

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

2.6.2 ATTAINMENT EVALUATION OF POS &COS ACADEMIC YEAR 2019-2020

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
	CSE	3-6
	CIVIL	7-10
2019-2020	ECE	11-14
	EEE	15-18
	Sample Documents	19-32



BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CO-PO-PSO ATTAINMENT ACADEMIC YEAR 2019-2020

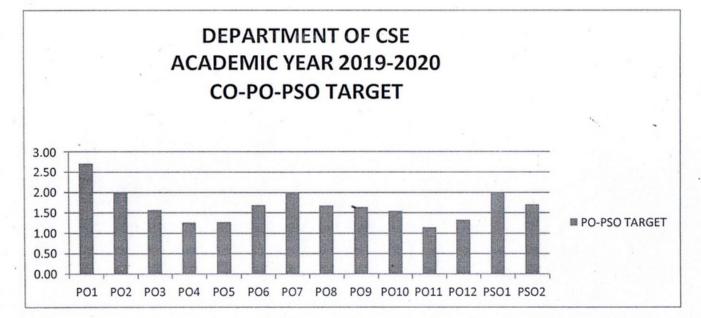
PO/PSO	Statement	Target	Attained value	Attainment %
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.71	2.27	83.76
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	1.98	1.64	82.83
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	1.35	85.99
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	1.08	85.71
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.	1.29	Dr.R.PUNDHA,	71.32 1.E.,Ph.D.,
			BHARATHIYAR INS ENGINEERING FOI	TITUTE OF R WOMEN,

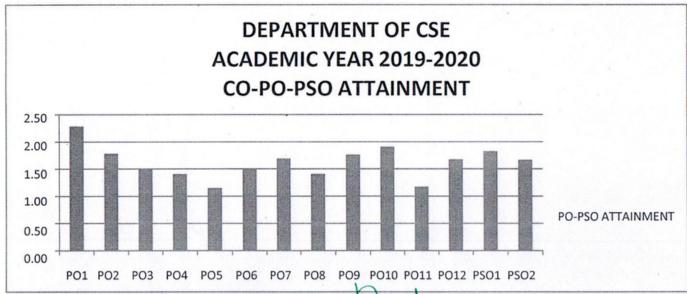
Page 3 of 32

DEVIYAKURICHI - 636 112, 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.	1.69	1.17	69.23
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.	1.90	1.44	75.79
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.68	1.54	91.67
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.64	1.62	98.78
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.	1.54	1.40	90.91
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	1.15	1.03	89.57
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.	1.33	1.13	84.96
PSO1	To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.	2	1.73	86.50
PSO2	To apply software engineering principles and practices for developing quality software for Scientific and business applications.	1.70 Dr.R.	UNIDHA,M.E.,Ph.D	77.06

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BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM DEPARTMENT OF COMPUTER SCINECE AND ENGINEERING

DEPARTMENT OF COMPUTER SCINECE AND ENGINEERING ACTION TAKEN REPORT FOR CO-PO-PSO ATTAINMENT ACADEMIC YEAR 2019-2020

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 except PO6 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 (PO6) 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

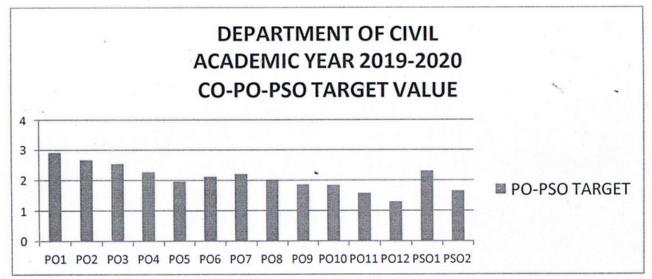
ACADEMIC YEAR 2019-2020

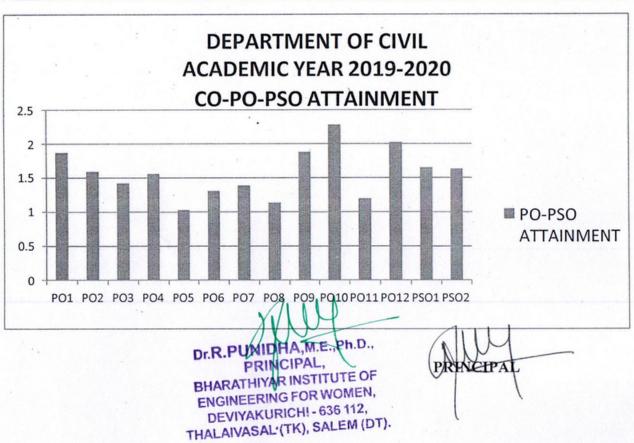
PO/PSO	Statement	Target	Attained value	Attainment %
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	2.91	1.87	64.26
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, natural sciences, and engineering sciences	2.67	1.59	59.55
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.	2.54	1.42	55.91
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	2.27	1.56	68.72
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	1.96	1.03	52.55
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	2113 VIDUA,M.E.,P	1.31 h.D.,	61.79

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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.	2.21	1.39	62.90
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	2.02	1.14	56.44
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.88	1.86	98.93
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	2.28	1.84	80.70
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	1.57	1.2	76.43
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.	2.02	1.29	63.86
PSO1	To apply the engineering fundamentals to an analyze and design the various structural components.	2.31	1.65	71.43
PSO2	Able to cater to the changing industrial needs and capable of developing green concepts for different applications.	1.67	1.63	97.60

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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 2019-2020

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 following Program Outcome and Program Specific Outcomes (PO9, PO10, P011, PSO1, 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 need to be explained with the practical concept and more workshops will be conducted
- 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) 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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Page 10 of 32



BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN DEVIYAKURICHI-636112, SALEM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CO-PO-PSO ATTAINMENT

ACADEMIC YEAR 2019-2020

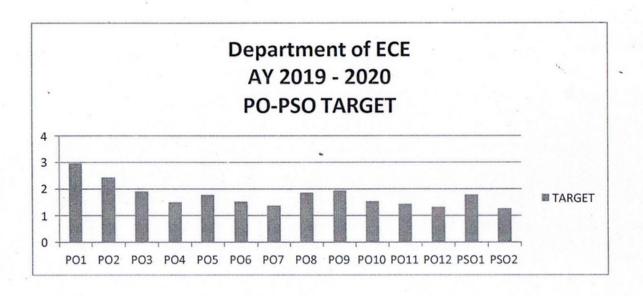
PO/PSO	Statement	Target	Attained value	Attainment %
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.97	2.42	81.5
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	2.43	2	82.3
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	1.9	1.57	82.6
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	1.5	1.24	82.7
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.	1.77	1.31	74.0
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. Dr.R. Pultiona.	1.52 E.,Ph.D.,	1.27	83.6

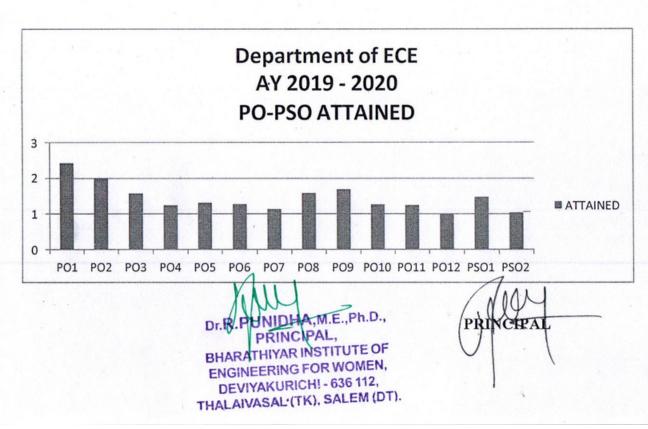
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PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	1.36	1.14	83.8
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.85	1.58	85.4
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	1.94	1.69	87.1
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.	1.53	1.26	82.4
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	1.43	1.24	86.7
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.	1.32	1	75.8
PSO1	Apply the principles of advanced communication systems, IoT based embedded systems, Advanced Signal & Image Processing, modern Semiconductor Technologies to develop digital forums.	1.78	1.47	82.6
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.	1.26	1.04	82.5

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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 2019-2020

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 75 and above. Target is attained.

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.

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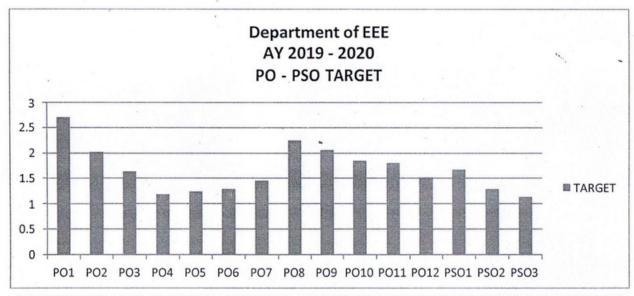
Department of Electrical and Electronics Engineering CO-PO-PSO ATTAINMENT ACADEMIC YEAR 2019-2020

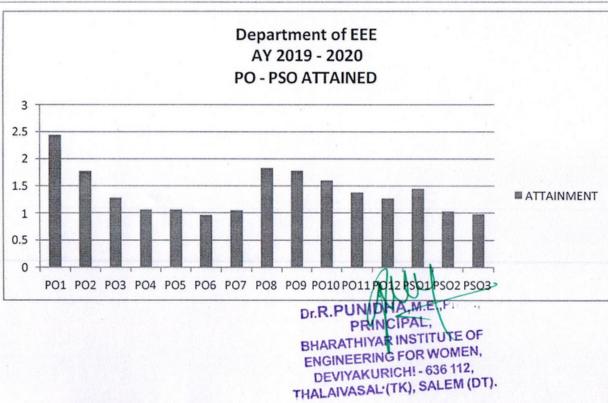
PO/PSO	Statement	Target	Attained value	Attainmen %
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	2.71	2.44	90
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	2.02	1.77	87.6
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	1.64	1.28	78.0
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	1.18	1.06	89.8
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.	1.24	1.06	85.5
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.	1,29	0.96	74.4

BHARATHIYAR INSTITUTE OF 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.	1.45	1.05	72.4
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	2.25	1.83	81.3
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	2.06	1.78	86.4
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.	1.85	1.6	86.5
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	1.8	1.38	76.7
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.	1.52	1.27	83.6
PSO1	Apply knowledge of mathematics, engineering sciences and multidisciplinary knowledge to the solution of electrical and electronics engineering problems.	1.67	1.45	86.8
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	1.03	79.8
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	0.98	86.7

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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 2019-2020

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 75 and above. Target is attained.

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.

• Students ere motivated to attend implant trainings and more internships.

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COI	URSE CODE/TITLE	EE8552 (C303)/ POWER ELE	CTRO	TRONICS												_		201	2018-2022																	
	CLASS/SECTION	III / EEE	CIRC	COURSE OUTCOME											1	2	3	4	5	6																
	COURSE			TARGET(%)										60	60	60	60	60	60																	
(COORDINATOR	MRS.K.C.KAVITHA		TOTAL STRENGTH												51																				
		Level		Range																																
ATT	TAINMENT LEVEL	1		60% of the students scored more than target													-																			
		2		70% of the students scored more than target																																
	r	3													86	% of 1	the stu	dents	score	1 more	than t	arget														
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		STUDENT	Cı	-	C3	C4	C5	C6	C1	C2 (C3	C4	C5	C6	C1	C2	СЗ	C4	C5	C6	C1	C2	СЗ	C4	C5	C6	C1	C2	СЗ	C4	C5	C				
	62024740500	AKUA B	66	-	_					(66	34						30	34	36		10			10	10	66	44	66	64	44	46				
2	620317105001	AKILA R	53	27						50	6.1	28.9		-	-			26	30	31		9.0			8	8.0	53	36	56	55	38	39				
3	620317105002	AKILA S	56	+						57	7.4	29.6						26	30	32		8.0			9	9.0	56	37	57	56	39	41				
-	620317105003	ARCHANA A	63	32						60	0.7	31.3						28	32	33		9.0			8	8.0	63	41	61	59	40	41				
4	620317105004	ARTHI T	54	28						56	6.8	29.2						26	30	31		9.0			8	9.0	54	37	57	55	38	40				
5	620317105005	ATCHAYALAKSHMI S	57	-						54	4.8	28.2						26	29	31		8.0			9	8.0	57	38	55	54	38	39				
7	620317105007	BHUVANESWARI M	53	-						54	4.8	28.2						26	29	31		9.0			9	9.0	53	36	55	54	38	40				
-	620317105008	DIVYA M	53	28						57	7.4	29.6						26	29	31		9.0			8	9.0	53	37	57	55	37	40				
8	620317105009	ELAKKIYA M	53	27						56	5.1	28.9						26	30	32		9.0			9	9.0	53	36	56	55	39	41				
9	620317105010	GOVINTHAMMAL K	59	31						61	1.4	31.6						26	30	31		9.0			8	9.0	59	40	61	58	38	40				
10	620317105011	HEMALATHA P	60	31						59	0.4 3	30.6						28	32	34		8.0			9	8.0	60	39	59	59	41	42				
11	620317105012	ISHWARYA A	55	28						56	5.8 2	29.2						28	32	33		8.0			8	8.0	55	36	57	57	40	41				
12	620317105015	KEERTHANA V	55	29						56	5.8 2	29.2						26	30	31		8.0			9	8.0	55	37	57	55	39	39				
13	620317105016	KIRUTHIGA K	59	30						58	1.1 2	29.9						27	30	32		9.0			8	9.0	59	39	58	57	38	41				
14	620317105018	MAHALAKSHMI S	53	27						56	.8 2	29.2						26	30	31		8.0			8	8.0	53	35	57	55	38	39				
15	620317105020	MAYAVATHI P	53	27						55	.4 2	28.6						26	29	31		9.0			8	9.0	53	36	55	54	37	40				
16	620317105022	NANDHINI T	54	28						56	.1 2	28.9						26	30	31		9.0			9	9.0	54	37	56	55	39	40				
17	620317105023	NARMATHA T	55	28						56	.8 2	9.2						26	30	32		9.0			9	9.0	55	37	57	56	39	41				
18	620317105024	NITHYA P	59	30				2		57	.4 2	9.6						27	31	32		8.0			9	8.0	59	38	57	57	40	40				
19		NIVETHA S	56	29						56	.8 2	9.2						26	30	31		8.0			9	8.0	56	37	57	55	39	39				
20	620317105026	PARVATHI S	53	27						56.	.1 2	8.9						26	30	32		8.0			8	8.0	53	35	56	55	38	40				
21	620317105027	PAVITHRA P	53	28						57.	.4 2	9.6						26	29	31		9.0			9	8.0	153	87	57	55	38	39				
22	620317105028	PERIYANAYAKI S	59	30						59.	4 3	0.6						26	30	32		9.0			8	901	59	39	59	57	38	41				
23	620317105029	POONKODI T	53	27		4				56.	.8 2	9.2						26	30	31		9.0		Dr.F	8	411	(F)	FA	N7 F	39h	. [36.	40				
24	620317105031	PRIYANGA K	54	28						57.	4 2	9.6						26	29	31		8.0			9		SIN	360	ASP	55	38	39				

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

1 62	62	60	41	42
8 57	57	56	38	41
7 56	56	54	38	39
5 57	57	55	38	39
57	57	56	39	41
57 58	58	57	40	40
39 59	59	56	38	40
36 56	56	54	37	40
36 57	57	55	38	39
37 57	57	54	37	31
35 59	59	56	38	39
35 56	56	55	39	39
37 55	55	53	37	39
11 61	61	58	38	4
19 62	62	59	40	40
10 61	61	59	39	42
8 57	57	56	38	41
6 56	56	55	38	40
9 58	58	55	37	40
5 55	55	55	38	40
8 58	58	57	39	41
12 63	63	61	40	43
38 57	57	56	38	41
37 56	56	55	37	39
38 55	55	54	38	39
37 56	56	55	38	40
38 58	58	56	38	39
				5
		3	3	3
10	51 100.0	51 51 100.0 100.0	51 51 51 100.0 100.0 100.0 3 3 3	51 51 51 51 100.0 100.0 100.0 100.0 3 3 3 3

Dr.R.PUNIDHA M.E.,Ph.D., PRINCIPAL, BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICH! - 636 112. THALAIVASAL (TK), SALENI, OT).

Overall Attainment Sheet - COs - POs & PSOs attainment calculation	alculation
--	------------

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
C303.1	100.0	37.25	49.8	2
C303.2	100.0	37.25	49.8	2
C303.3	100.0	37.25	49.8	2
C303.4	100.0	37.25	49.8	2
C303.5	100.0	37.25	49.8	2
C303.6	100.0	37.25	49.8	2

Closure of the Quality Loop:

со	CO-Target for A		CO Attainment Gap for (%) 16-17	Action Proposed to Bridge the
	19-2	20		Di lage the
C303.1	51	49.8		-
C303.2	51	49.8		-
C303.3	51	49.8		-
C303.4	51	49.8		-
C303.5	51	49.8		-
C303.6	51	49.8		-

Expected CO-PO Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C303.1	3	2	1	1	-	-	-	-	-	-	-	1	2	-	1
C303.2	3	2	1	1	-	-	-	-		-	-	-	2		1
C303.3	3	2	1	1	-	-	-	-	-	-	-	-	2		1
C303.4	3	2	1	1	-	-	-	-	-	-	-	-	2		1
C303.5	3	2	1	1	-	-	-	-	-	-		1	2	-	1
C303.6	3	2	1	1	-	-	-	-		-		1	2	2	1
C303	3	2	1	1	-	-	-	-		-		1	2	2	1

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C303.1	2	1.33	0.67	0.67	-		-		-	-	-	0.67	1.33		0.67
C303.2	2	1.33	0.67	0.67	-	-	-	-		-	-		1.33	-	0.67
C303.3	2	1.33	0.67	0.67	-	-	-		-	-		-	1.33	-	0.67
C303.4	2	1.33	0.67	0.67	-	-	-						1.33		0.67
C303.5	2	1.33	0.67	0.67	-		-	-	-	-		0.67	1.33	-	0.67
C303.6	2	1.33	0.67	0.67	-	-				-	-	0.67	1.33	1.33	0.67
C303	2	1.33	0.67	0.67	-	-	-			-		0.67	1.33	1.33	0.67

Attainment of POs and PSOs:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PO12	PSO1	PSO2	PSO3
C303	3	2	1	1	-	-		-	-		-	1	2	2	1
Attainm ent	2	1.33	0.67	0.67	-	-		-	-	-		0.67	1.33	1.33	0.67

Name and Signature of the Faculty Member

UNIDHA,M.E.,Ph.D., BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI - 636 112,

THALAIVASAL'(TK), SALEM (DT).

BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN

DEPARTMENT OF EEE

COURSE OUTCOME ATTAINMENT - UNIVERSITY EXAMINATION ACADEMIC YEAR : 2019-2020 (ODD SEM)

CLASS /SEC: III EEE

Batch:2017-2021

SUBJECT: EE8552 (C303)/ POWER ELECTRONICS

CO Attainment Level: 1 - (60% - 69%) 2- (70%-79% 3-(80% and Above)

TOTAL STRENGTH 51

S.NO	Register No	NAME	Univ. Grade
1	620317105001	AKILA R	U
2	620317105002	AKILA S	U
3	620317105003	ARCHANA A	Α
4	620317105004	ARTHI T	U
5	620317105005	ATCHAYALAKSHMI S	В
6	620317105007	BHUVANESWARI M	В
7	620317105008	DIVYA M	В
8	620317105009	ELAKKIYA M	U
9	620317105010	GOVINTHAMMAL K	В
10	620317105011	HEMALATHA P	U
11	620317105012	ISHWARYA A	В
12	620317105015	KEERTHANA V	U
13	620317105016	KIRUTHIGA K	UA
14	620317105018	MAHALAKSHMI S	U
15	620317105020	MAYAVATHI P	U
16	620317105022	NANDHINI T	UA
17	620317105023	NARMATHA T	U
18	620317105024	NITHYA P	В
19	620317105025	NIVETHA S	UA
20	620317105026	PARVATHI S	U
21	620317105027	PAVITHRA P	U
22	620317105028	PERIYANAYAKI S	В
23	620317105029	POONKODI T	U
24	620317105031	PRIYANGA K	U .
25	620317105033	RANJITHA S	U
26	620317105034	SANDHIYA M	В
27	620317105035	SARATHY G	U
28	620317105036	SASIKALA C	U
29	620317105038	SATHYA P	U
30	620317105039	SATHYA R	А
31	620317105040	SATHYA S	B+
32	620317105041	SHALINI J	U
33	620317105042	SIVARANJANI R	U
34	620317105043	SOWMIYA S	U
35	620317105044	SOWNDHARYARE PUNIDHA, M.E	

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

36	620317105045	SUGUNA S	U
37	620317105047	SUSHMITHA S	U
38	620317105048	SUVITHA R	U
39	620317105049	TAMILSELVI S	В
40	620317105050	THAMAYANTHI K	U
41	620317105051	THAMIZHARUVI T	U
42	620317105052	THARANI A	U
43	620317105053	THENMOZHI S	В
44	620317105054	THULASI J	U
45	620317105056	VARSHA P	В
46	620317105057	VELUMANI K	B∔
47	620317105058	VIJAYALAKSHMI M	B+
48	620317105059	VIJAYALAKSHMI T	В
49	620317105301	GAYATHRI S	В
50	620317105302	NANDHINI P	В
51	620317105701	INIYA R	U
	No	. of O Grade	0
	No.	of A+ Grade	0
		. of A Grade	2
		o.of B Grade	3
		of B+ Grade	14
		. of U Grade	4
	course outcome Atta		60
	ents above the target		19
O-Attain	ment University	(%)	37.25

HOD

PRINCIPAL

D.R.PUNIDHA, M.E., Ph.D., PRINCIPAL, BHARATHIYAR INSTITUTE OF

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

BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI

Department of Electrical and Electronics Engineeering COURSE OUTCOME DIRECT MEASUREMENT - Laboratory Course **ACADEMIC YEAR : 2019- 2020**

COLL	RSE CODE: EE868	81(C316)	RAT		016-20	A	LAR:	2019-	2020									
		CROPROCESSOR AND											1					
The state of the s	CONTROLLER		YEA	R/SEN	M: III/	VI												
		E:Ms.V.GOMATHI,	CLAS	SS/SE	C: III	EEE					le 19							
AP/EI																		
	INMENT LEVEL 1: 60 - 69% of the	students scored more	TOT	AL ST	REN	GTH												50
than t		students scored more	Т-	+ (0/)														80
Level	2: 70 - 79% of the	students scored more	Targe	et (%))													
S.No	AU Reg. No.	Name of the Student	1	2	3	4	5	6	Expe	rimer 8	t No	10	11	12	13	14	15	Final Mark
1	620317105001	AKILA R	80	90	80	90	90	80	80	90	80	90	90	80	90	90	80	85
2	620317105002	AKILA S	90	80	90	80	80	90	90	90	90	90	90	90	90	90	90	88
3	620317105003	ARCHANA A	90	90	80	90	90	80	80	90	90	80	90	90	80	80	90	87
4	620317105004	ARTHI T	80	90	90	90	80	80	90	80	90	90	90	90	90	90	90	87
5	620317105005	ATCHAYALAKSHMI S	80	90	90	82	90	90	80	90	80	90	90	90	90	90	90	87
6	620317105007	BHUVANESWARI M	90	80	90	80	90	80	90	80	90	90	90	80	90	90	80	86
7	620317105008	DIVYA M	90	80	80	90	90	90	80	90	90	90	90	90	90	90	90	88
8	620317105009	ELAKKIYA M	80	90	90	90	80	80	90	80	90	80	90	90	80	80	90	86
9	620317105010	GOVINTHAMMAL K	90	80	82	90	90	80	90	80	90	90	80	90	90	90	90	86
10	620317105011	HEMALATHA P	90	90	90	84	90	90	90	80	90	80	90	90	80	80	90	88
11	620317105012	ISHWARYA A	90	90	88	82	80	90	80	90	80	90	90	80	90	90	80	86
12	620317105015	KEERTHANA V	80	90	90	90	82	80	90	80	90	90	80	80	90	90	80	85
13	620317105016	KIRUTHIGA K	90	88	90	90	90	90	80	90	90	80	90	90	80	80	90	88
14	620317105018	MAHALAKSHMI S	80	90	90	80	80	90	90	80	80	90	90	90	90	90	90	86
15	620317105020	MAYAVATHI P	90	82	90	90	80	90	80	90	80	90	90	90	90	90	90	87
16	620317105022	NANDHINI T	80	82	90	80	90	90	90	80	90	90	90	90	90	90	90	87
17	620317105023	NARMATHA T	90	82	90	90	90	80	80	80	90	90	90	80	90	90	80	-86
18	620317105024	NITHYA P	80	82	80	90	90	90	90	90	80	80	90	90	80	80	90	86
19	620317105026	PARVATHI S	80	90	90	90	90	90	90	80	80	90	90	90	90	90	90	88
20	620317105027	PAVITHRA P	90	82	90	80	64	90	90	80	90	80	90	80	80	80	80	84
21	620317105028	PERIYANAYAKI S	90	90	90	90	90	90	80	90	90	90	90	90	90	90	90	89
22	620317105029	POONKODI T	80	90	80	90	82	90	80	90	90	80	90	90	80	80	90	86
23	620317105031	PRIYANGA K	80	90	80	90	90	90	90	80	80	90	90	80	90	90	80	86
24	620317105033	RANJITHA S	90	82	80	90	90	90	90	90	90	90	90	90	90	90	90	89
25	620317105034	SANDHIYA M	90	82	90	90	90	90	80	80	90	90	90	90	90	90	90	88
26	620317105035	SARATHY G	80	88	90	80	80	90	90	90	90	80	90	90	80	80	90	87
27	620317105036	SASIKALA C	90	80	80	80	90	90	90	90	90	90	90	90	90	90	90	88
28	620317105038	SATHYA P	90	88	90	90	90	80	90	90	90	80	80	90	80	80	90	87
29	620317105039	SATHYA R	90	90	88	80	80	90	90	90	80	80	90	80	80	80	80	86
30	620317105040	SATHYA S	90	80	. 90	90	80	90	82	80	90	90	90	90	90	90	90	87
31	620317105041	SHALINI J	90	80	90	90	90	80	90	90	90	90	90	90	90	90	90	88
32	620317105042	SIVARANJANI R	80	90	90	90	90	80	90	80	90	80	80	80	80	80	80	85
33	620317105043	SOWMIYA S	90	80	90	90	82	88	80	90	90	80	90	90	80	80	90	87
34	620317105044	SOWNDHARYA P	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
35	620317105045	SUGUNA S	90	90	90	80	90	90	90	80	90	80	90	90	80	80	90	88
36	620317105047	SUSHMITHA S	80	90	90	90	80	80	88	80	90	80	90	80	80	80	80	85
37	620317105048	SUVITHA R	90	90	90	90	90	90	80	90	790,	80	90	90	80	80	90	88

UDHA,M.E.,Ph.D., PRINCIPAL,
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Page 24 of 32

620317105049	TAMILSELVI S	90	90	80	88	80	90	90	80	80	90	. 90	90	90	90	90	87
620317105050	THAMAYANTHI K	80	90	90	82	80	90	90	80	80	90	90	80	90	90		85
620317105051	THAMIZHARUVI T	90	88	90	90	90	90	90	90	90	90	90	90	90	-	-	90
620317105052	THARANI A	90	90	90	90	90	90	90	90	90	90	90	90	90			90
620317105053	THENMOZHI S	90	90	80	90	90	90	90	80	80	90	90	80	90			87
620317105054	THULASI J	80	90	90	90	82	80	90	80	90	90	80	80	90		-	85
620317105056	VARSHA P	90	80	90	90	90	90	80	90	90	80	90	90	80	-	-	88
620317105057	VELUMANI K	80	80	90	80	80	90	90	80	80	90	90	90	90	-		85
620317105058	VIJAYALAKSHMI M	90	80	90	90	80	90	80	90	-80	90	90	90	90			87
620317105059	VIJAYALAKSHMI T	80	82	90	80	90	90	90	80	90	90	90	90	90		-	87
620317105301	GAYATHRI S	90	82	90	90	90	80	80	80	90	90	90	80	90			86
620317105302	NANDHINI P	80	90	80	90	90	90	90	90	80	80	90	90	80			87
620317105701	INIYA R	90	88	90	90	90	90	90	80	80	90	90	90	90		-	88
Students scored a	bove Target Value	50	50	50	50	49	50	50	50	50	50	50	50			-	00
		100	100	100	100	98	100	100	100	100	100	100	100				
		3	3	3	3	3	3	3	3	3	3	3		ALC: UNI			
	620317105050 620317105051 620317105052 620317105053 620317105054 620317105056 620317105057 620317105058 620317105059 620317105301 620317105302 620317105701 Students scored a	620317105050 THAMAYANTHI K 620317105051 THAMIZHARUVI T 620317105052 THARANI A 620317105053 THENMOZHI S 620317105054 THULASI J 620317105056 VARSHA P 620317105057 VELUMANI K 620317105058 VIJAYALAKSHMI M 620317105059 VIJAYALAKSHMI T 620317105301 GAYATHRI S 620317105302 NANDHINI P	620317105050 THAMAYANTHI K 80 620317105051 THAMIZHARUVI T 90 620317105052 THARANI A 90 620317105053 THENMOZHI S 90 620317105054 THULASI J 80 620317105056 VARSHA P 90 620317105057 VELUMANI K 80 620317105058 VIJAYALAKSHMI M 90 620317105059 VIJAYALAKSHMI T 80 620317105301 GAYATHRI S 90 620317105701 INIYA R 90 Students scored above Target Value 50 ntage of Students scored above Target 100	620317105050 THAMAYANTHI K 80 90 620317105051 THAMIZHARUVI T 90 88 620317105052 THARANI A 90 90 620317105053 THENMOZHI S 90 90 620317105054 THULASI J 80 90 620317105056 VARSHA P 90 80 620317105057 VELUMANI K 80 80 620317105058 VIJAYALAKSHMI M 90 80 620317105059 VIJAYALAKSHMI T 80 82 620317105301 GAYATHRI S 90 82 620317105701 INIYA R 90 88 Students scored above Target Value 50 50 ntage of Students scored above Target 100 100	620317105050 THAMAYANTHI K 80 90 90 620317105051 THAMIZHARUVI T 90 88 90 620317105052 THARANI A 90 90 90 620317105053 THENMOZHI S 90 90 80 620317105054 THULASI J 80 90 90 620317105055 VARSHA P 90 80 90 620317105057 VELUMANI K 80 80 90 620317105058 VIJAYALAKSHMI M 90 80 90 620317105059 VIJAYALAKSHMI T 80 82 90 620317105301 GAYATHRI S 90 82 90 620317105701 INIYA R 90 88 90 Students scored above Target Value 50 50 50 ntage of Students scored above Target 100 100 100	620317105050 THAMAYANTHI K 80 90 90 82 620317105051 THAMIZHARUVI T 90 88 90 90 620317105052 THARANI A 90 90 90 90 620317105053 THENMOZHI S 90 90 80 90 620317105054 THULASI J 80 90 90 90 620317105056 VARSHA P 90 80 90 90 620317105057 VELUMANI K 80 80 90 80 620317105058 VIJAYALAKSHMI M 90 80 90 90 620317105301 GAYATHRI S 90 82 90 90 620317105302 NANDHINI P 80 90 80 90 620317105701 INIYA R 90 83 90 90 Students scored above Target Value 50 50 50 50 ntage of Students scored above Target 100 100 100 100 </td <td>620317105050 THAMAYANTHI K 80 90 90 82 80 620317105051 THAMIZHARUVI T 90 88 90 90 90 620317105052 THARANI A 90 90 90 90 90 620317105053 THENMOZHI S 90 90 80 90 90 620317105054 THULASI J 80 90 90 82 620317105056 VARSHA P 90 80 90 90 90 620317105057 VELUMANI K 80 80 90 80 80 620317105058 VIJAYALAKSHMI M 90 80 90 90 80 620317105301 GAYATHRI S 90 82 90 90 90 620317105302 NANDHINI P 80 90 80 90 90 620317105701 INIYA R 90 88 90 90 90 Students scored above Target Value 50 50 <t< td=""><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 620317105051 THAMIZHARUVI T 90 88 90 9</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 620317105051 THAMIZHARUVI T 90 88 90 80 90 90 90 80 90 90 90 80 80 90 90 80 80 90 90 80 80 90 9</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 620317105051 THAMIZHARUVI T 90 88 90 80 80 90 90 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 90 8</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 80 620317105051 THAMIZHARUVI T 90 88 90 80 80 90 90 90 80 80 90 90 80 90 90 90 80 90 90 90 80 80 90 90 80 80 90 90 8</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 80 90 90 620317105051 THAMIZHARUVI T 90 88 90 80 90 90 90 80 90 90 80 90 90 80 90 90 80 90 9</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 90 90 90 90 90 90 90 90 90 90 90</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 90 90 90 90 90 90 90 90 90 90 90</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90</td></t<></td>	620317105050 THAMAYANTHI K 80 90 90 82 80 620317105051 THAMIZHARUVI T 90 88 90 90 90 620317105052 THARANI A 90 90 90 90 90 620317105053 THENMOZHI S 90 90 80 90 90 620317105054 THULASI J 80 90 90 82 620317105056 VARSHA P 90 80 90 90 90 620317105057 VELUMANI K 80 80 90 80 80 620317105058 VIJAYALAKSHMI M 90 80 90 90 80 620317105301 GAYATHRI S 90 82 90 90 90 620317105302 NANDHINI P 80 90 80 90 90 620317105701 INIYA R 90 88 90 90 90 Students scored above Target Value 50 50 <t< td=""><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 620317105051 THAMIZHARUVI T 90 88 90 9</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 620317105051 THAMIZHARUVI T 90 88 90 80 90 90 90 80 90 90 90 80 80 90 90 80 80 90 90 80 80 90 9</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 620317105051 THAMIZHARUVI T 90 88 90 80 80 90 90 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 80 80 90 90 8</td><td>620317105050 THAMAYANTHI K 80 90 90 82 80 90 90 80 80 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							COURS	E CODE	: EE8	581 CO	URSE T	ITLE : N	ICRO PR	OCESS	OR ANI	MICR	OCONT	ROLLE	R LABOR	ATORY	ACADE	MIC YE	EAR : 20	19- 20	20 BATC	H: 2016	5-2020	FACUL	TY INC	HARGE	: Ms.V.G	ОМАТІ	HI Year,	/Sem:	III /VI								
								P. S.A.	30				Men								1500				The state of		Buch	UJS				1	200				101/10000					Expe	riment
S.No	Reg.No		ALL.	Exp	.No. 1					Exp	.No. 2					Exp	.No. 3					Exp	.No. 4				7.5	Exp.	No. 5					Exp.	No. 6					Exp	.No. 7		1
		P1	P2	P3	P4	P5	TOT	PI	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	тот	P1	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	TOT
1	620316105001	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0
2	620316105002	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20,0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
3	620316105003	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0
4	620316105004	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
5	620316105005	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.5	4.0	4.0	4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
6	620316105006	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
7	620316105007	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
8	620316105008	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
9	620316105009	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.5	4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
10	620316105010	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.5	4.5	4.0	4.0	21.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
11	620316105011	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.0	4.5	22.0	4.0	4.0	4.5	4.0	4.0	20.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
12	620316105012	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	. 22.5	4.0	4.0	4.5	4.0	4.0	20.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
13	620316105014	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.0	22.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22,5	4.0	4.0	4.0	4.0	4.0	20.0
14	620316105015	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
15	620316105016	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.5	20,5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
16	620316105017	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.5	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
17	620316105018	4.5	4.5	4.5	4.5	4.5	22,5	4.0	4.0	4.0	4.0	4.5	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0
18	620316105019	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.5	20.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
19	620316105020	4.0	4.0	4.0	4.0	4.0	20.0	4.5	. 4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
20	620316105022	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.5	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	45	4.0	4.0	16.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
21	620316105023	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	'4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
22	620316105024	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.5	4.0	4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
23	620316105025	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
24	620316105026	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.5	20.5	4.0	4.0	4.0	4.0	4.0	20,0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
25	620316105027	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.5	4.0	4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
26	620316105028	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.0	22.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
27	620316105029	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20,0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
28	620316105030	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.0	22.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
29	620316105031	4.5	4.5	4.5	4.5	4.5	22.5	4.5	5 4.5	4.5	4.5	4.5	22.5	4.5	4.0	4.5	4.5	4.5	22.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
30	620316105032	4.5	4.5	4.5	4.5	4.5	22.5	4.0	0 4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.5	4.0	4.0	20.5

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		45	4.5	4.5	4.5	4.5	22.5	4.0	4.0	0 4.	.0 4.	0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
	620316105033	4.5	4.5	4.0	4.0	4.0	20.0	4.5					- 8	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5			4.5	22.5
	620316105034	4.0	-		4.5	4.5	22.5	4.0	-				4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.5	4.0	20.5	4.5	4.0	4.5	4.5	4.5	22.0		4.0			4.0	20.0
	620316105035	4.5	4.5	4.5	4.5	4.5	22.5	4.5	-		_		4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	-22.5	4.5				4.5	22.5
1	620316105036	4.5	4.5	4.5	4.5	4.5	22.5	4.5	-				4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0		4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
	620316105038		4.0	4.0	4.0	4.0	20.0	4.5		-				22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.5			4.5	22.0
10.000	620316105039	4.0	4.5	4.5	4.5	4.5	22.5	4.5	-			-	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0			4.0	20.0
37	620316105040		-	4.5	4.5	4.5	22.5	4.5					4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.0	4.5	4.5	4.5	22.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5		4.5	22.5
38	620316105041	4.5	4.0	4.0	4.0	4.0	20.0	4.5					4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0		4.0	4.0	4.0	20.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
39	620316105042	4.0	_				22.5	4.5	-					22.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
40	620316105043	4.5	4.5	4.5	4.5	4.5	22.5	4.	-			-		22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22,5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
41	620316105044	4.5	4.5	4.5	-	4.5	22.5	4.5					4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
42	620316105046	4.5	4.5	4.5	4.5	4.5		4.5	-			-	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5		22.5	4.0	4.0	4.0	4.0	4.0	20.0
43	620316105047	4.5	-	4.5	4.5	4.5	22.5		-	-		-	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5		22.5	4.5	4.5	4.5	4.5	4.5	22.5
44	620316105048	4.5	4.5	4.5	4.5	4.5	22.5	4.0		-		-	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	-	4.0	4.0	4.0	20.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5		22.5		4.0	4.0	4.0	4.0	20.0
45	620316105050	4.5	4.5	4.5	4.5	4.5	22.5	4.0					4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.5	4.0	4.0	4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	-	22.5	4.0	4.5	4.0	4.0	4.0	20.5
	620316105051	4.5	4.5	4.5	4.5	4.5	22.5	4.			-		4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0		20.0	4.5	4.5	4.5	4.5	4.5	22.5
47	620316105052	4.5	4.5	4.5	4.5	4.5	22.5						4.5	20.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0		4.0	4.0	4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5		22.5	4.0	4.0	4.0	4.0	4.0	20.0
	620316105053	4.5	4.5	4.5	4.5	1000		4.	-				4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0		4.0	4.0	4.0	20.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	-		20.0	4.5	4.5	4.5	4.5	4.5	22.5
49	620316105054	4.5		4.5	4.5	4.5	22.5	4.					4.0	22.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5		22.5	4.5	4.5	4.5	4.5	4.5	22.5
50	620316105055	4.5	4.5	4.5	4.5	4.5	21.0		0 4.				4.5	21.0	4.0	4.5	4.0	4.0	4.5	21.0	4.0	-	4.0	4.0	4.5	21.0	4.0	4.5	4.0	4.0	4.5	21.0	4.0	4.5	4.0	100		21.0	4.0	4.5	4.0	4.0	4.5	21.0
51	620316105056	4.0	4.5	4.0	4.0	4.5	21.0	4.	-	-	_	-	4.5	21.0	4.0	4.0	4.5	4.0	4.5	21.0	4.0	-	4.5	4.0	4.5	21.0	4.0	4.0	4.5	4.0	4.5	21.0	4.0	4.0	4.5	4.0	-	21.0	4.0	4.0	4.5	4.0	4.5	21.0
52	620316105058	4.0	4.0	4.5		4.0	21.0						4.0	21.0	4.0	4.5	4.0	4.5	4.0	21.0	4.0	-	4.0	4.5	4.0	21.0	4.0	4.5	4.0	4.5	4.0	21.0	4.0	4.5	4.0	4.5		21.0	4.0	4.5	4.0	4.5	4.0	21.0
53	620316105059	4.0	4.5	4.0	4.5		20.0	4.					4.0	22.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	-	-	20.0		4.5	4.5	4.5	4.5	22.5
54	620316105060	4.0	-	4.0	4.0	4.0			-	-		-	4.0	22.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0			20.0		4.0	4.0	4.0	4.0	20.0
55	620316105301	4.5		4.5	4.5	4.5	22.5	4.			-		4.0	22.0	4.5	4.5	4.5	4.5		22.5	4.0	-	4.0		4.0	20.5	4.5	4.5	-	4.5	4.5	22.5	4.5	4.5	4.5		-	22.5		4.0	4.0	4.0		20.0
56	620316105302	4.5	4.5	4.5	4.5	4.5	22.5	4.					4.0	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	-	4.0	4.0	4.0	20.5	4.0	4.0	4.0	4.0	-	20.0	4.5	4.5	4.5	-	-	22.5	4.5	4.5	4.5	4.5	-	22.5
57	620316105303	4.5	-	4.5	4.5	4.5	22.5		.5 4		-			22.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0		4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5		22.5	4.5	4.5	4.5	20/8"		22.5		4.0	4.0	4.0	-	20.0
58	620316105304	4.5	-	4.5	4.5	4.5	22.5	0000	.5 4	-			4.0					-	-		4.5	-	-		4.5	22.5	4.5	4.5				22.5	4.0	4.0	4.0	-		20.0		4.5	4.5	4.5	-	22.5
59	620316195901	4.5	4.5	4.5	4.5	4.5	22.5	4.	.5 4	.5			4.0	22.0	4.0	4.0	4.0		4.0	20.0	4.5	4,5	_		4.5	22.3	4.5	4.3			4.5	1 22.3	4.0	4.0			1.0		1.5	4.5			1.5	
Avera	ige				21.75						21.5	7					2	1.69						21.70					2	1.62		~		-	2	21.69						21.54		

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													COU	KSE CU	DE: , EE	8681 C												DEMIC	TEAR :	2019-	2020																	
	Exp	erimer	nt Nu	nber			12.6		1	31		9		1000									100	A LONG																	W HEE							
	Fig. Fig.																																															
N	Reg.No	P1	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	TOT	P1	P2	P3	P4	P5	тот	PI	P2	P3	P4 I	5 TO	T P	1 P	2 P.	5 P4	P5	TOT	P1	P2	P3	P4	P5	TOT
,		4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	1.5 4	5 22	5 4.	5 4.	.5 4.	5 4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
	620316105001	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	1.5 4	.5 22	5 4.	5 4.	.5 4.5	5 4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
		4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	1.0 4	.0 20	0 4.	.0 4.	.0 4.0) 4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
	620316105003	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5 4	.5 22	5 4.	.5 4.	.5 4.5	3 4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
	620316105004	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5 4	.5 22	5 4	.5 4	.5 4.5	5 4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22,5
		4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5 4	.5 22	5 4	.5 4	.5 4.	5 4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0
	620316105006	4.5	4.5	4.5	4.5	4.5	22,5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5 4	.5 22	5 4	.5 4	.5 4.	5 4.5	3 4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
•	620316105007	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0 4	.0 20	0 4	.0 4	.0 4.	0 4.0	3 4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
,	620316105008	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	.5 22	5 4	.5 4	.5 4.	5 4.5	5 4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
	620316105009	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	.0 20	0 4	.0 4	.0 4.	0 4.0	3 4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
)	620316105010	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	.5 22	5 4	.5 4	1.5 4.	5 4.5	5 4.5	22.5	4.0	4.0	4.0	4.0	4.0	20,0
ı	620316105011	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	.5 22	.5 4	.5 4	1.5 4.	5 4.	5 4.5		-				-	100000
2	620316105012	4.5	4.5	4.5	4.5	4.5	22,5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	.0 20	.0 4	.0 4	1.0 4.	0 4.0	0 4.0	20.0			4.5	4.5		22.5
;	620316105014	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	.5 22			1.5 4	5 4.	5 4.5					4.5	-	
ı		4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	1.5 22			1.5 4	.5 4.	5 4.5				-	4.5	-	-
5	620316105016	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	1.5 22	.5 4	.5 4	1.5 4	5 4.	5 4.5				-	4.5	4.5	22.5
,	620316105017	4.0	4.0	4.0	4.0	4.0	20,0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0		4.0		4.0				-										-	-	-	1000	-
7	620316105018	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	. 4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5		4.0	-								100				10000	-	-	-
,	620316105019	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5		4.5		4.5	4.5	4.5		4.5						-	-	-					-			-
)	620316105020	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0		4.0					-				00000	-		-		-				-		-
)	620316105022	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	-		1.5 22	20000		-		.5 4.5			-				22.5
1	620316105023	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5		4.5	22.5	4.0	4.0			1.0 20				-	.0 4.0		-			-	-	22.
2	620316105024	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0		4.0	20.0	4.5	4.5			1.5 22			-	.5 4.	-	-				-	-	20.0
,	620316105025	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5			1.5 27		-			.5 4.5					-	-	-
Ī	620316105026	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5			1.5 2					.5 4.5					-		-
5	620316105027	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	-		1.0 20					.0 4.0				-	-	-	22.5
5	620316105028	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	-		4.5 2					.5 4.5			-			-	22.5
7	620316105029	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0		_	4.0 2					.0 4.0				-	-	-	
8	620316105030	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0			-	00000		_		.0 4.0						-	-
9	620316105031	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5 2	2.5	4.5	4.5 4	1.5 4.	.5 4.5	5 22.5	4.5	5 4.5	4.5	4.5	4.5	22.5

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					. 1			-			4.5	22.6	A E	4 5	4.5	1.5	1.5	22.5	AS	45	45	15	4.5	22.5	15	4.5	45	45	4.5	22.5	45	45	45	45	4.5	22,5	45	4.5	45	1.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
30 620316105032	4.5	-	4.5	4.5 4.			.5 4.					22.5	4.5	4.5			1.0	20.0	4.0	4.0	4.5	4.5	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0			20.0	4.0		4.0	-		20.0		4.0	4.0	40	40	20.0
31 620316105033	4.0			4.0 4.1			.5 4.					22,5	4.0	4.0					4.0	7.5	4.0	4.0			4.0	100		4.0			-					20.0	4.0	4.0	-		- 00	20.0	4.5	4.5	4.5	4.5	4.5	22.5
32 620316105034	4.5	4.5	4.5	4.5 4.	-						-	22.5	4.0	4.0			4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5		22.5	4.0		-		-				223	-	- 100			4.5		-		22.5
33 620316105035	4.5	4.5	4.5	4.5 4.	5 22.	5 4	.5 4.	.5	4.5	4.5		22.5	4.5	4.5				22.5		4.5	4.5	4.5		22.5	4.5	4.5	4.5	4.5	4.5		4.5				4.5		4.5		200			22.5	-		4.5			
34 620316105036	4.0	4.0	4.0	4.0 4.	0 20.	0 4	.5 4.	.5	4.5	4.5		22.5	4.0	4.0		_	4.0	20.0		4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5			4.0	-				20.0	4.0	4.0	-		4.0	20.0	4.5	4.5	4.5			22.5
35 620316105038	4.0	4.0	4.0	4.0 4.	0 20.	0 4	.5 4	.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0		4.0	20.0	4.5		4.5	4.5		22.5	4.0	4.0	4.0	4.0		20.0	4.0					20.0	4.0		110		4.0	20.0	4.0	4.0	4.0	200	4.0	20.0
36 620316105039	4.5	4.5	4.5	4.5 4.	5 22.	5 4	.5 4.	.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0		4.0			20.0	4.0	4.0				20.0	4.5	4.5	4.5			22.5
37 620316105040	4.0	4.0	4.0	4.0 4.	0 20.	0 4	.0 4	.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5			11000	-	22.5	4.5	4.5			4.5	22.5	4.5	4.5	4.5		4.5	22.5
38 620316105041	4.0	4.0	4.0	4.0 4.	0 20.	0 4	.0 4	.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	_		22.5	4.5				- 55	22.5	4.0	4.0	4.0		4.0	20.0
39 620316105042	4.5	4.5	4.5	4.5 4.	5 22.	5 4	.5 4	.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5		22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	-	4.5		- 2	22.5	4.5	4.5		117	4.5	22.5	4.5	4.5	4.5	117	-	22.5
40 620316105043	4.5	4.5	4.5	4.5 4.	5 22.	5 4	.5 4	.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5		-	- 0	22.5	4.5	4.5	4.5		100	22.5
41 620316105044	4.0	4.0	4.0	4.0 4.	0 20.	0 4	.0 4	.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	-		4.5	22.5	4.0	4.0	4.0		4.0	20.0
42 620316105046	4.5	4.5	4.5	4.5 4.	5 22.	5 4	.0 4	.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	-		4.5	22.5	4.5	4.5	4.5		4.5	22.5
43 620316105047	4.0	4.0	4.0	4.0 4.	0 20.	0 4	.5 4	.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
44 620316105048	4.5	4.5	4.5	4.5 4.	5 22.	5 4	1.5 4	1.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22,5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	-	4.0	20.0	4.0	4.0	-	-	4.0	20.0	4.5	4.5	4.5	-	4.5	22.5
45 620316105050	4.5	4.5	4.5	4.5 4.	5 22	5 4	1.0 4	0.1	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	- 8	22.5	4.5	4.5	4.5	4.5	4.5	22.5
46 620316105051	4.5	4.5	4.5	4.5 4.	.5 22	5 4	1.5 4	1.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
47 620316105052	4.5	4.5	4.5	4.5 4.	.5 22	5 4	1.0 4	1.0	4.0	4.0	4.0	20,0	4.5	4.5	4.5	4.5	4.5	22,5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
48 620316105053	4.0	4.0	4.0	4.0 4.	0 20	0 4	1.5 4	1.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22,5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	- 2	22.5	4.5	4.5	4.5	4.5	4.5	22.5
49 620316105054	4.5	4.5	4.5	4.5 4	.5 22	5 4	1.5 4	1.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20,0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.0	4.0	4.0	4.0	20.5
50 620316105055	4.0	4.5	4.0	4.0 4	.5 21	.0 4	4.0 4	1.5	4.0	4.0	4.5	21.0	4.0	4.5	4.0	4.0	4.5	21.0	4.5	4.0	4.5	4.5	4.5	22.0	4.0	4.5	4.0	4.0	4.5	21.0	4.0	4.5	4.0	4.0	4.5	21.0	4.0	4.5	4.0	4.0	4.5	21.0	4.0	4.5	4.0	4.5	4.0	21.0
51 620316105056	4.0	4.0	4.5	4.0 4	5 21	.0 4	4.0 4	4.0	4.5	4.0	4.5	21.0	4.0	4.0	4.5	4.0	4.5	21.0	4.5	4.0	4.0	4.0	4.0	20.5	4.0	4.0	4.5	4.0	4.5	21.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.5	4.0	20.5	4.0	4.5	4.5	4.5	4.0	21.5
52 620316105058	4.0	4.5	4.0	4.5 4	.0 21	.0 4	4.0	4.5	4.0	4.5	4.0	21,0	4.0	4.5	4.0	4.5	4.0	21.0	4.5	4.0	4.0	4.0	4.0	20.5	4.0	4.5	4.0	4.5	4.0	21.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.5	4.0	4.5	4.5	21.5	4.0	4.5	4.0	4.0	4.0	20.5
53 620316105059	4.0	4.0	4.0	4.0 4	.0 20	.0 4	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22,5
54 620316105060	4.5	4.5	4.5	4.5 4	.5 22	.5 4	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
55 620316105301	4.0	4.0	4.0	4.0 4	.0 20	.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0
56 620316105302	4.0	4.0	4.0	4.0 4	.0 20	.0	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.0	4.0	4.0	4.0	4.0	20.0	4.0	4.0	4.0	4.0	4.0	20.0	4.5	4.5	4.5	4.5	4.5	22.5
57 620316105303	4.5	4.5	4.5	4.5 4	.5 22	.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
58 620316105304	4.0	-	4.0	4.0 4	.0 20	.0	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5	4.5	4.5	4.5	4.5	4.5	22.5
	1			.32					21.	75					21.	62					2	2.17					21	.83					21	.63					21	.62					2	.84		
Average				100		_		_						0																																		

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THALAIVASAL'(TK), SALEM (DT).



BHARATHIYAR INSTITUTE OF ENGINEERING FOR WOMEN, DEVIYAKURICHI DEPARTMENT OF EEE

COURSE OUTCOME DIRECT MEASUREMENT - Laboratory Course ACADEMIC YEAR: 2019 - 2020 (EVEN SEM)

CLASS /SEC: III EEE

Batch:2016-2020

SUBJECT :EE8681 (C316) / MICROPROCESSOR AND MICROCONTROLLER

LABORATORY

TOTAL STRENGTH: 50

S.NO	REGISTER NUMBER	NAME	UNIV GRADE
1	620317105001	AKILA R	A+
2	620317105002	AKILA S	A+
3	620317105003	ARCHANA A	0
4	620317105004	ARTHI T	A+
5	620317105005	ATCHAYALAKSHMI S	0
6	620317105007	BHUVANESWARI M	A+
7	620317105008	DIVYA M	0
8	620317105009	ELAKKIYA M	0
9	620317105010	GOVINTHAMMAL K	A+
10	620317105011	HEMALATHA P	0
11	620317105012	ISHWARYA A	0
12	620317105015	KEERTHANA V	0
13	620317105016	KIRUTHIGA K	A+
14	620317105018	MAHALAKSHMI S	0
15	620317105020	MAYAVATHI P	A+
16	620317105022	NANDHINI T	A+
17	620317105023	NARMATHA T	A+
18	620317105024	NITHYA P	0
19	620317105026	PARVATHI S	A+
20	620317105027	PAVITHRA P	A+
21	620317105028	PERIYANAYAKI S	0
22	620317105029	POONKODI T	A+
23	620317105031	PRIYANGA K	A+
24	620317105033	RANJITHA S	0
25	620317105034	SANDHIYA M	0
26	620317105035	SARATHY G	A+
27	620317105036	SASIKALA C	A+

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28	620317105038	SATINA D	1 4+
		SAIHIAP	A+
29	620317105039	SATHYA R	A+
30	620317105040	SATHYA S	0
31	620317105041	SHALINI J	A+
32	620317105042	SIVARANJANI R	A+
33	620317105043	SOWMIYA S	A+
34	620317105044	SOWNDHARYA P	0
35	620317105045	SUGUNA S	A+
36	620317105047	SUSHMITHA S	A+
37	620317105048	SUVITHA R	0
38	620317105049	TAMILSELVI S	0
39	620317105050	THAMAYANTHI K	0
40	620317105051	THAMIZHARUVI T	A+
41	620317105052	THARANI A	A+
42	620317105053	THENMOZHI S	0
43	620317105054	THULASI J	A+
44	620317105056	VARSHA P	0
45	620317105057	VELUMANI K	0
46	620317105058	VIJAYALAKSHMI M	0
47	620317105059	VIJAYALAKSHMI T	A+
48	620317105301	GAYATHRI S	0
49	620317105302	NANDHINI P	0
50	620317105701	INIYA R	0
	No	o. of O Grade	24
	No	of A+ Grade	26
	No	o. of AGrade	0
	· No	o.of B+Grade	0
	No	o. of B Grade	0
	No	o. of U Grade	0
	No.	of UA Grade	0
	Target for cou	rse outcome Attainment	60
	No of stud	ents above the target	50
	CO-Attainm	ent University (%)	100.00

Faculty h.

HOD/EEE

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Overall Attainment Sheet - COs - POs & PSOs attainment calculation

	CO-Attainment Internal (CO-	CO-Attainment University (CO-	Direct CO Attainment	СО
СО		(Avg. Attainment of All section) (%)	(0.20xCO-INT + 0.80xCO-UNI) (%)	Attainment Level
C316.1	100.0	100.00	100.0	3
C316.2	100.0	100.00	100.0	3
C316.3	100.0	100.00	100.0	3
C316.4	100.0	100.00	100.0	3
C316.5	100.0	100.00	100.0	3
C316.6	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	PSO3
C316.1	2	2	2	1	1	-		-	1	-	-	-	2	1	1
C316.2	2	2	2	1	1	-	-	-	1	-	-	-	2	1	-
C316.3	2	2	2	1	1	-	-	-	1		-	-	2	-	-
C316.4	2	2	2	1	1	-	-	-	1	-	-	-	2	-	1
C316.5	2	2	2	1	1	-	-	-	1	-	-		2	-	-
C316.6	2	2	2	1	1	-	-	-	1	-	-	-	2	1	1
C316.7	2	2 1	2	1	1	-	-	-	1	-	-	-	2	1	1

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C316.1	2	2	2	1	1	-	-	-	1	-	-	-	2	1	1
C316.2	2	2	2	1	1		-	-	1	-	-	-	2	1	-
C316.3	2	2	2	1	1	*	-	-	1	-	-	-	2	-	-
C316.4	2	2	2	1 -	1	-	-	-	1	-	-	-	2	-	1
C316.5	2	2	2	1	1	-	-	-	1	-	-	-	2	-	-
C316.6	2	2	2	1	1	1	-	-	1	-	-	-	2	1	1
C316.7	2	2	2	1	1		-	-	1		-	-	2	1	1

Attainment of POs and PSOs:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C316	2	2	2	1	1	-	-	-	1	-	-		2	1	1
Attainme nt	2	2	2	1	1		•	•	1	- /	•	•	2	1	1

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The AIVASAL (TK), SALEM TO Page 32 of 32