



SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Kaikkurichi, Pudukkottai -622 303

www.sbec.edu.in

NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 2

Teaching-Learning and Evaluation

Submitted by

IQAC

Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021

EXPERIENTIAL LEARNING

CIVIL ENGINEERING

Activity	Number of Students Attended	Page No.
Internship	11	3
Project	11	20
Laboratory	16	29
TOTAL STUDENTS ATTENDED	38	-



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021

CIVIL ENGINEERING

EXPERIENTIAL LEARNING

INTERNSHIP



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

Experiential learning(Project,In-Plant Training,Industrial visit,Local visit)

Academic year 2020-2021

S.NO	REGISTER NO	NAME	YEAR/SEM	NAME OF THE LEARNING METHOD
1	912617103001	Chandrika.C	IV/VII	EXPERIENTIAL LEARNING INTERNSHIP- Kamaal construction, Aranthangi
	912617103701	Lakshmi A		
2	912617103002	Dhesikaparathi.D	IV/VII	EXPERIENTIAL LEARNING INTERNSHIP- Shabee Constructions, Pudukkottai
	912617103003	Karthika.K		
	912617103006	Muthumeena.P		
	912617103009	Rajeswari.J		
3	912617103004	Kasthuri.K	IV/VII	EXPERIENTIAL LEARNING INTERNSHIP- MR Builders & Promoters, Thanjavur.
	912617103007	Pothumpen.A		
	912617103008	Priyadharshini.S		
3	912617103010	Sivapriya.S	IV/VII	EXPERIENTIAL LEARNING INTERNSHIP- Doodle Architect, Pudukkottai.
	912617103005	Monika.K		

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

HoD/Civil
HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

Pudukkottai - Aranthangi Road,
Kaikkurichi, Pudukkottai - 622 303.

Date : 12/7/20

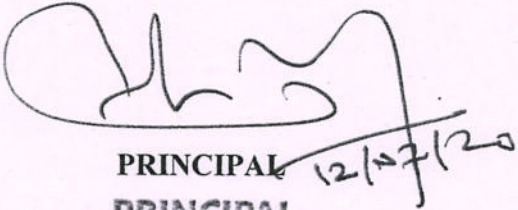
BONAFIDE CERTIFICATE

This is to certify that the following students are bonafide students of this college studying VII semester of Final year B.E/ Civil Engineering during this academic year 2020-2021(Odd Semester).

S.NO	REG.NO	NAME OF THE STUDENT
1.	912617103001	CHANDRIKA.C
2.	912617103701	LAKSHMI A

This certificate is issued only for the purpose of attending **INPLANT TRAINING** in **KAMAAL CONSTRUCTION, ARANTHANGI.**


Dr. **S. THILAGAVATHI M.E., Ph.D.,**
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.


PRINCIPAL 12/7/20
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

Pudukkottai - Aranthangi Road,
Kaikkurichi, Pudukkottai - 622 303.

Date : 12/17/20


BONAFIDE CERTIFICATE

This is to certify that the following students are bonafide students of this college studying VII semester of Final year B.E/ Civil Engineering during this academic year 2020-2021(Odd Semester).

S.NO	REG.NO	NAME OF THE STUDENT
1.	912617103002	DHESIKAPARTHI.D
2.	912617103003	KARTHIKA.K
3.	912617103006	MUTHUMEENA.P
4.	912617103009	RAJESWARI.J

This certificate is issued only for the purpose of attending **INPLANT TRAINING** in **SHABEE CONSTRUCTIONS, PUDUKKOTTAL.**


Dr. **S.THILAGAVATHI** M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.


PRINCIPAL
12/17/20
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Pudukkottai - Aranthangi Road,
Kaikkurichi, Pudukkottai - 622 303.

Date : 12/07/2020


BONAFIDE CERTIFICATE

This is to certify that the following students are bonafide students of this college studying VII semester of Final year B.E/ Civil Engineering during this academic year 2020-2021(Odd Semester).

S.NO	REG.NO	NAME OF THE STUDENT
1.	912617103004	KASTHURI.K
2.	912617103007	POTHUMPEN.A
3.	912617103008	PRIYADHARSHINI.S
4.	912617103010	SIVAPRIYA.S

This certificate is issued only for the purpose of attending **INPLANT TRAINING** in **MR BUILDERS & PROMOTORS, THANJAVUR.**


Dr. **S.THILAGAVATHI** M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.


PRINCIPAL
PRINCIPAL 12/07/20
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Pudukkottai - Aranthangi Road,
Kaikkurichi, Pudukkottai - 622 303.

Date : 12/17/20

BONAFIDE CERTIFICATE

This is to certify that the following students are bonafide students of this college studying VII semester of Final year B.E/ Civil Engineering during this academic year 2020-2021(Odd Semester).

S.NO	REG.NO	NAME OF THE STUDENT
1.	912617103005	MONIKA.K

This certificate is issued only for the purpose of attending **INPLANT TRAINING** in **DOODLE ARCHITECT, PUDUKKOTTAI.**

Dr. **S.THILAGAVATHI** M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

PRINCIPAL

PRINCIPAL 12/17/20

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT



Er.S.Rawther Appa B.E.,
Licensed Building Surveyor

+91 90039 99378

Kamaal Construction

Good quality Good Service

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that **Ms. Chandrika.C** a student of IV year, B.E (Civil Engineering), **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai, has successfully completed Inplant Training Programme from 14.07.2020-10.08.2020 at this **KAMAAL CONSTRUCTION**, Aranthangi. During the period of her internship programme with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.

Dr. S.**THILAGAVATHI** M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

Signature of Authorized Engineer
KAMAAL CONSTRUCTION
No.24/4, Atthipa Complex,
Barathidhasan Street,
Aranthangi - 614616
Cell : 9003999378



Er.S.Rawuther Appa B.E.,
Licensed Building Surveyor

+91 90039 99378

Kamaal Construction

Good quality Good Service

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that Ms. Lakshmi A a student of IV year, B.E (Civil Engineering), **SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**, Pudukkottai, has successfully completed Inplant Training Programme from 14.07.2020-10.08.2020 at this **KAMAAL CONSTRUCTION**, Aranthangi. During the period of her internship programme with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.

Dr. **S.THILAGAVATHI M.E., Ph.D.**,
PRINCIPAL
**SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN**
Kaikkurchi - 622 303, Pudukkottai Dt.

Signature of Authorized Engineer

KAMAAL CONSTRUCTION
No.24/4, Atthipa Complex,
Barathidhasan Street,
Aranthangi - 614616
Cell : 9003999378

- Engineers • Architects
- Licensed Building surveyor
- Consultants • Contractors
- Building Promoters • Value



Er. K. BASHEER MOHAMED, B.E, M.Sc.(REV), FIV.
98424 61166

11.08.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MS.D.Dhesika parthi**, studying B.E civil Engineering in Sri Bharathi Engineering College For Women, Kaikurichi, Pudukkottai has undergone **In-plant Training** in our concern from the date of **14.07.2020 – 10.08.2020**.

During this training period, she learned the center line, foundation, footings and superstructure details of the buildings. Her performance and commitment towards the work were found to be good.

Er. K. BASHEER MOHAMED, B.E, M.Sc.(REV), FIV.
Registered Engineer

**SHABEE
CONSTRUCTION**
Shop No. 12, KP Super Complex,
T.S. No. 4128, South 3-rd Street,
PUDUKKOTTAI - 622 001.

Dr. **S. THILAGAVATHI M.E., Ph.D.**,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

SHABEE CONSTRUCTION

Shop #12, KP Super Complex, TS No: 4128, South 3rd Street, Near Supreme Cycles, Pudukkottai-1
Mobile: 98424 61166, 98428 77722, Office: 73737 16168



Er. K. BASHEER MOHAMED, B.E, M.Sc.(REV), FIV.
98424 61166

• Engineers • Architects
• Licensed Building surveyors
• Consultants • Contractors
• Building Promoters • Valuers

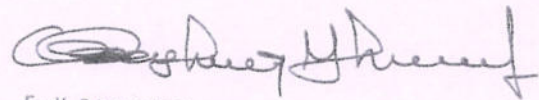
11.08.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MS.K.Karthika**, studying B.E civil Engineering in Sri Bharathi Engineering College For Women, Kaikurichi, Pudukkottai has undergone **In-plant Training** in our concern from the date of **14.07.2020 – 10.08.2020**.

During this training period, she learned the center line, foundation, footings and superstructure details of the buildings. Her performance and commitment towards the work were found to be good.


Dr. S. THILAGAVATHI M.E., Ph.D.
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.



Er. K. BASHEER MOHAMED, B.E., M.Sc., (Rev), FIV.
Registered Engineer
**SHABEE
CONSTRUCTION**
Shop No. 12, KP Super Complex,
T.S. No. 4128, South 3-rd Street,
PUDUKKOTTAI - 622 001.

SHABEE CONSTRUCTION
Shop #12, KP Super Complex, TS No: 4128, South 3rd Street, Near Supreme Cycles, Pudukkottai-1
Mobile: 98424 61166, 98428 77722, Office: 73737 16168



Er. K. BASHEER MOHAMED, B.E, M.Sc.(REV), FIV.
98424 61166

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• Licensed Building surveyors
• Consultants • Contractors
• Building Promoters • Valuers

11.08.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MS.P.Muthumeena**, studying B.E civil Engineering in Sri Bharathi Engineering College For Women, Kaikurichi, Pudukkottai has undergone **In-plant Training** in our concern from the date of **14.07.2020 – 10.08.2020**.

During this training period, she learned the center line, foundation, footings and superstructure details of the buildings. Her performance and commitment towards the work were found to be good.

Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

Er. K. BASHEER MOHAMED, B.E., M.Sc., (Rev), FIV.,
Registered Engineer

**SHABEE
CONSTRUCTION**
Shop No. 12, KP Super Complex,
T.S. No. 4128, South 3-rd Street,
PUDUKKOTTAI - 622 001.

SHABEE CONSTRUCTION

Shop #12, KP Super Complex, TS No: 4128, South 3rd Street, Near Supreme Cycles, Pudukkottai-1
Mobile: 98424 61166, 98428 77722, Office: 73737 16168



Er. K. BASHEER MOHAMED, B.E, M.Sc.(REV), FIV.
98424 61166

- Engineers • Architects
- Licensed Building surveyors
- Consultants • Contractors
- Building Promoters • Value

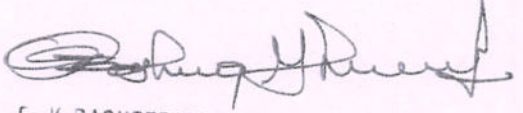
11.08.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MS.J.Rajeswari**, studying B.E civil Engineering in Sri Bharathi Engineering College For Women, Kaikurichi, Pudukkottai has undergone **In-plant Training** in our concern from the date of **14.07.2020 – 10.08.2020**.

During this training period, she learned the center line, foundation, footings and superstructure details of the buildings. Her performance and commitment towards the work were found to be good.


Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai DL


Er. K. BASHEER MOHAMED, B.E., M.Sc. (Rev), FIV.,
Registered Engineer
SHABEE
CONSTRUCTION
Shop No. 12, KP Super Complex,
T.S. No. 4128, South 3-rd Street,
PUDUKKOTTAI - 622 001.

SHABEE CONSTRUCTION

Shop #12, KP Super Complex, TS No: 4128, South 3rd Street, Near Supreme Cycles, Pudukkottai-1
Mobile: 98424 61166, 98428 77722, Office: 73737 16168

TIN. No : 33903826295
PAN.No : AAXFM4490P

**MR Construction
& Promoters**



• ENGINEERS • CONTRACTORS • PROMOTERS

State Level Class 1 Contractor (PWD, TNEB, Municipal Corporation)

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Kasthuri.K., IV year B.E. (Civil Engineering) student of “**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**”, Pudukkottai, has done her internship in construction works at “**MR CONSTRUCTION & PROMOTERS**” from 14.07.2020-10.08.2020. During her training, she was keen in learning new skills with self-motivation. Her performance exceeded our expectations and she was able to complete the training successfully and on time.

We wish her all the best for her career.

Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
**SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN**
Kaikkurchi - 622 303, Pudukkottai Dt.

For M.R. Construction & Promoters

Managing Partner.

Signature of Authorized Engineer

TIN. No : 33903826295
PAN.No : AAXFM4490P

**MR Construction
& Promoters**



• ENGINEERS • CONTRACTORS • PROMOTERS

State Level Class 1 Contractor (PWD, TNEB, Municipal Corporation)

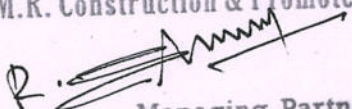
CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Pothumpen.A, IV year B.E. (Civil Engineering) student of “**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**”, Pudukkottai, has done her internship in construction works at “**MR CONSTRUCTION & PROMOTERS**” from 14.07.2020-10.08.2020. During her training, she was keen in learning new skills with self-motivation. Her performance exceeded our expectations and she was able to complete the training successfully and on time.

We wish her all the best for her career.

For M.R. Construction & Promoters


Managing Partner.

Signature of Authorized Engineer


Dr. **S.THILAGAVATHI M.E., Ph.D.**,
PRINCIPAL
**SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN**
Kaikkurchi - 622 303, Pudukkottai Dt.

TIN. No : 33903826295
PAN.No : AAXFM4490P

**MR Construction
& Promoters**



• ENGINEERS • CONTRACTORS • PROMOTERS

State Level Class 1 Contractor (PWD, TNEB, Municipal Corporation)


CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Priyadharshini.S, IV year B.E. (Civil Engineering) student of “**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**”, Pudukkottai, has done her internship in construction works at “**MR CONSTRUCTION & PROMOTERS**” from 14.07.2020-10.08.2020. During her training, she was keen in learning new skills with self-motivation. Her performance exceeded our expectations and she was able to complete the training successfully and on time.

We wish her all the best for her career.


Dr. **S. THILAGAVATHI M.E., Ph.D.**,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

for M.R. Construction & Promoters

Managing Partner.
Signature of Authorized Engineer

TIN. No : 33903826295
PAN.No : AAXFM4490P

**MR Construction
& Promoters**



• ENGINEERS • CONTRACTORS • PROMOTERS

State Level Class 1 Contractor (PWD, TNEB, Municipal Corporation)

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sivapriya.S, IV year B.E. (Civil Engineering) student of “**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**”, Pudukkottai, has done her internship in construction works at “**MR CONSTRUCTION & PROMOTERS**” from 14.07.2020-10.08.2020. During her training, she was keen in learning new skills with self-motivation. Her performance exceeded our expectations and she was able to complete the training successfully and on time.

We wish her all the best for her career.


Dr. **S.THILAGAVATHI M.E., Ph.D.**,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

Signature of Authorized Engineer
For M.R. Construction & Promoters


Managing Partner.



Doodle Architect

Architecture Planning Interior

TS.No. 1498/1, Slam Complex, North Main Street, Pudukkottai - 622001.

Date:.....

TO WHOM SO EVER IT MAY CONCERN

This is to certificate that K.MONIKA, Reg.no: 912617103005 studying final year B.E, Civil Engineering in Sri Bharathi Engineering college for women, kaikuruchi, Pudukkottai, 622001. Had underwent an IN PLANT Training Program in our Project Construction of "BAKERY SHOP BUILDING" in Aladar Garden , Kavinadu Mela Vattam, Pudukkottai From 14.07.2020 to 10.08.2020.

During this period she has involved in various activities like monitoring the construction process of planning, marking, soil excavation etc..., she has also studied above shuttering columns, footing tying of reinforcement etc....,

During the period of internship her conduct and character was good.

Dr. S.THILAGAVATHI M.E.,Ph.D.
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

Er.R.Kannan D.C.E., B.E.,
(Licensed Civil Engineer)
Doodle Architect
Consulting Architect Engineer & Interior Designer
TS.No:1498, North Main Street, Pudukkottai - 622001
Cell: 9789425594, 9677545554,
Email id: doodlearch@gmail.com, www.doodlearch.com

Mob: 96775 45554, 97894 25594

Email id: doodlearch@gmail.com

Web - www.doodlearch.com



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021

CIVIL ENGINEERING
EXPERIENTIAL LEARNING
PROJECT



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India


DEPARTMENT OF CIVIL ENGINEERING

Experiential learning(Project,In-Plant Training,Industrial visit,Local visit)

Academic year 2020-2021

BATCH NO	REGISTER NO	NAME	YEAR/SEM	TOPIC	NAME OF THE LEARNING METHOD
1	912617103001	CHANDRIKA.C	IV/VIII	Experimental Study on Comparison of Strength Characteristics of Conventional And Composite Brick	EXPERIENTIAL LEARNING METHOD-PROJECT
	912617103002	DHESIKAPARTHI.D			
	912617103003	KARTHIKA.K			
	912617103005	MONIKA.K			
2	912617103004	KASTHURI.K	IV/VIII	Use of Waste Plastics To Improve Geo Technical Properties of Soil	
	912617103008	PRIYADHARSHINI.S			
	912617103010	SIVAPRIYA.S			
	912617103701	LAKSHMI.A			
3	912617103006	MUTHUMEENA.P	IV/VIII	Experimental Investigation On Concrete By Partial Replacement Of Dolomite Powder As Cement	
	912617103007	POTHUMPEN.A			
	912617103009	RAJESWARI.J			


Dr. S.THILAGAVATHI M.E.,Ph.D.,
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SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.


HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Internal Marks Report

College Code / Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 103 - B.E. Civil Engineering

Semester : 08

University : AUC

Regulation : 2017

S.No	Register Number	Name	CE8018	CE8021	CE8811
1	912617103001	CHANDRIKA C	17	15	19
2	912617103002	DHESIKAPARTHI D	17	15	18
3	912617103003	KARTHIKA K	18	18	20
4	912617103004	KASTHURI K	18	15	19
5	912617103005	MONIKA K	18	15	19
6	912617103006	MUTHUMEENA P	18	16	19
7	912617103007	POTHUMPEN A	16	14	18
8	912617103008	PRIYADHARSHINI S	17	15	19
9	912617103009	RAJESWARI J	18	16	20
10	912617103010	SIVAPRIYA S	17	14	18
11	912617103701	LAKSHMI A	19	17	18


Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.



EXPERIMENTAL STUDY ON COMPARISON
OF STRENGTH CHARACTERISTICS OF
CONVENTIONAL AND COMPOSITE BRICK
A PROJECT REPORT

Submitted by

C.CHANDRIKA	912617103001
D.DHESIKA PARTHI	912617103002
K.KARTHIKA	912617103003
K.MONIKA	912617103005

In partial fulfilment for the award of the degree

of

CIVIL ENGINEERING

in

BACHELOR OF ENGINEERING

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN,

KAIKKURICHI, PUDUKKOTTAI - 622 303

ANNA UNIVERSITY: CHENNAI 600 025.

MARCH 2021

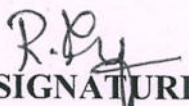
I


Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.


ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “EXPERIMENTAL STUDY ON COMPARISON OF STRENGTH CHARACTERISTICS OF CONVENTIONAL AND COMPOSITE BRICK” is the bonafide work of CHANDRIKA.C (912617103001), DHESIKA PARTHI.D (912617103002), KARTHIKA.K (912617103003) and MONIKA.K (912617103005) who carried out the project work under my supervision.


SIGNATURE

Ms.R.MANJU, M.E.,
HEAD OF THE DEPARTMENT,
Department of civil Engineering
Sri Bharathi Engineering
College for Women,
Kaikkurichi,
Pudukkottai - 622 303.


SIGNATURE

Ms.R.MANJU, M.E.,
ASST.PROFESSOR,
Department of civil Engineering
Sri Bharathi Engineering
College for women,
Kaikkurichi,
Pudukkottai – 622 303.

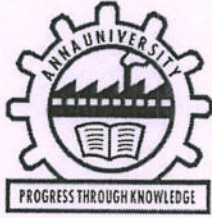
Submitted for the project viva – voice examination held on.....


Dr. **S.THILAGAVATHI M.E.,Ph.D.,**
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.


INTERNAL EXAMINER

EXTERNAL EXAMINER*

*Due to COVID – 19 pandemic situations the viva – voce was conducted through Online Mode



**USE OF WASTE PLASTICS TO IMPROVE GEO
TECHNICAL PROPERTIES OF SOIL**

A PROJECT REPORT

Submitted by

KASTHURI.K	912617103004
PRIYADHARSHINI.S	912617103008
SIVAPRIYA.S	912617103010
LAKSHMI.A	912617103701

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

SRI BHARATHI ENGINEERING COLLEGE

FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI-622303

ANNA UNIVERSITY:CHENNAI 600025

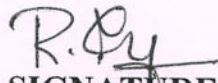
MARCH-2021

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “USE OF WASTE PLASTICS TO IMPROVE GEO TECHNICAL PROPERTIES OF SOIL” is the bonafide work of **KASTHURI.K (912617103004), PRIYADHARSHINI.S (912617103008), SIVAPRIYA.S (912617103010) and LAKSHMI.A (912617103701)** who carried out the project work under my supervision.


SIGNATURE

Ms.R.MANJU, M.E.,
HEAD OF THE DEPARTMENT,
Department of civil Engineering
Sri Bharathi Engineering
College for Women,
Kaikkurichi,
Pudukkottai - 622 303.


SIGNATURE

Mrs.P.DENNIS FLORA, M.E.,
ASST.PROFESSOR,
Department of civil Engineering
Sri Bharathi Engineering
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Kaikkurichi,
Pudukkottai – 622 303.

Submitted for the project viva – voice examination held on.....


Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.


INTERNAL EXAMINER

EXTERNAL EXAMINER*

*Due to COVID – 19 pandemic situations the viva – voce was conducted through Online Mode



**EXPERIMENTAL INVESTIGATION ON CONCRETE BY
PARTIAL REPLACEMENT OF DOLOMITE POWDER AS
CEMENT**

A PROJECT REPORT

Submitted by

MUTHUMEENA.P	912617103006
POTHUMPEN.A	912617103007
RAJESWARL.J	912617103009

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

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI-622 303

ANNA UNIVERSITY: CHENNAI 600 025

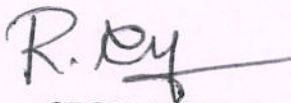
MARCH -2021

**Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.**

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**EXPERIMENTAL INVESTIGATION ON CONCRETE BY PARTIAL REPLACEMENT OF DOLOMITE POWDER AS CEMENT**” is the bonafide work of **MUTHUMEENA.P (912617103006)**, **POTHUMPEN.A (912617103007)**, and **RAJESWARI.J (912617103009)** who carried out the project work under my supervision.



SIGNATURE

Ms.R.MANJU, M.E.,
HEAD OF THE DEPARTMENT,
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Pudukkottai - 622 303.



SIGNATURE

Ms.G.GAYATHRI, M.E.,
ASST.PROFESSOR,
Department of civil Engineering
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Kaikkurichi,
Pudukkottai – 622 303.

Submitted for the project viva – voice examination held on.....


Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
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COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.


INTERNAL EXAMINER

EXTERNAL EXAMINER*

*Due to COVID – 19 pandemic situations the viva – voce was conducted through Online Mode



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021

CIVIL ENGINEERING

EXPERIENTIAL LEARNING

LABORATORY



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

Experiential learning(Project,In-Plant Training,Industrial visit,Local visit)

2020-2021 (LABORATORY COURSES-II Year)

CE8311

CONSTRUCTION MATERIALS LABORATORY

L T P C
0 0 4 2

OBJECTIVE:

To facilitate the understanding of the behavior of construction materials.

I. TEST ON FINE AGGREGATES

15

1. Grading of fine aggregates
2. Test for specific gravity and test for bulk density
3. Compacted and loose bulk density of fine aggregate

II. TEST ON COARSE AGGREGATE

15

1. Determination of impact value of coarse aggregate
2. Determination of elongation index
3. Determination of flakiness index
4. Determination of aggregate crushing value of coarse aggregate

III. TEST ON CONCRETE

15

1. Test for Slump
2. Test for Compaction factor
3. Test for Compressive strength - Cube & Cylinder
4. Test for Flexural strength

IV. TEST ON BRICKS AND BLOCKS

15

1. Test for compressive strength of bricks and blocks
2. Test for Water absorption of bricks and blocks
3. Determination of Efflorescence of bricks
4. Test on tiles

TOTAL: 60 PERIODS

REFERENCES:

1. Construction Materials Laboratory Manual, Anna University, Chennai-600 025.
2. IS 4031 (Part 1) – 1996 – Indian Standard Method for determination of fineness by drysieving.
3. IS 2386 (Part 1 to Part 6) – 1963 – Indian Standard methods for test for aggregate for concrete
4. IS 383 – 1970 Indian Standard specification for coarse and fine aggregates from natural sources for concrete.


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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

Experiential learning(Project,In-Plant Training,Industrial visit,Local visit)

Batch List

S.No	Register Number	Name of the student	Batch	Laboratory Course	Year/Department
1	912619103001	Ajitha T	I	CE8311- CONSTRUCTION MATERIALS LABORATORY	II/CIVIL
2	912619103002	Aruljenifar C			
3	912619103003	Divya V			
4	912619103004	Mangaiyarkarasi G			
5	912619103005	Muthulakshmi S			
6	912619103006	Praveena S	II		
7	912619103007	Priyadharshini K			
8	912619103009	Ragavi V			
9	912619103010	Rajathi T			
10	912619103301	Lilly John J			
11	912619103302	Bhuvani S			

HoD/Civil

HOD / CIVIL
SRI BHARATHI ENGINEERING
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PUDUKKOTTAI - 622 303

Dr. S. THILAGAVATHI M.E., Ph.D.,
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Kaikkurchi - 622 303, Pudukkottai Dt.



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

Inst Code & Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 103 : B.E. Civil Engineering University : AUC

Semester : 03

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr 2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr 4	IM 4		
912619103001	AJITHA T	CE8301			14	15	84	14	15	84	14	15	83		
		CE8302			14	15	88	14	15	85	14	15	82		
		CE8311										54	60	85	
		CE8351			14	15	86	14	15	85	14	15	83		
		CE8361										54	60	85	
		CE8391			13	15	85	14	15	85	14	15	84		
		CE8392			14	15	84	14	15	85	14	15	84		
		HS8381											27	30	84
		MA8353			18	20	81	17	20	90	17	20	92		
		912619103002	ARULJENIFAR C	CE8301			15	15	91	15	15	92	15	15	93
CE8302					15	15	92	15	15	90	15	15	92		
CE8311												60	60	92	
CE8351					15	15	91	15	15	92	15	15	91		
CE8361												60	60	92	
CE8391					15	15	90	15	15	92	15	15	93		
CE8392					15	15	90	15	15	92	15	15	92		
HS8381													30	30	92
MA8353					20	20	89	20	20	98	20	20	97		
912619103003	DIVYA V			CE8301			14	15	82	14	15	81	14	15	80
		CE8302			14	15	85	14	15	80	14	15	81		
		CE8311										54	60	84	
		CE8351			14	15	82	14	15	80	14	15	79		
		CE8361										54	60	83	
		CE8391			12	15	84	14	15	84	14	15	83		
		CE8392			14	15	80	14	15	83	14	15	84		
		HS8381											27	30	81
		MA8353			17	20	80	16	20	88	16	20	87		
		912619103004	MANGAIYARKARASI G	CE8301			12	15	76	12	15	76	12	15	78
CE8302					12	15	77	12	15	75	12	15	83		
CE8311												51	60	81	
CE8351					12	15	76	12	15	75	12	15	69		
CE8361												51	60	80	
CE8391					12	15	77	12	15	75	12	15	74		
CE8392					12	15	77	12	15	76	12	15	75		
HS8381													24	30	80
MA8353					16	20	79	15	20	75	15	20	74		
912619103005	MUTHULAKSHMI S			CE8301			15	15	92	15	15	93	15	15	92
		CE8302			15	15	90	15	15	92	15	15	93		
		CE8311										60	60	94	
		CE8351			15	15	92	15	15	92	15	15	93		
		CE8361										60	60	94	
		CE8391			15	15	89	15	15	92	15	15	93		
		CE8392			15	15	90	15	15	92	15	15	93		
		HS8381											30	30	94
		MA8353			20	20	91	20	20	100	20	20	100		
		912619103006	PRAVEENA S	CE8301			15	15	91	15	15	93	15	15	94
CE8302					15	15	92	15	15	91	15	15	92		
CE8311												60	60	95	
CE8351					15	15	91	15	15	93	15	15	94		
CE8361												60	60	95	
CE8391					15	15	92	15	15	91	15	15	92		
CE8392					15	15	91	15	15	93	15	15	94		
HS8381													30	30	95

Dr. S. THILAGAVATHI M.E., Ph.D.
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Kaikkurchi - 622 303, Pudukkottai Dt.



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

Inst Code & Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

	MA8353	20	20	90	20	20	96	20	20	97
912619103007	PRIYADHARSHINI K	CE8301	15	15	93	15	15	92	15	93
	CE8302	15	15	93	15	15	93	15	15	93
	CE8311							60	60	96
	CE8351	15	15	92	15	15	92	15	15	93
	CE8361							60	60	96
	CE8391	15	15	93	15	15	93	15	15	93
	CE8392	15	15	92	15	15	94	15	15	95
	HS8381							30	30	94
	MA8353	20	20	89	20	20	98	20	20	98
912619103009	RAGAVI V	CE8301	15	15	94	15	15	94	15	95
	CE8302	15	15	95	15	15	94	15	15	95
	CE8311							60	60	97
	CE8351	15	15	93	15	15	95	15	15	95
	CE8361							60	60	95
	CE8391	15	15	94	15	15	94	15	15	94
	CE8392	15	15	94	15	15	93	15	15	96
	HS8381							30	30	95
	MA8353	20	20	91	20	20	100	20	20	100
912619103010	RAJATHI T	CE8301	12	15	75	12	15	75	12	74
	CE8302	12	15	76	12	15	74	12	15	72
	CE8311							51	60	79
	CE8351	12	15	77	12	15	74	12	15	73
	CE8361							51	60	79
	CE8391	12	15	79	12	15	77	12	15	76
	CE8392	12	15	76	12	15	75	12	15	73
	HS8381							24	30	80
	MA8353	16	20	79	15	20	74	15	20	73
912619103301	LILLY JOHN J	CE8301	4	5	81	12	15	84	14	85
	CE8302	4	5	85	13	15	80	13	15	86
	CE8311							54	60	82
	CE8351	4	4	80	14	15	81	14	15	84
	CE8361							54	60	83
	CE8391	4	5	80	13	15	82	13	15	75
	CE8392	4	5	82	12	15	84	13	15	80
	HS8381							24	30	84
	MA8353	4	5	82	16	20	83	17	20	89
912619103302	BHUVANI S	CE8301	4	5	73	12	15	76	12	73
	CE8302	4	5	76	12	15	75	12	15	71
	CE8311							51	60	79
	CE8351	4	4	76	12	15	71	12	15	72
	CE8361							60	60	80
	CE8391	4	5	73	12	15	76	12	15	73
	CE8392	4	5	73	12	15	73	12	15	71
	HS8381							24	30	83
	MA8353	4	5	78	15	20	71	15	20	78

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

Experiential learning(Project,In-Plant Training,Industrial visit,Local visit)

2020-2021 (LABORATORY COURSES-III Year)

CE8512 WATER AND WASTE WATER ANALYSIS LABORATORY L T P C
0 0 4 2

COURSE OBJECTIVES:

- To analyse the physical, chemical and biological characteristics of water and wastewater
- To quantify the dosage requirement for coagulation process
- To study the growth of micro-organism and its quantification
- To quantify the sludge

Course Content:

1. Physical, Chemical and biological characteristics of water and wastewater
2. Jar test
3. Chlorine demand and residual test
4. Growth of micro-organism

TOTAL: 60 PERIODS

List of Experiments:

1. Determination of pH, Turbidity and conductivity
2. Determination of Hardness
3. Determination of Alkalinity and Acidity
4. Determination of Chlorides
5. Determination of Phosphates and Sulphates
6. Determination of iron and fluoride
7. Determination of Optimum Coagulant dosage
8. Determination of residual chlorine and available chlorine in bleaching powder
9. Determination of Oil, and Grease
10. Determination of suspended, settleable, volatile and fixed solids
11. Determination Dissolved Oxygen and BOD for the given sample
12. Determination of COD for given sample
13. Determination of SVI of Biological sludge and microscopic examination
14. Determination of MPN index of given water sample

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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

Experiential learning(Project,In-Plant Training,Industrial visit,Local visit)

Batch List

S.No	Register Number	Name of the student	Batch	Laboratory Course	Year/Department
1	912618103003	Maheshwari V	I	CE8512- WATER AND WASTE WATER ANALYSIS LABORATORY	III/CIVIL
2	912618103005	Meenachi K			
3	912618103008	Sathya M	II		
4	912618103009	Srividhya S			
5	912618103010	Umamaheswari K			

HoD/Civil

HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Dr. **S:THILAGAVATHI** M.E.,Ph.D.,
PRINCIPAL

**SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN**
Kaikkurchi - 622 303, Pudukkottai Dt.



ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Assessment Details Entered

NOV. / DEC. EXAMINATION, 2020 - EXAMINATIONS

Inst Code & Name : 9126 - SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Branch Code / Name : 103 : B.E. Civil Engineering University : AUC
Semester : 05

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr4	IM 4	
912618103003	MAHESHWARI V	CE8501			20	25	69	19	25	66	20	25	68	
		CE8502			12	15	69	12	15	67	12	15	69	
		CE8511										48	60	69
		CE8512										48	60	69
		CE8513										48	60	67
		CE8591			12	15	70	12	15	66	12	15	69	
		EN8491			12	15	70	12	15	68	12	15	67	
		GE8071			12	15	71	12	15	65	12	15	69	
		ORO551			12	15	69	12	15	67	12	15	68	
		912618103005	MEENACHI K	CE8501			24	25	90	24	25	89	25	25
CE8502					14	15	85	15	15	89	15	15	89	
CE8511												60	60	89
CE8512												60	60	89
CE8513												60	60	89
CE8591					14	15	88	15	15	90	15	15	91	
EN8491					14	15	87	15	15	90	15	15	88	
GE8071					14	15	86	14	15	89	15	15	91	
ORO551					14	15	85	15	15	90	15	15	89	
912618103008	SATHYA M			CE8501			24	25	93	25	25	91	25	25
		CE8502			14	15	92	15	15	92	15	15	90	
		CE8511										60	60	90
		CE8512										60	60	92
		CE8513										60	60	92
		CE8591			14	15	92	15	15	92	15	15	93	
		EN8491			14	15	89	15	15	92	15	15	92	
		GE8071			14	15	90	15	15	91	15	15	93	
		ORO551			14	15	92	15	15	92	15	15	91	
		912618103009	SRIVIDHYA S	CE8501			25	25	97	25	25	95	25	25
CE8502					15	15	94	15	15	95	15	15	95	
CE8511												60	60	93
CE8512												60	60	93
CE8513												60	60	93
CE8591					15	15	95	15	15	94	15	15	94	
EN8491					15	15	95	15	15	95	15	15	93	
GE8071					15	15	93	15	15	93	15	15	95	
ORO551					15	15	94	15	15	95	15	15	93	
912618103010	UMAMAHESWARI K			CE8501			25	25	91	25	25	90	25	25
		CE8502			15	15	90	15	15	91	15	15	89	
		CE8511										60	60	90
		CE8512										60	60	90
		CE8513										60	60	91
		CE8591			15	15	89	15	15	90	15	15	92	
		EN8491			15	15	86	15	15	92	15	15	90	
		GE8071			15	15	88	15	15	90	15	15	91	
		ORO551			15	15	91	15	15	91	15	15	90	


Dr. S. THILAGAVATHI M.E., Ph.D.,
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COLLEGE FOR WOMEN
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