

SRI BHARATHI

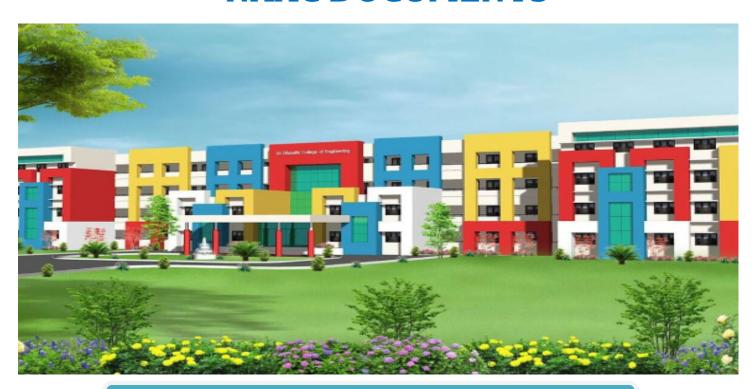
ENGINEERING COLLEGE FOR WOMEN

(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

(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

Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021 PROBLEM SOLVING CIVIL ENGINEERING

Activity	Number of Students Attended	Page No.
Tutorial	16	3
Mini Project	11	8
TOTAL STUDENTS ATTENDED	27	-

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Criteria 2

Teaching-Learning and Evaluation

350

Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021
CIVIL ENGINEERING
PROBLEM SOLVING
TUTORIAL



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DEPARTMENT OF CIVIL ENGINEERING

Problem Solving Methodology

List of Students II year Civil-Problem Solving Method

Academic Year (2020-2021)

S.No	Register No	Name	Year/Sem	Name of the learning method
1	912619103001	Ajitha T		Traine of the learning method
2	912619103002	Aruljenifar C		
3	912619103003	Divya V		
4	912619103004	Mangaiyarkarasi G		
5	912619103005	Muthulakshmi S		Problem Solving Method-
6	912619103006	Praveena S	II/IV	Tutorial
7	912619103007	Priyadharshini K		CE 8402/ Strength of materials-II
8	912619103009	Ragavi V		
9	912619103010	Rajathi T		
10	912619103301	Lilly John J		
11	912619103302	Bhuvani S		

9.

Name and Signature of the Faculty Incharge

G, GAYATHRI, APICMIL

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

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkotiai Dt. HOD GIVI SRIBHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI,



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DEPARTMENT OF CIVIL ENGINEERING

Tutorial Answer sheet

Name of the Student: Ragavi. V

AU Register Number: 912619103009

	Tutorial – ()2	Da	ate of Issue:	25.02.2021	Marks	10
Course code	CE8402	Course Title	Streng	gth of materials II		TVICTI IXS	10
Year	II	Semester	IV Date of Submission: 27.02.2021				2021

Q.No	0	
201.0	Questions	CO
1.	Using the method of virtual work, examine the deflection at the freeend of the cantilever beam carrying uniformly distributed load25 kN/m throughout the length of 12m. Take $E = 2 \times 10^5 MPa$, $I = 825 \times 10^7 mm^4$.	C212.1
2.	A 1 m long bar of rectangular cross sectiona 50 x 80 mm issubjected to an axial load of 1.2 kN. Write the maximum stress and strain energy developed in the bar if the load applied is (a) gradual (b) sudden (c) falls through a height of 25 mm. Take E = 205 GPa	C212.1
3.	Determine the deflection at the point D as shown below using following data L =3m,w=6 kn/m P=6 kN and EI= 5MN/m ² .	C212.1

Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Problem solving approach	6	4
Correction of answer	2	1
Timely submission	2	1
Total marks	10	1

Name and Signature of the Faculty Incharge G. GAYATHRIJ

AGAVATHI M.E.,Ph.D., HOL PRINCIPAL

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN **COLLEGE FOR WOMEN**

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DEPARTMENT OF CIVIL ENGINEERING

Problem Solving Methodology

List of Students III year Civil-Problem Solving Method

Academic Year (2020-2021)

S.No	Register No	Name	Year/Sem	Name of the learning method
1	912618103003	Maheshwari V		tvame of the learning method
2	912618103005	Meenachi K		Problem Solving Method-
3	912618103008	Sathya M	III/VI	Tutorial
4	912618103009	Srividhya S	****	CE 8601/ Design of Steel Structural
5	912618103010	Umamaheswari K		Elements

Name and Signature of the Faculty Incharge

G. GAYATHRI, APICINE

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

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



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DEPARTMENT OF CIVIL ENGINEERING

Tutorial Answer sheet

Name of the Student: Dhesika parthi D

AU Register Number: 912617103002

	Tutorial -	- 01	Date of Issue:	02.03.2021	Marks	10
Course code	CE8601	Course Title	Design of Steel	Structural Eleme	nts	
Year	III	Semester	VI	Date of Submission	on: 05.03.202	1

Q.No	Questions	CO
2.110	Questions	СО
1.	Determine the design axial load on the column section ISHB 250, given that the height of column is 2.8 m & it is pin-ended & bracedalong minor axis. $f_y = 250 N/mm^2$, $f_u = 410 N/mm^2$, $E = 2 \times 10^5$ N/mm^2 .	C310.1
2.	i)A column of a building is subjected to the following working (service) loads: Dead load (DL) = 48kN and Live load (LL) = 24kN Determine the factored design load. ii)The loads on a floor beam of a commercial building are as below, Roof loads: Dead load = 6kN/m² Live load 4kN/m² Roof finish = 1.5kN/m² Determine the design load for limit state of strength and limit stateof serviceability.	C310.1
3.	(i) Enumerate with example of the various method of fabrication used in steel structures. ii)A tie bar 50mm x 80 mm is to carry a load of 80 kN. A specimen of the same quality steel of cross-sectional area 250 mm ² was tested in the laboratory. The maximum load carried by the specimen was 125kN. Find the ultimate strength and factor of safety.	C310.1

Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Problem solving approach	6	A
Correction of answer	2	
Timely submission	2)
Total marks	10	, 6

Name and Signature of the Faculty Incharge PRINCIPAL

SRI BHARATHIENGINEERING

COLLEGE FOR WOMEN

SR Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDLIKKOTTAL

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Criteria 2

Teaching-Learning and Evaluation

350

Key Indicator- 2.3. Teaching- Learning Process (40)

2020-2021
CIVIL ENGINEERING
PROBLEM SOLVING
MINI PROJECT



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

DEPARTMENT OF CIVIL ENGINEERING

Problem Solving Methodology

List of Students IV year Civil-Problem Solving Method

Academic Year (2020-2021)

Batch No	Register No	Name	Year/Sem	Topic	Name of the learning method	
	912617103001	Chandrika.C				
1	912617103002	Dhesikaparthi.D		Analysis And David Oc		
•	912617103003	Karthika.K	IV/VII	Analysis And Design Of		
	912617103005	Monika.K		Secretariat Building		
	912617103004					
2	912617103008	Priyadharshini.S	i.S Planning And D	Problem Solving		
	912617103010	Sivapriya.S	IV/VII	Planning And Designing Of Commercial Building	Method- Mini Project	
	912617103701	Lakshmi.A		Commercial Building		
	912617103006	Muthumeena.P				
3	912617103007	Pothumpen.A	IV/VII	Analysis And Design Of Civil		
	912617103009	Rajeswari.J	2., 111	Block		

Dr. S.THILAGAVATHIM.E., Ph.D.
PRINCIPAL

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

SRI BHAROD/GIMINEERING
COLLEGE FOR WOMEN



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DEPARTMENT OF CIVIL ENGINEERING

Problem Solving Methodology

IV Year/VII Semester Mini Project Batch List (2020-2021)

Batch No	Register Number	Students Name	Project Title	Guide Name
	912617103001	Chandrika.C		
1	912617103002	Dhesikaparthi.D	Analysis And Design	M. C. C. IV.
1	912617103003	Karthika.K	Of Secretariat Building	Ms.G.GAYATHRI AP/CIVIL
	912617103005	Monika.K	Duilding	
	912617103004	Kasthuri.K	Planning And	
2	912617103008	Priyadharshini.S		W 5515
2	912617103010	Sivapriya.S	Designing Of Commercial Building	Mrs.R.PADMA RANI AP/CIVIL
	912617103701	Lakshmi.A	_ commercial building	
	912617103006	Muthumeena.P	Analysis And Design Of Civil Block	Dr. S.THILAGAVATEI M.E.,Ph
3	912617103007	Pothumpen.A		SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Mrs.P.DENNISaikkurchi - 622 303, Pudukkottai Dt.
912617103009 Rajeswar	Rajeswari.J	Of Civil Block	FLORA AP/CIVIL	

Project Coordinator

COLLECTION COLLECTION

PRINCIPAL VERING COLLEGE FOR WOMENING KAIKKURICHI - 622 303.





ANALYSIS AND DESIGN OF SECRETARIAT BUILDING

A PROJECT REPORT

Submitted by

C.CHANDRIKA

912617103001

D.DHESIKAPARTHI

912617103002

K.KARTHIKA

912617103003

K.MONIKA

912617103005

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 600 025

MARCH -2021

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "ANALYSIS AND DESIGN OF SECRETARIAT BUILDING" is the bonafide work of CHANDRIKA.C (912617103001), DESIKAPARTHI.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

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Pudukkottai - 622 303.

G. -

SIGNATURE

Ms.G.GAYATHRI, 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. 2.7. [3/2]

INTERNAL EXAMINER

EXTERNAL EXAMINER

Dr. S.THILAGAVATHI M.E.,Ph.D.,





PLANNING AND DESIGN OF COMMERCIAL BUILDING

DESIGN 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 600 025

MARCH - 2021

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

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PLANNING AND DESIGNING OF COMMERCIAL BUILDING" 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.

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Ms.R.MANJU, M.E.,

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SIGNATURE

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Submitted for the project viva – voice examination held on. 27:03.2021

INTERNAL EXAMINER

EXTERNAL EXAMINER

Dr. S.THILAGAVATHIM.E.,Ph.D.,

PRINCIPAL





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

A PROJECT REPORT

Submitted by

MUTHUMEENA.P

912617103006

POTHUMPEN.A

912617103007

RAJESWARI.J

912617103009

In partial fullfilment 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

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "ANALYSIS AND DESIGN OF CIVIL BLOCK" is the bonafide work of MUTHUMEENA.P (912617103006), POTHUMPEN.A (912617103007) and RAJESWARI.J (912617103009) who carried out the project work under my supervision.

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Submitted for the project viva – voice examination held on. 27/03/21

INTERNAL EXAMINER

EXTERNAL EXAMINER

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkotti - 74

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