

**ASSESSMENT OF GROUNDWATER QUALITY NEAR SEA
SHORE AREA IN AGASTHEESWARAM TALUK AND
RADHAPURAM TALUK**

A PROJECT REPORT

Submitted by

SWETHA. S

SWEETY. R

SARANYA.P

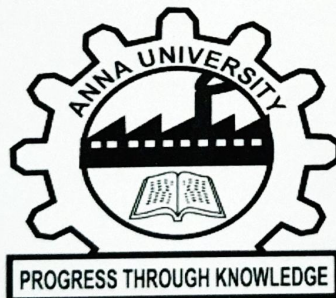
in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

APRIL/MAY 2024

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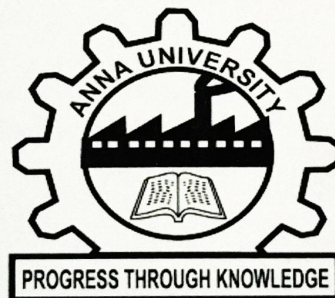
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PALKULAM, KANYAKUMARI DISTRICT

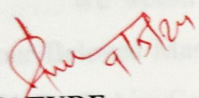
ANNA UNIVERSITY: CHENNAI 600 025

APRIL/MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project "ASSESSMENT OF GROUNDWATER QUALITY IN SEA SHORE AREAS IN AGASTHEESWARAM TALUK AND RADHAPURAM TALUK" is the "S.SWETHA [963320103110], R.SWEETY [963320103109], P.SARANYA [963320103084]" who carried out the project work under my supervision.


SIGNATURE

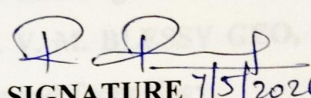
Dr. J. SAHAYA RUBEN, M.E., Ph.D

HEAD OF THE DEPARTMENT

Department of Civil Engineering

Rohini college of Engineering

&Technology


SIGNATURE 7/5/2024

Mrs. R. RENO INFANTO, M.E.,

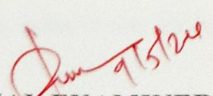
SUPERVISOR

Department of Civil Engineering

Rohini college of Engineering

&Technology

Submitted for the Project viva-voice Examination held on...09.05.2024


INTERNAL EXAMINER


EXTERNAL EXAMINER

**EXPERIMENTAL STUDY ON TREATMENT OF
DOMESTIC WASTE WATER USING NATURAL
COAGULANTS**

A PROJECT REPORT

Submitted by

SUBIKSHA P	963320103106
VANMATHI R	963320103113
VIJITHA M	963320103121
SUGASHINI S	963320103311

In partial fulfillment for the award of the degree

of

BACHELOR ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

PALKULAM, KANNIYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY - 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report of “**EXPERIMENTAL STUDY ON TREATMENT OF DOMESTIC WASTE WATER USING NATURAL COAGULANTS**” is the bonafide work of, **SUBIKSHA P (963320103106), VANMATHI R (963320103113), VIJITHA M (963320103121) & SUGASHINI (963320103311)** who carried out work under my supervision.


SIGNATURE

Dr. J.SAHAYA RUBEN, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Department of Civil Engineering
Rohini college of Engineering
& Technology, Palkulam
Kanyakumari District,
Tamil Nadu.

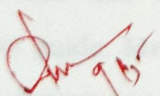

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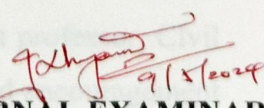
Mr.R .Xavier, M.E.,

SUPERVISOR

Department of Civil Engineering
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& Technology, Palkulam
Kanyakumari District,
Tamil Nadu.

Submitted for the project viva-voice held on 09-05-2024


INTERNAL EXAMINER


EXTERNAL EXAMINAR

HIGH STRENGTH CONCRETE BY HEMP FIBER
A PROJECT REPORT

Submitted By

SAKTHIVEL R.	963320103080
SUBASH S.	963320103310
SUNIL KUMAR V.	963320103108
VARUN VELAN C.	963320103115

in partial fulfillment for the award of the degree
of
BACHELOR OF ENGINEERING
IN
DEPARTMENT OF CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

(An institution affiliated to Anna University, Chennai)

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report of "HIGH STRENGTH CONCRETE BY HEMP FIBER" is the bonafide work of, R. SAKTHIVEL, S. SUBASH, V. SUNIL KUMAR, C. VARUN VELAN, who carried out work under my supervision.

SIGNATURE

Dr. J. SAHAYA RUBEN, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Department of Civil Engineering

Rohini College of Engineering

Technology, palkulam

Kanyakumari District

Tamil Nadu

SIGNATURE

Mr. A. ANANTH, M.E.,

SUPERVISOR

Department of Civil Engineering

Rohini College of Engineering

Technology, palkulam

Kanyakumari District

Tamil Nadu

Submitted for the Project viva-voice examination held on... 09/05/2024

INTERNAL EXAMINER

EXTERNAL EXAMINER

**EXPERIMENTAL STUDY ON THE PROPERTIES
OF
CONCRETE WITH REPLACEMENT OF
COCONUT SHELL
AS COARSE AGGREGATE**

A PROJECT REPORT

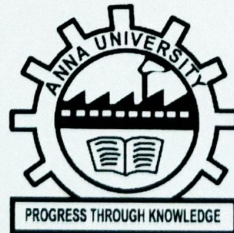
Submitted by

J. VIJAY	963320103120
E. SRIRAM	963320103103
B. SIVARAMAN	963320103099
A. SATHIYA SEELAN	963320103085

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

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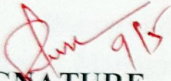
ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

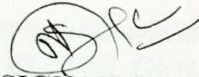
BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL STUDY ON THE PROPERTIES OF CONCRETE WITH REPLACEMENT OF COCONUT SHELL AS COARSE AGGREGATE" is the Bonafide work of E. SRIRAM, J. VIJAY, A. SATHIYA SEELAN, B. SIVARAMAN who carried out the project under my supervision.



SIGNATURE

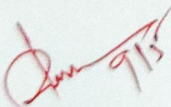
Dr.J.SAHAYA RUBEN,M.E,Ph.D.,
HEAD OF THE DEPARTMENT
Department of Civil Engineering
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Technology, Palkulam
Kanyakumari District
Tamil Nadu.



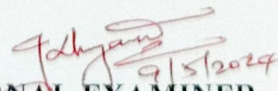
SIGNATURE

Dr.N.Suthan Kumar,M.E,Ph. D.,
ASSOCIATE PROFESSOR
Department of Civil Engineering
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And Technology, Palkulam
Kanyakumari District
Tamil Nadu.

Submitted for the Project viva-voice Examination held
on ... 09-05-24 ...



INTERNAL EXAMINER



EXTERNAL EXAMINER

**ASSESSMENT OF GROUNDWATER QUALITY NEAR SEA
SHORE AREA IN AGASTHEESWARAM TALUK AND
RADHAPURAM TALUK**

A PROJECT REPORT

Submitted by

SARANYA.P

SWEETY. R

SWETHA. S

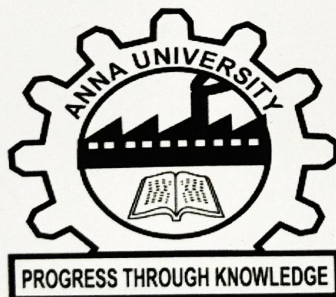
in partial fulfilment for the award of the degree

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BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

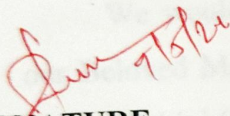
ANNA UNIVERSITY: CHENNAI 600 025

APRIL/MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project "ASSESSMENT OF GROUNDWATER QUALITY IN SEA SHORE AREAS IN AGASTHEESWARAM TALUK AND RADHAPURAM TALUK" is the "P.SARANYA [963320103084], R.SWEETY [963320103109], S.SWETHA [963320103110], " who carried out the project work under my supervision.

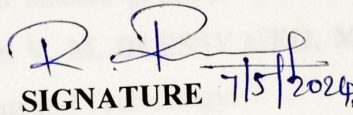


SIGNATURE

Dr. J. SAHAYA RUBEN, M.E., Ph.D

HEAD OF THE DEPARTMENT

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Rohini college of Engineering
&Technology



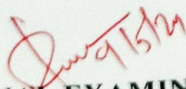
SIGNATURE

Mrs. R. RENO INFANTO, M.E.,

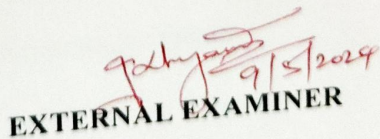
SUPERVISOR

Department of Civil Engineering
Rohini college of Engineering
&Technology

Submitted for the Project viva-voice Examination held on...9.5.2024...



INTERNAL EXAMINER



EXTERNAL EXAMINER

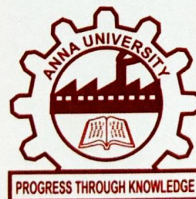
**EXPERIMENTAL STUDY THE EFFECT OF
POLYPROPYLENE FIBER AS AN ADDITIONAL
MATERIAL IN CONCRETE
PROJECT REPORT**

Submitted By

ASWIN.V	963320103305
SHIBIN.G	963320103095
SABASHIN.T	963320103308
SAKTHIVEL.P	963320103079

*in partial fulfilment for the award of the degree
of*

**BACHELOR OF ENGINEERING
in
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**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY
PALKULAM ,KANYAKUMRI DISTRICT
ANNA UNIVERSITY : CHENNAI 600 025**

MAY - 2024

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **“STUDY THE EFFECT OF POLYPROPYLENE FIBER AS AN ADDITIONAL MATERIAL IN CONCRETE”** the bonafide work of **ASWIN.V, SHIBIN.G, SABASHIN.T, SAKTHIVEL.P** who carried out the project work under my supervision.

SIGNATURE

Dr.J.SAHAYA RUBEN ,ME.,PhD

HEAD OF THE DEPARTMENT

Department of Civil Engineering
Rohini college of Engineering &
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SIGNATURE

Prof. K.AJAN ,M.E

SUPERVISOR

ASSISTANT PROFESSOR
Department of Civil Engineering
Rohini college of Engineering &
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Submitted for the Project Viva-Voice Examination held on 9/5/24

INTERNAL EXAMINER

EXTERNAL EXAMINER

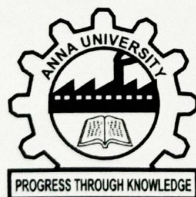
**EXPERIMENTAL AND INVESTIGATION OF
GEOPOLYMER CONCRETE
PROJECT REPORT**

Submitted By

SANJAI KANNAN.P	963320103081
RAKSHANTH.R	963320103076
VETHA SUBIN.S	963320103118
REJIN.R	963320103077

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

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**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY
PALKULAM, KANYAKUMRI DISTRICT
ANNA UNIVERSITY : CHENNAI 600 025**

MAY - 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL AND INVESTIGATION OF GEOPOLYMER CONCRETE" the Bonafide of SANJAI KANNAN .P, RAKSHANTH .R, VETHA SUBIN .S, REJIN.R who carried out the project under my supervision


SIGNATURE

DR.J.SAHAYA RUBEN, M.E,Ph.D.,
HEAD OF THE DEPARTMENT
Department Of Civil Engineering
Rohini College of Engineering &
Technology,
Palkulam, Kanyakumari

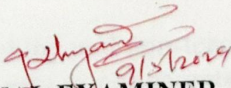

SIGNATURE

Prof. R.XAVIER, M.E.,
ASSISTANT PROFESSOR
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Rohini College of Engineering &
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Palkulam, Kanyakumari

Submitted for the Project viva-voice Examination held on

9/5/24


INTERNAL EXAMINER


EXTERNAL EXAMINER

**PERFORMANCE STUDY ON STRENGTH OF SELF-
COMPACTING CONCRETE USING SILICA FUME
AND GGBS AS A PARTIAL REPLACEMENT OF
CEMENT**

A PROJECT REPORT

Submitted by

PRASANNA.T. J

SHANKY. J

SHEEBA. A

SHAHEENA.U

in partial fulfilment for the award of the

degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

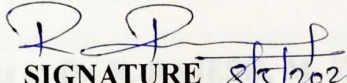
Certified that this project report "PERFORMANCE STUDY ON STRENGTH OF SELF-COMPACTING CONCRETE USING SILICA FUME AND GGBS AS A PARTIAL REPLACEMENT OF CEMENT" is the Bonafide work T.J. PRASANNA (963320103068), J. SHANKY (963320103091), A. SHEEBA (963320103093), SHAHEENA.U (963320103088) who carried out the project work under my supervision.


SIGNATURE

Dr. J. SAHAYA RUBEN, M.E., Ph. D.,

HEAD OF THE DEPARTMENT

Department of Civil Engineering
Rohini College of Engineering and
Technology, Palkulam.
Tamil Nadu.


SIGNATURE 8/5/2024.

Prof. R. RENO INFANTO, M. E.,

SUPERVISOR

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Tamil Nadu.

Submitted for the Project work Viva-Voice Examination held on 9/5/24.


Internal Examiner


External Examiner

**EXPERIMENTAL STUDY ON PARTIAL
REPLACEMENT OF CEMENT WITH COCONUT
SHELL ASH IN CONCRETE**

A PROJECT REPORT

Submitted by

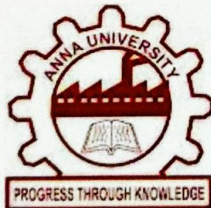
SIVASAKTHI.N	963320103101
UMASAKTHI.S	963320103111
VIJAYA JOTHI.B	963320103119
VINOTHA.P	963320103122

In partial fulfillment for the award of the degree of

BACHELOR ENGINEERING

in

CIVIL ENGINEERING



**ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY
PALKULAM, KANNIYAKUMARI DISTRICT**

ANNA UNIVERSITY: CHENNAI 600 025

MAY: 2024

ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report of “**EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF CEMENT WITH COCONUT SHELL ASH IN CONCRETE**” is the bonafide work of, **SIVASAKTHI N, UMASAKTHI S, VIJAYA JOTHI B & VINOTHA P** who carried out work under my supervision.

Dr. J. Sahaya Ruben
9/15/24

SIGNATURE

Dr. J .SAHAYA RUBEN ,M.E.,Ph.D.,

Mr. R. Xavier

SIGNATURE

Mr.R. XAVIER,M.E

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SUPERVISOR

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Kanniyakumari District
Tamil Nadu.

Submitted for the project viva-voice examination held on ...9.05.2024..

Dr. J. Sahaya Ruben
9/15/24

INTERNAL EXAMINER

Mr. R. Xavier
9/15/2024

EXTERNAL EXAMINAR

**EXPERIMENTAL INVESTIGATION OF
REINFORCED THERMOCOL PANELS AS AN
ALTERNATE BUILDING MATERIAL**

A PROJECT REPORT

Submitted by

T.PONREJITHA

963320103065

E.G.RAJA LEKSHMI

963320103074

T.SHAMINI

963320103090

R.PRINCY

963320103071

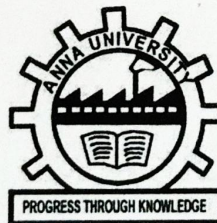
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this report titled “**EXPERIMENTAL INVESTIGATION OF REINFORCED THERMOCOL PANELS AS AN ALTERNATE BUILDING MATERIAL**” is the bonafide work of “**T. PONREJITHA, R. PRINCY, T. SHAMINI, E.G. RAJA LEKSHMI**” who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported here in does not from part of any other thesis or dissertation on the basics of which a degree or award was conferred on an earlier occasion on this or any other candidate.

SIGNATURE

Dr.J.SAHAYA RUBEN.,ME,Ph.D
HEAD OF THE DEPARTMENT
Department of Civil Engineering
Rohini College of Engineering
And Technology
Palkulam, Kanyakumari
Tamil Nadu .

SIGNATURE

Mr.B. EASVARA THAYABALAN.,ME
SUPERVISOR
Department of Civil Engineering
Rohini College of Engineering
And Technology
Palkulam, Kanyakumari
Tamil Nadu.

Submitted for the project Viva - voice Examination held on 09-05-2024

Internal Examiner

External Examiner

**EXPERIMENTAL INVESTIGATION OF WATER
QUALITY THROUGH INDEX METHOD FOR
PAZHAYAR RIVER**

A PROJECT REPORT

Submitted by

ALFINA.M	963320103008
JENISHA.C	963320103036
KAROLIN.P	963320103042
MONICA MOL.M	963320103055

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

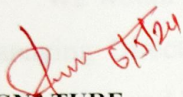
ANNA UNIVERSITY: CHENNAI 600 025

May 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**EXPERIMENTAL INVESTIGATION OF WATER QUALITY THROUGH INDEX METHOD FOR PAZHAYAR RIVER**" is the bonafide work of "**ALFINA.M, JENISHA.C, KAROLIN.P, MONICA MOL.M**" who carried out the project work under my supervision. Certified further, that to the best of my knowledge, the work reported here lies not from part of any other project or dissertation on the basics of which a degree or award was conferred on an earlier occasion on this or any other candidate

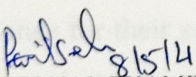

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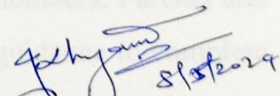
Dr.J.SAHAYA RUBEN, M.E, Ph.D.,
HEAD OF THE DEPARTMENT
Department of Civil Engineering
Rohini College of Engineering & Technology
Palkulam, Kanyakumari District
Tamil Nadu.


SIGNATURE

Dr.J.SAHAYA RUBEN, M.E, Ph.D.,
SUPERVISOR
Department of Civil Engineering
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Palkulam, Kanyakumri District
Tamil Nadu.

Submitted for the Design Project Viva-Voice Examination held on 8/5/2024


INTERNAL EXAMINER


EXTERNAL EXAMINER

**TRAFFIC MANAGEMENT STRATEGIES TO
REDUCE POLLUTION DURING PEAK & NON PEAK
HOURS IN NAGERCOIL TOWN
A PROJECT REPORT**

Submitted by

ABIYOUTH ALTRIN .T

96332010 3302

MUTHUKUMARAN .R

963320103057

AKASH XAVIER .L

963320103303

EDWIN SAM .E

963320103027

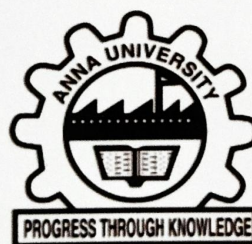
In partial fulfillment for the requirements of an award of the

Degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY : CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this Report titled "TRAFFIC MANAGEMENT STRATEGIES TO REDUCE POLLUTION DURING PEAK & NON PEAK HOURS IN NAGERCOIL TOWN" is the bonafide work of ABIYOUTH ALTRIN T (963320103302), MUTHUKUMARAN R (963320103057), AKASH XAVIER L (963320103303), EDWIN SAM E (963320103027) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in 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.


SIGNATRURE

Dr.J.Sahaya Ruben,M.E,Ph.D.,

Head of the Department

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Technology,
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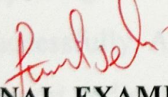

SIGNATRURE

Dr.M.Tamil Selvi,M.E,Ph.D.,

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Palkulam, Kanyakumari.

Submitted for the project University Examination held on 08/05/2024


INTERNAL EXAMINER


EXTERNAL EXAMINER

**COMPARATIVE ANALYSIS OF WATER DISTRIBUTION
NETWORK OF THIRUNELVELI
A PROJECT REPORT**

Submitted by

DEVIKA.A.P

963320103024

R.JAYA REMYA

963320103038

MELGIN.C.S

963320103053

M.MUTHU SARIHA

963320103059

In partial fulfillment for the award of the degree

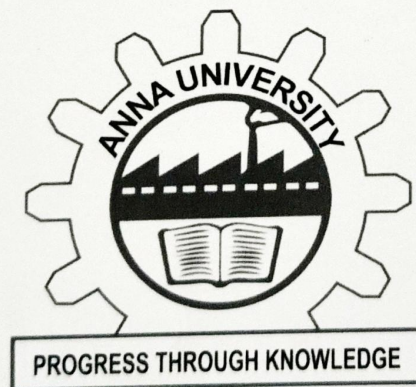
of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY
PALKULAM, KANYAKUMARI DISTRICT**



ANNA UNIVERSITY CHENNAI 600 025

MAY 2024

BONAFIED CERTIFICATE

Certified that this project report “ **COMPARATIVE ANALYSIS OF WATER DISTRIBUTION NETWORK OF TIRUNELVELI** ” is the bonafide work of **DEVIKA.A.P, JEYA REMYA.R, MELGIN.C.S, MUTHU SARIHA. M** who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported here in lies not from part of any other project or dissertation on the basics of which a degree or a ward was conferred on an earlier occasion on this or any other candidate.

SIGNATURE

Dr.J.SAHAYA RUBEN;M.E,Ph.D

HEAD OF THE DEPARTMENT

Department of Civil Engineering
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Palkulam, Kanyakumari District
TamilNadu

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Prof.L.HARI GOPALA KRISHNAN

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Palkulam, Kanyakumari District
TamilNadu

Submitted for the Design Project Viva-Voice Examination held on 8/05/2024

INTERNAL EXAMINAR

EXTERNAL EXAMINAR

**ECOLOGICAL BRICK BY USING WASTE PLASTIC
AND GLASS**

A PROJECT REPORT

Submitted by

ABANTHIKA.R	963320103001
AKSHAYA.KJ	963320103007
ESTHER RATHI.S	963320103028
BAVITHRA.S	963320103306

in partial fulfilment for the requirement of award of the degree

of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

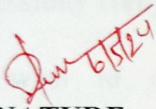
ANNA UNIVERSITY: CHENNAI 600 025

MAY – 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this report titled “**ECOLOGICAL BRICK BY USING WASTE PLASTIC AND GLASS**” is the bonafide work of **R.ABANTHIKA, K.J.AKSHAYA, S.ESTHER RATHI, S.BAVITHRA** who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reporter here in does not from part of any other thesis or dissertation on the basics of which a degree or award was conferred on an earlier occasion on this or any other candidate.



SIGNATURE



SIGNATURE

Dr. J. SAHAYA RUBEN., ME, Ph. D

Prof. Mrs. ASWINI. R. K

HEAD OF THE DEPARTMENT

SUPERVISOR

Department of Civil Engineering

Department of Civil Engineering

Rohini College of Engineering

Rohini College of Engineering

and Technology

and Technology

Palkulam, Kanyakumari

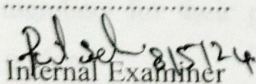
Palkulam, Kanyakumari

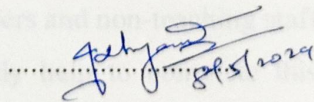
Tamil Nadu.

Tamil Nadu.

Submitted for the Experimental project Viva – voice Examination held on

08-05-2024


Internal Examiner


08.5/2024

External Examiner

**EXPERIMENTAL INVESTIGATION OF CONCRETE BY
PARTIAL REPLACEMENT OF CEMENT TO EGG
SHELL POWDER**

A PROJECT REPORT

Submitted by

ABISH KING. K 963320103003

AKHIN. C. R 963320103006

DURAI RAJ. P 963320103026

HARISH BABU. S 963320103032

in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING IN
CIVIL ENGINEERING**



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

ANNA UNIVERSITY, CHENNAI 600 025

MAY 2024

**EXPERIMENTAL INVESTIGATION OF CONCRETE BY
PARTIAL REPLACEMENT OF CEMENT TO EGG
SHELL POWDER**

A PROJECT REPORT

Submitted by

ABISH KING. K 963320103003

AKHIN. C. R 963320103006

DURAI RAJ. P 963320103026

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**BACHELOR OF ENGINEERING IN
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ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

ANNA UNIVERSITY, CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY, CHENNAI

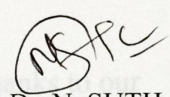
BONAFIDE CERTIFICATE

Certified that this Report titled “**EXPERIMENTAL INVESTIGATION OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT TO EGG SHELL**” is the bonafide work of “**ABISH KING, AKHIN, DURAI RAJ, HARISH BABU**” who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in 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.


Prof. Dr. J. SAHAYA RUBEN

HEAD OF THE DEPARTMENT

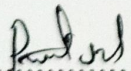
Department of Civil Engineering
Rohini College of Engineering &
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Tamil Nadu


Prof. Dr. N. SUTHAN KUMAR

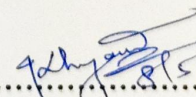
SUPERVISOR

Department of Civil Engineering
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Technology
Tamil Nadu

Submitted for the experimental project Viva – Voce Examination held on 8/5/2024


.....

INTERNAL EXAMINER


.....
8/5/2024

EXTERNAL EXAMINER

**EXPERIMENTAL INVESTIGATION PARTIAL
REPLACEMENT OF FINE AGGREGATE BY SEA
SAND IN CONCRETE**

A PROJECT REPORT

Submitted by

R. Dravid

N.S. Jaysurya

S. Muthamil Arasan

W. Antony Jeya Prasanth

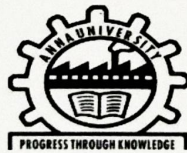
in partial fulfilment for the award of the

degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

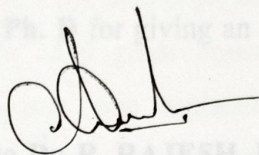
MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**EXPERIMENTAL INVESTIGATION PARTIAL REPLACEMENT OF FINE AGGREGATE BY SEA SAND IN CONCRETE**” R. Dravid (963320103025), N.S. Jaysurya (963320103035), S. Muthamil Arasan (963320103056), W. Antony Jeya Prasanth (963320103304) is the Bonafide work who carried out the project work under my supervision.

For feedback
SIGNATURE


SIGNATURE

Dr. J. SAHAYA RUBEN, M.E., Ph. D.,
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Submitted for the Project Work Viva-Voice Examination held on ..8.15.2024

Rubel 8/15/24
Internal Examiner

J. Ananth 8/15/2024
External Examiner

STUDIES OF PARKING FACILITY IN KANAYAKUMARI

A PROJECT REPORT

Submitted by

AJITH R	963320103004
BARATH S	963320103021
MANOJ R	963320103051
NANDALAL S	963320103061

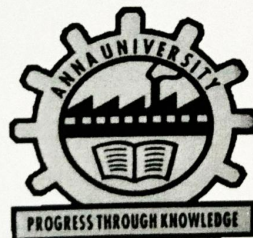
In partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY:: CHENNAI 600 025

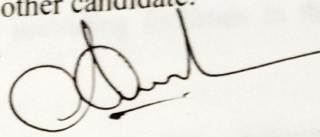
MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report titled "STUDIES OF PARKING FACILITY IN KANAYAKUMARI " is the bonafide work of MANOJ R (963320103051), who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in 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.

For



SIGNATURE

Mr. L. Hari Gopala Krishnan, M. Tech

Supervisor

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For

SIGNATURE

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Head of the Department

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Submitted for the project University Examination held on 08/05/2024

For
8/5/24

INTERNAL EXAMINER

For
8/5/24

EXTERNAL EXAMINER

**EXPERIMENTAL INVESTIGATION ON SOIL
STABILIZATION BY USING PLASTIC**

A PROJECT REPORT

Submitted by

Y.BELINDA	963320103022
V.BENSHA	963320103023
E.KARTHIKA	923320103043
S.MARIYAMMAL	963320103052

in partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

IN

DEPARTMENT OF CIVIL ENGINEERING



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PALKULAM, KANYAKUMARI-629 401

ANNA UNIVERSITY : CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this report titled “EXPERIMENTAL INVESTIGATION ON SOIL STABILIZATION BY ADDING PLASTIC MATERIAL” is the bonafide work of S.MARIYAMMAL (963320103052) who carried out the work under our supervision.


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Dr.SAHAYA RUBEN M.E.,Ph.D
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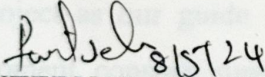

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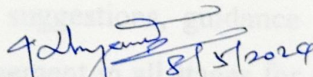
Mr.B.EASVARATHAYABALAN M.E
SUPERVISOR
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Rohini college of Engineering
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Palkulam , Kanyakumari

Submitted for the Creative and Innovative Project Viva-Vioce Examination held on 08/05/2024


INTERNAL EXAMINAR


EXTERNAL EXAMINAR

**EXPERIMENTAL STUDY ON TREATMENT OF
DOMESTIC WASTE WATER USING NATURAL
COAGULANTS**

A PROJECT REPORT

Submitted by

SUBIKSHA P	963320103106
VANMATHI R	963320103113
VIJITHA M	963320103121
SUGASHINI S	963320103311

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

BACHELOR ENGINEERING

IN

CIVIL ENGINEERING



**ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY
PALKULAM, KANNIYAKUMARI DISTRICT**

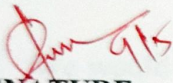
ANNA UNIVERSITY: CHENNAI 600 025

MAY - 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report of “**EXPERIMENTAL STUDY ON TREATMENT OF DOMESTIC WASTE WATER USING NATURAL COAGULANTS**” is the bonafide work of, **SUBIKSHA P (963320103106), VANMATHI R (963320103113), VIJITHA M (963320103121) & SUGASHINI (963320103311)** who carried out work under my supervision.



SIGNATURE

Dr. J.SAHAYA RUBEN, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

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Rohini college of Engineering
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Kanyakumari District,
Tamil Nadu.



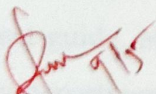
SIGNATURE

Mr.R .Xavier, M.E.,

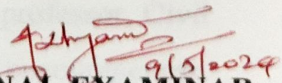
SUPERVISOR

Department of Civil Engineering
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& Technology, Palkulam
Kanyakumari District,
Tamil Nadu.

Submitted for the project viva-voice held on 09-05-2024



INTERNAL EXAMINER



EXTERNAL EXAMINAR

**EXPERIMENTAL STUDY ON PARTIAL
REPLACEMENT OF CEMENT WITH COCONUT
SHELL ASH IN CONCRETE**

A PROJECT REPORT

Submitted by

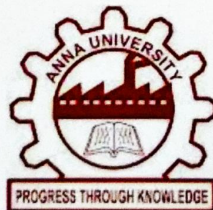
SIVASAKTHI.N	963320103101
UMASAKTHI.S	963320103111
VIJAYA JOTHI.B	963320103119
VINOTHA.P	963320103122

In partial fulfillment for the award of the degree of

BACHELOR ENGINEERING

in

CIVIL ENGINEERING



**ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY
PALKULAM, KANNIYAKUMARI DISTRICT**

ANNA UNIVERSITY: CHENNAI 600 025

MAY: 2024

ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report of “**EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF CEMENT WITH COCONUT SHELL ASH IN CONCRETE**” is the bonafide work of, **SIVASAKTHI N, UMASAKTHI S, VIJAYA JOTHI B & VINOETHA P** who carried out work under my supervision.


SIGNATURE

Dr. J .SAHAYA RUBEN ,M.E.,Ph.D.,

HEAD OF THE DEPARTMENT

Department of Civil Engineering
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Technology, Palkulam
Kanniyakumari District
Tamil Nadu.


SIGNATURE

Mr.R. XAVIER,M.E

SUPERVISOR

Department of Civil Engineering
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Kanniyakumari District
Tamil Nadu.

Submitted for the project viva-voice examination held on9.05.2024


INTERNAL EXAMINER


EXTERNAL EXAMINAR

**EXPERIMENTAL INVESTIGATION OF WATER QUALITY
PARAMETERS OF SELECTED VILLAGES IN KALKULAM
TALUK IN KANYAKUMARI DISTRICT**

A PROJECT REPORT

Submitted by

ANUJA. L 963320103011

ANUPRIYA. R 963320103012

ANUSHYA. A 963320103015

ATHEENA. L. V 963320103020

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

ANNA UNIVERSITY, CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this Report titled “**EXPERIMENTAL INVESTIGATION OF WATER QUALITY PARAMETERS OF SELECTED VILLAGES IN KALKULAM TALUK IN KANYAKUMARI DISTRICT**” is the bonafide work of “**ANUJA, ANUPRIYA, ANUSHYA, ATHEENA**” who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in 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.


Prof. Dr. J. SAHAYA RUBEN

HEAD OF THE DEPARTMENT

Department of Civil Engineering

Rohini College of Engineering &

Technology

Tamil Nadu


Prof. Dr. M. TAMIL SELVI

SUPERVISOR

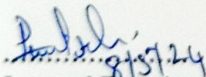
Department of Civil Engineering

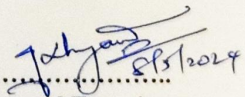
Rohini College of Engineering &

Technology

Tamil Nadu

Submitted for the experimental project Viva – Voce Examination held on 08/05/2024


Internal Examiner


External Examiner

**STUDY AND PERFORMANCE OF SOIL STABILIZATION
USING BLAST FURNANCE SLAG FOR LOW BEARING
SOIL**

A PROJECT REPORT

Submitted by

ANUSAKTHI S	963320103013
HEMA T	963320103033
LIGITHA G	963320103048
AARTHY NK	963320103301

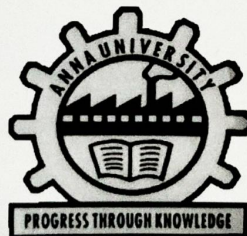
in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

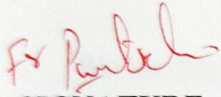
ANNA UNIVERSITY::CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**STUDY AND PERFORMANCE OF SOIL STABILIZATION USING BLAST FURNANCE SLAG FOR USING LOW BEARING SOIL**”in the bonafide work of “**S.ANUSAKTHI[963320103013], T.HEMA[963320103033], G.LIGITHA [963320103048], AARTHY.N.K[963320103301]**” who carried out the project work under my supervision.



SIGNATURE

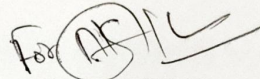
Prof. Dr.J.SAHAYA RUBEN,M.E. Phd.

HEAD OF THE DEPARTMENT

Department of Civil Engineering

Rohini College Of Engineering
And Technology,

Palkulam, Kanyakumari.



SIGNATURE

Mr.R.RAJIV GANDHI

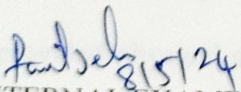
SUPERVISOR

Department Of Civil Engineering

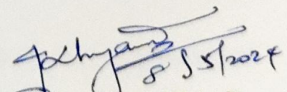
Rohini College Of Engineering
And Technology,

Palkulam, Kanyakumari.

Submitted for the Creative and Innovative Project Viva-Voice Examination held on...08/05/2024



INTERNAL EXAMINER



EXTERNAL EXAMINAR

**EXPERIMENTAL INVESTIGATION ON STRENGTH
OF CONCRETE ON PARTIAL REPLACEMENT OF
CEMENT BY TITANIUM DIOXIDE SLUDGE**

A PROJECT REPORT

Submitted by

KARAN T - 963320103041

GODWIN JOE S - 963320103031

MUTHU KUMAR I - 963320103058

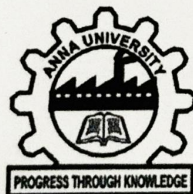
In partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

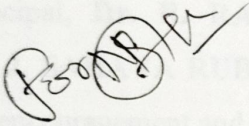
ANNA UNIVERSITY, CHENNAI 600025

MAY 2024

ANNA UNIVERSITY, CHENNAI 600025

BONAFIDE CERTIFICATE

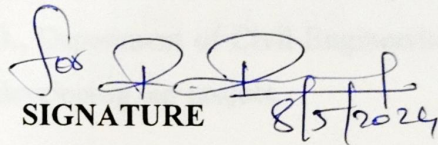
Certified that this project report titled "EXPERIMENTAL INVESTIGATION ON STRENGTH OF CONCRETE ON PARTIAL REPLACEMENT OF CEMENT BY TITANIUM DIOXIDE SLUDGE" is the bonofide work of KARAN. T (963320103041), GODWIN JOE. S (963320103031) and MUTHU KUMAR. I (963320103058) who carried out the project under my supervision.



SIGNATURE

DR. SAHAYA RUBEN, M.E., PH.D.,
Head of the department

Department of Civil Engineering,
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Technology,
Palkulam, Kanyakumari District.

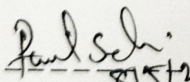


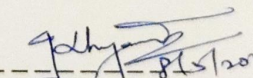
SIGNATURE

MR. MICHEAL THEIVADURAI. G, M.E.,
supervisor, Assistant Professor

Department of Civil Engineering,
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Palkulam, Kanyakumari District.

Submitted for the project viva-voice examination held on 08/05/2024


8/5/24
Internal Examiner


8/5/2024
External Examiner

EXPERIMENTAL INVESTIGATION ON STRENGTH OF CONCRETE ON PARTIAL REPLACEMENT OF CEMENT BY TITANIUM DIOXIDE SLUDGE

A PROJECT REPORT

Submitted by

KARAN T - 963320103041
GODWIN JOE S - 963320103031
MUTHU KUMAR I - 963320103058

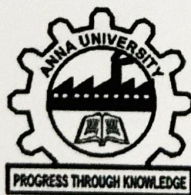
In partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

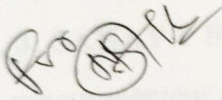
ANNA UNIVERSITY, CHENNAI 600025

MAY 2024

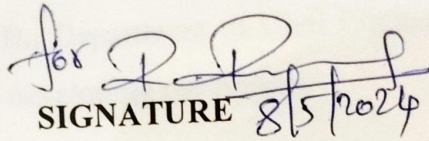
ANNA UNIVERSITY, CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report titled "EXPERIMENTAL INVESTIGATION ON STRENGTH OF CONCRETE ON PARTIAL REPLACEMENT OF CEMENT BY TITANIUM DIOXIDE SLUDGE" is the bonofide work of KARAN. T (963320103041), GODWIN JOE. S (963320103031) and MUTHU KUMAR. I (963320103058) who carried out the project under my supervision.



SIGNATURE



SIGNATURE 8/5/2024

DR. SAHAYA RUBEN, M.E., PH.D.,

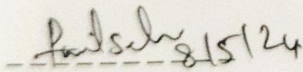
Head of the department

Department of Civil Engineering,
Rohini College of Engineering &
Technology,
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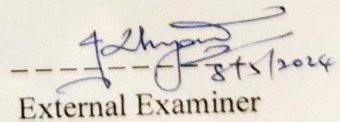
MR. MICHEAL THEIVADURAI. G, M.E.,
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Submitted for the project viva-voice examination held on 08/05/2024.



Internal Examiner



External Examiner

INFILTRATION RATE STUDY OF PERVIOUS
CONCRETE WITH AND WITHOUT STEEL LATHE

A PROJECT REPORT

Submitted By

PRAVINA.R	963320103069
SUJITHRA.R	963320103107
SHERIN.S	963320103094

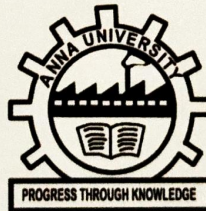
in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

INFILTRATION RATE STUDY OF PERVIOUS
CONCRETE WITH AND WITHOUT STEEL LATHE

A PROJECT REPORT

Submitted By

PRAVINA.R	963320103069
SUJITHRA.R	963320103107
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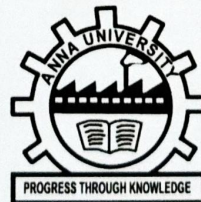
in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "INFILTRATION RATE STUDY OF PERVIOUS CONCRETE WITH AND WITHOUT STEEL LATHE" is the Bonafide work R.PRAVINA(963320103069), R.SUJITHRA (963320103107), S.SHERIN (963320103094) who carried out the project work under my supervision.


SIGNATURE

Dr. J. SAHAYA RUBEN, M.E., Ph. D.,

HEAD OF THE DEPARTMENT

Department of Civil Engineering
Rohini College of Engineering and
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Tamil Nadu.


SIGNATURE

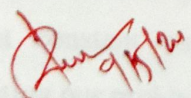
Prof. R. RENO INFANTO, M. E.,

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Technology, Palkulam.

Tamil Nadu.

Submitted for the Project Viva-Voice Examination held on 09.05.2024


Internal Examiner


External Examiner

**QUALITATIVE ANALYSIS OF DRINKING WATER IN
THOVALAI TALUK**

PROJECT REPORT

Submitted by

SUBHA.G	963320103104
NELOFER.B	963320103062
NIBIYA.K	963320103063
NIVETHA.S	963320103064

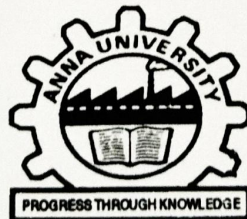
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



**ROHINI COLLEGE OF ENGINEERING AND
TECHNOLOGY**

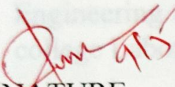
PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

BONAFIDE CERTIFICATE

Certified that this project report "QUALITATIVE ANALYSIS OF DRINKING WATER IN THOVALAI TALUK" is the bonafide work of "SUBHA.G, NELOFER.B, NIBIYA.K, NIVETHA.S" who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported here in lies not from part of any other project or dissertation on the basics of which a degree or award was conferred on an earlier occasion on this or any other candidate.


SIGNATURE

Dr. J. SAHAYA RUBEN; M.E, Ph. D.,

HEAD OF THE DEPARTMENT

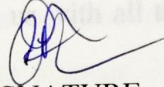
Department of Civil Engineering

Rohini College of Engineering

and Technology.

Palkulam, Kanyakumari District

Tamil Nadu.


SIGNATURE

Prof. K. Ajan, ME.,

SUPERVISOR

Department of Civil Engineering

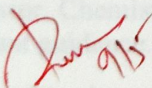
Rohini College of Engineering

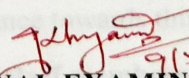
and Technology.

Palkulam, Kanyakumari District

Tamil Nadu.

Submitted for the project Viva-Voice Examination held on 09/05/2024


INTERNAL EXAMINER


EXTERNAL EXAMINER

**EXCESSIVE WATER REDUCTION
METHOD IN AGRICULTURAL FIELD
A PROJECT REPORT**

Submitted by

PREETHIKA R

SHARMI PAVITHRA P

VAISHNAVI P

RAJKUMAR KRISHNANANDA SINGH

963320103070

963320103092

963320103112

963320103075

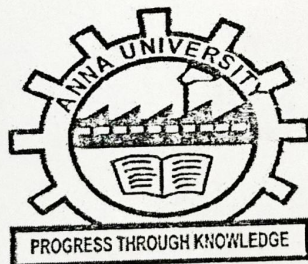
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

In

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PAULKULAM, KANYAKUMARI DISTRICT

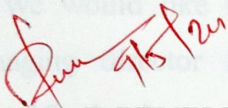
ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

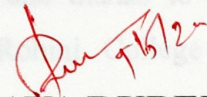
Certified that this project report **“EXCESSIVE WATER REDUCTION METHOD IN AGRICULTURAL FIELD”** is the bonafide work of **“PREETHIKA R, SHARMI PAVITHRA P, VAISHNAVI P, RAJKUMAR KRISHNANANDA SINGH”** who carried out the project work under my supervision.


9/15/2024

Dr.J.SAHAYA RUBEN

HEAD OF THE DEPARTMENT

Department of Civil Engineering
Rohini college of engg & technology
Paulkulam ,Kanyakumari District

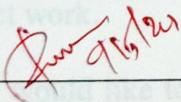

9/15/2024

Dr.J.SAHAYA RUBEN

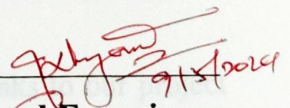
SUPERVISOR

Department of Civil Engineering
Rohini college of engg & technology
Paulkulam, Kanyakumari District

Submitted for the design project viva – voce Examination held on 9/15/2024


9/15/2024

Internal Examiner


9/15/2024

External Examiner

**EXPERIMENTAL INVESTIGATION OF CONCRETE
USING PALM FLOWER ASH AS A
PARTIALREPLACEMENT OF CEMENT**

A PROJECT REPORT

Submitted by

VEMBARASIS	963320103117
SHINDHUJA.R	963320103097
SAHAYA JEBA.V	963320103078

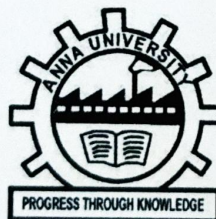
In partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING



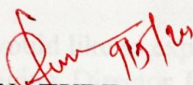
**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY
PALKULAM, KANYAKUMARI DISTRICT
ANNA UNIVERSITY: CHENNAI 600 025**

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

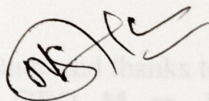
Certified that this project report “**EXPERIMENTAL INVESTIGATION OF CONCRETE USING PALM FLOWER ASH AS A PARTIAL REPLACEMENT OF CEMENT**” is the Bonafide work of **S.VEMBARASI,R.SINDHUJA,V.SAHAYA JEBA** who carried out the project under my supervision.



SIGNATURE

Dr.J.Sahaya Ruben,M.E,Ph.D.,
HEAD OF THE DEPARTMENT

Department Of Civil Engineering
Rohini College of Engineering &
Technology,
Palkulam, Kanyakumari



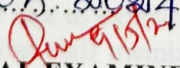
SIGNATURE

Dr.N.Suthankumar,M.E,PhD.,
ASSOCIATE PROFESOR

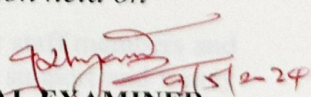
Department Civil Engineering
Rohini College of Engineering &
Technology,
Palkulam, Kanyakumari

Submitted for the Project viva-voice Examination held on

..... **9.05.2024**



INTERNAL EXAMINER



EXTERNAL EXAMINER

**EXPERIMENTAL INVESTIGATION OF SUGARCANE
BAGASSE ASH AND POLYPROPYLENE FIBRE (PPF) AS
PARTIAL REPLACEMENT OF CEMENT**

A PROJECT REPORT

Submitted by

SANTHOSH JENIFER. A

SEMIYA ROSE. J

RAGAVI. R

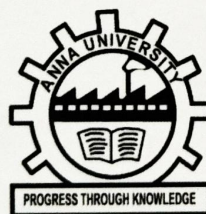
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

(An institution affiliated to Anna University, Chennai)

PALKULAM, KANYAKUMARI DISTRICT

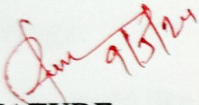
ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**EXPERIMENTAL INVESTIGATION OF SUGARCANE BAGASSE ASH AND POLYPROPYLENE FIBRE (PPF) AS PARTIAL REPLACEMENT OF CEMENT**” is the Bonafide work of **A. SANTHOSH JENIFER, R. RAGAVI, J. SEMIYA ROSE** who carried out the project under my supervision.

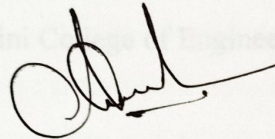


SIGNATURE

Dr. J. SAHAYA RUBEN, M. E., Ph. D.,

HEAD OF THE DEPARTMENT

Department Of Civil Engineering
Rohini College of Engineering and
Technology, Palkulam
Kanyakumari District
Tamil Nadu.



SIGNATURE

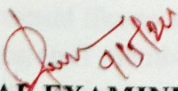
Mr. A. ANANTH, M. E.,

SUPERVISOR (Assistant Professor)

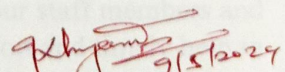
Department of Civil Engineering
Rohini College of Engineering and
Technology, Palkulam
Kanyakumari District
Tamil Nadu.

Submitted for the Project viva-voice Examination held on

... 9.05.2024



INTERNAL EXAMINER



EXTERNAL EXAMINER

**EXPERIMENTAL INVESTIGATION ON PARTIAL
REPLACEMENT OF BASALT FIBRE BY USING
FINEAGGREATE**

A PROJECT REPORT

Submitted by

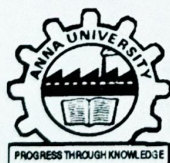
L.I.SHOWMIYA	963320103096
V.SUBHASHINI	963320103105
M.VELAM	963320103116
G.PRIYA DHARSHINI	963320103072

In Partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVILENGINEERING



**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY
PALKULAM , KANYAKUMARI DISTRICT**

ANNA UNIVERSITY CHENNAI 600025

MAY 2024

ANNA UNIVERSITY CHENNAI 600025

BONAFIDECERTIFICATE

Certified that this project report "EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF BASALT FIBRE BY USING FINEAGGREGATE" is bonafide work of L.I.SHOWMIYA (963320103096), V.SUBHASHINI (963320103105), M.VELAM (963320103116), G.PRIYADHARSHINI (963320103072)


SIGNATURE

Dr.J.SHAYARUBEN,M.E.,Ph.D.,

Head of the department

Department of civil Engineering

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SIGNATURE

Dr.J.SAHAYA RUBEN,M.E.,Ph.D.,

Supervisor

Department of civil Engineering

Rohini College of Engineering and

Technology Palkulam, kanyakumari

Submitted for the project University Examination held on 09-05-2024


INTERNALEXAMINER


EXTERNALEXAMINER

**EXPERIMENTAL INVESTIGATION ON USE OF WASTE
PLASTICS FOR MANUFACTURING BRICK**

A PROJECT REPORT

Submitted By

SERENA. J

963320103087

SIVA RANJANI. M

963320103100

VARSHA. S B

963320103114

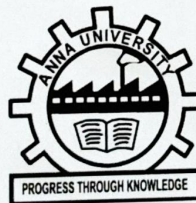
in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

(An institution affiliated to Anna University, Chennai)

PALKULAM, KANYAKUMARI DISTRICT

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024

ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report of "EXPERIMENTAL INVESTIGATION ON USE OF WASTE PLASTICS FOR MANUFACTURING BRICK" is the bonafide work of, J. SERENA, M. SIVA RANJANI, S.B. VARSHA, who carried out work under my supervision.


SIGNATURE

Dr. J. SAHAYA RUBEN, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Department of Civil Engineering

Rohini College of Engineering

Technology, palkulam

Kanyakumari District

Tamil Nadu


SIGNATURE

Mrs. R. K. ASWINI, M.E.,

SUPERVISOR

Department of Civil Engineering

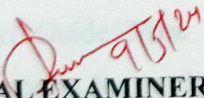
Rohini College of Engineering

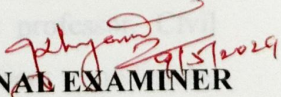
Technology, palkulam

Kanyakumari District

Tamil Nadu

Submitted for the Project viva-voice examination held on 09-05-2024


INTERNAL EXAMINER


EXTERNAL EXAMINER

**ASSESSMENT OF GROUNDWATER QUALITY NEAR SEA
SHORE AREA IN AGASTHEESWARAM TALUK AND
RADHAPURAM TALUK**

A PROJECT REPORT

Submitted by

SWETHA. S

SWEETY. R

SARANYA.P

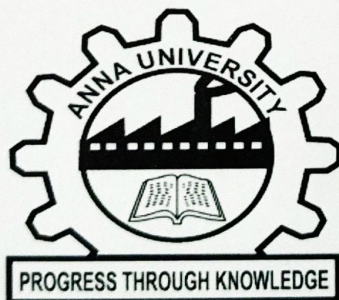
in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

PALKULAM, KANYAKUMARI DISTRICT

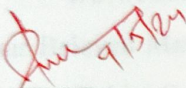
ANNA UNIVERSITY: CHENNAI 600 025

APRIL/MAY 2024

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project "ASSESSMENT OF GROUNDWATER QUALITY IN SEA SHORE AREAS IN AGASTHEESWARAM TALUK AND RADHAPURAM TALUK" is the "S.SWETHA [963320103110], R.SWEETY [963320103109], P.SARANYA [963320103084]" who carried out the project work under my supervision.


SIGNATURE

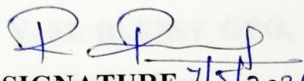
Dr. J. SAHAYA RUBEN, M.E., Ph.D

HEAD OF THE DEPARTMENT

Department of Civil Engineering

Rohini college of Engineering

&Technology


SIGNATURE 7/5/2024

Mrs. R. RENO INFANTO, M.E.,

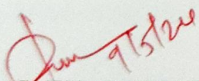
SUPERVISOR

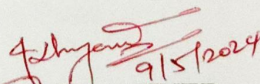
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Submitted for the Project viva-voice Examination held on...09.05.2024


INTERNAL EXAMINER


EXTERNAL EXAMINER