

## BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI- 636 112, SALEM.

# 2.6.2 ATTAINMENT EVALUATION OF POS &COS ACADEMIC YEAR 2021-2022

## Index Criterion 2.6.2

## <u>Course Outcome-Program Outcome-Program Specific Outcome</u> <u>(CO-PO-PSO)Attainment Evaluation</u>

ACADEMIC YEAR	DEPARTMENTS	PAGE NUMBER
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	CIVIL	8-11
2021-2022	ECE	12-15
	EEE	16-19
	Sample Documents	20-23



# BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CO-PO-PSO ATTAINMENT ACADEMIC YEAR 2021-2022

Statement	Target	Attained value	Attainment %
Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.75	2.49	90.55
Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	1.94	1.78	91.75
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	1.61	1.51	93.79
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	1.21	1.18	97.52
Modern tool usage: 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.	1.12	PR	INCIPAL, YAR INSTITUTE O
	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.  Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences  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  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  Modern tool usage: 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	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.  Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences  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  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  Modern tool usage: 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	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.  Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences  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  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  Modern tool usage: 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.

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.	1.71	1.43	83.63
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.	1.63	1.38	84.66
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.66	1.52	91.57
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.55	1.43	92.26
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.	1.49	1.41	94.63
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	1.13	1.11	98.23
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.	1.24	1.15	92.74
PSO1	To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.	1.95	1.79	91.79
PSO2	To apply software engineering principles and practices for developing quality software for Scientific and business applications.	1.58 Dr.R.PVN	DHA,ME,Ph.D.,	95.57

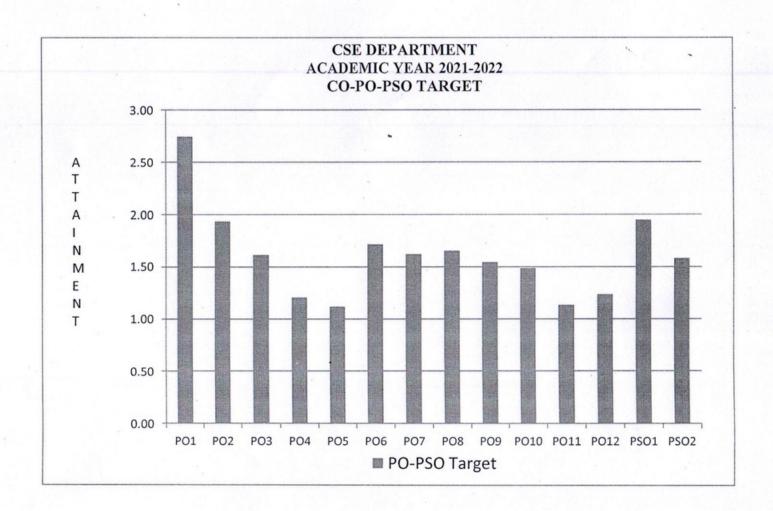
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BHARATHIVAR INSTITUTE OF

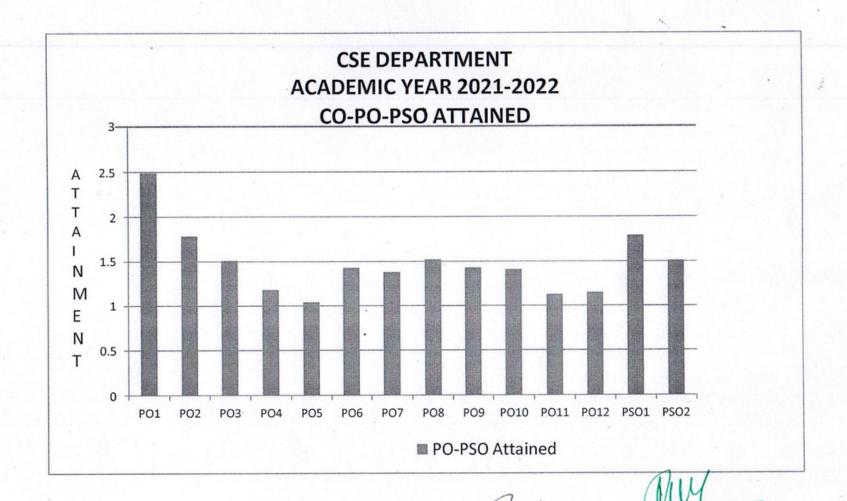
ENGINEERING FOR WOMEN,

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### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112,SALEM

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT

### ACADEMIC YEAR 2021-2022

Department Assessment and Evaluation Committee (DAEC) and Department Assessment and Evaluation Committee (DAEC) had analyzed the CO-PO-PSO attainment of the each department. The Course outcomes of each subject were collected and Program Outcome Attainment and Program Specific Outcome attainment was evaluated for each Course Outcome.

The action taken summary was followed as,

1) The Course attainment percentage of the all Program Outcome and Program Specific Outcomes were Obtained the percentage of 70 and above. So the target value is achieved.

Action taken: NIL

UNIDHA, M.E., Ph.D.,

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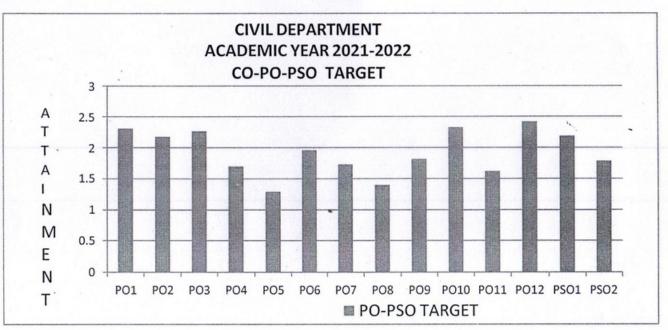
# BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM DEPARTMENT OF CIVIL ENGINEERING CO-PO-PSO ATTAINMENT ACADEMIC YEAR 2021-2022

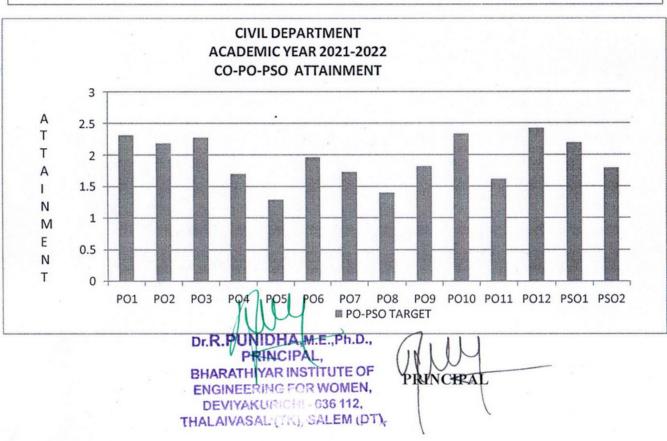
PO/PSO	Statement	Target	Attained value	Attainment
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	2.31	2.02	87.45
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, natural sciences, and engineering sciences	2.18	1.91	87.61
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.	2.27	2.03	89.43
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	1.7	1.52	89.41
PO5	Modern tool usage: 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	1.29	Dr.R.F.WNIDHA PRINCI BHARATHIYAR II ENGINEERING	PAL, STITUTE OF

THALAIVASAL'(TK), SALEM (DT).

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	1.96	1.87	95.41
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.	1.73	1.61	93.06
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.4	1.27	90.71
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.82	1.62	89.01
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	2.33	2.29	98.28
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	1.62	1.59	98.15
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.	2.42	2.35	97.11
PSO1	To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.	2.19	1.95	89.04
PSO2	To apply software engineering principles and practices for developing quality software for Scientific and business applications.	1.79	U 1.68	93.85

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### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM

### DEPARTMENT OF CIVIL ENGINEERING

### ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT

#### ACADEMIC YEAR 2021-2022

Department Assessment and Evaluation Committee (DAEC) and Department Assessment and Evaluation Committee (DAEC) had analyzed the CO-PO-PSO attainment of the each department. The Course outcomes of each subject were collected and Program Outcome Attainment and Program Specific Outcome attainment was evaluated for each Course Outcome.

The action taken summary was followed as,

1) The Course attainment percentage of the all Program Outcome and Program Specific Outcomes were obtained the percentage of 70 and above. So the target value is achieved.

Action taken: NIL

THALAIVASAL (IK), SALEM (DT),



### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### CO-PO-PSO ATTAINMENT

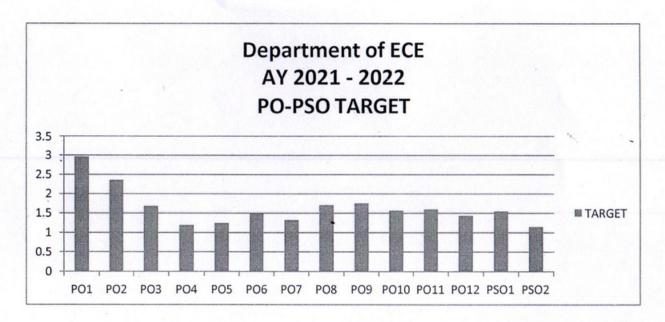
### ACADEMIC YEAR 2021-2022

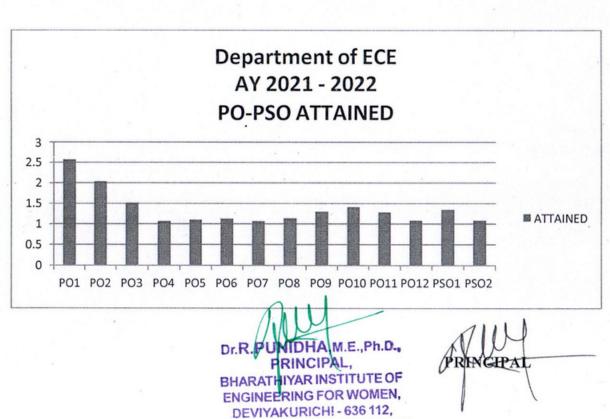
PO/PSO	Statement	Target	Attained value	Attainment
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.97	2.57	86.5
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	2.36	2.04	86.4
PO3	<b>Design/development of solutions:</b> 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	1.68	1.52	90.5
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	1.2	1.07	89.2
PO5	Modern tool usage: 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.	1.25	1.1	88.0
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.	1.5	1.13	75.3
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.	1.33	1.07 A.E.,Ph.D.,	80.5
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	PRINCIPA IARATHITAR INS	TITUTE OF 1.14	66.7

DEVIYAKURICH! - 636 112, THALAIVASAL (TK), SALEM (DT).

PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.76	1.3	73.9
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.	1.57	1.41	89.8
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	1.6	1.29	80.6
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.	1.44	1.09	75.7
PSO1	Apply the principles of advanced communication systems, IoT based embedded systems, Advanced Signal & Image Processing, modern Semiconductor Technologies to develop digital forums.	1.55	1.35	87.1
PSO2	Develop their individual identities to adapt, understand and resolve the problems associated with wireless communication network as an individual or in a team with responsible view towards the society and environment.	1.15	1.09	94.8

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### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT

### ACADEMIC YEAR 2021-2022

Department Assessment and Evaluation Committee (DAEC) and Department Assessment and Evaluation Committee (DAEC) had analyzed the CO-PO-PSO attainment of the each department. The Course outcomes of each subject were collected and Program Outcome Attainment and Program Specific Outcome attainment was evaluated for each Course Outcome.

The action taken summary was followed as,

1)The Course attainment percentage of the all Program Outcome and Program Specific Outcomes except PO8 were obtained the percentage of 70 and above. So the target value is achieved.

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### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM

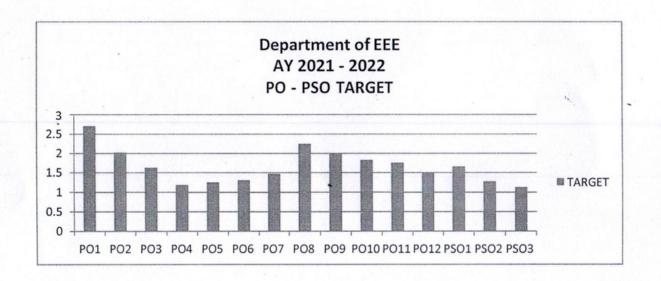
# Department of Electrical and Electronics Engineering CO-PO-PSO ATTAINMENT ACADEMIC YEAR 2021-2022

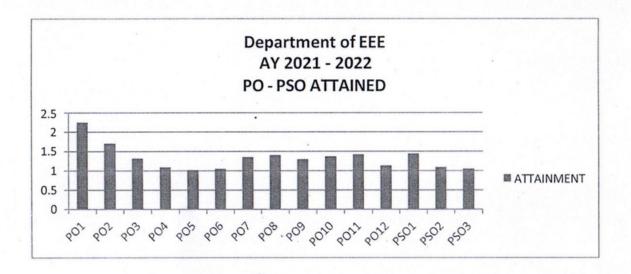
PO/PSO	Statement	Target	Attained value	Attainment %
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.71	2.25	83
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	2.02	1.7	84.2
PO3	<b>Design/development of solutions:</b> 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	1.63	1.32	81
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	1.19	1.09	91.6
PO5	Modern tool usage: 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.	1.25	1.01	80.8
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.	PF	TDHA,M.F.,Ph.D., RINCIPAL, YAR INSTITUTE OF RING FOR WOMEN,	

ENGINEERING FOR WOMEN, DEVIYAKURICH! - 636 112, THALAIVASAL'(TK), SALEM (DT).

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.	1.47	1.35	91.8
PO8	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	2.25	1.4	62.2
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	2	1.29	64.5
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.	1.83	1.37	74.9
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	1.75	1.42	81.1
PO12	<b>Life-long learning:</b> 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.	1.5	1.13	75.3
PSO1	Apply knowledge of mathematics, engineering sciences and multidisciplinary knowledge to the solution of electrical and electronics engineering problems.	1.66	1.44	86.7
PSO2	Ability to apply technological developments in field of Electrical & Electronics Engineering in Societal and environmental Context and Communicate effectively both individually and in multidisciplinary teams.	1.28	1.09	85.2
PSO3	Contribute for the development of smart power grid and integrating green energy on it to meet the increasing demand of the society.	1.13	1.05	92.9

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### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT

### ACADEMIC YEAR 2021-2022

Department Assessment and Evaluation Committee (DAEC) and Department Assessment and Evaluation Committee (DAEC) had analyzed the CO-PO-PSO attainment of the each department. The Course outcomes of each subject were collected and Program Outcome Attainment and Program Specific Outcome attainment was evaluated for each Course Outcome.

The action taken summary was followed as,

The Course attainment percentage of the all Program Outcome Program Specific Outcomes except PO8,PO9 were obtained the above 70 percentage. So the target value is more or less achieved.

### Action taken:

Action 1: In the course Professional Ethics, more case studies and presentations were given to enhance ethical principles and exhibit high degree of professionalism.

Action 2: Students were motivated and mentored to undertake projects which will cater to societal needs.

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#### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI

Department of Civil Engineering

Internal Assessment - Attainment of Cour	se Outcomes (Through Direct Assessment)

				ACADI	EMIC	YEAL	R - 202	1 - 202	22														BA	тсн					2018	- 2022		
cou	RSE CODE/TITLE	CE8702 (C402) /Railways, Air	ports, l	Docks a	ınd Ha	rbour	Engine	ering			-									i de gra		COI	URSE (	OUTCO	OME		1	2	3	4	5	6
C	LASS/SECTION	IV CIVIL														TARGET(%)						65	65	65	65	65	65					
	COURSE	Mrs.K.Banu, AP / CIVIL															то	TAL S	TRENC	ЭТН					23							
	00.01.11.01	Level	Range																													
		1	UP TO 60% of the students scored more													more than target																
ATT	AINMENT LEVEL	2	61% - 79% of the students scored more													than t	arget					9										
		3	80% & ABOVE of the students scored m														ore tha	n targ	et													
			1.	AT 1 - 1	MARI	KS AL	LOTE	ED .	LA	AT 2 -	MAR	KS AI	LOTE	ED .	I	AT 3 -	MAR	KS AL	LOTE	D	Assig	gnmen		i Projec	t /Tute	orial /		TOTAI	L COUI	RSE OU	тсом	ΙΈ
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
			60	40						40	60							40	30	30	10		10	10			70	80	70	50	30	30
1	620318103001	AARTHI A	57	38						37.2	55.8							36.8	27.6	27.6	9.5		9	10			67	75	65	46	28	28
2	620318103002	ANANDA PRIYA R	56.4	37.6						38	57							33.6	25.2	25.2	9		8	10			65	76	65	43	25	25
3	620318103004	CHITHRAVALLI L	51.6	34.4						35.2	52.8		11 11					32.0	24.0	24.0	9.5		9	9			61	70	62	41	24	24
4	620318103007	DEVAYANI K	54.6	36.4						36	54							36.0	27.0	27.0	9.5		9	10			64	72	63	46	27	27
5	620318103009	DHIVYA BHARATHI R	54	36						34.8	52.2							34.4	25.8	25.8	9.5		8	10			64	71	60	44	26	26
6	620318103011	GEETHANJALI K	49.2	32.8						33.6	50.4						200	30.8	23.1	23.1	9.5		9	10			59	66	59	40	23	23
7	620318103017	KEERTHANA P	58.8	39.2						38.4	57.6							39.2	29.4	29.4	9		10	10			68	78	67	49	29	29
8	620318103020	MATHIYARASI F	52.2	34.8						33.2	49.8							33.6	25.2	25.2	9.5		9	10			62	68	59	43	25	25
9	620318103021	MONISHA K	51.6	34.4						35.6	53.4							33.2	24.9	24.9	9		8	10			61	70	61	43	25	25
10	620318103022	MYTHILI R	49.2	32.8						32.8	49.2							32.0	24.0	24.0	9.5		9	9			59	66	58	41	24	24
11	620318103023	NANDHINI K M	51	34	133					36	54	-						37.2	27.9	27.9			9	10			61	70	63	47	28	28
12	620318103027	RANJITHA I	46.8	31.2						33.2	49.8							31.6	23.7	23.7	9.5		8	10	-		56	64	58	41	. 24	24
13	620318103028	RASHITHA F	56.4	37.6				1		38.4	57.6	5					-	37.6	28.2	28.2			. 9	10	-	-	66	76	67	47	28	28
14	620318103029	SARANYA I	52.2	34.8			-			34.8	52.2	-					1	34.8	26,1	26.1	9	_	10	10	-	-	61	70	62	44	26	26
15	620318103031	SAVITHA S		-	17 6		-	-	_	38.4	57.6	5	-		-	2	6	38.2	29.1	29.1	9.5 <b>M</b> 9E	Dr	9	10	-	-	65	75	67	48	29	29
16	620318103032	SRI SAMYUKTHA I	52.2	34.8						34.8	52.2	2				DV.	7	33.0	I Q	A 25.		.,-1	.LS.,	10			61	70	60	43	25	25

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17	620318103033	SUMITHRA V	51.6	34.4	3	35.2	52.8		35.2	26.4	26.4	9.5	9	9	61	70	62	44	26	26
18	620318103034	SUVITHA S	52.8	35.2	3	36.4	54.6		33.2	24.9	24.9	9.5	9	10	62	72	64	43	25	25
19	620318103036	THASLIM A	55.8	37.2	3	38.4	57.6		38.4	28.8	28.8	9.5	8	10	65	76	66	48	29	29
20	620318103038	VAISHNAVI R	47.4	31.6	3	35.2	52.8		32.4	24.3	24.3	9.5	9	10	57	67	62	42	. 24	24
21	620318103039	VASANTHI S	53.4	35.6	3	35.6	53.4		36.8	27.6	27.6	9.5	9	9	63	71	62	46	28	28
22	620318103041	- VIJAYAMALINI R	55.8	37.2	3	36.4	54.6		38.4	28.8	28.8	9.5	9	9	65	74	64	47	29 6	29
.23	620318103042	VINDHIYA T	57	38	3	38.4	57.6		36.8	27.6	27.6	9.5	9	10	67	76	67	46	28	28
					CO's Target	Valu	ie	1000							45.5	52.0	45.5	32.5	19.5	19.5
					No. of Students scored above	ve CC	D's Target Valu	e							23	23	23	23	23	23
					Percentage of Students so	cored	above Target								100.0	100.0	100.0	100.0	100.0	100.0
					CO Attainr	ment									3	3	3	3	3	3
					CO attainment Values t	to nl	ot the Graph	Park the second	100				14 1 1 1 1 1		3	3	3	3	3	3

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Faculty Incharge

HOD/CIVIL

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		
C402.1	100.0	100.00	100.0	3		
C402.2	100.0	100.00	100.0	3		
C402.3	100.0	100.00	100.0	3		
C402.4	100.0	100.00	100.0	3		
C402.5	100.0	100.00	100.0	3		
C402.6	100.0	100.00	100.0	3		

#### Closure of the Quality Loop:

СО	CO-Target for Academic Year						
	19-20	20-21	21-22	Attai nme I	Prop		
C402.1	65	65	65	-	-		
C402.2	65	65	65	-	-		
C402.3	65	65	65	-	-		
C402.4	65	65	65	-	-		
C402.5	65	65	65	-	-		
C402.6	65	65	65	-			

#### **Expected CO-PO Level**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C402.1	3	1	2	1	-	-	-	1	-	-		-	2	1
C402.2	3	2	3	2		-	1	1		-	-	-	3	1
C402.3	3	2	3	3	-	-	1	1	-		-	-	3	1
C402.4	3	2	3	2			1	1	-	-		-	3	1
C402.5	2	1	1	1	-	-	1	1		-	-	-	1	1
C402.6	2	1	2	2		-	1	-	-	-	-	-	3	1
C402	2.67	1.5	2.33	1.83	63 July 1	-	1	1	-	-	-	-	2.5	1

#### PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C402.1	3	1	2	1	-	-	-	1		-	-	-	2	1
C402.2	3	2	3	2	-	-	1	1	-	-	-		3.	1
C402.3	3	2	3	3	-	-	1	1	-	-	-	-	3	1
C402.4	3	2	3	2	-	-	1	1	-	-		-	3	1
C402.5	2	1	ı	-1		4	1	1	-		-	-	1	1
C402.6	2	1	. 2	2	-	-	1		-		-		3	1
C402	2.67	1.5	2.33	1.83	-	-	1	1		-		-	2.5	1

Attainment of POs and PSOs:

			,,,,,	amminente of Fos und F	505.				-1-2		47-12			
Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C402	2.67	1.50	2.33	1.83	- 1		1	1	•	-	-	-	2.50	1
Attain ment	2.67	1.5	2.33	1.83	-	-	1	1	-			-	2.5	1

100

Dr.R.PUNIDHA, M.E., Ph.D., PRINCIPAL,

BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN,

DEVIVAKURICH! -636 112,

THALAIVASAL'(TK), SALEM (DT).

### BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI DEPARTMENT OF CIVIL ENGINEERING

### COURSE OUTCOME ATTAINMENT - UNIVERSITY EXAMINATION

ACADEMIC YEAR: 2021 - 2022 (ODD SEM)

CLASS /SEC: IV CIVIL

Batch:2018-2022

SUBJECT :CE8702 (C402) /Railways, Airports, Docks and Harbour Engineering
CO Attainment Level: 1 - (UP TO 60%) 2- (61%-79%) 3-(80% and Above)

TOTAL STRENGTH

23

s.no	Register No	NAME	Univ. Grade			
1	620318103001	AARTHI A	A			
2	620318103002	ANANDA PRIYA R	A+			
3	620318103004	A				
4	A					
5	620318103009	A				
6	620318103011	GEETHANJALI K	В			
7	620318103017	KEERTHANA P	A+			
8	620318103020	MATHIYARASI P	A+			
9	620318103021	MONISHA K	A+			
10	620318103022	MYTHILI R	B+			
11	620318103023	NANDHINI K M	B+			
12	620318103027	RANJITHA L	B+			
13	620318103028	620318103028 RASHITHA R				
14	620318103029	A+				
15	620318103031	A				
16	620318103032	SRI SAMYUKTHA E	B+			
17	620318103033	SUMITHRA V	. A			
18	620318103034	SUVITHA S	A			
19	620318103036	THASLIM A	A+			
20	620318103038	VAISHNAVI R	A			
21	620318103039	VASANTHI S	A+			
22	620318103041	VIJAYAMALINI R	A			
23	620318103042	VINDHIYA T	B+			
	No	. of O Grade	0			
	No.	of A+ Grade	7			
	No	. of A Grade	10			
	No.	of B+ Grade	. 5			
	No	. of B Grade	1			
		. of U Grade	0			
	or course outcome Atta		65			
	idents above the targe		23			
O-Atta	inment University	(%)	100.00			

FAOULTY

DE PUNIDHA, ME, Ph.D.

BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICH! - 636 112, THALAIVASAL'(TK), SALEM (DT). HOD/ØIVIL