

SRI BHARATHI

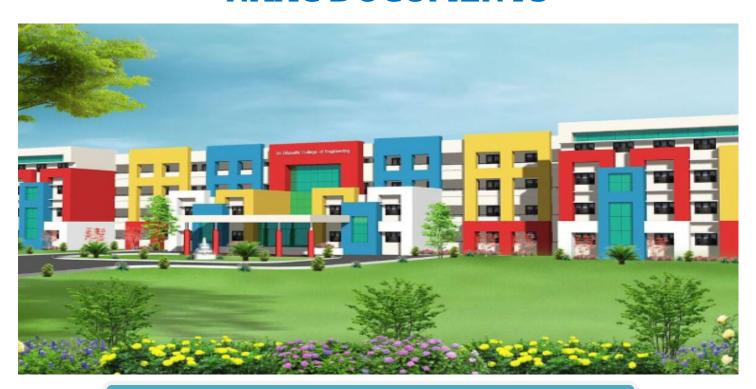
ENGINEERING COLLEGE FOR WOMEN

(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

THE PRINCE COLLEGE FOR WOOL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

Criteria 2 Teaching-Learning and Evaluation 350

Key Indicator- 2.6. Student Performance and Learning Outcome (90)

2.6.2 Attainment of POs and COs are evaluated (20)

2018-2019

ATTAINMENT EVALUATION OF POS & COS

CIVIL ENGINEERING

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Department of Civil Engineering Academic year: (2018 - 2019) PO-PSO ATTAINMENT

PO/PSO	STATEMENT	TARGET	ATTAINED VALUE	ATTAINMENT
PO1	Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.53	1.76	69.69%
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, natural sciences, and engineering sciences.	1.88	1.28	67.94%
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	1.55 miles	1.07	68.60%
PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	1.28	0.86	67.16%
PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	1.06	0.79	74.73%
PO6	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	1.39	1.03	73.93%
PO7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.	1.47	1.02	69.74%
PO8	Apply ethical principles and commit to professional ethics and responsibilities	PRINCIP	AL T.18 Ph.D.,	87.06

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	and norms of the engineering practice.			
PO9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.35	1.02	75.84%
PO10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to	1.31	0.92	70.10%
HARMAT	comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	10 minus 10 minus	Mark Markety	ORPORESO
PO11	Demonstrate knowledge and explaining of the engineering and management principles and apply these to one's own work, as a member and leader in a team,	1.03	0.77	74.16%
	to manage projects and in multidisciplinary environments.	/ Services	len outer	
PO12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	1.12	0.74	66.64%
PSO1	Knowledge of Civil Engineering discipline Demonstrate in-depth knowledge of Civil Engineering discipline, with an ability to evaluate, analyze and synthesize existing and new knowledge.	1.66	1.18	71.17%
PSO2	Critical analysis of Civil Engineering problems and innovation Critically analyze comple Civil Engineering problems, apply independent judgment for synthesizing information and make innovative advances in a theoretical, practical and policy context.	1.56	1.12	71.57%
16.13%	Conceptualization and evaluation of engineering solutions to Civil Engineering Issues Conceptualize and	Sala (AQQA a beur , a ai alsas	CHOCKET SUPPLY	76 5004
PSO3	solve Civil Engineering problems, evaluate potential solutions and arrive at technically feasible, economically viable and environmentally sound	1.43	1.09	76.58%
	solutions with due consideration of health, safety, and socio cultural factors.	or essess of franks br	opiciwoski knowiesta opisiwoski knowiesta	

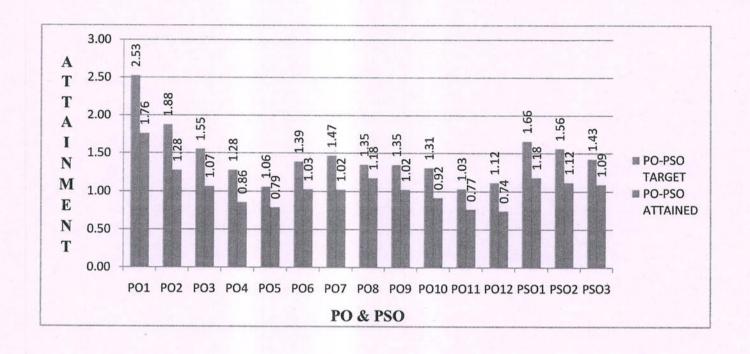
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CIVIL DEPARTMENT

ACADEMIC YEAR 2018-2019

CO-PO-PSO TARGET AND ATTAINMENT



HoD/ Civil HOD / CIVII

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PRINCIPAL

SRI BHARATHI ENGINEERING

KAIKKURICHI - 622 303. PUDUKKOTTAI DISTRICT

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

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COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkoitai Dt.



Department of Civil Engineering

Internal Assessment -Attainment of Course Outcomes (Inrough Dire	ct Assessment)	
ACADEMIC YEAR - 2018 - 19	BATCH	

Percentage of Students scored above Target

CO Attainment

CO attainment Values to plot the Graph

	ACADEMIC YEAR - 2018 - 19	BATCH			2016	- 2020		
COURSE CODE/TITLE	CE6504 Highway Engineering	COURSE OUTCOME	1	2	3	4	5	6
YEAR/SEM	III/V	TARGET(%)	65	65	65	65	65	65
COURSE COORDINATOR	Mr.S.Vetrivel	TOTAL STRENGTH				12		
	Level	Range						

ATTAINMENT LEVEL	1	UP TO 60% of the students scored more than target
	2	61 - 79% of the students scored more than target

																			-													
		3												805	% & A	BOVE	of the	stude	nts see	red m	ore tha	ın tarş	et									
			IA	T 1 - M	IARK	SALL	OTEL)	1	AT 2 -	MAR	RKSALLOTED			IAT 3 - MARKS ALLOTED					D	Assignment / Mini Project / Tutorial / Seminar				orial /	TOTAL COURSE OUTCOME						
S.NO	REG NO	NAME OF THE STUDENT	C1	C2	C3	C4	C5	C6	CI	C2	C3	C4	C5	C6	CI	C2	СЗ	C4	C5	C6	CI	C2	C3	C4	C5	C6	C1	C2	СЗ	C4	C5	Cé
			60	40			-				40	60							60	40		10	10			10	60	50	50	60	60	50
1	912616103001	AARTHI.G	49	33							33	49							53	35		9	9			9	49	42	42	49	53	44
2	912616103002	ANANTHIS	48	32							34	50							51	34		8	8			8	48	40	42	50	51	42
3	912616103003	ANUSIYA.C	51	34							35	53							45	30		7	7			8	51	41	42	53	45	38
4	912616103004	KANIMOZHI P	49	33							37	55							52	34		8	8			8	49	41	45	55	52	42
5	912616103005	LAVANYA.K	53	36			-		-		36	54							54	36	6	8	8			8	53	44	44	54	54	44
6	912616103006	MASILAMANI M	55	37							33	50							48	32		8	8			8	55	45	41	50	48	40
7	912616103007	MENAKA.R	58	38							38	58							57	38		9	9			8	58	47	47	58	57	46
8	912616103008	PRAVEENA.M	53	36							36	54							54	36		9	9			9	53	45	45	54	54	45
9	912616103301	GOWSIKA N	51	34							37	55							51	34	100	8	8			8	51	42	45	55	51	42
10	912616103302	KALISWARI M	56	38							37	55							57	38	- 1	9	9			9	56	47	46	55	57	47
11	912616103303	MAHESWARI M	53	36							37	56							53	36	7 1	9	8			8	53	45	45	56	53	44
12	912616103304	SARATHAPRITHA S	54	36							38	57							52	35		9	9			9	54	45	47	57	52	44
							1000												Targe								39.0	32.5	32.5	39.0	39.0	32.5
															-	No. of	Studer	its scor	red abo	ve CO	s Targ	get Val	ue				12	12	12	12	12	12

Course Outcomes Vs Attainment Level Attainment Level 0 Course Outcomes (C1, C2, C3, C4, C5 & C6)

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HoD/CIVIL

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HOD / CIVIL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

Department of Civil Engineering

COURSE OUTCOME ATTAINMENT - UNIVERSITY EXAMINATION ACADEMIC YEAR: 2018 - 2019 (ODD SEM)

YEAR/SEM: III/V

Batch:2016-2020

SUBJECT: CE6504 Highway Engineering

CO Attainment Level: 1 - (UPTO 60%) 2- (61%-79%)

3-(80% and Above)

TOTAL STRENGTH: 12

	Univ. Grade	NAME	. Register No	S.NO				
	С	AARTHI.G	912616103001	1				
	U	ANANTHI.S	912616103002	2				
	UA	ANUSIYA.C	912616103003	3				
	Е	KANIMOZHI.P	912616103004	4				
	С	LAVANYA.K	912616103005	5				
	Е	MASILAMANI.M	912616103006	6				
	С	MENAKA.R	912616103007	7				
	Е	PRAVEENA.M	912616103008	8				
	U	GOWSIKA N	912616103301	9				
	Е	KALISWARI M	912616103302	10				
	D	MAHESWARI M	912616103303	11				
	С	SARATHAPRITHA S	912616103304	12				
0	0	o. of S Grade						
0	0	o. of A Grade						
0	0	o. of B Grade						
4	4	o.of C Grade						
1	1	o. of D Grade						
4	4	o.of E Grade						
1	2	of UA Grade						
12	60		r course outcome Attainment					
12	5		s above the target					
	41.67		nt University (%)					

S. Vuul Faculty Incharge

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Overall Attainment Sheet - COs - POs & PSOs attainment calculation

СО	CO-Attainment Internal (CO- INT)	CO-Attainment University (CO-UNI)	Direct CO Attainment (0.20xCO-INT +	CO
Co	(Avg. Attainment of All section) (%)	(Avg. Attainment of All section) (%)	0.80xCO-UNI) (%)	Attainment Level
C304.1	100.0	41.67	53.3	1
C304.2	100.0	41.67	53.3	1
C304.3	100.0	41.67	53.3*	- 1
C304.4	100.0	41.67	53.3	1
C304:5	100,0	41.67	53.3	1
C304.6	100.0	41.67	53.3	1

Expected CO-PO Level

A complete to the same of the		_		- Pretter C		_	-	-	-		-			_	
Course	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C304.1	3	2	2	2	-	-	-	-	1	1	1	1	2	1	1
C304.2	3	2	2	2	-	-	-		1	1	1	1	2	1	1
C304.3	3	2	2	2	-	-		-	1	1	1	1	2	1	1
C304.4	3	2	2	2		1			1	1	1	1	2	1	1
C304.5	3	2	2	2		- "			1	1	1	1	2	1	1
C304.6	3	2	2	2	-	-		-	1	1	1	1	2	1	1
C304	3	2	2	2	-	1		-	1	1	1	1	2	1	1
				PO Attain	ment Leve										
Commo	DO1	DO3	DO2	DO4	DO5	DO.	DO2	DOG	DO0	DO10	DOLL.	DO13	nco1	neon	DCOT

Course	POI	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C304.1	1	0.67	0.67	0.67	-	-		-	0.33	0.33	0.33	0.33	0.67	0.33	0.33
C304.2		0.67	0.67	0.67	-	-	-	-	0.33	0.33	0.33	0.33	0.67	0.33	0.33
C304.3	1	0.67	0.67	0.67				-	0.33	0.33	0.33	0.33	0.67	0.33	0.33
C304.4		0.67	0.67	0.67	-	0.33		-	0.33	0.33	0.33	0.33	0.67	0.33	0.33
C304.5		0.67	0.67	0.67	-	3-	-	-	0.33	0.33	0.33	0.33	0,67	0.33	0.33
C304.6	1	0.67	0.67	0.67	-	-	-	-	0.33	0.33	0.33	0.33	0.67	0.33	0.33
C304	1	0.67	0.67	0.67		0.33	-	-	0.33	0.33	0.33	0.33	0.67	0.33	0.33

Course Code	PO1	PO2	PO3	PO4	PO5		P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C304	3	2	2	2		1		-	1	1	1	1	2	1	1
Attainment	1	0.67	0.67	0.67	-	0.33	12.	-	0.33	0.33	0.33	0.33	0.67	0.33	0,33

Comments by Program Coordinator

Remarks by HoD S. VETRWEL, APILINITY Name and Signature

of the Faculty Member

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DEPARTMENT OF CIVIL ENGINEERING

ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT

ACADEMIC YEAR 2018-2019

In order to bridge the gap between the attained level with respect to the target level in each POs and PSOs, the following corrective measures were taken.

S.NO	NAME OF THE ACTIVITY PROPOSED	FOCUSED POS & PSOS
1.	Value Added Course (VAC) - Corrosion of	PO1,PO2,PO3,PO4,PO5,PO9,PO10,
	RC structures.	PO12, PSO1,PSO2,PSO3
2.	Entrepreneurship & Development cell	PO6,PO7,PO8,PO11
	(EDC) - The Future of EdTech: Women	
	Entrepreneurs Revolutionizing Education.	
3.	Intellectual Property Rights (IPR) - IPR	PO6,PO7,PO8,PO11
	Strategies for Research and Development	
4.	Language and Communication Technology	PO9,PO10
	(LCT) - Language for everyday life.	
5.	Soft Skill Program - Enhancing soft skills for	PO10
	success and professional excellence.	
6.	Life Skill Program - Physical and mental	PO8
	health.	
7.	Information Communication Technology	PO5,PO12
	(ICT) tools - Collaborative tools for online	
	teaching and learning.	
8.	Research Methodology (RM) - Integrated	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
	Water Resources Management.	

HoD/Civil

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