

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 WORK AND THE PRINCE COLLEGE FOR WORK AN

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 ELECTRICAL AND ELECTRONICS

ENGINEERING

Table of Content

S.No	Particulars	Page No
1	CO-PO-PSO Attainment Report	3 - 4
2	CO-PO Attainment Sample Sheet	5 - 7
3	Action taken Report	8



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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Academic year (2021 - 2022) PO-PSO ATTAINMENT

PO/PSO	STATEMENT	TARGET	ATTAINED VALUE	ATTAINMENT %
PO1	Apply knowledge of mathematics, basic science and engineering science	2.69	2.43	90.14
PO2	Identify, formulate and solve engineering problems.	2.37	2.12	89.44
PO3	Design an electrical system or process to improve its performance, satisfying its constraints	2.02	1.81	89.92
PO4	Conduct experiments in electrical and electronics systems and interpret the data	1.67	1.51	90.39
PO5	Apply various tools and techniques to improve the efficiency of the system	1.51	1.43	94.32
PO6	Conduct themselves to uphold the professional and social obligations	1.79	1.69	94.68
PO7	Design the system with environment consciousness and sustainable development	1.55	1.41	91.18
PO8	Interacting industry, business and society in a professional and ethical manner	2.00	1.88	93.75
PO9	Function in a multidisciplinary team.	1.88	1.81	96.29
PO10	Proficiency in oral and written Communication	1.52	1.40	91.76
PO11	Implement cost effective and improved system	2.00	1.88	93.91
PO12	Continue professional development and learning as a life-long activity.	1.30	1.19	91.43
PSO1	Ability to understand the principles and working of electrical components, circuits, systems and control that are forming a part of power generation, transmission, distribution, utilization, conservation and energy saving. Students can assess the power management, auditing, crisis and energy saving aspects.	2.58	2.42	93.81
PSO2	Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.	1.87	1.74	93.15
PSO3	Computing and Research Ability: Ability to use knowledge in various domains to identify research gaps and hence to provide solution which leads to new ideas and innovations.	1.55	1.48	95.71

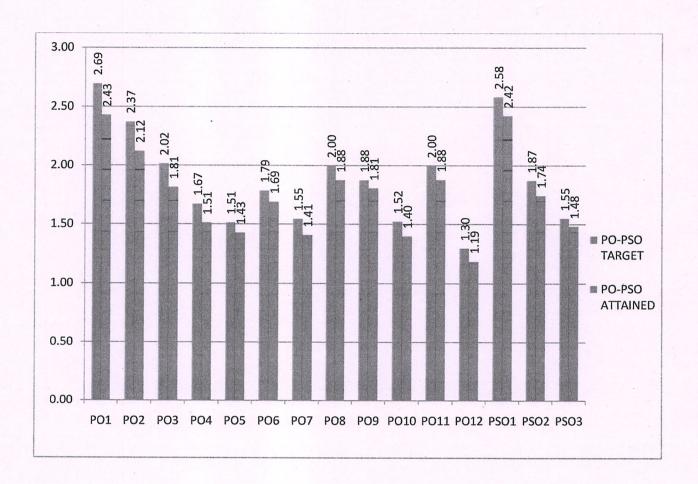
Dr. S:THILAGAVATHI M.E., Ph.D., PRINCIPAL

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

EEE DEPARTMENT

ACADEMIC YEAR 2021-2022

CO-PO-PSO TARGET AND ATTAINMENT



HODEEE

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI,

PUDUKKOTTAI - 62

PRINCIPAL PRINCIPAL

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

Dr. S:THILAGAVATHI M.E.,Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING

COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

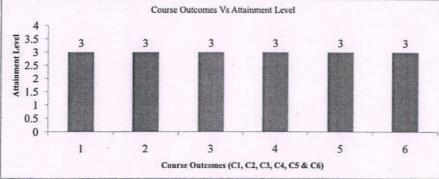


(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Department of Electrical and Electronics Engineering

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

				ACA	DEM	IC YE.	AR - 2	021 - 2	2022														BA	TCH					2020 - 2	024		
cou	RSE CODE/TITLE	EE8301 / ELECTRICAL MACE	IINES - I	I																		co	URSE	OUTC	OME		1	2	3	4	5	
	YEAR/SEM	пли														TARC	GET(%)		65	65	65	65	65	6							
C	COURSE OORDINATOR	Mrs. B.PRIYA			6																	то	TALS	TREN	GTH		1		8			-
		Level														,		R	inge		-											
ATT	AINMENT LEVEL	1												Ţ,	UP TO	60%	of the	studer	its sco	red mo	re than	targe	et									
Alle	TEMENT LEVEL	2													61 - 7	9% of	the st	udents	score	d mor	e than	target										
		3												80	% & A	BOV	E of th	e stud	ents s	cored r	nore th	an tar	rget		TELLER S			100	W.		112.00	
			IA	T1-N	MARK	S ALI	OTEL)		IAT 2	2 - MAR	KS ALL	OTED)	L	AT 3 -	MAR	KS AI	LOTI	TED Assignment / Mini Project /Tutorial /						orial/	TOTAL COURSE OUTCOME					
NO	REG NO	NAME OF THE STUDENT	C1	C2	C3	C4	C5	C6	CI	C2	C3	C4	C5	C6	CI	C2	C3	C4	C5	C6	C1	C2	СЗ	C4	C5	C6	C1	C2	C3	C4	C5	
			60	40							40	60							60	40		10	10			10	60	50	50	60	60	
1	912620105001	KAYALVIZHI K	55	37							34	52							55	37		7	8			8	55	44	42	52	55	1
2	912620105002	RAMADEVI S	54	36							33	49				-			42	28		8	8			8	54	44	41	49	42	
3	912620105003	SRINANTHANA S	54	36							33	50							44	29		8	8			8	54	44	41	50	44	-
4	912620105301	KALPANA T	48	32							32	48							31	20		7	8			7	48	39	40	48	31	
5	912620105302	KAVIYA R	52	34							33	49							55	37		9	7			8	52	43	40	49	55	1
6	912620105303	KOPPERNDEVI S	50	34							35	53							55	36		9	9	-		9	50	43	44	53	55	1
7	912620105304	NARMATHADEVI K	48	32							32	49							44	30		9	8			9	48	41	40	49	44	1
8	912620105305	SRIBHARATHI S	49	33							33	50							43	29		9	7			9	49	42	40	50	43	
					_						_			1	_			CO's	Carget	Value							39.0	32.5	32.5	39.0	39.0	3
		Course Outcomes Vs Att	ainment	Level								No. of Students scored above CO's Target Value 8 8 8 Percentage of Students scored above Target 100.0 100.0 100.0 100.0 100.0								7												
4	7															Perce	entage				ove Ta	rget					100.0	100.0	100.0	100.0	87.5	8
3.5	3	3 3		3		3			3			-				ac			Attains		the Gra	-					3	3	3	3	3	+



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

HODEEE

HOD EEE RI BHARATHI ENGINEERING COLLEGE FOR WOMEN KANKURICHI,



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

DEPARTMENT OF EEE

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

YEAR/SEM: II/III

Batch: 2020-2024

SUBJECT: EE8301 - ELECTRICAL MACHINES - I

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

3-(80% and Above)

TOTAL STRENGTH:

s.NO	Register No	NAME	Univ. Grade
1	912620105001	KAYALVIZHI K	A+
2	912620105002	RAMADEVI S	A+
3	912620105003	SRINANTHANA S	A+
4	912620105301	KALPANA T	UA
5	912620105302	KAVIYA R	A+
6	912620105303	KOPPERNDEVI S	0
7	912620105304	NARMATHADEVI K	A
8	912620105305	SRIBHARATHI S	A

No. of O Grade	1	1
No. of A+ Grade	4	4
No. of A Grade	2	2
No. of B+ Grade	0	0
No. of B Grade	0	0
No. of U Grade	0	0
No. of UA Grade	1	1
Target for course outcome Attainment	60	8
No of students above the target	7	
CO-Attainment University (%)	87.50	

Faculty Incharge

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

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

HOD EEE RI BHARATHI ENGINEERING COLLEGE FOR WOMEN KANKKURICHI,

PUDUKKOTTAI - 622 303.

Overall Attainment Sheet - COs - POs & PSOs attainment calculation

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
C204.1	100.0	87.50	90.0	3
C204.2	100.0	87.50	90.0	3
C204.3	100.0	87.50	90.0	3
C204.4	100.0	87.50	90.0	3
C204.5	87.5	87.50	87.5	3
C204.6	87.5	87.50	87.5	3 .

Expected CO-PO Level

Course	P01	PO2	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02	PS03
C204.1	3	3	2	1	18*21	-				1		1	3	2	-
C204.2	3	3	2	1	-				-	1	-	1	3	1	-
C204.3	3	3	2	1						1	-	1	3	1	-
C204.4	3	3	2	1	-		-		-	1		1	3	3	
C204.5	3	3	2	1		*	+		700	1	-	1	3	3	-
C204.6	3	3	2	1			-			1		1	3	3	-
C204	3	3	2	1		-				1	-	1	3	2	-

PO Attainment Level

			The state of the s	C. I minimum makes a sea 1 dec									CONTRACTOR OF THE		-
Course	POI	P02	PO3	P04	P05	P06	P07	P08	P09	P010	P011	PO12	PS01	PS02	PSO3
C204.1	3	3	2	1	-	-				1		1	3	2	-
C204.2	3	3	2	1		-				1	-	1	3	1	-
C204.3	3	3	2	1						1	-	1	3	1	
C204.4	3	3	2	1			-	-		1	-	1	3 `	3	-
C204.5	3	3	2	1	-	-	-		1.	1		1	3	3	-
C204.6	3	3	2	1				-		1	-	1	3	3	-
C204	3	3	2	1						1	-	1	3	2	-

Attainment of POs and PSOs:

Course Code	POI	P02	P03	P04	P05	P06	P07	P08	P09	P010	POH	P012	PS01	PS02	PSO3
C204	3	3	2	1			-	-	-	1	-	1	3	2	-
Attainment	3	3	2	1			-	-	-	1		1	3	2	

Comments by Program Coordinator	1.
Remarks by HoD	

Name and Signature of the Faculty Member

(Mrs. B. PRIYA)

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

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

HoD/EEE

HOD EEE
RI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAKKURICHI,
PUDUKKOTTAI - 822 303.



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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT

ACADEMIC YEAR 2021-2022

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) - ESP8266 Node MCU for IOT	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO12, PSO1,PSO2,PSO3
2.	Entrepreneurship & Development Cell (EDC)- Inspiring Women Entrepreneurs in Technology - Breaking the Glass Ceiling.	PO6,PO7, PO8, PO11
3.	Intellectual Property Right(IPR)- Patents, Copyrights and trademarks: A Comprehensive guide to IPR Protection.	PO6,PO7, PO8, PO11
4.	Language and Communication Technology (LCT) - Modern trend in English.	PO9, PO10
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 tool	PO5 ,PO12
8.	Research Methodology (RM)- Research Challenges in Embedded Systems	PO1,PO2,PO3,PO4, PSO1,PSO2,PSO3

HOD/EEE

HOD ELE RI BHARATHI ENGINEERING COLLEGE FOR WOMEN

PUDUKKOTTAI - 622 300

PRINCIPAL

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

PRINCIPAL RI BHARATHI ENGINEERING COLLEGE FOR WOMEN

'KAIKKURICHI - 622 303. PUDUKKOTTAI DISTRICT