



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

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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)

2020-2021

ATTAINMENT EVALUATION OF POs & COs

ELECTRICAL AND ELECTRONICS

ENGINEERING

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KAIKKURICHI, PUDUKKOTTAI-622-303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic year (2020 - 2021)

PO-PSO ATTAINMENT

PO/PSO	STATEMENT	TARGET	ATTAINED VALUE	ATTAINMENT %
PO1	Apply knowledge of mathematics, basic science and engineering science	2.63	1.92	72.98
PO2	Identify, formulate and solve engineering problems.	2.19	1.58	72.17
PO3	Design an electrical system or process to improve its performance, satisfying its constraints	1.88	1.40	74.53
PO4	Conduct experiments in electrical and electronics systems and interpret the data	1.54	1.18	76.71
PO5	Apply various tools and techniques to improve the efficiency of the system	1.27	0.97	76.10
PO6	Conduct themselves to uphold the professional and social obligations	1.77	1.41	79.70
PO7	Design the system with environment consciousness and sustainable development	1.33	0.89	66.54
PO8	Interacting industry, business and society in a professional and ethical manner	1.60	1.47	91.63
PO9	Function in a multidisciplinary team.	1.70	1.61	94.85
PO10	Proficiency in oral and written Communication	1.44	1.11	77.20
PO11	Implement cost effective and improved system	1.83	1.72	93.91
PO12	Continue professional development and learning as a life-long activity.	1.30	1.00	77.07
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.	2.40	1.75	73.24
PSO2	Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.	1.80	1.34	74.40
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.	1.47	1.16	78.50

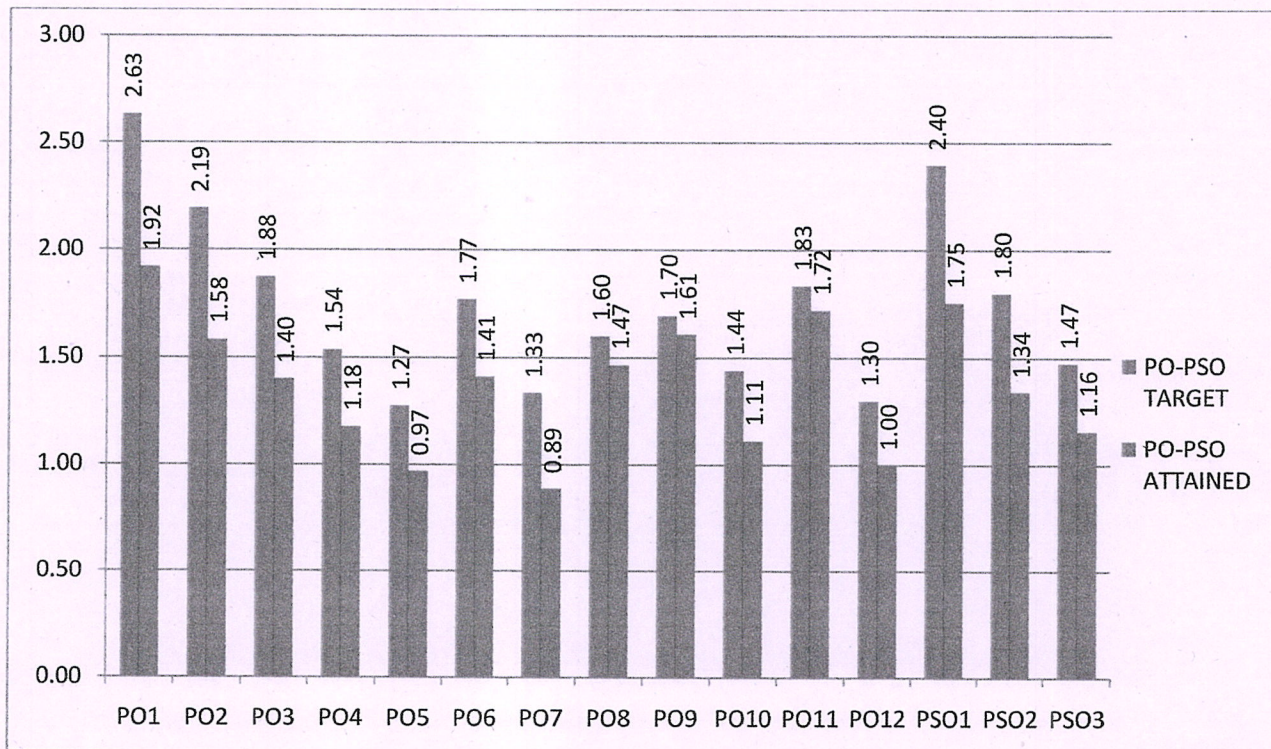
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Kaikkurichi - 622 303, Pudukkottai Dt.

EEE DEPARTMENT
ACADEMIC YEAR 2020-2021
CO-PO-PSO TARGET AND ATTAINMENT



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PUDUKKOTTAI DISTRICT

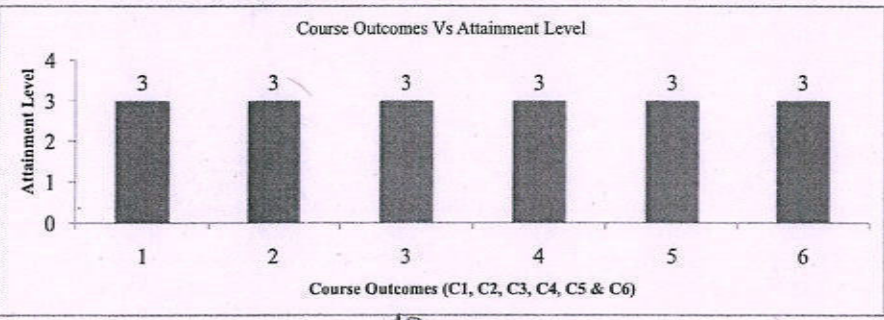
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Department of Electrical and Electronics Engineering
Internal Assessment - Attainment of Course Outcomes (Through Direct Assessment)

		ACADEMIC YEAR - 2020 - 2021														BATCH						2019 - 2023										
COURSE CODE/TITLE		EE8401 / ELECTRICAL MACHINES - II														COURSE OUTCOME						1	2	3	4	5	6					
YEAR/SEM		II/IV														TARGET(%)						65	65	65	65	65	65					
COURSE COORDINATOR		Mrs. A. PRIMROSE														TOTAL STRENGTH						11										
ATTAINMENT LEVEL		Level		Range																												
		1		UP TO 60% of the students scored more than target																												
		2		61 - 79% of the students scored more than target																												
		3		80% & ABOVE of the students scored more than target																												
S.NO	REG NO	NAME OF THE STUDENT	IAT 1 - MARKS ALLOTTED						IAT 2 - MARKS ALLOTTED						IAT 3 - MARKS ALLOTTED						Assignment / Mini Project / Tutorial / Seminar						TOTAL COURSE OUTCOME					
			C1	C2	C3	C4	C5	C6	C1	C2	C3	C4	C5	C6	C1	C2	C3	C4	C5	C6	C1	C2	C3	C4	C5	C6	C1	C2	C3	C4	C5	C6
			60	40							40	60							60	40		10	10			10	60	50	50	60	60	50
1	912619105001	AASHIKA R	48	32							39	59					55	36		8	8			8	48	40	47	59	55	44		
2	912619105002	ABINAYA S	44	29							36	55					53	36		8	8			8	44	37	44	55	53	44		
3	912619105003	ABITHA P	40	27							38	57					51	34		7	8			8	40	34	46	57	51	42		
4	912619105004	ARTHY N	50	33							37	56					50	33		8	7			7	50	41	44	56	50	40		
5	912619105005	DEEPIKA R	45	30							38	58					52	35		8	9			8	45	38	47	58	52	43		
6	912619105006	KOGULA PRIYA R	42	28							32	48					49	32		8	8			9	42	36	40	48	49	41		
7	912619105007	NISHA S	41	27							37	56					51	34		7	7			9	41	34	44	56	51	43		
8	912619105008	PAVITHRA M	53	35							38	57					52	35		7	8			7	53	42	46	57	52	42		
9	912619105009	PRAGADEESHWARI A	53	35							36	55					50	34		8	9			7	53	43	45	55	50	41		
10	912619105010	SIVARANJANI S	45	30							37	55					50	33		9	7			8	45	39	44	55	50	41		
11	912619105301	RAGAVI R	52	35							38	58					49	33		9	7			9	52	44	45	58	49	42		



	CO's Target Value	39.0	32.5	32.5	39.0	39.0	32.5
No. of Students scored above CO's Target Value		11	11	11	11	11	11
Percentage of Students scored above Target		100.0	100.0	100.0	100.0	100.0	100.0
CO Attainment		3	3	3	3	3	3
CO attainment Values to plot the Graph		3	3	3	3	3	3

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DEPARTMENT OF EEE

COURSE OUTCOME ATTAINMENT - UNIVERSITY EXAMINATION
ACADEMIC YEAR : 2020 - 2021 (EVEN SEM)

YEAR/SEM : II/IV

Batch: 2019-2023

SUBJECT : EE8401 - ELECTRICAL MACHINES - II

CO Attainment Level: 1 - (UPTO 60%) 2- (61%-79%) 3-(80% and Above)

TOTAL STRENGTH : 11

S.NO	Register No	NAME	Univ. Grade
1	912619105001	AASHIKA R	A+
2	912619105002	ABINAYA S	A+
3	912619105003	ABITHA P	A+
4	912619105004	ARTHY N	A
5	912619105005	DEEPIKA R	A+
6	912619105006	KOGULA PRIYA R	UA
7	912619105007	NISHA S	A+
8	912619105008	PAVITHRA M	A
9	912619105009	PRAGADEESHWARI A	A+
10	912619105010	SIVARANJANI S	A
11	912619105301	RAGAVI R	A+

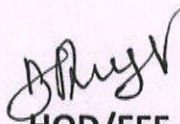
No. of O Grade	0	0
No. of A+ Grade	7	7
No. of A Grade	3	3
No. of B+ Grade	0	0
No. of B Grade	0	0
No. of U Grade	0	0
No. of UA Grade	1	1
Target for course outcome Attainment	60	11
No of students above the target	10	
CO-Attainment University (%)	90.91	


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Faculty Incharge


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Overall Attainment Sheet – COs - POs & PSOs attainment calculation

CO	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
C210.1	100.0	90.91	92.7	3
C210.2	100.0	90.91	92.7	3
C210.3	100.0	90.91	92.7	3
C210.4	100.0	90.91	92.7	3
C210.5	100.0	90.91	92.7	3
C210.6	100.0	90.91	92.7	3

Expected CO-PO Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C210.1	3	3	2	2	-	-	-	-	-	2	-	1	3	2	-
C210.2	3	3	2	2	-	-	-	-	-	2	-	1	3	1	-
C210.3	3	3	2	2	-	-	-	-	-	2	-	1	3	1	-
C210.4	3	3	2	2	-	-	-	-	-	2	-	1	3	3	-
C210.5	3	3	2	2	-	-	-	-	-	2	-	1	3	3	-
C210.6	3	3	2	2	-	-	-	-	-	2	-	1	3	3	-
C210	3	3	2	2	-	-	-	-	-	2	-	1	3	2	-

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C210.1	3	3	2	2	-	-	-	-	-	2	-	1	3	2	-
C210.2	3	3	2	2	-	-	-	-	-	2	-	1	3	1	-
C210.3	3	3	2	2	-	-	-	-	-	2	-	1	3	1	-
C210.4	3	3	2	2	-	-	-	-	-	2	-	1	3	3	-
C210.5	3	3	2	2	-	-	-	-	-	2	-	1	3	3	-
C210.6	3	3	2	2	-	-	-	-	-	2	-	1	3	3	-
C210	3	3	2	2	-	-	-	-	-	2	-	1	3	2	-

Attainment of POs and PSOs:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C210	3	3	2	2	-	-	-	-	-	2	-	1	3	2	-
Attainment	3	3	2	2	-	-	-	-	-	2	-	1	3	2	-

Comments by Program Coordinator	1. 2.
Remarks by HoD	

ABinrose
Name and Signature
of the Faculty Member
(A.Primrose)


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ACTION TAKEN REPORT FOR CO- PO-PSO ATTAINMENT

ACADEMIC YEAR 2020-2021

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) -Energy Auditing on Domestic Application conducted by SD Pro Solutions.	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO12, PSO1,PSO2,PSO3
2.	Entrepreneurship & Development Cell (EDC) - Innovative Approaches To Funding: A Guide For Women Entrepreneurs.	PO6,PO7, PO8, PO11
3.	Intellectual Property Right(IPR) - Ethical considerations in AI and IPR	PO6,PO7, PO8, PO11
4.	Language and Communication Technology (LCT) - 7C's of communication.	PO9, PO10
5.	Soft Skill Program - Leadership and Interpersonal skills.	PO10
6.	Life Skill Program - Menstrual hygiene	PO8
7.	Information Communication Technology (ICT) tools- Integrating Google workspace with other applications.	PO5 ,PO12
8.	Research Methodology (RM) -Optimizing Energy Consumption Management.	PO1,PO2,PO3,PO4, PSO1,PSO2,PSO3

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