

SRI BHARATHI

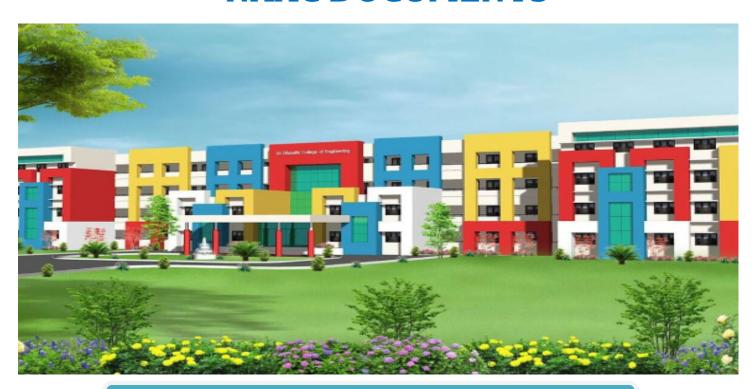
ENGINEERING COLLEGE FOR WOMEN

(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 OF LEGISLAND WORKS AND A STATE OF THE PRINCE OF

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)

2021-2022

ATTAINMENT EVALUATION OF POS & COS

COMPUTER SCIENCE AND ENGINEERING

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SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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

Department of Computer Science and Engineering Academic year (2021 - 2022) PO-PSO ATTAINMENT

PO/PSO	STATEMENT	TARGET	ATTAINED VALUE	ATTAINMENT
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.56	2.42	94.36%
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles ofmathematics, natural sciences, and engineering sciences.	2.04	1.94	95.09%
PO3	Design/development of solutions: 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.	1.77	a sale 1.70 as de sale	95.93%
PO4	Conduct investigations of complex problems: 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.	1.41		96.29%
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to	1.75	1.66	94.73%

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

PRINCIPAL SRI BHARATHI ENGINEERING

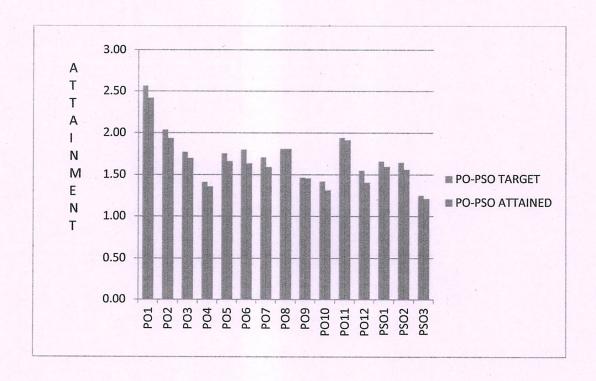
COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

	complex engineering activities with an understanding of the limitations.	MATERIA	Chief a later a solar a	mage 4
PO6	The engineer and society: 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.	1.80	1.64	90.91%
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	1.71	1.59	93.12%
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.81	1.81	100%
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.47	1.46	99.30%
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	1.42		olifier -
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	1.94	1.92	andorg bowdd gddonn PO9 bridyth andys
PO12	Life-long learning: 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.	1.55	1.41	90.66%

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PSO1	To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.	1.66	1.60	96.06%
PSO2	To apply software engineering principles and practices for developing quality software for scientific and business applications.	1.65	1.56	94.92%
PSO3	To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.	1.28	1.26	97.98%

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR 2021-2022 CO-PO-PSO TARGET



H6D/CSE

HOD / CSE

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PUDUKKOTTAI - 622 303.

PRINCIPAL

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Dr. S.THILAGAVATHI M.E. Ph. BAIKKURICHI - 622 303.
PRINCIPAL PUDUKKOTTAI DISTRICT

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

SRI BHARATHI ENGINERRING COLLEGE FOR WOMEN, KAIKKURICHI

Department of Computer Science and Engineering

Internal Assessment -Attainment of Course Outcomes (Through Direct Assessment)

				ACAD	EMIC	YEA	R - 20	21 - 22					-										BA	тсн		,			2019 - 2	.023		
COU	RSE CODE/TITLE	CS8691(C311) / ARTIFICIAL I	NTELL	IGENCI	Е										By-							CO	JRSE	OUTC	OME		1	2	3	4	5	6
lo.Ki.	YEAR/SEM	III / VI							i bath														TARC	GET(%)	12.00		65	65	65	65	65	65
c	COURSE OORDINATOR	B.KAVIPRIYA			ri.	KID H	n tulci										1	£			1.6	то	TAL S	TRENC	стн				21	ε		
4		Level		-								- 5							Range	e				Ţ							5 %	S 84
	A VANDARDARE A REALER	1													UP	TO 60	% of t	the st	idents s	scored	more t	han ta	get									
ATT	AINMENT LEVEL	2													61	- 79%	of the	e stud	ents sc	ored n	nore th	an targ	et									
		3													80% &	& ABC	OVE of	f the s	tudent	scor	ed mor	than	target								110	2.04
			IA	AT 1 - M	IARK	S ALL	OTE	D	L	AT 2 -	MAR	KS AI	LLOT	ED	L	AT 3 -	MAR	KS A	LLOTI	ED	Assi	gnmen		i Projec	t/Tuto	orial /		TOTAL	COURSI	3 OUTC	ЭМЕ	
S.NO	REG NO	NAME OF THE STUDENT	C1	C2	СЗ	C4	C5	C6	C1	C2	СЗ	C4	C5	C6	C1	C2	СЗ	C4	C5	C6	C1	C2	СЗ	C4	C5	C6	C1	C2	СЗ	C4	C5	C6
		1	60	40							40	60							60	40		10	10	nk-	in a	10	60	50	50	60	60	50
1	912619104001	ANNAPOORANI M	43	29							13	20							45	30		7	8			8	43	36	21	20	45	38
2	912619104003	ARUNNAVAMEENA A	41	27	516						27	40							43	28		8	8			8	41	35	35	40	43	36
3	912619104004	DAYANA P	39	26						1	27	40							47	31		8	9			7	39	34	36	40	47	38
4	912619104005	DHARSHINI D	47	31			2				34	50				, D			44	30		9	7			8	47	40	41	50	44	38
5	912619104007	FAHMIDHA B	52	34	7					-	37	55				J.	1		55	37		7	8			9	52	41	45	55	55	46
6	912619104009	GULNAS FATHIMA S	56	37			1				38	56							56	38		8	8			7	56	45	46	56	56	45
7	912619104010	HELAN J	56	38							35	52	1 A			W PA	D.A	13.5	56	38	0	8	8			9	56	46	43	52	56	47
8	912619104011	KEERTHANA R	49	32							30	45		ME	MB	140	ASI	l, in	43	29		9	7			7	49	41	37	45	43	36
9	912619104012	MUTHULAKSHMI G	49	32							27	40	Bha	JVV	HO	7 %	ЭH	lj.	47	31		7	8			9	49	39	35	40	47	40
10	912619104013	MUTHU MEENAKSHI M	38	26						1	28	42	10713	W 100 100	1,64	W 3.	9-	EQ.1	47	31		7	9			8	38	33	37	42	47	39
11	912619104014	NIROSHIKA R	43	29			1/2				27	40			1			1	47	32		8	8			9	43	37	35	40	47	41
12	912619104017	PARAMESHWARI S	41	28							26	38							45	30		8	8			. 8	· 41	36	34	38	45	38
13	912619104019	RANJANI K	43	28				1			21	31							44	29		7	9			7	43	35	30	31	44	36
14	912619104020	RILWANA PARVEEN J	58	38							37	55							54	36		9	8			9	58	47	45	55	54	45
15	912619104021	ROOPINA R	42	28							27	40							43	28		8	7			8	42	36	34	40	43	36
16	912619104022	SANDHIYA B	41	27							29	43							44	29		7	9			8	41	34	38	43	44	37
17	912619104023	SANTHI D	37	25							24	37							43	29		8	8			8	37	33	32	37	43	37

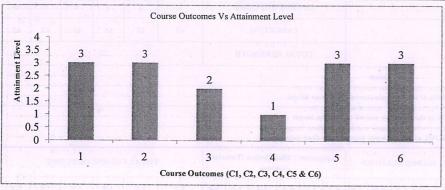
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Kaikkurchi - 622 303, Pudukkotlai Dt.

18	912619104024	SARANYA C	46	30
19	912619104027	SNEHA R	42	28
20	912619104029	SURIYA JOTHI S	43	28
21	912619104301	ABINAYA S	39	26

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			CO's	Target	Value	e		1	1137 1 10	The L	a Police	39.0	32.5	32.5	39.0	39.0	32.5	
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	Pero	entage	of Stu	dents s	cored	above ?	Farget					90.5	100.0	76.2	66.7	100.0	100.0	
1			CC	Attain	ment	7			7.7	165.41		3	3	2	- 1	3	3	
	CC	attair	ment \	Values	to plo	t the G	raph				1	3	3	2	1	3	3	



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HOD / CSE SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI,

PUDUKKOTTAI - 622 303

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

DEPARTMENT OF CSE

COURSE OUTCOME ATTAINMENT - UNIVERSITY EXAMINATION ACADEMIC YEAR: 2021 - 2022 (EVEN SEM)

YEAR /SEM: III CSE / V I

Batch:2019-2023

SUBJECT :CS8691(C311) / ARTIFICIAL INTELLIGENCE

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

3-(80% and Above)

TOTAL STRENGTH:

21

S.NO	Register No	NAME	Univ. Grade	
1	912619104001	ANNAPOORANI M	В	
2	912619104003	ARUNNAVAMEENA A	В	
3	912619104004	DAYANA P	В	
4	912619104005	DHARSHINI D	В	
5	912619104007	FAHMIDHA B	A	
6	912619104009	GULNAS FATHIMA S	A	
7	912619104010	HELAN J	A	
8	912619104011	KEERTHANA R	В	
9	912619104012	MUTHULAKSHMI G	В	
10	912619104013	MUTHU MEENAKSHI M	B+	
11	912619104014	NIROSHIKA R	В	
12	912619104017	PARAMESHWARI S	U	
13	912619104019	RANJANI K	В	
14	912619104020	RILWANA PARVEEN J	A	
15	912619104021	ROOPINA R	В	
16	912619104022	SANDHIYA B	В	
17	912619104023	SANTHI D	В	
18	912619104024	SARANYA C	В	
19	912619104027	SNEHA R	В	
20	912619104029	SURIYA JOTHI S	U	
21	912619104301	ABINAYA S	U	
	No.	of O Grade	0	0
	No.	of A+ Grade	0	0
	No.	of A Grade	4	4
	No.	of B+ Grade	1	1
	No.	13	13	
	No.	of U Grade	3	3
		of UA Grade	0	0
	course outcome Attai	nment	60	
	ents above the target		18	
)-Attaini	ment University (%)	85.71	

HOD / CSE

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303

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со	CO-Attainment Internal (CO-INT) (Avg. Attainment of All section) (%)	CO-Attainment University (CO-UNI) (Avg. Attainment of All section) (%)	Direct CO Attainment (0.20xCO-INT + 0.80xCO-UNI) (%)	CO Attainment Level
C311.1	90.5	85.71	86.7	2
C311.2	100.0	85.71	88.6	3.
C311.3	76.2	85.71	83.8	3
. C311.4	66.7	85.71	81.9	3
C311.5	100.0	85.71	88.6	3
C311.6	100.0	85.71	88.6	3

Closure of the Quality Loop:

		СО	Action					
CO C311.1	14	-15	15-1	16	11	5-17	Attainment Gap for (%) 16-17	Proposed to
	65	79.71	65	69	65			
C311.2	65	79.71	65			86.7	-	-
C311.3	65	79.71		71.17	65	88.6	-	-
C311.4			.65	63.15	65	83.8	-	-
	65	79.71	65	75.11	65	81.9		
C311.5	65	79.71	65	73.57				-
C311.6	65	79.71			65	88.6	-	-
		19.71	65	68.44	65	88.6		

Expected CO-PO Level

Course	PO1	PO2	PO3	PO4	1										
C311.1	2	2	1	F04	P05	PO6	PO7	PO8	P09	PO10	PO11	PO12	PSO1	PSO2	PSO 3
C311.2	3	2		1	-		-	-		-	-	-	1	1	1
C311.3	2	2				-	- 1				-	-	2	2	1
C311.4	2	7			•		•		- 1			-	. 1	1	1
C311.5	2				-		1					-	- 1	T	2
311.6	2			- !		-		-	-	-			-1	1	2
C311	2.2	. 1.8	12	1		-		- 1			Mark Control		1	1	1
			1.2	1	-			-				-	1.2	1.2	1.3

				PO Attainment	Level										
Course	PO1	PO2	PO3	P04	PO5	P06	PO7	PO8	P09	L nous					
C311.1	2	2				100	101	100	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO 3
C311.2	3	2	3		<u> </u>	-	7			-	-	-	1	1	. 1
C311.3	2	2	2		<u> </u>	· ·	-	-		-			2	2	1
C311.4	2	2			·		-			4	-		1	1	1
C311.5	2	1	<u> </u>			-			-		-		1	1'	2
C311.6	2				-			-	-	-			ľ	1	2
C211			ı			-				-			1		
C311	2.17	1.67	1.17	1		-	1.	-	-		-	-	1.17	1.17	1.3

Course				Attainment of POs and	PSOs:										
Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	0000	
C311	2.2	1.8	1.2		-					1010	1011	FO12	1501	PSO2	PSO2
Attainm	2.17				<u> </u>			-	-	-		-	1.2	1.2	1.3
ent	2.17	1.67	1.17	1						-			1.17	1.17	13
	7														1.5

Comments by Program Coordinato	1.	
Remarks by HoD		

Rame and Signature of the Faculty Member

3. KAYI PRIYA

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Kaikkurchi - 622 303, Pudukkottai Dt.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACTION TAKEN REPORT FOR CO- PO-PSO ATTAINMENT ACADEMIC YEAR 2021-2022

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

S.NO	Name of the activity Proposed	Focussed POs and PSOs
,	Value Added Course(VAC) - Internet	PO1,PO2,PO3,PO4,PO5,PO10,PO9,PO12
1	of Things with python	PSO1,PSO2,PSO3
2	Entrepreneurship Development Cell (EDC) – The Rise of Women-led E-	PO6,PO7,PO8,PO11
	commerce ventures	
3	Intellectual Property Rights (IPR) – Patents, Copyright and trademarks: A	PO6,PO7,PO8,PO11
	Comprehensive guide to IPR Protection	
4	Language and Communication Technology(LCT) - Modern Trends in	PO9,PO10
	English	
5	Soft Skill Program-Critical Thinking	PO10
6	Life Skill Program-Meditation	PO8
7	Information Communication Technology(ICT) tools – Hands-on Training on Web Testing Tools	PO5, PO12
8	Research Methodology(RM)-Artificial Intelligence and Machine Learning in Engineering Research	PO1,PO2,PO3,PO4, PSO1,PSO2,PSO3

HOD/CSE

HOD / CSE SRI BHARATHI ENGINEERING

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