Dr.T.Thimmaiah Institute of Technology
Oorgaum, K.G.F-563120

SEM	**4**
Subject	**field theory**
Batch	**2020**

Name of the faculty	**B.Somashekar**
Subject code:	**18EE45**
Total Students	**15**

CO'S	Description
CO1	Explain the concept of gradient, divergence and curl of a vector. Use Coulomb's Law and Gauss Law for the evaluation of electric fields produced by different charge configurations
CO2	Explain the energy and potential due to a system of charges.
CO3	Explain the behavior of electric field across a boundary between a conductor and dielectric and Between two different dielectrics.
CO4	Explain the behavior of magnetic fields and magnetic materials
CO5	Assess time varying fields and propagation of waves in different media
CO6	

Grading Scale	Level
Score < 40	0
Score 40 to 45	1
Score 45 to 50	2
Score > 50	3

Target Percentage	50

CO's	T1	T2	T3	A	T	Q	Total Marks	External Marks
CO1	50			50			57	50
CO2							0	
CO3		50		50			57	
CO4			20				16	
CO5			30	50			41	
CO6							0	

Sl No	USN	Students Name	CO Marks in Tests											
			Test 1			A	Test 2			T	Test 3			Q
			CO1	CO1	CO1	CO1	CO3	CO3	CO3	CO3	CO4	CO5	CO5	CO2
1	1GV19EE001	ADARSH S GOWDA	0	0	0	10	17	20	10	10		20	3	10
2	1GV19EE002	AFREED KHAN A	20	20	10	10	20	20	10	10		20		10
3	1GV19EE003	DINESH C	20	18	10	10	20	20	10	10	20	20	10	10
4	1GV19EE004	FIROSE PASHA R	20	20	10	10	19	20	9	10		18	3	10
5	1GV19EE005	G YASHWANTHKUM	20	18	10	10	20	20	0	10		11		10
6	1GV19EE006	HARITHA S	20	20	9	10	18	20	10	10	20	20	10	10
7	1GV19EE007	MONAL YADAV A	20	20	10	10	19	20	10	10	20	20	2	10
8	1GV19EE008	RASWANTH DK	2			10				10				10
9	1GV19EE009	SANGEETHA K R	20	20	10	10	20	20	10	10	10	20	10	10
10	1GV19EE010	SHAMSEENA	20	18	10	10	19	20	10	10	20	20	10	10
11	1GV19EE011	SHIVA KUMAR K	18	18	10	10	20	20	10	10	20	20	10	10
12	1GV19EE012	SHREYA YADAV M S	20	20	10	10	20	20	10	10	20	20		10
13	1GV19EE013	SREEJA J S	0	0	0	10	10	20	10	10		2	3	10
14	1GV19EE016	VYSHNAVI K	20	20	10	10	20	20	10	10	20	20	5	10
15	1GV20EE400	lavanya	20	18	10	10	20	20	10	10	20	10	10	10
16														

Attainment of CO's												
CO1		CO2		CO3		CO4		CO5		CO6		
M	%	M	%	M	%	M	%	M	%	M	%	
3	6	3	###	41	72	0	0	18	45	0	###	
43	77	3	###	43	77	0	0	16	40	0	###	
42	74	3	###	43	77	16	100	24	59	0	###	
43	77	3	###	42	74	0	0	17	41	0	###	
42	74	3	###	35	62	0	0	9	22	0	###	
43	75	3	###	42	74	16	100	24	59	0	###	
43	77	3	###	43	75	16	100	18	43	0	###	
5	9	3	###	3	6	0	0	0	0	0	###	
43	77	3	###	43	77	8	50	24	59	0	###	
42	74	3	###	43	75	16	100	24	59	0	###	
40	71	3	###	43	77	16	100	24	59	0	###	
43	77	3	###	43	77	16	100	16	40	0	###	
3	6	3	###	35	62	0	0	4	10	0	###	
43	77	3	###	43	77	16	100	20	49	0	###	
42	74	3	###	43	77	16	100	16	40	0	###	
0	0	0	###	0	0	0	0	0	0	0	###	
CO1	12	CO2	0	CO3	14	CO4	9	CO5	5	CO6	0	

VTU	
All CO	
M	%
34	68
38	76
39	77
36	72
30	60
41	82
34	68
18	36
39	77
42	84
34	67
35	70
23	46
36	72
34	68
	0
VTU	13

TARGET is 50% marks
Attainment level 1: 40% students scoring more than 50% marks
Attainment level 2: 45% students scoring more than 50% marks
Attainment level 3: 50% students scoring more than 50% marks

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For Internal Assessment)						
CO'S	CO1	CO2	CO3	CO4	CO5	CO6
Number of Students Scored above 50% of Marks	12	0	14	9	5	0
Number of Students attempted the test	15	15	15	15	15	15
% OF STUDENTS	80.00		93.33	60.00	33.33	
Attainment Level	3		3	3	0	

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For University Examination)	
Number of Students Scored above 50% of Marks	13
Number of Students attempted the Examination	15
% OF STUDENTS	86.66666667
Attainment Level	3

Calculation for CO attainment by direct assessment (40% weightage for IA & 60% SEE marks)	Attainment
CO1	**0.84**
CO2	
CO3	**0.89**
CO4	**0.76**
CO5	**0.65**
CO6	

CO attainment using Course survey	
CO1	0.95
CO2	0.91
CO3	0.96
CO4	0.94
CO5	0.96
CO6	

Overall CO attainment	
CO1	0.862
CO2	
CO3	0.907
CO4	0.796
CO5	0.715
CO6	

PO MAPPING

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	3										
CO2	3	3										
CO3	3	3										
CO4	3	3										
CO5	3	3										
CO6												
Total	15	15	0	0	0	0	0	0	0	0	0	0
PO AVERAGE	3.00	3.00										

PSO MAPPING

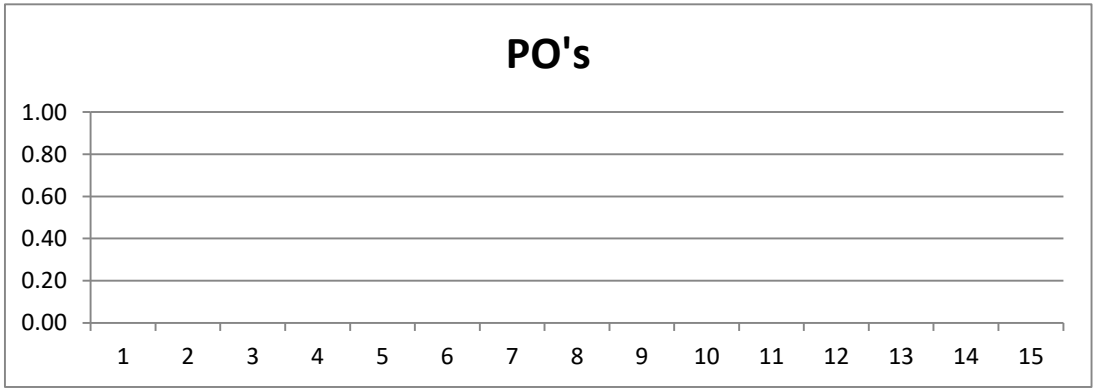
CO'S	1	2	3
CO1	3		3
CO2	3		2
CO3	3		3
CO4	3		2
CO5	3		3
CO6			
Total	15	0	13
PSO AVERAGE	3.00		2.60

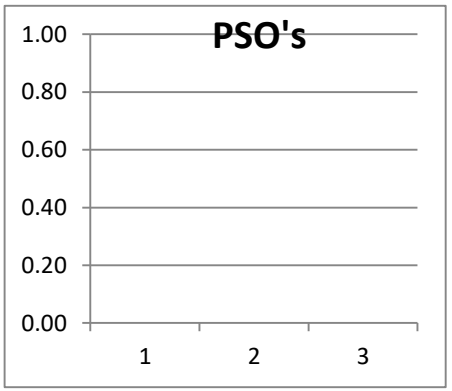
ATTAINMENT

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2.59	2.59										
CO2	####	####										
CO3	2.72	2.72										
CO4	2.39	2.39										
CO5	2.14	2.14										
CO6												
PO AVERAGE	####	####										

ATTAINMENT

CO'S	1	2	3
CO1	2.59		2.59
CO2	####		####
CO3	2.72		2.72
CO4	2.39		1.59
CO5	2.14		2.14
CO6			
PSO AVERAGE	####		####





Prepared by
Dr. P D Sudersanan, Dr.TTIT, K.G.F.

Dr.T.Thimmaiah Institute of Technology
Oorgaum, K.G.F-563120

SEM	**3**
Subject	**Digital System Design**
Batch	**2019**

Name of the faculty	**Dr.N.Lakshmipathy**
Subject code:	**18EE35**
Total Students	**15**

CO'S	Description
CO1	Develop simplified switching equation using Karnaugh Maps and Quine McClusky techniques
CO2	Design Multiplexer, Encoder, Decoder, Adder, Subtractors and Comparator as digital combinational control circuits
CO3	Design flip flops, counters, shift registers as sequential control circuits
CO4	Develop Mealy/Moore Models and state diagrams for the given clocked sequential circuits
CO5	Explain the functioning of Read only and Read/Write Memories, Programmable ROM, EPROM and Flash memory
CO6	

Grading Scale	Level
Score < 40	0
Score 40 to 45	1
Score 45 to 50	2
Score > 50	3

Target Percentage	**50**

CO's	T1	T2	T3	A	T	Q	Total Marks	External Marks
CO1	40					10	34	60
CO2	10	20			10		28	
CO3		30	10				24	
CO4			40				24	
CO5				10			10	
CO6							0	

Sl No	USN	Students Name	CO Marks in Tests											
			Test 1			A	Test 2			T	Test 3			Q
			CO1	CO1	CO2	CO1	CO2	CO3	CO3	CO2	CO4	CO4	CO3	CO5
1	1GV19EE00	ADARSH S GOWDA	6	7	10	10	10	7	5	10	10	10	10	10
2	1GV19EE00	AFREED KHAN A	6	10	10	10	9	10	9	10	10	10	10	10
3	1GV19EE00	DINESH C	10	10	10	10	10	10	10	10	10	10	10	10
4	1GV19EE00	FIROSE PASHA R	6	5	10	10	8		8	10	10	10	1	10
5	1GV19EE00	G YASHWANTHKUM	4		5	10	10	5		10	6	4	5	10
6	1GV19EE00	HARITHA S	8	9	5	10	10		10	10	10	10	5	10
7	1GV19EE00	MONAL YADAV A	8	10	10	10	7	7	6	10	10	10	5	10
8	1GV19EE00	RASWANTH DK	5	5	5	10	8	5	5	10	5	10		10
9	1GV19EE00	SANGEETHA K R	5	5	5	10	6	3	7	10	5	10	7	10
10	1GV19EE01	SHAMSEENA	8	10	5	10	7	6	8	10	10	10	5	10
11	1GV19EE01	SHIVA KUMAR K	5	5	5	10	5	4	5	10	5	5	5	10
12	1GV19EE01	SHREYA YADAV M S	10	5	8	10	10	8	10	10	10	10	10	10
13	1GV19EE01	SREEJA J S	10	6	10	10	9	2	9	10	10	10	10	10
14	1GV19EE01	VYSHNAVI K	10	5	8	10	10	5	10	10	10	10	5	10
15	Dip	LAVANYA	5	5	5	10	5	9	4	10	10	10		10

Attainment of CO's												VTU	
CO1		CO2		CO3		CO4		CO5		CO6		All CO	
M	%	M	%	M	%	M	%	M	%	M	%	M	%
18	52	22	79	13	55	12	50	10	100	0	###	29	48
20	58	21	76	17	73	12	50	10	100	0	###	36	60
22	65	22	79	18	75	12	50	10	100	0	###	53	88
17	49	21	74	5	23	12	50	10	100	0	###	28	47
12	36	19	68	6	25	6	25	10	100	0	###	26	43
20	59	19	68	9	38	12	50	10	100	0	###	32	53
21	61	20	72	11	45	12	50	10	100	0	###	37	62
16	47	18	64	6	25	9	38	10	100	0	###	30	50
16	47	17	59	10	43	9	38	10	100	0	###	38	63
21	61	17	61	11	48	12	50	10	100	0	###	27	45
16	47	16	57	8	35	6	25	10	100	0	###	14	23
19	56	21	74	17	70	12	50	10	100	0	###	39	65
20	58	21	76	13	53	12	50	10	100	0	###	41	68
19	56	21	74	12	50	12	50	10	100	0	###	35	58
16	47	16	57	8	33	12	50	10	100	0	###	50	83
CO1	9	CO2	15	CO3	6	CO4	11	CO5	15	CO6	0	VTU	10

TARGET is 50% marks
Attainment level 1: 40% students scoring more than 50% marks
Attainment level 2: 45% students scoring more than 50% marks
Attainment level 3: 50% students scoring more than 50% marks

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For Internal Assessment)						
CO'S	CO1	CO2	CO3	CO4	CO5	CO6
Number of Students Scored above 50% of Marks	9	15	6	11	15	0
Number of Students attempted the test	15	15	15	15	15	15
% OF STUDENTS	60.00	100.00	40.00	73.33	100.00	
Attainment Level	3	3	1	3	3	

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For University Examination)	
Number of Students Scored above 50% of Marks	10
Number of Students attempted the Examination	15
% OF STUDENTS	66.66666667
Attainment Level	3

Calculation for CO attainment by direct assessment (40% weightage for IA & 60% SEE marks)	Attainment
CO1	**0.64**
CO2	**0.80**
CO3	**0.56**
CO4	**0.69**
CO5	**0.80**
CO6	

CO attainment using Course survey	
CO1	0.98
CO2	0.95
CO3	0.94
CO4	0.85
CO5	0.8
CO6	

Overall CO attainment (80% weightage for direct & 20% for indirect attainment)	
CO1	0.708
CO2	0.830
CO3	0.636
CO4	0.725
CO5	0.800
CO6	

PO MAPPING

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	3	3									3
CO2	3	3	3									3
CO3	3	3	3									3
CO4	3	3	3									3
CO5	3	3	3									2
CO6												
Total	15	15	15	0	0	0	0	0	0	0	0	14
PO AVERAGE	3.00	3.00	3.00									2.80

PSO MAPPING

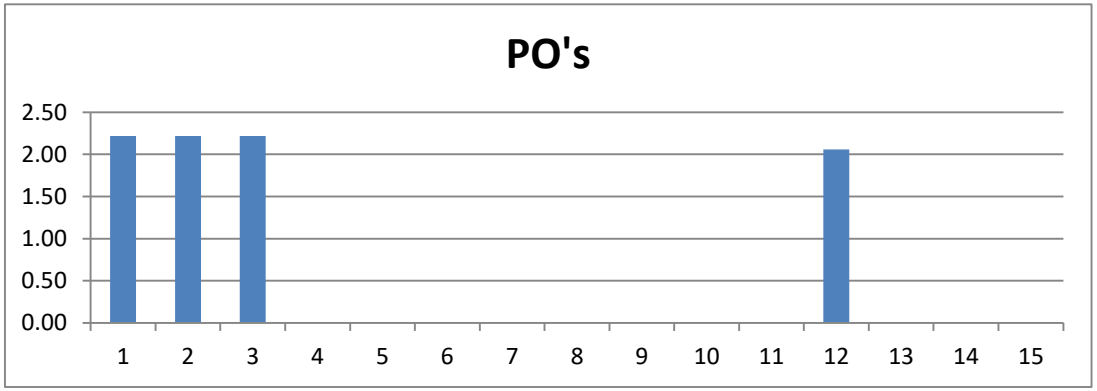
CO'S	1	2	3
CO1	3		2
CO2	3		2
CO3	3		2
CO4	3		2
CO5	3		2
CO6			
Total	15	0	10
PSO AVERAGE	3.00		2.00

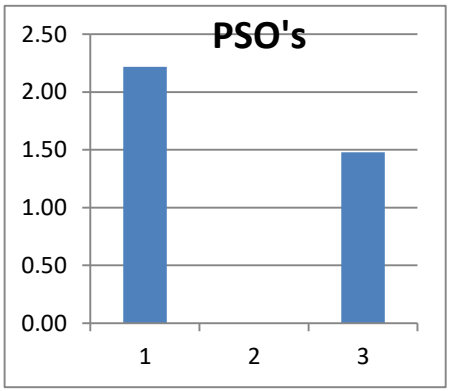
ATTAINMENT

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2.12	2.12	2.12									2.12
CO2	2.49	2.49	2.49									2.49
CO3	1.91	1.91	1.91									1.91
CO4	2.17	2.17	2.17									2.17
CO5	2.40	2.40	2.40									1.60
CO6												
PO AVERAGE	2.22	2.22	2.22									2.06

ATTAINMENT

CO'S	1	2	3
CO1	2.12		1.42
CO2	2.49		1.66
CO3	1.91		1.27
CO4	2.17		1.45
CO5	2.40		1.60
CO6			
PSO AVERAGE	2.22		1.48





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Dr.T.Thimmaiah Institute of Technology
Oorgaum, K.G.F-563120

SEM	**7**
Subject	**PSA2**
Batch	**2017**

Name of the faculty	**B.SOMASHEKAR**
Subject code:	**17EE71**
Total Students	**26**

CO'S	Description
CO1	Formulate network matrices and models for solving load flow problems
CO2	Perform steady state power flow analysis of power systems using numerical iterative techniques.
CO3	Understanding of optimal operation of generators on a bus bar, optimal unit commitment.
CO4	Discuss optimal scheduling for hydro thermal system and power system security.
CO5	Analysis short circuit faults in power system networks using bus impedance matrix & to perform numerical solution of swing equation for multi machine stability
CO6	

Grading Scale	Level
Score < 40	0
Score 40 to 45	1
Score 45 to 50	2
Score > 50	3

Target Percentage	**50**

CO's	T1	T2	T3	A	T	Q	Total Marks	External Marks
CO1	20			10			30	60
CO2	10	10					20	
CO3		20			10		30	
CO4			20				20	
CO5			10			10	20	
CO6							0	

Sl No	USN	Students Name	CO Marks in Tests											
			Test 1			A	Test 2			T	Test 3			Q
			CO1	CO1	CO2	CO1	CO3	CO3	CO2	CO2	CO4	CO4	CO5	CO5
1	1GV17EE001	AISHWARYA M	10	10	10	10	10	9	10	10	10	6	10	10
2	1GV17EE002	ANUPALLAVI L	10	10	10	10	10	10	10	10	10	6	10	10
3	1GV17EE003	BHAVANI S	10	10	10	10	10	10	10	10	10	10	10	10
4	1GV17EE004	C NISHAN	9	10	9	10	10	10	10	10	10	5	10	10
5	1GV17EE005	FLORENCE V	10	10	10	10	10	10	10	10	10	10	10	10
6	1GV17EE006	KAVYA B	10	10	10	10	10	10	10	10	10	10	10	10
7	1GV17EE007	KEERTHISHREE N	10	10	10	10	10	10	10	10	6	5	10	10
8	1GV17EE008	KISHORE KUMAR N	10	10	10	10	10	10	10	10	10	10	10	10
9	1GV17EE009	KRUTHIK NL	10	10	10	10	10	10	10	0	10	10	10	10
10	1GV17EE010	MISBA FATHIMA	10	10	10	10	10	10	10	10	10	8	10	10
11	1GV17EE011	POOJA SHREE B	9	9	9	10	10	10	10	10	5	6	10	10
12	1GV17EE012	PRAVEEN REDDY N	10	10	10	10	10	10	10	10	10	10	10	10
13	1GV17EE013	PREETHI SREE M	10	10	10	10	10	10	10	10	10	10	10	10
14	1GV17EE014	RAJENDRA PRASAD M	10	10	10	10	10	10	10	10	5	5	10	10
15	1GV17EE015	S SHAMINI	10	10	10	10	10	10	10	10	10	5	10	10
16	1GV17EE016	SHUBHAM PRAKASH S	0	0	0	0	10	10	6	10	10	6	10	10
17	1GV17EE017	SINDHU BM	10	10	10	10	10	10	10	10	6	10	10	10
18	1GV17EE018	SRINIVAS A	10	8	9	10	10	10	2	9	5	5	10	10
19	1GV16EE006	GIRIJA G	10	10	10	10	10	10	10	10	10	7	10	10
20	1GV16EE020	VEENA PARAMAESHW	10	10	10	10	10	10	10	10	6	6	0	10
21	1GV18EE400	ARUN KUMAR.R	10	9	9	10	9	10	6	10	9	0	3	10
22	1GV18EE403	SUNDERESHA	10	8	8	10	10	7	10	0				10
23	1GV15EE004	ASAM FIRDOUS.S	10	10	9	10	10	10	8	0	10	0	6	10
24	1GV14EE001	AJAY SALAUNKE.R	10	10	9	10	10	10	10	10	10	4	0	10
25	1GV16EE005	GAGANDEEP .R.NAIK	10	9	8	10	9	10	10	10	8	6	2	10
26		MATHEW	9	9	9	10				0	9	5	3	10

Attainment of CO's												
CO1		CO2		CO3		CO4		CO5		CO6		
M	%	M	%	M	%	M	%	M	%	M	%	
30	100	30	150	19	63	16	80	20	100	0	###	
30	100	30	150	20	67	16	80	20	100	0	###	
30	100	30	150	20	67	20	100	20	100	0	###	
29	97	29	145	20	67	15	75	20	100	0	###	
30	100	30	150	20	67	20	100	20	100	0	###	
30	100	30	150	20	67	20	100	20	100	0	###	
30	100	30	150	20	67	11	55	20	100	0	###	
30	100	30	150	20	67	20	100	20	100	0	###	
30	100	20	100	20	67	20	100	20	100	0	###	
30	100	30	150	20	67	18	90	20	100	0	###	
28	93	29	145	20	67	11	55	20	100	0	###	
30	100	30	150	20	67	20	100	20	100	0	###	
30	100	30	150	20	67	20	100	20	100	0	###	
30	100	30	150	20	67	10	50	20	100	0	###	
30	100	30	150	20	67	15	75	20	100	0	###	
0	0	16	80	20	67	16	80	20	100	0	###	
30	100	30	150	20	67	16	80	20	100	0	###	
28	93	20	100	20	67	10	50	20	100	0	###	
30	100	30	150	20	67	17	85	20	100	0	###	
30	100	30	150	20	67	12	60	10	50	0	###	
29	97	25	125	19	63	9	45	13	65	0	###	
28	93	18	90	17	57	0	0	10	50	0	###	
30	100	17	85	20	67	10	50	16	80	0	###	
30	100	29	145	20	67	14	70	10	50	0	###	
29	97	28	140	19	63	14	70	12	60	0	###	
28	93	9	45	0	0	14	70	13	65	0	###	
CO1	25	CO2	25	CO3	25	CO4	24	CO5	26	CO6	0	

VTU	
All CO	
M	%
30	50
33	55
28	47
35	58
26	43
35	58
30	50
37	62
36	60
25	42
34	57
25	42
33	55
36	60
29	48
30	50
29	48
9	15
21	35
24	40
27	45
46	77
41	68
36	60
22	37
59	98
VTU	15

TARGET is 50% marks
Attainment level 1: 40% students scoring more than 50% marks
Attainment level 2: 45% students scoring more than 50% marks
Attainment level 3: 50% students scoring more than 50% marks

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For Internal Assessment)						
CO'S	CO1	CO2	CO3	CO4	CO5	CO6
Number of Students Scored above 50% of Marks	25	25	25	24	26	0
Number of Students attempted the test	26	26	26	26	26	26
% OF STUDENTS	96.15	96.15	96.15	92.31	100.00	
Attainment Level	3	3	3	3	3	

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For University Examination)	
Number of Students Scored above 50% of Marks	15
Number of Students attempted the Examination	26
% OF STUDENTS	57.69230769
Attainment Level	3

Calculation for CO attainment by direct assessment (40% weightage for IA & 60% SEE marks)	Attainment
CO1	**0.73**
CO2	**0.73**
CO3	**0.73**
CO4	**0.72**
CO5	**0.75**
CO6	

CO attainment using Course survey	
CO1	0.98
CO2	0.9
CO3	0.85
CO4	0.92
CO5	0.88
CO6	

Overall CO attainment	
CO1	0.781
CO2	0.765
CO3	0.755
CO4	0.756
CO5	0.773
CO6	

PO MAPPING

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	3	3									
CO2	3	3	3									
CO3	3	2	2									
CO4	3	2	2									
CO5	3	3	3									
CO6												
Total	15	13	13	0	0	0	0	0	0	0	0	0
PO AVERAGE	3.00	2.60	2.60									

PSO MAPPING

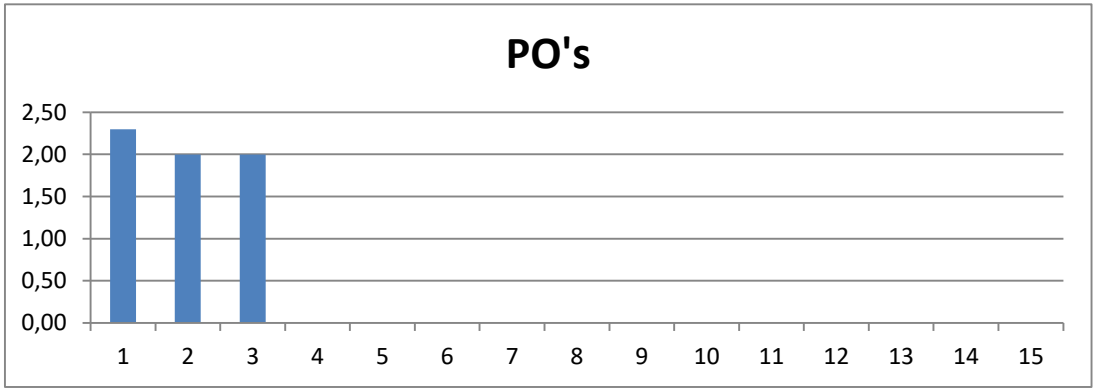
CO'S	1	2	3
CO1	3		3
CO2	3		3
CO3	3		2
CO4	3		2
CO5	3		3
CO6			
Total	15	0	13
PSO AVERAGE	3.00		2.60

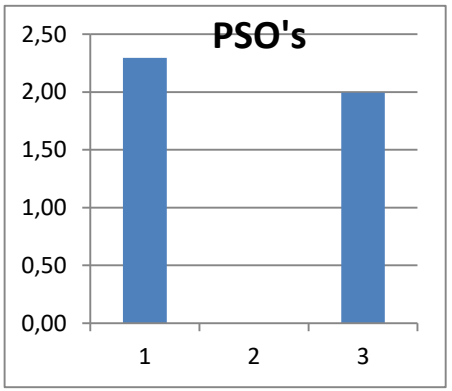
ATTAINMENT

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2.34	2.34	2.34									
CO2	2.29	2.29	2.29									
CO3	2.26	1.51	1.51									
CO4	2.27	1.51	1.51									
CO5	2.32	2.32	2.32									
CO6												
PO AVERAGE	2.30	2.00	2.00									

ATTAINMENT

CO'S	1	2	3
CO1	2.34		2.34
CO2	2.29		2.29
CO3	2.26		1.51
CO4	2.27		1.51
CO5	2.32		2.32
CO6			
PSO AVERAGE	2.30		2.00





Prepared by
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