



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

2.6.2 ATTAINMENT EVALUATION OF
POs & COS
ACADEMIC YEAR 2018-2019

Index
Criterion 2.6.2

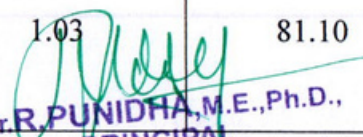
Course Outcome-Program Outcome-Program Specific Outcome
(CO-PO-PSO)Attainment Evaluation

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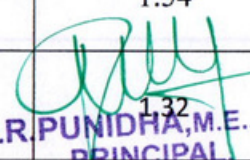


BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN
DEVYAKURICHI-636112,SALEM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CO-PO-PSO ATTAINMENT
ACADEMIC YEAR 2018-2019

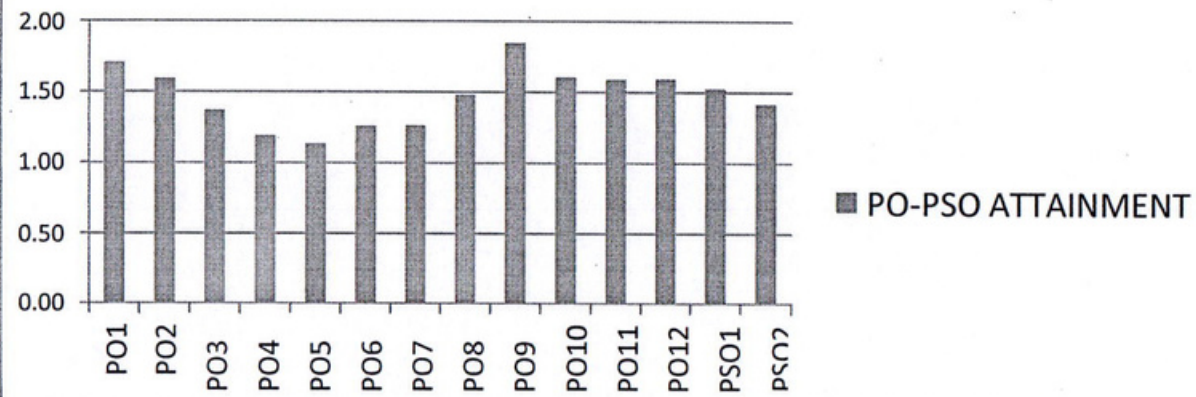
PO/PSO	Statement	Target	Attained value	Attainment %
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.72	2.25	82.72
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	2	1.60	80.00
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	1.56	1.25	80.13
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	1.14	0.94	82.46
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.	1.27	1.03	81.10


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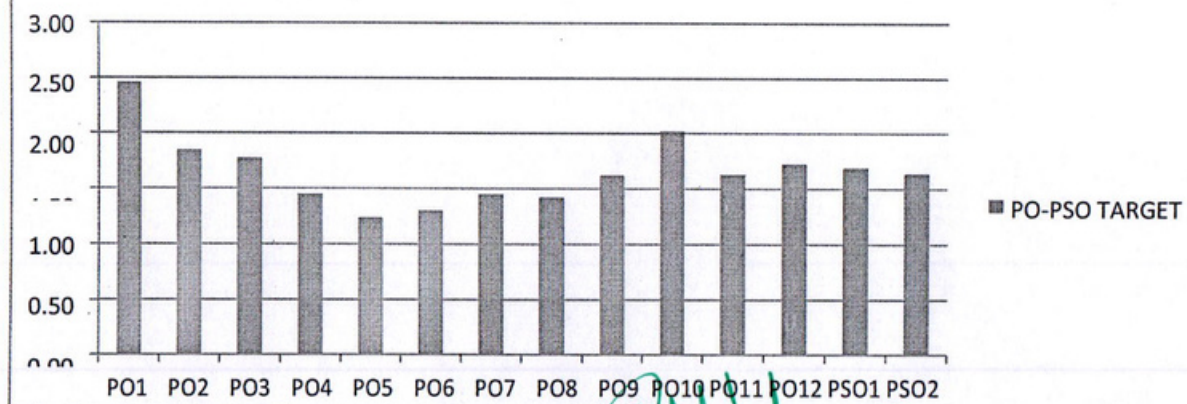
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	1.50	1.22	81.33
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	1.88	1.36	72.34
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.32	1.17	88.64
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.70	1.49	87.65
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.	1.36	1.19	87.50
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	1.07	0.93	86.92
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.	1.22	0.98	80.33
PSO1	To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.	1.97	1.54	78.17
PSO2	To apply software engineering principles and practices for developing quality software for Scientific and business applications.	1.58	1.32	83.54


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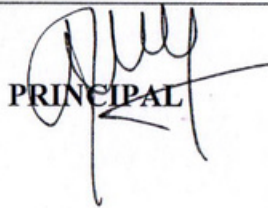
**DEPARTMENT OF CSE
ACADEMIC YEAR 2018-2019
CO-PO-PSO ATTAINMENT**



**DEPARTMENT OF CSE
ACADEMIC YEAR 2018-2019
CO-PO-PSO TARGET**



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DEVIYAKURICHI-636112, SALEM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT
ACADEMIC YEAR 2018-2019

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 following Program Outcome and Program Specific Outcomes (PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2) were obtained the percentage of 75 and above. Attainment was close to the proposed target. Students lacked knowledge in the application of computers

Action taken:

- Students are motivated to attend workshop to improve their system knowledge.
 - More sessions of soft-skill training are given to the students.
 - Students were technically strong but need to improve their presentation skills.
- 2) The Course attainment percentage of the following Program Outcome (PO7) was obtained the percentage of below 75. so The target value is not achieved. Students weren't clear about the applicability of computers.

Action taken:

- Special classes are conducted for required subjects.
- Practical classes were arranged to gather knowledge to about programming
- Counseling was arranged for the slow learners


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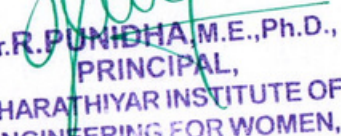
BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN
DEVIYAKURICHI-636112,SALEM
DEPARTMENT OF CIVIL ENGINEERING
CO-PO-PSO ATTAINMENT
ACADEMIC YEAR 2018-2019

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.	2.46	1.57	64
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	2.12	1.41	67
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.	2.14	1.3	61
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	1.6	1.14	71
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	1.34	0.97	72

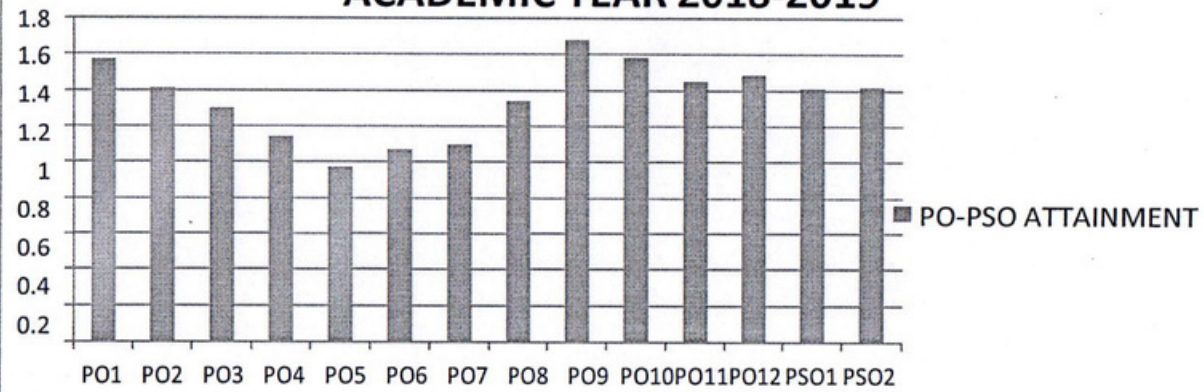

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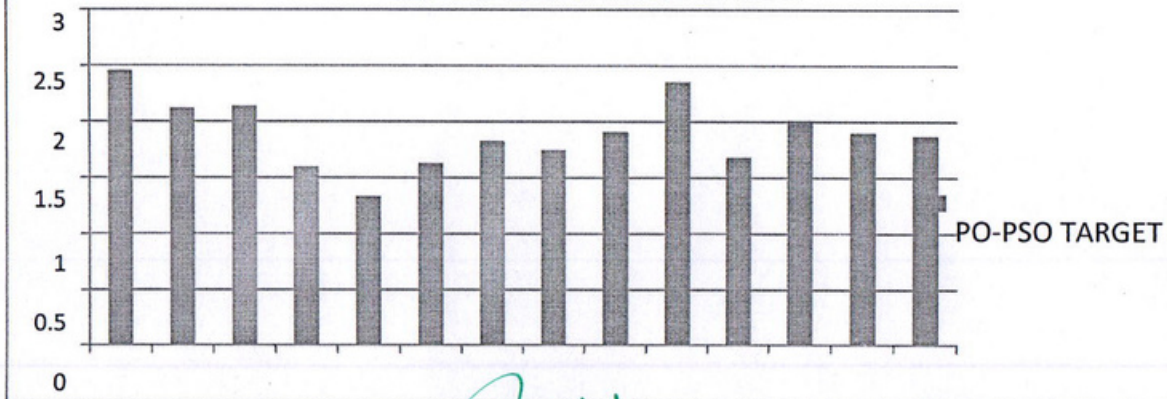
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice	1.63	1.07	66
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	1.83	1.1	60
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.75	1.34	77
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.91	1.68	88
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	2.36	1.58	67
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	1.68	1.45	86
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.	2.01	1.49	74
PSO1	To apply the engineering fundamentals to an analyze and design the various structural components.	1.9	1.41	74
PSO2	Able to cater to the changing industrial needs and capable of developing green concepts for different applications.	1.87	1.42	76


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**CO-PO-PSO ATTAINMENT
DEPARTMENT OF CIVIL
ACADEMIC YEAR 2018-2019**



**DEPARTMENT OF CIVIL
ACADEMIC YEAR 2018-2019
CO-PO-PSO TARGET VALUE**



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DEPARTMENT OF CIVIL ENGINEERING
ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT
ACADEMIC YEAR 2018-2019

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 following Program Outcome and Program Specific Outcomes (PO8, PO9, P011, PSO2), were obtained the percentage of 75 and above. Attainment was close to the proposed target. Students find it difficult to solve the engineering Problems in strength of materials

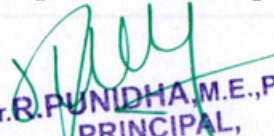
Action taken:

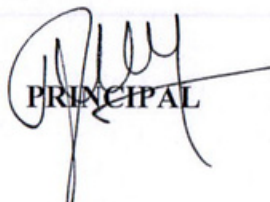
- Students are motivated to attend workshop to improve their system knowledge.
- Students were technically strong but need to improve their presentation skills.
- Modern labs are developed to learn/ by using tools like AutoCAD, StadPro etc.

2. The Course attainment percentage of the following Program Outcome (PO1,PO2,PO3,PO4,PO5, PO6, PO7, PO8, PO10, PO12, PSO1,) was obtained the percentage of below 75. So the target value is not achieved.

Action taken:

- Students will be encouraged to attend seminars in other institutions.
- Field visit arranged to understand the practical concept of the subjects.


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CO-PO-PSO

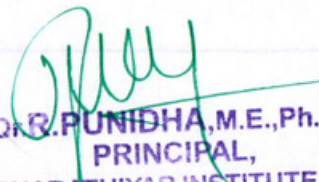
ATTAINMENT

ACADEMIC YEAR 2018-2019

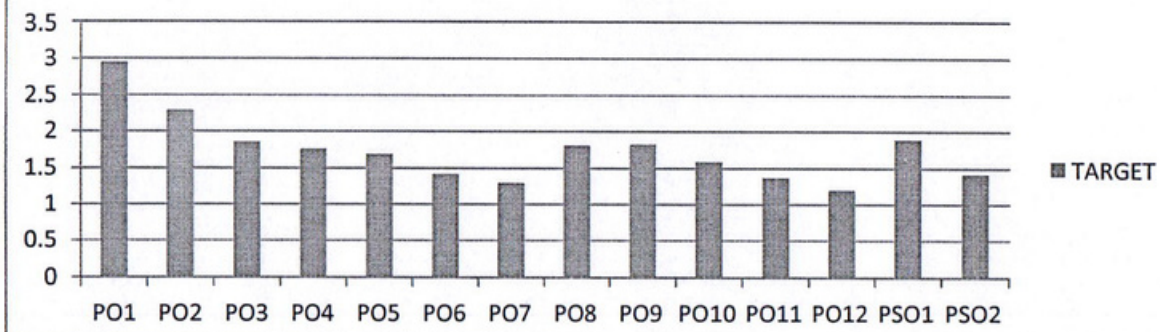
PO/PSO	Statement	Target	Attainedvalue	Attainment %
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.95	1.92	65.1
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	2.29	1.5	65.5
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	1.85	1.21	65.4
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	1.76	1.18	67.0
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.	1.69	1.11	65.7
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			70.4


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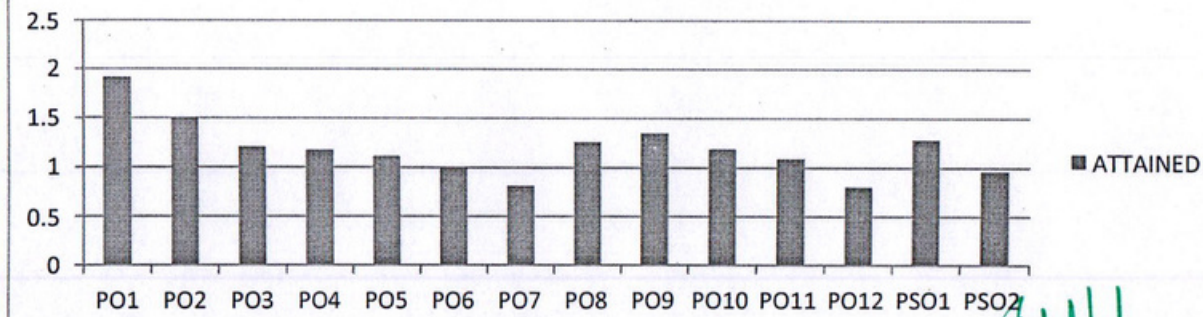
	professional engineering practice.			
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	1.3	0.81	62.3
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.81	1.26	69.6
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.83	1.35	73.8
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.	1.59	1.19	74.8
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	1.37	1.09	79.6
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.	1.2	0.8	66.7
PSO1	Apply the principles of advanced communication systems, IoT based embedded systems, Advanced Signal & Image Processing, modern Semiconductor Technologies to develop digital forums.	1.89	1.28	67.7
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.	1.42	0.96	67.6


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**Department of ECE
AY 2018 - 2019
PO-PSO TARGET**



**Department of ECE
AY 2018 - 2019
PO-PSO ATTAINED**



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT
ACADEMIC YEAR 2018-2019

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,

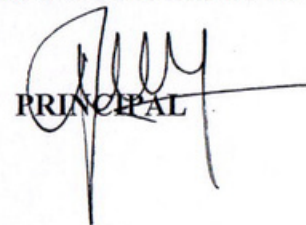
1. The Course attainment percentage of the following Program Outcome and Program Specific Outcomes (PO11) were obtained the percentage of 75 and above. Target is attained.
Students are able to understand the problematic subjects

Action taken:

- Students are motivated to attend workshop to improve their knowledge.
 - Many practical sessions/Training sessions to be conducted to practice the software courses.
2. The Course attainment percentage of the following Program Outcome (PO1,PO2,PO3,PO4, PO5,PO6, PO7,PO8,PO9,PO10,PO12,PSO1,PSO2) was obtained the percentage of below 75.
So the target value is not achieved.

Action taken:

- Guest Lectures need to be arranged with academic expert on the topic Electromagnetic fields.
- Tutorial hours need to be conducted that should concentrate in electronics subjects.


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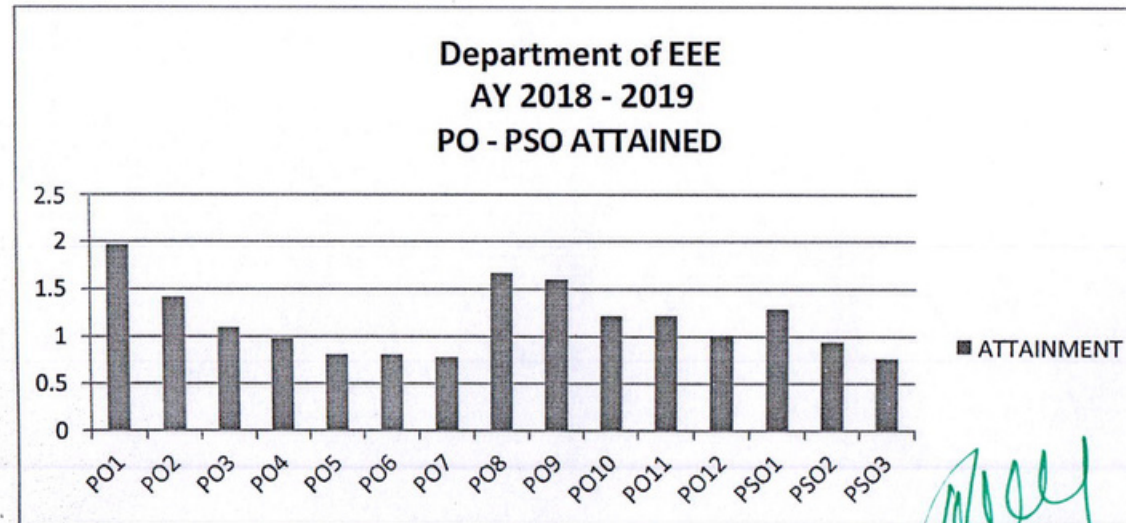
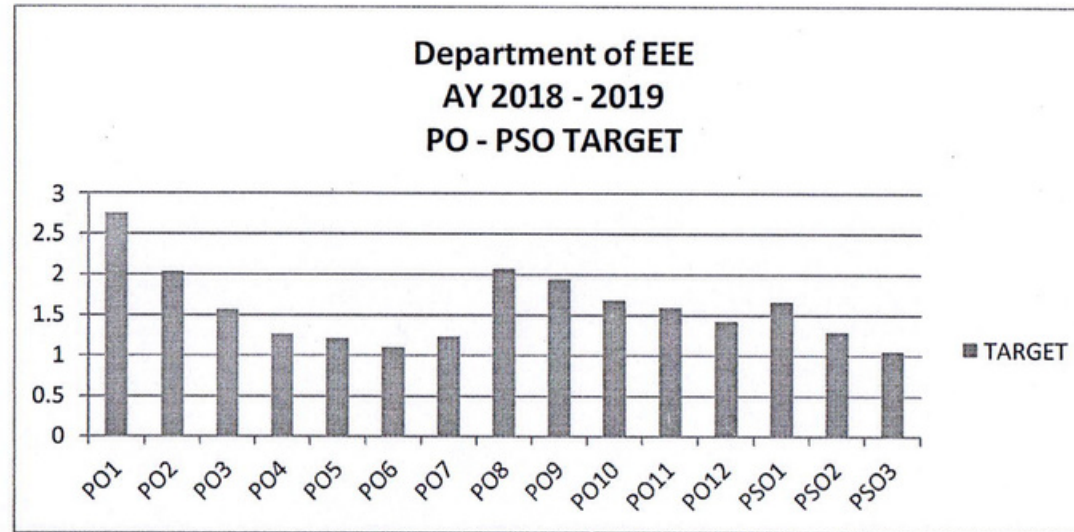
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
CO-PO-PSO ATTAINMENT
ACADEMIC YEAR 2018-2019

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.	2.75	1.97	71.6
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	7.04	1.42	69.6
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	1.57	1.1	70.1
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	1.26	0.98	77.8
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.	1.21	0.81	66.9
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.	1.1	0.81	73.6
PO7	Environment and sustainability: Understand the impact of the	1.23	0.78	63.4

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	professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	2.08	1.67	80.3
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.95	1.6	82.1
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.	1.69	1.22	72.2
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	1.22	76.3
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.	1.42	1.01	71.1
PSO1	Apply knowledge of mathematics, engineering sciences and multidisciplinary knowledge to the solution of electrical and electronics engineering problems.	1.67	1.29	77.2
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.	1.29	0.94	72.9
PSO3	Contribute for the development of smart power grid and integrating green energy on it to meet the increasing demand of the society.	1.05	0.77	73.3


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ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT
ACADEMIC YEAR 2018-2019

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 following Program Outcome and Program Specific Outcomes (PO4, PO8, PO9, PO11 and PSO1) were obtained the percentage of 75 and above.

Target is attained. It is observed that students were not consistent in solving complex problems.


Action taken:

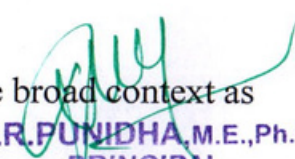
- Conducted animated video classes
- Many practical sessions/Training sessions to be conducted to practice the software courses.

- 2) The Course attainment percentage of the following Program Outcome (PO1, PO2, PO3, PO5, PO6, PO7, PO10, PO12, PSO2) was obtained the percentage of below 75. So the target value is not achieved.

Action taken:

- Students will be involved in organizing conferences, developing models in the broad context as inter-disciplinary approach.
- Practical explanation was given with the aid of power point presentation

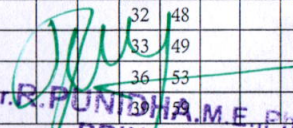

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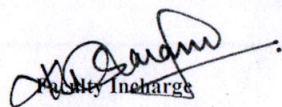
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

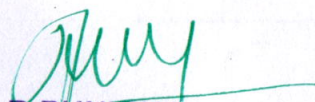
Internal Assessment -Attainment of Course Outcomes (Through Direct Assessment)

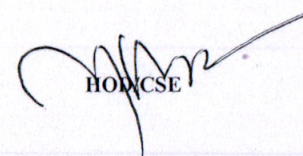
COURSE CODE/TITLE		ACADEMIC YEAR - 2018-2019														BATCH						2017 - 2021									
CLASS/SECTION		II CSE														COURSE BATCH						COURSE OUTCOME									
COURSE		Mrs.K.SARANYA,AP/CSE														TARGET(%)						TOTAL STRENGTH									
ATTAINMENT LEVEL		Level														Range						2017 - 2021									
		1														UP TO 60% of the students scored more than target						1									
		2														61% - 79% of the students scored more than target						2									
		3														80% & ABOVE of the students scored more than target						3									
REG NO	NAME OF THE STUDENT	IAT 1 - MARKS ALLOTTED						IAT 2 - MARKS ALLOTTED						IAT 3 - MARKS ALLOTTED						Assignment / Mini Project						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					30	40	30	10		10	10			70	80	70	40	40	30			
620317104001	AKILANDESWARIA	51	41					38	56					28	38	28	10		10	10			61	79	66	38	38	28			
620317104002	ANITHA.S	46	37					36	53					26	34	26	8		10	10			54	73	63	36	34	26			
620317104003	ANUSHIYA.P	44	36					32	48					25	33	25	10		10	10			54	68	58	35	33	25			
62031704004	ARUNADEVI R	46	37					34	51					26	34	26	10		10	9			56	71	61	35	34	26			
620317104005	ASHWINI.R	44	36					36	55					25	33	25	10		10	10			54	72	65	35	33	25			
620317104006	BABY.R	45	37					34	50					26	34	26	10		10	10			55	71	60	36	34	26			
620317104007	BABYSALINI.S	44	36					33	50					25	33	25	10		9	10			54	69	59	35	33	25			
620317104008	BAKYALAKSHMI.B	53	43					38	56					29	39	29	10		10	10			63	81	66	39	39	29			
620317104009	BANUPRIYA.K	45	37					33	50					26	34	26	10		10	10			55	70	60	36	34	26			
620317104010	BHUVANESHWARI.M	44	36					34	50					26	34	26	10		10	10			54	70	60	36	34	26			
620317104011	DEEPA.S	54	44					39	59					30	40	30	9		10	10			63	83	69	40	40	30			
620317104012	DHIVYAPRIYA.G	50	41					38	56					28	37	28	10		10	9			60	78	66	37	37	28			
620317104013	DIVYABHARATHI T	48	40					36	53					27	36	27	10		10	10			58	75	63	37	36	27			
620317104014	ELAKKIYA.K	45	37					34	50					26	34	26	10		10	10			55	71	60	36	34	26			
620317104015	ELAKKIYA.M	47	38					35	53					27	36	27	9		10	10			56	73	63	37	36	27			
620317104016	GIRIJA A	44	36					33	50					26	34	26	10		10	10			54	69	60	36	34	26			
620317104017	HEMALATHA.A	53	44					39	59					30	40	30	10		10	10			63	83	69	40	40	30			
620317104018	ISWARYA.D	44	36					34	50					26	34	26	10		9	10			54	70	59	36	34	26			
620317104019	JAYAPRIYA.R	46	37					35	52					28	37	28	10		10	10			56	72	62	38	37	28			
620317104020	KALPANA.P	50	41					36	54					27	36	27	10		10	10			60	77	64	37	36	27			
620317104022	KAVIPRIYA S	49	40					36	54					25	34	25	10		10	10			59	76	64	35	34	25			
620317104023	KAVIYA R	45	36					34	52					26	34	26	9		10	10			54	71	62	36	34	26			
620317104024	KIRUTHIKA R	47	38					34	50					25	33	25	10		10	10			57	72	60	35	33	25			
620317104025	KOGILA.S	44	36					34	50					26	34	26	10		10	9			54	70	60	35	34	26			
620317104027	KOWSALYA R	47	38					32	48					26	34	26	9		10	10			56	70	58	36	34	26			
620317104028	MAHALAKSHMI.M	44	36					33	49					24	32	24	10		10	10			54	69	59	34	32	24			
620317104029	MANIMEGALAI.R	47	38					36	53					26	34	26	10		10	10			57	74	63	36	34	26			
620317104030	MATHUMITHA J	53	44					32	48					29	39	29	10		10	10			63	83	69	39	39	29			


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620317104031	MOHANA.K	46	37							34	51							26	34	26	10		10	10				56	71	61	36	34	26																			
620317104032	NADHIYA.K	47	38							35	52							25	34	25	10		10	10				57	73	62	35	34	25																			
620317104033	NAVEENA.K	44	36							33	50							26	34	26	10		10	10				54	69	60	36	34	26																			
620317104034	PAVITHRA.K	45	36							34	50							25	33	25	10		10	10				55	70	60	35	33	25																			
620317104035	POOJA.S	47	39							36	53							27	36	27	10		10	10				57	74	63	37	36	27																			
620317104036	PREETHA.S	50	41							36	55							28	37	28	9		10	10				59	77	65	38	37	28																			
620317104037	PRIYADHARSHINI.B	45	37							34	50							25	33	25	10		10	10				55	71	60	35	33	25																			
620317104038	PRIYADHARSHINI T	46	38							34	52							26	34	26	10		99	10				56	72	151	36	34	26																			
620317104039	RAJESHWARI R	44	36							33	50							25	34	25	10		10	10				54	69	60	35	34	25																			
620317104040	RANJITHA.S	51	42							39	58							29	38	29	10		10	10				61	81	68	39	38	29																			
620317104041	REENA.P	51	41							33	50							26	34	26	10		10	10				61	75	60	36	34	26																			
620317104042	RUBINI.M	53	43							39	59							29	39	29	10		10	10				63	82	69	39	39	29																			
620317104043	SANCHANA.R	49	40							36	54							27	36	27	10		10	10				59	76	64	37	36	27																			
620317104044	SANTHANALAKSHMI.T	47	38							36	53							26	34	26	10		10	10				57	74	63	36	34	26																			
620317104047	SATHYAPRIYA.K	47	38							36	53							26	34	26	10		10	10				57	74	63	36	34	26																			
620317104048	SELVARANI.S	48	39							37	55							26	35	26	9		10	10				57	76	65	36	35	26																			
620317104049	SHIYAMALA.K	51	41							38	57							28	38	28	10		10	10				61	79	67	38	38	28																			
620317104050	SIMRAN J	44	36							34	50							25	33	25	10		10	10				54	70	60	35	33	25																			
620317104051	SOUNDHARYA.S	45	37							34	50							25	34	25	10		10	10				55	71	60	35	34	25																			
620317104053	SOWMIYA.S	46	38							34	52							26	34	26	9		10	10				55	72	62	36	34	26																			
620317104054	SUBHASRI M	50	41							35	53							27	36	27	10		10	9				60	76	63	36	36	27																			
620317104055	SUGANTHI.K	51	41							38	57							29	38	29	10		10	10				61	79	67	39	38	29																			
620317104056	SURIYA.S	53	43							37	56							26	35	26	10		10	10				63	80	66	36	35	26																			
620317104057	SWEDHA.V	47	38							35	53							27	36	27	10		9	10				57	73	62	37	36	27																			
620317104058	VANISREE.M	50	41							36	55							28	37	28	10		10	10				60	77	65	38	37	28																			
620317104059	VINOTHINI.M	47	38							33	50							25	34	25	10		10	10				57	71	60	35	34	25																			
620317104060	YASODHA.L	44	36							33	49							26	34	26	9		10	10				53	69	59	36	34	26																			
620317104701	VANITHAVIENI B	48	39							35	53							28	37	28	10		9	9				58	74	62	37	37	28																			
CO's Target Value																											42.0	48.0	42.0	24.0	24.0	18.0																				
No. of Students scored above CO's Target Value																											56	56	56	56	56	56																				
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																				


D.R. PUNDHA
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
C201.1	100.0	57.14	65.7	2
C301.2	100.0	57.14	65.7	2
C301.3	100.0	57.14	65.7	2
C301.4	100.0	57.14	65.7	2
C301.5	100.0	57.14	65.7	2
C301.6	100.0	57.14	65.7	2

Expected CO-PO Level

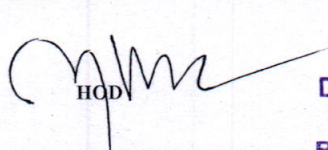
Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C203.1	3	2	2	1	-	-	-	-	-	-	-	1	2	2
C203.2	3	2	2	1	-	-	-	-	-	-	-	1	2	2
C203.3	3	2	2	1	-	-	-	-	-	-	-	1	2	2
C203.4	3	2	2	1	-	-	-	-	-	-	-	1	2	2
C203.5	3	2	2	1	-	-	-	-	-	-	-	1	2	2
C203.6	3	2	2	1	-	-	-	-	-	-	-	1	2	2
C203	3	2	2	1	-	-	-	-	-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

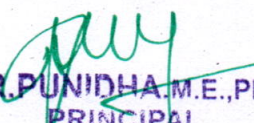
PO Attainment Level

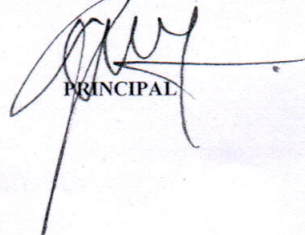
Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C203.1	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33
C203.2	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33
C203.3	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33
C203.4	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33
C203.5	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33
C203.6	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33
C203	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33

Attainment of POs and PSOs:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C203	3	2	2	1	-	-	-	-	-	-	-	1	2	2
Attainment	2	1.33	1.33	0.67	-	-	-	-	-	-	-	0.67	1.33	1.33


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BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COURSE OUTCOME ATTAINMENT - UNIVERSITY EXAMINATION
ACADEMIC YEAR : 2018-2019 ODD SEM)

CLASS /SEC: II CSE

Batch:2018-2019

SUBJECT : DATA STRUCTURE

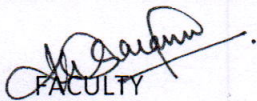
CO Attainment Level: 1 - (UP TO 60%) 2- (61%-79%) 3-(80% and Above)

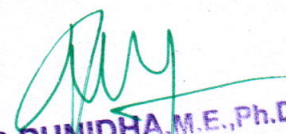
TOTAL STRENGTH : 56

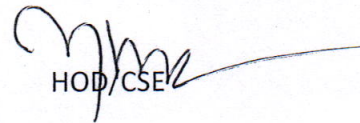
S.NO	Register No	NAME	Univ. Grade
1	620317104001	AKILANDESWARIA	S
2	620317104002	ANITHA.S	B
3	620317104003	ANUSHIYA.P	U
4	62031704004	ARUNADEVI R	B
5	620317104005	ASHWINI.R	B
6	620317104006	BABY.R	U
7	620317104007	BABYSALINI.S	U
8	620317104008	BAKYALAKSHMI.B	A+
9	620317104009	BANUPRIYA.K	B+
10	620317104010	BHUVANESHWARI.M	B
11	620317104011	DEEPA.S	B+
12	620317104012	DHIVYAPRIYA.G	B
13	620317104013	DIVYABHARATHI T	B+
14	620317104014	ELAKKIYA.K	U
15	620317104015	ELAKKIYA.M	U
16	620317104016	GIRIJA A	U
17	620317104017	HEMALATHA.A	A
18	620317104018	ISWARYA.D	B
19	620317104019	JAYAPRIYA.R	B
20	620317104020	KALPANA.P	B
21	620317104022	KAVIPRIYA S	U
22	620317104023	KAVIYA R	B
23	620317104024	KIRUTHIKA R	B
24	620317104025	KOGILA.S	U
25	620317104027	KOWSALYA R	B+
26	620317104028	MAHALAKSHMI.M	U
27	620317104029	MANIMEGALAI.R	U
28	620317104030	MATHUMITHA J	B+
29	620317104031	MOHANA.K	U
30	620317104032	NADHIYA.K	B
31	620317104033	NAVEENA.K	B+
32	620317104034	PAVITHRA.K	U
33	620317104035	POOJA S	B

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34	620317104036	PREETHA.S	B
35	620317104037	PRIYADHARSHINI.B	B
36	620317104038	PRIYADHARSHINI T	U
37	620317104039	RAJESHWARI R	B
38	620317104040	RANJITHA.S	B+
39	620317104041	REENA.P	B+
40	620317104042	RUBINI.M	A
41	620317104043	SANCHANA.R	B
42	620317104044	SANTHANALAKSHMI.T	U
43	620317104047	SATHYAPRIYA.K	U
44	620317104048	SELVARANI.S	U
45	620317104049	SHIYAMALA.K	A
46	620317104050	SIMRAN J	B
47	620317104051	SOUNDHARYA.S	U
48	620317104053	SOWMIYA.S	U
49	620317104054	SUBHASRI M	U
50	620317104055	SUGANTHI.K	B+
51	620317104056	SURIYA.S	B
52	620317104057	SWEDHA.V	U
53	620317104058	VANISREE.M	U
54	620317104059	VINOTHINI.M	B
55	620317104060	YASODHA.L	U
56	620317104701	VANITHAVIENI B	U
No. of O Grade			0
No. of A+ Grade			1
No. of A Grade			3
No. of B Grade			19
No. of B+ Grade			9
No. of U Grade			23
Target for course outcome Attainment			60
No of students above the target			32
CO-Attainment University (%)			57.14


FACULTY


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**BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN,
DEVIYAKURICHI, THALAIVASAL Tk, SALEM Dt - 636112**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RUBRICS FOR LABORATORY COURSE ASSESSMENT**

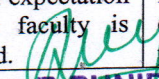
Program : **ELECTRONICS AND COMMUNICATION ENGINEERING**
Course : **EC 8361 (C208) – ANALOG AND DIGITAL CIRCUITS LABORATORY**
Semester : **III**
Academic Year : **2018-2019** Batch: 2017-2021
Course Instructor : **Ms.P.BIRUNTHA, AP/ECE**

Performance Indicators for Assessment:

- Objective & Procedure (P-I)
- Program / Circuit diagram (P-II)
- Execution (P-III)
- Result (P-IV)
- Post lab questions, conclusions (P-V)

During the laboratory course the students are able to

Performance Indicators	Excellent (5)	Good (4)	Fair (3)	Satisfied (2)	Partially Satisfied (1)
Objectives & Procedure (P-I)	Explain the objective and procedure of the experiment to the level of expectation of the faculty is Excellent	Explain the objective and procedure of the experiment to the level of expectation of the faculty is Good.	Explain the objective and procedure of the experiment to the level of expectation of the faculty is Fair.	Explain the objective and procedure of the experiment to the level of expectation of the faculty is Satisfied.	Explain the objective and procedure of the experiment to the level of expectation of the faculty is Partially Satisfied.
Program / Circuit diagram (P-II)	Explain the program / circuit diagram of the experiment to the level of expectation of the faculty is Excellent	Explain the program / circuit diagram of the experiment to the level of expectation of the faculty is Good.	Explain the program / circuit diagram of the experiment to the level of expectation of the faculty is Fair.	Explain the program / circuit diagram of the experiment to the level of expectation of the faculty is Satisfied	Explain the program / circuit diagram of the experiment to the level of expectation of the faculty is Partially Satisfied.
Execution (P-III)	Explain the execution steps of the experiment to the level of expectation of the faculty are Excellent.	Explain the execution steps of the experiment to the level of expectation of the faculty are Good.	Explain the execution steps of the experiment to the level of expectation of the faculty are Fair.	Explain the execution steps of the experiment to the level of expectation of the faculty are Satisfied.	Explain the execution steps of the experiment to the level of expectation of the faculty are Partially Satisfied.
Result (P-IV)	Calculate the observed values and validate the results of the experiment precisely.	Calculate the observed values and validate the results of the experiment accurately.	Calculate the observed values and validate the results of the experiment approximately.	Calculate the observed values and validate the results of the experiment fairly.	Calculate the observed values and validate the results of the experiment roughly.
Post lab questions, Conclusions (P-V)	Explain the Post lab questions and Conclusions of the experiment to the level of expectation of the faculty is Excellent.	Explain the Post lab questions and Conclusions of the experiment to the level of expectation of the faculty is Good.	Explain the Post lab questions and Conclusions of the experiment to the level of expectation of the faculty is Fair.	Explain the Post lab questions and Conclusions of the experiment to the level of expectation of the faculty is satisfied.	Explain the Post lab questions and Conclusions of the experiment to the level of expectation of the faculty is partially satisfied.


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BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI

Department of Electronics and Communication Engineering

COURSE OUTCOME DIRECT MEASUREMENT - Laboratory Course

ACADEMIC YEAR : 2018- 2019

COURSE CODE: EC 8361			BATCH: 2017-2021													109
COURSE TITLE : ANALOG AND DIGITAL CIRCUITS LABORATORY			YEAR/SEM: II/III													80
FACULTY INCHARGE: Ms.P.BIRUNTHA, AP/ECE			CLASS/SEC: II ECE A & B													80
ATTAINMENT LEVEL: Level 1: 60 - 69% of the students scored more than target Level 2: 70 - 79% of the students scored more than target Level 3: 80 - 100% of the students scored more than target			TOTAL STRENGTH												109	
			Target (%)												80	
S.No	AU Reg. No.	Name of the Student	Experiment No												Final Mark	checkout
			1	2	3	4	5	6	7	8	9	10	11	12		
1	620317106001	ABIRAMI M	80	90	80	90	90	80	80	90	80	90	90	80	82	85
2	620317106003	AMMU G	90	90	80	90	90	80	80	90	90	80	90	90	85	87
3	620317106005	ANUSUYA A	80	90	90	80	90	90	80	90	80	90	90	90	81	87
4	620317106006	ARTHI G	80	90	90	90	80	80	90	80	90	90	90	90	82	86
5	620317106007	BAKKIYALAKSHMI J	90	80	90	80	90	80	90	80	90	90	90	80	81	88
6	620317106009	DEEBA K	80	90	90	90	80	80	90	80	90	80	90	90	93	86
7	620317106010	DEEPA T	90	80	80	90	90	90	80	90	90	90	90	90	86	86
8	620317106012	DEVAKI S	90	80	80	90	90	80	90	80	90	90	80	90	98	86
9	620317106013	DEVI A	90	90	90	80	80	90	80	90	80	90	80	90	89	86
10	620317106014	DEVI E	90	90	90	80	90	90	90	80	90	80	80	90	82	88
11	620317106015	DHANALAKSHMI K	90	80	90	90	80	90	80	80	90	80	90	90	83	86
12	620317106016	DHANALAKSHMI P	80	90	90	90	90	80	90	80	90	90	80	80	84	88
13	620317106017	DIVYA M	90	80	90	90	90	80	90	90	90	90	90	90	90	87
14	620317106018	DIVYABHARATHI K	90	80	90	90	80	90	80	90	80	90	90	90	91	90
15	620317106019	ELAKKIYA G	90	90	90	90	90	90	90	90	80	90	90	90	90	88
16	620317106020	GAYATHRI V	80	90	90	80	90	90	90	80	80	90	90	90	92	85
17	620317106021	GOPIGA T	90	90	90	80	90	90	90	80	90	80	90	90	80	89
18	620317106022	GOWSALYA E	90	90	90	90	90	90	80	90	90	90	90	90	81	87
19	620317106023	GOWSALYA.K	80	90	90	90	80	80	90	80	90	80	90	80	81	84
20	620317106024	HEMALATHA.M	90	90	80	90	80	90	90	80	80	90	90	90	99	90
21	620317106025	INDHUJA A	90	90	90	90	90	90	90	90	90	90	90	90	82	88
22	620317106026	INDHUMATHI R	80	90	90	80	80	90	80	80	80	90	90	80	83	87
23	620317106027	ISWARYA A	90	90	90	90	90	90	80	90	90	80	90	90	90	88
24	620317106028	JAMUNA T	90	90	80	90	90	90	80	90	80	90	90	90	86	87
25	620317106029	JEGANA S	90	90	80	90	90	90	90	80	80	90	90	80	89	88
26	620317106030	JENIFER R	90	80	80	90	80	90	90	80	90	90	90	90	90	87
27	620317106031	JOTHIKA P	90	80	90	80	80	90	90	90	90	80	90	90	83	86
28	620317106032	JOTHIMANI S	90	80	90	80	90	90	80	90	90	90	90	90	82	87
29	620317106033	KALAISELVI K	90	80	80	90	90	80	90	90	80	90	80	90	85	87
30	620317106034	KALAISEVI.M	90	80	80	80	90	90	80	90	90	90	90	90	86	86
31	620317106035	KALAIVANI A	80	90	90	90	90	80	90	90	90	80	90	80	92	88
32	620317106036	KALEESWARI M	90	82	90	90	80	80	80	90	90	80	90	90	83	88
33	620317106037	KAMATCHI J	80	82	90	80	90	90	90	90	90	90	90	90	84	83
34	620317106038	KANCHANA C	80	90	90	90	90	80	90	80	90	90	90	90	82	88
35	620317106039	KARTHIKA K	90	88	80	80	80	80	80	80	80	90	90	80	83	87
36	620317106040	KAVARNA R	80	90	80	90	90	80	90	80	90	90	90	90	82	87
37	620317106041	KAVIYARASI B	90	88	90	90	80	90	90	90	90	80	90	90	85	87
38	620317106042	KEERTHANA M	90	88	90	90	90	80	90	80	90	80	80	90	88	88
39	620317106043	KEERTHIKA S	90	90	90	80	90	90	80	90	90	90	90	80	92	89
40	620317106044	KOKILA P	90	90	90	80	80	90	90	80	90	80	90	90	95	88
41	620317106045	KOUSALYA K	90	88	90	90	90	90	90	80	90	90	90	90	88	85
42	620317106046	LAVANYA R	80	90	90	90	80	80	90	80	90	90	80	80	89	88
43	620317106047	MALAR S	90	88	90	90	90	80	80	90	90	90	90	90	92	86
44	620317106048	MALATHI M	90	88	90	90	90	90	80	90	90	80	90	90	91	87
45	620317106049	MALAVIGA A	90	82	90	90	80	90	80	90	80	90	90	90	90	87
46	620317106050	MAMTHA M	80	90	90	80	80	90	90	80	90	80	90	90	83	86
47	620317106051	MATHIVATHANI P	80	82	90	80	90	90	90	80	90	90	90	90	90	86
48	620317106052	MOHANAPRIYA R	80	82	80	90	90	90	90	90	80	80	90	90	94	88
49	620317106053	MONIKA K	90	82	90	90	90	80	80	80	90	90	90	80	85	85
50	620317106054	MONISHA B	80	90	90	90	90	90	90	80	80	90	90	90	86	89

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51	620317106055	MYTHILI PRIYA G	90	90	90	90	90	90	80	90	90	90	90	90	96	86
52	620317106056	NANDHINI N	90	82	90	80	80	90	90	80	90	80	90	80	92	86
53	620317106058	NISHA M	80	90	80	90	80	90	80	90	90	80	90	90	81	89
54	620317106059	NISHANTHINI R	90	82	80	90	90	90	90	90	90	90	90	90	85	88
55	620317106060	NITHYA K	80	90	80	90	90	90	90	80	80	90	90	80	90	87
56	620317106061	NIVETHA K	90	80	90	90	90	90	80	80	90	90	90	90	98	88
57	620317106064	PASUMAIRANI G	90	80	80	80	90	90	90	90	90	90	90	90	87	86
58	620317106065	PAVITHRA M	80	88	90	80	80	90	90	90	90	80	90	90	87	87
59	620317106066	PAVITHRA S	90	88	90	90	90	80	90	90	90	80	80	90	88	88
60	620317106067	POOVARASI C	90	80	90	90	80	90	80	80	90	90	90	90	85	85
61	620317106068	PREETHIASHA N	90	90	90	80	80	90	90	90	80	80	90	80	85	87
62	620317106069	PREMALATHA S	90	80	90	90	90	80	90	90	90	90	90	90	86	87
63	620317106070	PRIYA S	90	80	90	90	80	90	80	90	80	90	90	90	90	90
64	620317106071	PRIYADHARSHINI R	80	90	90	90	90	80	90	80	90	80	80	80	90	88
65	620317106072	PRIYANGA D	80	90	90	80	90	90	90	80	90	80	90	90	94	85
66	620317106074	RAJALAKSHMI R	90	90	90	80	90	90	90	80	90	80	90	90	94	88
67	620317106075	RAJESHWARI R	90	90	90	90	90	90	90	90	90	90	90	90	84	87
68	620317106077	RAMYA M	80	90	90	90	80	80	90	80	90	80	90	80	85	85
69	620317106078	RANJITHA P	90	90	80	90	80	90	90	80	80	90	90	90	90	90
70	620317106079	RANJITHA R	90	90	90	90	90	90	80	90	90	80	90	90	87	90
71	620317106080	RAVINA P	80	90	90	80	80	90	90	80	80	90	90	80	88	87
72	620317106081	REHANAS BANU S	90	90	90	90	90	90	90	90	90	90	90	90	94	88
73	620317106082	REVATHI J	90	90	90	90	90	90	90	90	90	90	90	90	85	88
74	620317106083	ROMIYA V	90	90	80	90	90	90	90	80	80	90	90	80	89	86
75	620317106084	SANDHIYA V	90	80	80	90	90	90	90	80	90	90	90	90	92	87
76	620317106085	SANGEETHA S	90	90	80	90	90	90	80	90	80	90	90	90	92	88
77	620317106086	SANTHIYA S	90	80	90	80	80	90	80	90	90	80	90	90	84	88
78	620317106087	SARADHADEVI P	90	80	90	90	90	80	90	90	90	90	80	90	85	87
79	620317106088	SARANYA V	80	80	90	80	90	90	80	90	80	90	90	90	82	89
80	620317106090	SELVARANI S	90	90	90	90	90	80	90	90	80	90	90	80	81	86
81	620317106091	SHAGILA P	80	90	90	90	90	80	90	90	90	90	90	90	88	87
82	620317106092	SHALINI S	90	90	90	100	80	90	90	90	90	80	90	90	86	88
83	620317106093	SHILPA C	80	90	90	90	90	80	90	80	90	80	90	90	83	87
84	620317106094	SHILPA R	80	90	80	80	90	80	90	80	90	90	90	90	84	87
85	620317106095	SINDHU T	80	90	80	80	90	90	80	90	80	90	90	90	84	86
86	620317106096	SINDHUJA M	90	88	80	90	90	90	90	90	90	90	90	80	85	86
87	620317106097	SNEGA S	90	88	90	90	90	80	80	90	90	90	80	100	85	89
88	620317106098	SNEHA J	80	88	90	90	90	80	90	80	90	80	90	90	94	87
89	620317106099	SNEHA R	90	88	90	80	90	90	80	80	90	100	90	80	88	86
90	620317106100	SNEHA R B	90	88	90	90	90	90	80	90	90	90	90	90	80	87
91	620317106101	SOUNTHARYA S	90	90	90	80	80	90	90	80	80	100	90	90	89	87
92	620317106103	SRIVAISHNAVI A	90	88	80	90	90	80	90	80	90	90	90	90	92	85
93	620317106104	SURYA V	90	88	90	90	80	90	90	90	90	80	90	80	85	86
94	620317106105	THAMARASELVI R	90	90	90	90	90	80	80	80	90	80	80	90	88	87
95	620317106106	THAMARASELVI S	80	90	90	80	80	90	90	90	90	80	90	90	88	87
96	620317106108	THOUSITH BANU S	90	82	80	80	80	90	90	90	90	80	90	80	94	89
97	620317106109	UMA S	90	82	80	90	90	90	80	80	90	90	90	90	88	89
98	620317106110	VADIVUKKARASI V	90	82	80	90	90	80	90	80	90	80	90	90	89	87
99	620317106111	VAITHEESWARI R	90	82	90	80	80	90	90	90	80	90	90	90	86	89
100	620317106112	VAITHEESWARI T	80	82	90	90	90	90	80	90	90	80	90	90	90	88
101	620317106113	VALLI A	90	82	90	90	90	90	90	80	90	90	90	90	84	88
102	620317106114	VANITHA S	90	82	80	90	90	90	80	90	80	90	90	90	83	88
103	620317106116	VENNILA M	90	82	90	90	90	90	90	90	90	90	90	90	85	88
104	620317106117	VIJI D	90	90	80	90	90	90	90	90	90	90	90	80	85	87
105	620317106118	VINOTHINI R	80	88	90	80	90	90	90	90	90	80	90	90	88	87
106	620317106119	VISHNUPRIYA M	90	88	80	90	90	90	90	90	80	90	90	90	82	86
107	620317106120	YOGESHWARI A	90	80	90	80	90	90	80	90	80	90	90	90	92	86
108	620317106301	POOVARASI K	90	80	90	90	90	80	80	90	90	80	80	90	85	87
109	620317106701	TAMILSELVI G	90	80	90	90	90	80	80	90	90	80	80	90	82	88
No. of Students scored above Target Value			109	109	109	109	109	109	109	109	109	109	109	109		
Percentage of Students scored above Target			100	100	100	100	100	100	100	100	100	100	100	100		
Level			3	3	3	3	3	3	3	3	3	3	3	3		

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Faculty Incharge

Somya
HoD/ECE

P. Punidha
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Table with columns for S.No, Reg.No, Exp.No.1-16, and Avg. Out of 100. The table contains a grid of marks for 100 students across 16 experiments.

Average 21.8 21.6 21.7 21.8 21.9 21.5 21.9 21.6 22.2 22.0

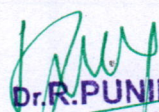
P. Birendra Faculty Incharge

S. Senthil Kumar Faculty Incharge

D.R.P. NIGHA, M.E., Ph.D., PRINCIPAL, BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKUR Page 27 of 31 THALAIVALSAR (TK), SALEM (DT).

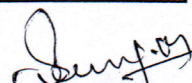
34	620317106038	KANCHANA C	A+
35	620317106039	KARTHIGA K	A+
36	620317106040	KAVARNA R	A+
37	620317106041	KAVIYARASI B	A+
38	620317106042	KEERTHANA M	O
39	620317106043	KEERTHIKA S	O
40	620317106044	KOKILA P	O
41	620317106045	KOUSALYA K	O
42	620317106046	LAVANYA R	O
43	620317106047	MALAR S	O
44	620317106048	MALATHI M	O
45	620317106049	MALAVIGA A	O
46	620317106050	MAMTHA M	A+
47	620317106051	MATHIVATHANI P	A+
48	620317106052	MOHANAPRIYA R	O
49	620317106053	MONIKA K	A+
50	620317106054	MONISHA B	O
51	620317106055	MYTHILI PRIYA G	O
52	620317106056	NANDHINI N	O
53	620317106058	NISHA M	A+
54	620317106059	NISHANTHINI R	A+
55	620317106060	NITHYA K	O
56	620317106061	NIVETHA K	O
57	620317106064	PASUMAIRANI G	A+
58	620317106065	PAVITHRA M	O
59	620317106066	PAVITHRA S	O
60	620317106067	POOVARASI C	A+
61	620317106068	PREETHIASHA N	O
62	620317106069	PREMALATHA S	O
63	620317106070	PRIYA S	A+
64	620317106071	PRIYADHARSHINI R	O
65	620317106072	PRIYANGA D	A+
66	620317106074	RAJALAKSHMI R	A+
67	620317106075	RAJESHWARI R	O
68	620317106077	RAMYA M	O
69	620317106078	RANJITHA P	O
70	620317106079	RANJITHA R	A+
71	620317106080	RAVINA P	A+
72	620317106081	REHANAS BANU S	O
73	620317106082	REVATHI J	A+
74	620317106083	ROMIYA V	A+
75	620317106084	SANDHIYA V	O
76	620317106085	SANGEETHA S	A+
77	620317106086	SANTHIYA S	A

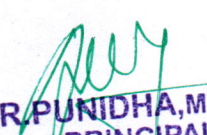
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78	620317106087	SARADHADEVI P	A
79	620317106088	SARANYA V	A+
80	620317106090	SELVARANI S	A
81	620317106091	SHAGILA P	O
82	620317106092	SHALINI S	O
83	620317106093	SHILPA C	O
84	620317106094	SHILPA R	O
85	620317106095	SINDHU T	A+
86	620317106096	SINDHUJA M	A+
87	620317106097	SNEGA S	A
88	620317106098	SNEHA J	O
89	620317106099	SNEHA R	O
90	620317106100	SNEHA R B	UA
91	620317106101	SOUNTHARYA S	O
92	620317106103	SRIVAISHNAVI A	O
93	620317106104	SURYA V	A
94	620317106105	THAMARAISELVI R	A+
95	620317106106	THAMARAISELVI S	O
96	620317106108	THOUSITH BANU S	O
97	620317106109	UMA S	A+
98	620317106110	VADIVUKKARASI V	A+
99	620317106111	VAITHEESWARI R	O
100	620317106112	VAITHEESWARI T	A+
101	620317106113	VALLI A	A
102	620317106114	VANITHA S	A
103	620317106116	VENNILA M (30-06-2000)	A+
104	620317106117	VIJI D	O
105	620317106118	VINOTHINI R	O
106	620317106119	VISHNUPRIYA M	A
107	620317106120	YOGESHWARI A	O
108	620317106301	POOVARASI K	
109	620317106701	TAMILSELVI G	A+
No. of O Grade			51
No. of A+ Grade			47
No. of A Grade			8
No. of B Grade			0
No. of B+ Grade			0
No. of U Grade			2
Target for course outcome Attainment			60
No of students above the target			106
CO-Attainment University (%)			97.25

P. Bimudha
Faculty


HOD/ECE


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BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI

Department of Electronics and Communication Engineering

COURSE OUTCOME DIRECT MEASUREMENT - Laboratory Course

COURSE CODE: EC 8361	COURSE TITLE : ANALOG AND DIGITAL CIRCUITS LABORATORY
BATCH: 2017-2021	YEAR/SEM: II/III
CLASS/SEC: II ECE A & B	FACULTY INCHARGE: Ms.P.BIRUNTHA, AP/ECE
TARGET(%): 80	TOTAL STRENGTH: 109
ATTAINMENT LEVEL:	
Level 1: 60 - 69% of the students scored more than target	
Level 2: 70 - 79% of the students scored more than target	
Level 3: 80 - 100% of the students scored more than target	

Experimentwise CO Mapping

CO/EXP.NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14
C407.1	✓	✓												
C407.2			✓	✓										
C407.3					✓	✓								
C407.4							✓	✓						
C407.5									✓	✓				
C407.6											✓	✓		

CO Attainment

CO/EXP.NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Level	CO Attainment (%)
C407.1	3	3													3.0	100
C407.2			3	3											3.0	100
C407.3					3	3									3.0	100
C407.4							3	3							3.0	100
C407.5									3	3					3.0	100
C407.6											3	3			3.0	100

P. Biruntha
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S. Senthil
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DEVIYAKURICHI - 636 112,
THALAIVASAL (TK), SALEM (DT).

Overall Attainment Sheet – COs - POs & PSOs attainment calculation

CO	CO-Attainment	CO-Attainment	Direct CO Attainment (0.20xCO-Attainment)	CO Attainment
C208.1	100.0	100.00	100.0	3
C208.2	100.0	100.00	100.0	3
C208.3	100.0	100.00	100.0	3
C208.4	100.0	100.00	100.0	3
C208.5	100.0	100.00	100.0	3
C208.6	100.0	100.00	100.0	3

Expected CO-PO Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C208.1	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.2	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.3	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.4	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.5	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.6	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208	3	3	2	1	-	-	-	-	-	-	-	-	2	2

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C208.1	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.2	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.3	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.4	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.5	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208.6	3	3	2	1	-	-	-	-	-	-	-	-	2	1
C208	3	3	2	1	-	-	-	-	-	-	-	-	2	1

Attainment of POs and PSOs:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C208	3	3	2	1	-	-	-	-	-	-	-	-	2	2
Attain	3	3	2	1	-	-	-	-	-	-	-	-	2	1

Comments by Program Coordinator : NIL

FACULTY INCHARGE: P. Binudha

Remarks by HoD : NIL

[Signature]
HoD

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