



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



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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)

2018-2019

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 (2018 - 2019)

PO-PSO ATTAINMENT

PO/PSO	STATEMENT	TARGET	ATTAINED VALUE	ATTAINMENT %
PO1	Apply knowledge of mathematics, basic science and engineering science	2.78	1.90	68.49
PO2	Identify, formulate and solve engineering problems.	2.54	1.69	66.67
PO3	Design an electrical system or process to improve its performance, satisfying its constraints	2.41	1.59	66.20
PO4	Conduct experiments in electrical and electronics systems and interpret the data	1.73	1.17	67.47
PO5	Apply various tools and techniques to improve the efficiency of the system	1.77	1.16	65.28
PO6	Conduct themselves to uphold the professional and social obligations	1.90	1.18	61.86
PO7	Design the system with environment consciousness and sustainable development	1.22	0.89	72.64
PO8	Interacting industry, business and society in a professional and ethical manner	1.33	1.00	74.88
PO9	Function in a multidisciplinary team.	1.38	1.32	95.38
PO10	Proficiency in oral and written Communication	1.69	1.14	67.45
PO11	Implement cost effective and improved system	1.00	1.00	100.00
PO12	Continue professional development and learning as a life-long activity.	1.67	1.10	65.83
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.	1.98	1.90	95.59
PSO2	Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.	1.90	1.85	97.44
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.	1.07	1.07	100.00

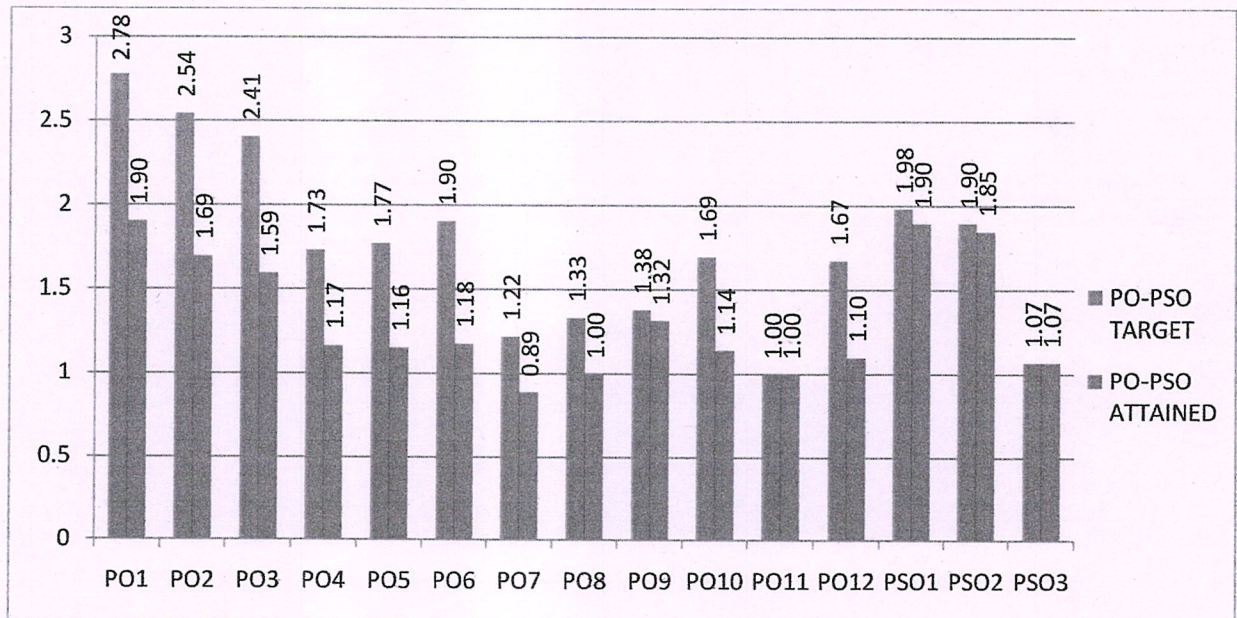
Dr. S. THILAGAVATHI M.E., Ph.D.,

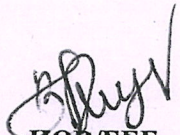
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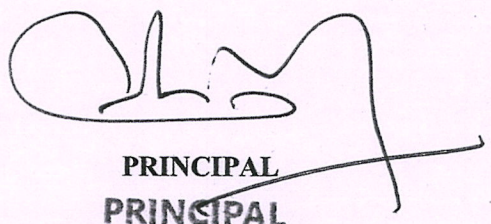
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EEE DEPARTMENT
ACADEMIC YEAR 2018-2019
CO-PO-PSO TARGET AND ATTAINMENT




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Dr. S.THILAGAVATHI M.E., Ph.D.,
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Department of Electrical and Electronics Engineering

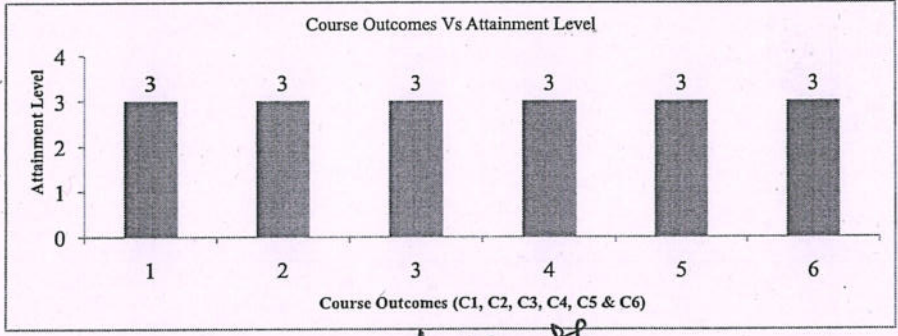
Internal Assessment -Attainment of Course Outcomes (Through Direct Assessment)

ACADEMIC YEAR - 2018 - 2019		BATCH		2017 - 2021							
COURSE CODE/TITLE	EE8391 / ELECTROMAGNETIC THEORY	COURSE OUTCOME				1	2	3	4	5	6
YEAR/SEM	II/III	TARGET(%)				65	65	65	65	65	65
COURSE COORDINATOR	Mr. A.ABDUL BASEETH	TOTAL STRENGTH				9					

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	912617105001	NAZEERA BANUJI	55	37					36	54					55	36	7	8			8	55	44	44	54	55	44					
2	912617105002	PARTHICA.S	54	36					36	53					55	37	8	8			8	54	44	44	53	55	45					
3	912617105003	PRIYA.T	49	32					34	52					52	34	8	8			8	49	40	42	52	52	42					
4	912617105004	SAJINA.K	48	32					35	52					51	34	7	8			7	48	39	43	52	51	41					
5	912617105005	SELSIYA.R	48	32					35	52					51	34	9	7			8	48	41	42	52	51	42					
6	912617105006	THENMOZHILJ	53	35					35	53					56	37	9	9			9	53	44	44	53	56	46					
7	912617105007	VANITHA.E	49	32					33	50					50	33	9	8			9	49	41	41	50	50	42					
8	912617105301	PRASANNA P	50	34					36	55					55	37	9	8				50.4	43	45	55	55	37					
9	912617105302	SIYAMALADEVIS	52	35					37	56					56	37	10	8			9	52	45	45	56	56	46					

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	9	9	9	9	9	9
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



A. Baseeth
Faculty Incharge

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DEPARTMENT OF EEE

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

YEAR/SEM : II/III

Batch: 2017-2021

SUBJECT : EE8391 - ELECTROMAGNETIC THEORY

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

TOTAL STRENGTH : 9

S.NO	Register No	NAME	Univ. Grade
1	912617105001	NAZEERA BANU.I	A
2	912617105002	PARTHIKA.S	B+
3	912617105003	PRIYA.T	UA
4	912617105004	SAJINA.K	B
5	912617105005	SELSIYA.R	B+
6	912617105006	THENMOZHI.J	B+
7	912617105007	VANITHA.E	B+
8	912617105301	PRASANNA P	B
9	912617105302	SIYAMALADEVI S	B+

No. of O Grade	0	0
No. of A+ Grade	0	0
No. of A Grade	1	1
No. of B+ Grade	5	5
No. of B Grade	2	2
No. of U Grade	0	0
No. of UA Grade	1	1
Target for course outcome Attainment	60	9
No of students above the target	8	
CO-Attainment University (%)	88.89	

A. Beeth
Faculty Incharge

Thy
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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
C203.1	100.0	88.89	91.1	3
C203.2	100.0	88.89	91.1	3
C203.3	100.0	88.89	91.1	3
C203.4	100.0	88.89	91.1	3
C203.5	100.0	88.89	91.1	3
C203.6	100.0	88.89	91.1	3

Expected CO-PO Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C203.1	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.2	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.3	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.4	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.5	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.6	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C203.1	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.2	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.3	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.4	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.5	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203.6	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
C203	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-

Attainment of POs and PSOs:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C203	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-
Attainment	3	2	2	1	1	-	1	-	-	1	-	1	3	1	-

Comments by Program Coordinator	1. 2.
Remarks by HoD	

A. Baseeth
Name and Signature
of the Faculty Member

(Mr. A-ABDUL BASEETH)

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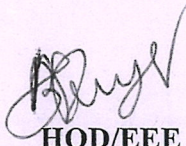
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ACTION TAKEN REPORT FOR CO- PO-PSO ATTAINMENT

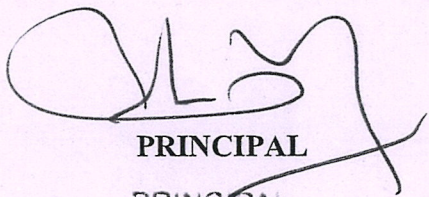
ACADEMIC YEAR 2018-2019

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) -Electrical Control Design in Real Time Applications.	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO12, PSO1,PSO2,PSO3
2.	Entrepreneurship & Development Cell (EDC) - The Future of EdTech: Women Entrepreneurs Revolutionizing Education	PO6,PO7, PO8, PO11
3.	Intellectual Property Right(IPR) - IPR Strategies for Research and Development	PO6,PO7, PO8, PO11
4.	Language and Communication Technology (LCT) - Language for everyday life.	PO9, PO10
5.	Soft Skill Program - Enhancing soft skills for success and professional excellence.	PO10
6.	Life Skill Program -Physical and Mental health	PO8
7.	Information Communication Technology (ICT) tools- Collaborative tools for online teaching and learning.	PO5 ,PO12
8.	Research Methodology (RM) - Research on energy audit from the perspective of environmental protection.	PO1,PO2,PO3,PO4, PSO1,PSO2,PSO3


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