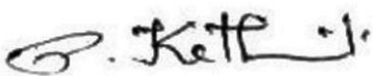
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project report “**INVESTIGATION ON PERFORMANCE OF MUD CONCRETE WITH LIME**” is the bonafide work of **ARUNJUNAI RAJAN.V, SUNDARA RAJ.P, PONNUSANKAR.C.R, EZHIL KUMARAN.G** who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVELM.E.,Ph.D.,

Head of the department

Department of Civil Engineering,
Kamaraj college of Engg & Tech.,
Madurai -625701.



SIGNATURE

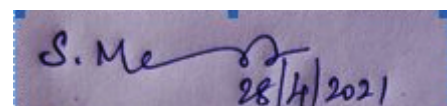
Mrs.S.THAHIRA BANU M.E.,

Assistant Professor

Department of Civil engineering,
Kamaraj college of Engg & Tech.,
Madurai -625701.



Internalexaminer



Externalexaminer

EFFECT OF SAW DUST IN COCONUT FIBER REINFORCED CONCRETE

PROJECT REPORT

Submitted by

RAJALAKSHMI T (920417103065)

AARTHI SANTHAM J (920417103002)

SHANTHINI K (920417103079)

HARINI T (920417103034)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

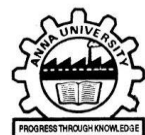


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K.VELLAKULAM – 625 701 (Near Virudhunagar)



APRIL 2021

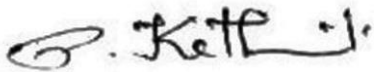
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**EFFECT OF SAW DUST IN COCONUT FIBER REINFORCED CONCRETE**” is the bonafide work of “**T.RAJALAKSHMI (920417103065), J.AARTHI SANTHAM (920417103002), K.SHANTHINI (920417103079) T.HARINI (920417103034)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

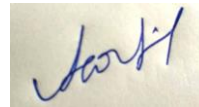
Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SIGNATURE

Dr.A.KARTHIK,

SUPERVISOR,

Assistant Professor,

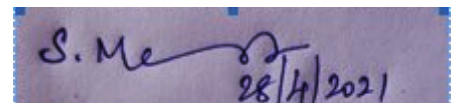
Department of Civil Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

Analysis of various types of Grid floor slab systems for Assembly Building

PROJECT REPORT

Submitted by

RAJA SIMMAN N

920417103068

PRAVEEN BABU K

920417103062

SANTHOSH BRITTO KENEDY J 920417103070

MOHAMMED RIYASH KHAN N 920417103751

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

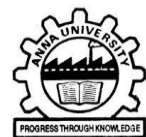


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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K.VELLAKULAM – 625 701 (Near Virudhunagar)



APRIL 2021

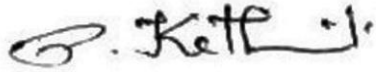
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**Analysis of various types of Grid floor slab systems for Assembly Building**” is the bonafide work of “Raja simman N (920417103068), Praveen babu K (920417103062), Santhosh brito kenedy J (920417103070) Mohammed riyash khan N(920417103751) who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

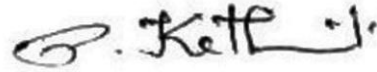
Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SUPERVISOR,

Dr.P.KATHIRVEL,

Professor,

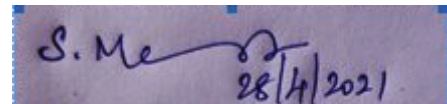
Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

**STUDY ON THE MECHANICAL PROPERTIES OF STEEL
SLAG REPLACED BENDABLE CONCRETE WITH
POLYPROPYLENE FIBRES**

PROJECT REPORT

Submitted by

AJITHKUMAR T (920417103007)

JEGAN KANNA S (920417103037)

SIVASANKARAN T (920417103084)

MICHAEL JOSEPH M (920417103049)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

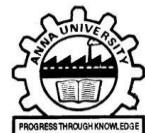


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K.VELLAKULAM – 625 701 (Near Virudhunagar)



APRIL 2021

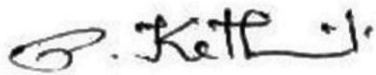
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**STUDY ON THE MECHANICAL PROPERTIES OF STEEL SLAG REPLACED BENDABLE CONCRETE WITH POLYPROPYLENE FIBRES**” is the bonafide work of “**T.AJITHKUMAR (920417103007), S.JEGAN KANNA (920417103037), T.SIVASANKARAN (920417103084), M.MICHAEL JOSEPH (920417103049)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,
Kamaraj College of Engg. & Tech,
K.Vellakulam, Madurai



SUPERVISOR,

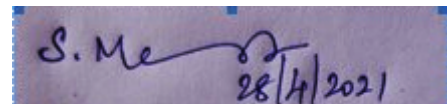
Mrs.S.BRINTHA, M.E.,

Assistant Professor,

Department of Civil Engineering,
Kamaraj College of Engg. & Tech,
K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

**AN EXPERIMENTAL INSPECTION ON PROSOPIS
JULIFLORA ASH AS A PARTIAL REPLACEMENT OF
CEMENT IN PAVER BLOCK**

PROJECT REPORT

Submitted by

MOHAMED THANISH N (920417103052)

GOPI A (920417103028)

VINOTH KUMAR M K (920417103098)

SATHISH R (920417103073)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

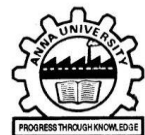


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K.VELLAKULAM – 625 701 (Near Virudhunagar)



APRIL 2021

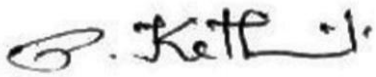
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “AN EXPERIMENTAL INSPECTION ON PROSOPIS JULIFLORA ASH AS A PARTIAL REPLACEMENT OF CEMENT IN PAVER BLOCK” is the bonafide work of “MOHAMED THANISH N (920417103052), GOPI A (920417103028), VINOOTH KUMAR M K (920417103098), SATHISH R (920417103073)” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SUPERVISOR,

Mr.R.GANESH,

Assistant Professor,

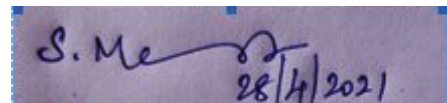
Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

STRENGTH ASSESSMENT OF PIEZOELECTRIC TILE

PROJECT REPORT

Submitted by

SENTHUR MURUGAN.C. (920417103076)

VIGNESH .R. (920417103092)

VIJAY ARUN.G (920417103094)

VINOTH PANDI.C. (920417103099)

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

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APRIL 2021



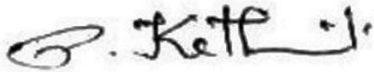
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**STRENGTH ASSESSMENT OF PIEZOELECTRIC TILE**” is the bonafide work of “**VIJAY ARUN G (17UCIV036), VIGNESH R (17UCIV069), VINOTH PANDI C (17UCIV087), SENTHUR MURUGAN C (17UCIV090)**” who carried out the project work under my supervision.



SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



SUPERVISOR,

Mrs.J.VIJAYA KEERTHANA,

Assistant Professor,

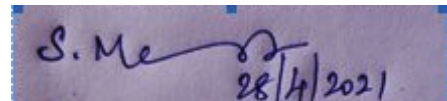
Department of Civil Engineering,

Kamaraj College of Engg. & Tech,

K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

**EXPERIMENTAL INVESTIGATION ON MECHANICAL
PROPERTIES OF LIGHT WEIGHT BRICK USING
VERMICULITE**

PROJECT REPORT

Submitted by

R.AJITH (920417103005)

M.THIRUKUMARESAN (920417103307)

M.GUNA SUNDAR (920417103030)

R.HARISH KUMAR(920417103303)

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

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

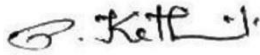
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)


BONAFIDE CERTIFICATE

Certified that this project report “**EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF LIGHT WEIGHT BRICK USING VERMICULITE**” is the bonafidework of **R.HARISH KUMAR(920417103303)** , **M.THIRUKUMARASEN(920417103307)**, **M.GUNA SUNDAR(920417103030)**, **R.AJITH(920417103005)** who carried out the project work under my supervision.



SIGNATURE

Dr. P.KATHIRVEL,M.E.,Ph.D.,
Professor &Head ofthedeartment,
Department ofCivil Engineering,
KamarajCollege ofEngg&Tech,
K.Vellakulam, Madurai - 625701.

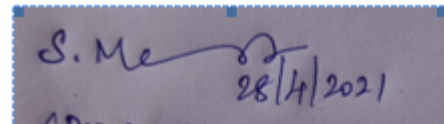


SIGNATURE

Mr.K.HARIHARAN.M.E.,
AssistantProfessor,
Department of Civil Engineering,
Kamaraj Collegeof Engg&Tech,
K.Vellakulam, Madurai -625701.



INTERNALEXAMINER



S. Me
28/4/2021

EXTERNALEXAMINER

ROAD HEALTH MONITORING USING IOT APPLICATION

PROJECT REPORT

Submitted by

RAJA A (920417103063)

SHIVA VISHNU S (920417103081)

SARAVANA KUMAR B.P (920417103072)

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 APRIL 2021)

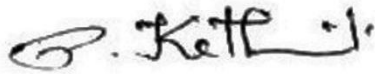
**KAMARAJ COLLEGE OF ENGINEERING AND
TECHNOLOGY**

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this Project Report “**ROAD HEALTH MONITORING USING IOT APPLICATION** ” is the bonafide work of “**A.RAJA(920417103063), S.SHIVA VISHNU (920417103081), B.P.SARAVANA KUMAR (920417103072)**” who carried out the project work under my supervision.




SIGNATURE

Dr.P.KATHIRVEL,

Head of the Department,

Professor,

Department of Civil Engineering,
Kamaraj College of Engg. & Tech,
K.Vellakulam, Madurai



SUPERVISOR,

SIGNATURE

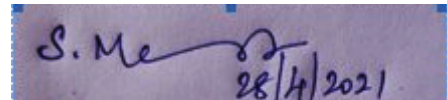
Mr.P.GANESH PRABHU,

Assistant Professor,

Department of Civil Engineering,
Kamaraj College of Engg. & Tech,
K.Vellakulam, Madurai



INTERNAL EXAMINER



EXTERNAL EXAMINER

The objective of the survey camp is to enable the students to get practical training in the field work. Groups of not more than six members in a group will carry out each exercise in survey camp. The camp must involve work on a large area of not less than 40 acres outside the campus (Survey camp should not be conducted inside the campus). At the end of the camp, each student shall have mapped and contoured the area. The camp record shall include all original field observations, calculations and plots.

Two weeks Survey Camp will be conducted during summer vacation in the following activities:

1. Traverse - using Total station
2. Contouring
 - (i). Radial tachometric contouring - Radial Line at Every 45 Degree and Length not less than 60 Meter on each Radial Line
 - (ii). Block Level/ By squares of size at least 100 Meter x 100 Meter atleast 20 Meter interval
 - (III). L.S & C.S - Road and canal alignment for a Length of not less than 1 Kilo Meter atleast L.S at Every 30M and C.S at every 90 M
3. Offset of Buildings and Plotting the Location
4. Sun observation to determine azimuth (guidelines to be given to the students)
5. Use of GPS to determine latitude and longitude and locate the survey camp location
6. Traversing using GPS
7. Curve setting by deflection angle

Apart from above students may be given survey exercises in other area also based on site condition to give good exposure on survey.

CE8513 - SURVEY CAMP

A REPORT

Submitted by

ABARNADEVI.B (920418103001)

VAISHNAVI.V.R (920418103020)

ARCHANA.A (920418103002)

SANGEETHA.R (920418103019)

in partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY,
MADURAI**

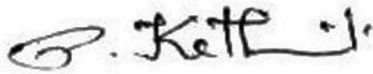
ANNA UNIVERSITY : CHENNAI 600 025

JANUARY 2021

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this "Survey Camp Report" is the bonafide work of **ABARNADEVI.B (920418103001)** who carried out the survey work under my supervision.



HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.

Submitted for VIVA-VOCE examination of CE8513 - Survey Camp held at Kamaraj College of Engineering and Technology, Madurai on 29/01/2021



INTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

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Certified that this "Survey Camp Report" is the bonafide work of **ARCHANA.A (920418103002)** who carried out the survey work under my supervision.



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Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



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Certified that this "Survey Camp Report" is the bonafide work of SANGEETHA.R (920418103019) who carried out the survey work under my supervision.



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Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

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Certified that this "Survey Camp Report" is the bonafide work of VAISHNAVI.V.R(920418103020) who carried out the survey work under my supervision.



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Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
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Madurai -625701.



INTERNAL SUPERVISOR

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INTERNAL EXAMINER

CE8513 - SURVEY CAMP

A REPORT

Submitted by

AJAY DEV SINGH (920418103301)

ASHU KUMAR (920418103302)

SUNNY KUMAR (920418103305)

VIGNESH.K (920418103306)

VIJAY.J (920418103307)

in partial fulfillment for the award of the degree

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in

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Kamaraj College of Engineering and
Technology,

Madurai -625701.



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Assistant Professor,

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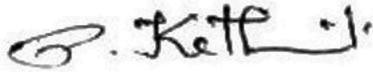


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Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

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Assistant Professor,

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Certified that this "Survey Camp Report" is the bonafide work of **SUNNY KUMAR (920418103305)** who carried out the survey work under my supervision.



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Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

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Certified that this "Survey Camp Report" is the bonafide work of **VIGNESH.K (920418103306)** who carried out the survey work under my supervision.



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Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

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Assistant Professor,

Department of Civil Engineering,

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HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai –625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
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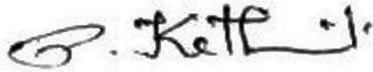


INTERNAL EXAMINER

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BONAFIDE CERTIFICATE

Certified that this "Survey Camp Report" is the bonafide work of **ARUL PRAVEEN.M (920418103003)** who carried out the survey work under my supervision.



HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this "Survey Camp Report" is the bonafide work of **BATHIRI NARAYANAN.S(920418103004)** who carried out the survey work under my supervision.



HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.

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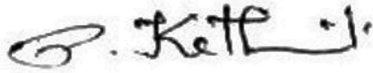


INTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this “Survey Camp Report” is the bonafide work of **CHANDRU (920418103005)** who carried out the survey work under my supervision.



HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai –625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

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INTERNAL EXAMINER

CE8513 - SURVEY CAMP

A REPORT

Submitted by

KASILINGAM.E	(920418103013)
ARUL PRAVEEN.M	(920418103003)
VIGNESH.V	(920418103024)
CHANDRU.C	(920418103005)
BATHIRI NARAYANAN.S	(920418103004)

in partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

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ANNA UNIVERSITY : CHENNAI 600 025

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BONAFIDE CERTIFICATE

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HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

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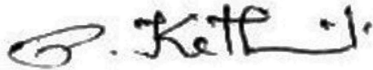


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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this "Survey Camp Report" is the bonafide work of **VIGNESH.V (920418103024)** who carried out the survey work under my supervision.



HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

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Technology,

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INTERNAL EXAMINER

CE8513 - SURVEY CAMP

A REPORT

Submitted by

NAVEENKUMAR.V	920418103015
HARIHARAN.A.R	920418103007
KARTHIKEYAN.S	920418103012
SANKARAMAHADEVAN.S	920418103303
SATHEESH KUMAR.S	920418103304

in partial fulfillment for the award of the degree

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BONAFIDE CERTIFICATE

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NAVEENKUMAR.V (920418103015) who carried out the survey work under my
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HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
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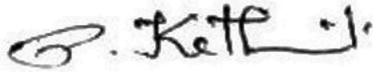


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BONAFIDE CERTIFICATE

Certified that this “Survey Camp Report” is the bonafide work of
HARIHARAN.A.R (920418103007) who carried out the survey work under my
supervision.



HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai –625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai –625701.

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Certified that this "Survey Camp Report" is the bonafide work of
KARTHIKEYAN.S (920418103012) who carried out the survey work under my
supervision.



HEAD OF THE DEPARTMENT

Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



INTERNAL SUPERVISOR

Dr.A.KARTHIK M.E.,Ph.D.

Assistant Professor,

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Certified that this “Survey Camp Report” is the bonafide work of **SANKARAMAHDEVAN.S (920418103303)** who carried out the survey work under my supervision.



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Dr.P.KATHIRVEL, M.E.,Ph.D.

Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai –625701.



INTERNAL SUPERVISOR

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Assistant Professor,

Department of Civil Engineering,

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Technology,

Madurai –625701.

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Certified that this "Survey Camp Report" is the bonafide work of **SATHEESH KUMAR.S (920418103302)** who carried out the survey work under my supervision.



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Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai -625701.



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INTERNAL EXAMINER

CE8513 - SURVEY CAMP

A REPORT

Submitted by

PARTHIBAN.P	(920418103016)
RISHIMURUGA.M	(920418103018)
JENISH CHRISTOPHER.P	(920418103009)
JOHN VINITO.S	(920418103010)
HARISHKUMAR.V	(920418103008)

in partial fulfillment for the award of the degree

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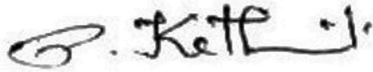


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Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai –625701.



INTERNAL SUPERVISOR

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Assistant Professor,

Department of Civil Engineering,

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Certified that this "Survey Camp Report" is the bonafide work of **JENISH CHRISTOPHER.P (920418103009)** who carried out the survey work under my supervision.



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Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

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INTERNAL SUPERVISOR

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Certified that this "Survey Camp Report" is the bonafide work of **JOHN VINITO.S (920418103010)** who carried out the survey work under my supervision.



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Professor & Head,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

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INTERNAL SUPERVISOR

Dr.A.KARTHICK M.E.,Ph.D.

Assistant Professor,

Department of Civil Engineering,

Kamaraj College of Engineering and
Technology,

Madurai –625701.

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INTERNAL EXAMINER

The objective of the survey camp is to enable the students to get practical training in the field work. Groups of not more than six members in a group will carry out each exercise in survey camp. The camp must involve work on a large area of not less than 40 acres outside the campus (Survey camp should not be conducted inside the campus). At the end of the camp, each student shall have mapped and contoured the area. The camp record shall include all original field observations, calculations and plots.

Two weeks Survey Camp will be conducted during summer vacation in the following activities:

1. Traverse - using Total station
2. Contouring
 - (i). Radial tachometric contouring - Radial Line at Every 45 Degree and Length not less than 60 Meter on each Radial Line
 - (ii). Block Level/ By squares of size at least 100 Meter x 100 Meter atleast 20 Meter interval
 - (III). L.S & C.S - Road and canal alignment for a Length of not less than 1 Kilo Meter atleast L.S at Every 30M and C.S at every 90 M
3. Offset of Buildings and Plotting the Location
4. Sun observation to determine azimuth (guidelines to be given to the students)
5. Use of GPS to determine latitude and longitude and locate the survey camp location
6. Traversing using GPS
7. Curve setting by deflection angle

Apart from above students may be given survey exercises in other area also based on site condition to give good exposure on survey.

CE8513 - SURVEY CAMP

A REPORT

Submitted by

AKASH. K	(920419103002)
KABILAN. M	(920419103006)
MIRUTHUNCH RAM. J	(920419103012)
PRANAB SHARMA	(920419103016)
RAJAMUNEESWARAN. N	(920419103017)
VIJAYENDRAN. A	(920419103025)
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ANNA UNIVERSITY : CHENNAI 600 025

OCTOBER 2021



(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), Madurai District.

BONAFIDE CERTIFICATE

Certified that this "Survey Camp Report" is the bonafide work of
**AKASH. K (920419103002), KABILAN. M (920419103006),
MIRUTHUNCHRAM. J(920419103012), PRANAB SHARMA
(920419103016), RAJAMUNESWARAN. N(920419103017),
VIJAYENDRAN. A (920419103025), MANOJ.R (920419103302)**who
carried out the survey work under my supervision.

HEAD OF THE DEPARTMENT

Dr.R.LAKSHMI, ME., Ph.D.

Professor & Head,

Department of Civil Engineering.

INTERNAL SUPERVISOR

Mr.A.KRISHNAMOORTHY, M.E.,

Assistant Professor,

Department of Civil Engineering.

Location: Virudhunagar

Date: 25.10.2021

Submitted for VIVA-VOCE examination of CE8513 - Survey Camp held at Kamaraj
College of Engineering and Technology, Virudhunagar on 30.10.2021

INTERNAL EXAMINER

CE8513 - SURVEY CAMP

A REPORT

SUBMITTED BY

AJAY KANNAN.A.A	(920419103001)
ASWINI LAKSHMI.M	(920419103003)
BLESSY.V	(920419103004)
DEEPAN SANKARESH.T	(920419103005)
MOHAMED BAIZUL KASAN.P	(920419103013)
VANDHANAA.S	(920419103024)

in partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY,
VIRUDHUNAGR**

ANNA UNIVERSITY : CHENNAI 600 025

OCTOBER 2021

BONAFIDE CERTIFICATE

Certified that this "Survey Camp Report" is the bonafide work of
AJAY KANNAN.A.A(920419103001), ASWINI LAKSHMI.M
(920419103003), BLESSY.V(920419103004), DEEPAN
SANKARESH.T(920419103005), MOHAMED BAIZUL KASAN.P
(920419103013), VANDHANAA.S(920419103024) who carried out the
survey work under my supervision.



HEAD OF THE DEPARTMENT

Dr.R.LAKSHMI ME., Ph.D.

Professor & Head,

Department of Civil Engineering.



INTERNAL SUPERVISOR

Mr. A.KRISHNAMOORTHY, M.E.,

Assistant Professor,

Department of Civil Engineering.

Location: Virudhunagar

Date: 25-10-2021

Submitted for VIVA-VOCE examination of **CE8513 - Survey Camp** held at Kamar
College of Engineering and Technology, Virudhunagar on 30-10-2021



INTERNAL EXAMINER

EXTERNAL EXAMINER

CE8513 - SURVEY CAMP

A REPORT

Submitted by

MOHANKUMAR. K	(920419103014)
MANIRAJ.S	(920419103010)
KAMARAJ.C	(920419103007)
MUKESH.R	(920419103015)
SIVA ANAND.S.V	(920419103020)
SATHISH MEIKANDAN.C	(920419103303)

in partial fulfillment for the award of the degree

Of

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in

CIVIL ENGINEERING

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY,
VIRUDHUNAGR**

ANNA UNIVERSITY : CHENNAI 600 025

OCTOBER 2021



(An Autonomous Institution) AFFILIATED TO ANNA UNIVERSITY (2517/2017)

S.P.G. Chidambara Nadar - C. Nagarajal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District

BONAFIDE CERTIFICATE

Certified that this "Survey Camp Report" is the bonafide work of **MOHANKUMAR. K (920419103014), MANIRAJ.S (920419103010), KAMARAJ.C (920419103007), MUKESH.R (920419103015), SIVA ANAND.S.V (920419103020), SATHISH MEIKANDAN.C (920419103303)** who carried out the survey work under my supervision.

HEAD OF THE DEPARTMENT

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

Professor & Head,

Department of Civil Engineering.

Location: Virudhunagar

INTERNAL SUPERVISOR

Mr. A. KRISHNAMOORTHY, M.E.,

Assistant Professor,

Department of Civil Engineering.

Date: 29.10.2021

Submitted for VIVA-VOCE examination of CE8513 - Survey Camp held at Kamaraj College of Engineering and Technology, Virudhunagar on 30.10.2021

INTERNAL EXAMINER

EXTERNAL EXAMINER

CE8513 - SURVEY CAMP

A REPORT

Submitted by

KARTHICK.V	(920419103008)
KIRUBA . J	(920419103009)
MATHESH. S	(920419103011)
SIVA . V	(920419103019)
SANGESH . R	(920419103018)
UMAIR ASHRAF BHAT.M	(920419103023)
KARTHICKRAJA .P	(920419103301)

in partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY,
VIRUDHUNAGR**

ANNA UNIVERSITY : CHENNAI 600 025

OCTOBER 2021

BONAFIDE CERTIFICATE

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MATHESH. S (920419103011)SIVA . V (920419103019)
SANGESH . R (920419103018)UMAIR ASHRAF BHAT
(920419103023) KARTHICKRAJA.P (920419103301)
who carried out the survey work under my supervision.



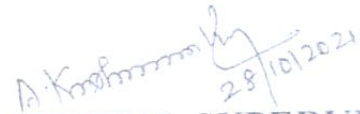
HEAD OF THE DEPARTMENT

Dr.R.LAKSHMI, ME., Ph.D.

Professor & Head,

Department of Civil Engineering.

Location: Virudhunagar



INTERNAL SUPERVISOR

Mr.A.KRISHNAMOORTHY, M.E.,

Assistant Professor,

Department of Civil Engineering.

Date: 28/10/2021

Submitted for VIVA-VOCE examination of CE8513 - Survey Camp held at Kamaraj
College of Engineering and Technology, Virudhunagar on 30.10.2021.



INTERNAL EXAMINER

EXTERNAL EXAMINER

ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM
M. E. STRUCTURAL ENGINEERING

ST5411

PRACTICAL TRAINING III (2 Weeks)

L T P C

0 0 0 1

OBJECTIVE:

- To train the students in the field work so as to have a firsthand knowledge of practical problems related to Structural Engineering in carrying out engineering tasks.
- To develop skills in facing and solving the field problems.

SYLLABUS:

The students individually undertake training in reputed Industries during the summer vacation for a specified period of two weeks. At the end of training, a detailed report on the work done should be submitted within ten days from the commencement of the semester. The students will be evaluated through a viva-voce examination by a team of internal staff.

OUTCOME:

- They are trained in tackling a practical field/industry orientated problem related to Structural Engineering.

ANNA UNIVERSITY: CHENNAI – 600 025
M.E./M.Tech. DEGREE PRACTICAL EXAMINATIONS JUNE 2021.
ST5411 – Practical Training III
(M.E Structural Engineering)
Fourth Semester
(Regulations – 2017)

Maximum Marks: 100

Date of Exam: 10.06.2021

Title

S.No.	Register Number	Name of the Student	Title
1	920419413001	LAKSHMI PRIYA.S	Analysis, Design And Estimation Of G+2 Residential Building
2	920419413002	THEIVAKALI.P	Analysis , Design And Estimation of G+1 Residential Building



INTERNAL EXAMINER

**ANALYSIS, DESIGN AND ESTIMATION OF G+2
RESIDENTIAL BUILDING**

ST-5411-PRACTICAL TRAINING –III REPORT

A TRAINING REPORT

Submitted by

LAKSHMIPRIYA.S

in partial fulfillment for the award of the degree

of

MASTER OF ENGINEERING

IN

STRUCTURAL ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

NEAR VIRUDHUNAGAR,

MADURAI DISTRICT

ANNAUNIVERSITY : CHENNAI - 600 025

JUNE 2021

BONAFIDE CERTIFICATE

Certified that this Practical Training report on “**ANALYSIS, DESIGN AND ESTIMATION OF G+2 RESIDENTIAL BUILDING**” is the bonafide work of “**S.LAKSHMIPRIYA(Reg.No.920419413001)** ” who carried out the practical training work under my supervision.



SIGNATURE OF HOD

Dr. P.KATHIRVEL, M.E,Ph.D.,
HEAD OF THE DEPARTMENT,
Department of Civil Engineering,
Kamaraj College of Engg. & Tech.,
Madurai-625701.



SIGNATURE OF SUPERVISOR

P.GANESH PRABHU M.E,
ASSISTANT PROFESSOR,
Department of Civil Engineering,
Kamaraj College of Engg. &Tech.,
Madurai-625701.



Internal examiner

Er.B.MURUGAN M.E.(Struct),A.M.I.E

Chartered Civil Engineer,
Govt.Registered Engineer,
Total station Surveyors,
Contour Map,
Property Valuer



PM Construction & Survey

Collectorate Office (Opp),
Near HP G.A.S.C.O.Colony
Virudhunagar - 626 002
Mob : 94439-77741, 82209-57741
Email Id : pmconstructionsurvey@gmail.com

Date:16.02.2021

IN-PLANT TRAINING CERTIFICATE

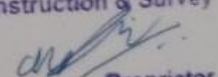
This is to certify that Miss.S.LakshmiPriya (Reg No. 920419413001) studying at M.E Structural Engineering (II year) at Kamaraj College of Engineering and Technology, Virudhunagar has undergone in -plant Training during the period from 01.02.2021 to 15.02.2021.

During this period he has been exposed to Site Execution and Auto cad Drawing for Commercial Building at Thambipatti Village in Virudhunagar District.

Her Character is Good.

Virudhunagar
16.02.2021

For PM Construction & Survey


Proprietor



**ANALYSIS , DESIGN AND ESTIMATION OF G+1
RESIDENTIAL BUILDING**

ST-5411-PRACTICAL TRAINING –III REPORT

Submitted by

THEIVAKALI.R

Register No: 920419413002

in partial fulfillment for the award of the degree

of

MASTER OF ENGINEERING

in

STRUCTURAL ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

NEAR VIRUDHUNAGAR,

MADURAI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2021

BONAFIDE CERTIFICATE

Certified that this practical Training Report “**ANALYSIS , DESIGN AND ESTIMATION OF G+1 RESIDENTIAL BUILDING**” is the bonafide work of **R.THEIVAKALI(Reg.No.920419413002)** who carried out the practical training work under my supervision.



SIGNATURE OF HOD

Dr. P.KATHIRVEL, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Department of Civil Engineering,
Kamaraj College of Engg. & Tech.,
Madurai-625701.



SIGNATURE OF SUPERVISOR

P.GANESH PRABHU M.E,
ASSISTANT PROFESSOR,
Department of Civil Engineering,
Kamaraj College of Engg. &Tech.,
Madurai-625701.

Submitted for the Viva-Voce examination held at KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, Madurai on 10-06-2021



Internal examiner

Er. B. Murugan M.E. (Struct), A.M.I.E.,

*Chartered Civil Engineer,
Govt. Registered Engineer,
DTCP Approval,
Total Station Surveyors,
Contour Map, Property Valuer,
Planning | Designing | Drawing
Estimation & Construction*



PM Construction & Survey

Collectorate Office (Opp)

Near HP GAS, C.O. Colony,

Virudhunagar - 626 002

Mob : 94439 77741, 82209 57741

Email Id : pmconstructionsurvey@gmail.com

Date:16.02.2021

EXPERIENCE CERTIFICATE

This is to certify that **Mr.R.Theivakali (Reg No. 920419413002)** studying at M.E Structural Engineering (II year) at Kamaraj College of Engineering and Technology, Virudhunagar has undergone in -plant Training during the period from 01.02.2021 to 15.02.2021

During this period he has been exposed to Site Execution and Auto cad Drawing, for Commercial Building at Thambipatti Village in Virudhunagar District.

His Character is good

Virudhunagar
16.02.2021



B. Murugan
16/02/21
Er.B. MURUGAN.M.E.(Struct)
REGISTERED ENGINEER/CHARTERED ENGINEER
Reg.No:RE/Gr.III/M:9/June 2019/009
Collectorate Office(opp), Near HP Gas
Virudhunagar-626 002
Mob:9443977741, 8220957741

L	T	P	C
0	0	12	6

OBJECTIVE:

- To identify a specific problem for the current need of the society and collecting information related to the same through detailed review of literature.
- To develop the methodology to solve the identified problem.
- To train the students in preparing project reports and to face reviews and viva-voce examination.

SYLLABUS:

The student individually works on a specific topic approved by faculty member who is familiar in this area of interest. The student can select any topic which is relevant to his/her specialization of the programme. The topic may be experimental or analytical or case studies. At the end of the semester, a detailed report on the work done should be submitted which contains clear definition of the identified problem, detailed literature review related to the area of work and methodology for carrying out the work. The students will be evaluated through a viva-voce examination by a panel of examiners including one external examiner.

TOTAL: 180 PERIODS**COURSE OUTCOMES:**

Upon successful completion of course the students will be able to,

CO1: To identify the prospective topic of work and collection of related review of literature.

C02: To develop the methodology to solve the identified problem.

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY



(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), Madurai District.

Department of Civil Engineering

END SEMESTER EXAMINATIONS – January 2022

M.E. – Structural Engineering

ST1322 – Project Work (Phase I)

Date: 03.01.2022

S.No.	Student Name	Register No	Title of Project Work	Guide Name
1	Ariharasudhan. K	920420PST02	INVESTIGATION ON MECHANICAL PROPERTIES OF SCC USING PALM OIL FUEL ASH	Mrs.S.Thahira banu. M.E., (Ph.D)
2	Vijayalakshmi.K	920420PST03	MECHANICAL PERFORMANCE AND DURABILITY STUDY OF ALKALI ACTIVATED BENDABLE CONCRETE	M.SUBAHAR. M.E.,(Ph.D)
3	Karthick Rajan. B	920420PST04	STRENGTH AND DURABILITY STUDY OF QUATERNARY BLENDED CEMENT CONCRETE ACCOMPANIED BY GLASS FIBRE	Mr.D.Velumani, M.E., (Ph.D)

A. Krishnamoorthy
03/01/2022
INTERNAL EXAMINER

A.KRISHNAMOORTHY, AP/CIVIL

9204 – KCET.

R. Sankaranarayanan
21/1/22
EXTERNAL EXAMINER

R.SANKARANARAYANAN, AP/CIVIL

TCE, MADURAI.

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

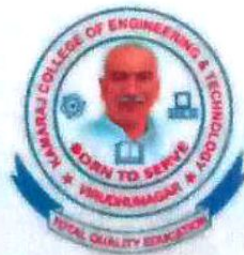
ST-1322-PROJECT-PHASE I REPORT

Submitted by

ARIHARASUDHAN K

in partial fulfillment for the award of the degree of

**MASTER OF ENGINEERING IN
STRUCTURAL ENGINEERING**



KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution)

VIRUDHUNAGAR

JANUARY 2022

**KAMARAJ COLLEGE OF ENGINEERING &
TECHNOLOGY
(An Autonomous Institution)
VIRUDHUNAGAR**

BONAFIDE CERTIFICATE

Certified that this Report titled "INVESTIGATION ON MECHANICAL PROPERTIES OF SCC USING PALM OIL FUEL ASH" is the bonafide work of K.ARIHARASUDHAN (Roll No: 20PST02) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

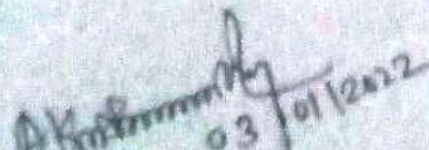



Signature of the HOD with date
Dr.R.Lakshmi., M.E., Ph.D
Professor and Head
Department of Civil Engineering
Kamaraj College of Engineering &
Technology,
Virudhunagar.



Signature of the Supervisor with date
Mrs.S.Thahira Banu, M.E.,(Ph.D).,
Assistant Professor
Department of Civil Engineering
Kamaraj College of Engineering &
Technology,
Virudhunagar.

Submitted for Viva-Voce examination of ST1322 - Project work (Phase I) held at
Kamaraj College of Engineering and Technology on 03/01/2022


INTERNAL EXAMINER
03/01/2022


EXTERNAL EXAMINER
27/1/22

**STRENGTH AND DURABILITY STUDY OF
QUATERNARY BLENDED CEMENT CONCRETE
ACCOMPANIED BY GLASS FIBER**

PHASE I REPORT

Submitted by

B.KARTHICK RAJAN
(Reg No: 920420PST03)

In partial fulfillment for the award of the degree of

**MASTER OF ENGINEERING IN
STRUCTURAL ENGINEERING**



KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY,

(An Autonomous Institution)

VIRUDHUNAGAR

JANUARY 2022

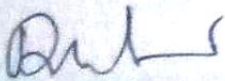
KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution)

VIRUDHUNAGAR

BONAFIDE CERTIFICATE

Certified that this Report titled "Strength and Durability Study of Quaternary Blended Cement Concrete accompanied by Glass Fibre" is the bonafide work of B.KARTHICK RAJAN (920420PST03) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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

Professor and Head

Department of Civil Engineering

Kamaraj College of Engineering &

Technology,

Virudhunagar.



Mr.D.VELUMANI M.E, (Ph.D)

Assistant Professor

Department of Civil Engineering

Kamaraj College of Engineering &

Technology,

Virudhunagar.

Submitted for Viva-Voce examination of ST1322 – Project Work (Phase I) held at Kamaraj College of Engineering and Technology on 3.1.2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

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

ST-1322-PROJECT-PHASE I REPORT

Submitted by

VIJAYA LAKSHMI K

in partial fulfillment for the award of the degree of

**MASTER OF ENGINEERING IN
STRUCTURAL ENGINEERING**



KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY,

(An Autonomous Institution)

VIRUDHUNAGAR,

JANUARY- 2022

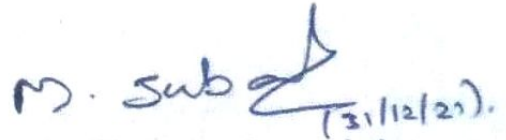
**KAMARAJ COLLEGE OF ENGINEERING &
TECHNOLOGY
(An Autonomous Institution)
VIRUDHUNAGAR**

BONAFIDE CERTIFICATE

Certified that this Report titled "MECHANICAL PERFORMANCE AND DURABILITY STUDY OF ALKALI ACTIVATED BENDABLE CONCRETE" is the bonafide work of K. VIJAYA LAKSHMI (Roll No: 20PST04) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

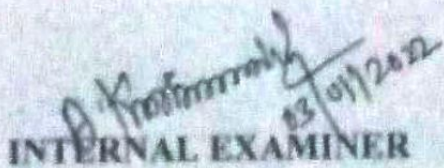


Signature of the HOD with date
Dr.R.Lakshmi., M.E., Ph.D
Professor and Head
Department of Civil Engineering
Kamaraj College of Engineering &
Technology,
Virudhunagar.

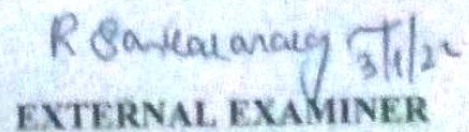


Signature of the Supervisor with date
Mr.M.Subahar., M.E.,(Ph.D).,
Assistant Professor
Department of Civil Engineering
Kamaraj College of Engineering &
Technology,
Virudhunagar.

Submitted for Viva-Voce examination of ST1322 - Project work (Phase I) held at
Kamaraj College of Engineering and Technology on 31/12/2022.



INTERNAL EXAMINER



EXTERNAL EXAMINER