CO ATTAINMENT FOR COURSES (2016- 20)
DEPARTMENT OF BIOTECHNOLOGY

SEM	COURSE code	COURSE NAME	DIRECT METHOD		INDIRECT METHOD (EOC)		
			CO	CO	CO attainment	CO	CO (100%)
I	HS8151	Technical	2.89	77.07	94.20	18.84	95.91
	MA6151		2.87	76.53	94.80	18.96	95.49
	HS8152	PH6151	2.89	77.07	93.80	18.76	95.83
		Engineering	2.76	73.60	93.60	18.72	92.32
		Computer	2.67	71.20	94.60	18.92	90.12
		Engineering	2.45	65.33	92.20	18.44	83.77
II	HS6251	Technical English – II	2.69	71.73	93.33	18.67	90.40
	MA6251	Mathematics – II	2.86	76.27	94	18.80	95.07
	PH6252	Physics of Materials	2.61	69.60	93.66	18.73	88.33
	CY6252	Chemistry for Technologists	2.56	68.27	94.3	18.86	87.13
	BT6201	Biochemistry	2.62	69.87	94	18.80	88.67
	BT6202	Microbiology	2.59	69.07	94	18.80	87.87
III	MA6351	and Differential	2.4	64.00	92	18.40	82.40
	BT6301	Stoichiometry and Fluid Mechanics	2.32	61.87	93.1	18.62	80.49
	BT6302	Bioorganic Chemistry	2.4	64.00	94.8	18.96	82.96
	BT6303	Cell Biology	2.34	62.40	94.5	18.90	81.30
	BT6304	Industrial Biotechnolog	2.76	73.60	93	18.60	92.20
	GE6351	al Science And	2.23	59.47	94.3	18.86	78.33
IV	MA6468	Probability and Statistics	2.48	66.13	95	19.00	85.13
	BT6401	Methods and Instrumentati	2.5	66.67	95	19.00	85.67
	BT6402	Thermodynamics for Biotechnolog	2.34	62.40	93	18.60	81.00
	BT6403	Heat Transfer Operations	2.35	62.67	93.6	18.72	81.39
	BT6404	Technology and Biotransform	2.5	66.67	94.8	18.96	85.63
	BT6405	Bioprocess Principles	2.51	66.93	93.5	18.70	85.63
V	BT6501	Structure Function and	2.33	62.13	94	18.80	80.93
	BT6502	Bioprocess Engineering	1.98	52.80	94.4	18.88	71.68
	BT6503	Mass Transfer Operation	2.1	56.00	95	19.00	75.00
	BT6504	Molecular Biology	2.4	64.00	94.6	18.92	82.92
	BT 6006	Biopharmaceutical	2.3	61.33	94.8	18.96	80.29
	BT 6003	Principles of food processing	2.28	60.80	94.6	18.92	79.72
VI	BT6601	Management for Biotechnolog	2.34	62.40	94.8	18.96	81.36
	BT6602	Immunology	2.3	61.33	95	19.00	80.33
	BT6603	Engineering and	1.99	53.07	93	18.60	71.67

VI	BT6604	Chemical Reaction Engineering	2.38	63.47	94.8	18.96	82.43
	BT 6007	Animal Biotechnology	2.31	61.60	94	18.80	80.40
	BT 6010	Plant Biotechnology	2.1	56.00	94.6	18.92	74.92
VII	BT6701	cs and Computation	2.5	66.67	94.3	18.86	85.53
	BT6702	Downstream processing	2.36	62.93	94.6	18.92	81.85
	BT6703	Innovation and New Product	2.5	66.67	93.6	18.72	85.39
	BT 6014	Bioindustrial Entreprenurship	2.56	68.3	93.4	18.68	86.95
	BT 6017	Tissue Engineering	2.58	68.8	94	18.80	87.60
VII	BT 6811	Project work	2.88	76.8	95.8	19.16	95.96

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CO ATTAINMENT FOR COURSES (2015- 19)

CO ATTAINMENT FOR COURSES (2015- 19)

DEPARTMENT OF BIOTECHNOLOGY

SEM	COURSE code	COURSE NAME	DIRECT		INDIRECT METHOD (EOC)		
			CO attainment level	CO (80%)	CO attainment percent	CO (20%)	CO (100%)
I	HS8151	Technical English – I	2.56	7.59	94	18.8	26.39
		MA6151 Mathematics – I	2.76	8.18	93.6	18.72	26.9
	HS8152	PH6151 Engineering Physics – I	2.43	7.2	93	18.6	25.8
		Engineering Chemistry –I	2.57	7.61	95	19	26.61
		Computer Programming	2.76	8.18	93.6	18.72	26.9
		Engineering Graphics	2.19	6.49	74	14.8	21.29
II	HS6251	Technical English – II	2.69	71.73	93.33	18.67	90.4
	MA6251	Mathematics – II	2.86	76.27	94	18.8	95.07
	PH6252	Physics of Materials	2.61	69.6	93.66	18.73	88.33
	CY6252	Chemistry for Technologists	2.56	68.27	94.3	18.86	87.13
	BT6201	Biochemistry	2.62	69.87	94	18.8	88.67
	BT6202	Microbiology	2.59	69.07	94	18.8	87.87
	MA6351	Transforms and Differential Equation	2.4	64	92	18.4	82.4
	BT6301	Stoichiometry and Fluid Mechanics	2.32	61.87	93.1	18.62	80.49

III	BT6302	Bioorganic Chemistry	2.4	64	94.8	18.96	82.96
	BT6303	Cell Biology	2.34	62.4	94.5	18.9	81.3
	BT6304	Basic Industrial Biotechnology	2.76	73.6	93	18.6	92.2
	GE6351	Environmental Science And Engineering	2.23	59.47	94.3	18.86	78.33
IV	MA6468	Probability and Statistics	2.48	66.13	95	19	85.13
	BT6401	Analytical Methods and Instrumentation	2.5	66.67	95	19	85.67
	BT6402	Applied Thermodynamics for Biotechnologists	2.34	62.4	93	18.6	81
	BT6403	Heat Transfer Operations	2.35	62.67	93.6	18.72	81.39
	BT6404	Enzyme Technology and Biotransformation	2.5	66.67	94.8	18.96	85.63
	BT6405	Bioprocess Principles	2.51	66.93	93.5	18.7	85.63
V	BT6501	Protein Structure Function and Proteomics	2.33	62.13	94	18.8	80.93
	BT6502	Bioprocess Engineering	1.98	52.8	94.4	18.88	71.68
	BT6503	Mass Transfer Operation	2.1	56	95	19	75
	BT6504	Molecular Biology	2.4	64	94.6	18.92	82.92
	BT 6006	Biopharmaceutical Technology	2.3	61.33	94.8	18.96	80.29

		cal Technology					
	BT 6003	Principles of food processing	2.28	60.8	94.6	18.92	79.72
VI	BT6601	Total Quality Management for Biotechnologists	2.34	62.4	94.8	18.96	81.36
	BT6602	Immunology	2.3	61.33	95	19	80.33
	BT6603	Genetic Engineering and Genomics	1.99	53.07	93	18.6	71.67
	BT6604	Chemical Reaction Engineering	2.38	63.47	94.8	18.96	82.43
	BT 6007	Animal Biotechnology	2.31	61.6	94	18.8	80.4
	BT 6010	Plant Biotechnology	2.1	56	94.6	18.92	74.92
VII	BT6701	Bioinformatics and Computational Biology	2.5	66.67	94.3	18.86	85.53
	BT6702	Downstream processing	2.36	62.93	94.6	18.92	81.85
	BT6703	Creativity, Innovation and New Product Development	2.5	66.67	93.6	18.72	85.39
	BT 6014	Bioindustrial Entreprenurship	2.56	68.3	93.4	18.68	86.95
	BT 6017	Tissue Engineering	2.58	68.8	94	18.8	87.6
VII	BT 6811	Project work	2.88	76.8	95.8	19.16	95.96

Head, Department of Biotechnology
Engineering College

PRATHYUSHA ENGINEERING COLLEGE
CO ATTAINMENT FOR COURSES (2014- 18)
DEPARTMENT OF BIOTECHNOLOGY

SEM	COURSE code	COURSE NAME	DIRECT METHOD		INDIRECT METHOD (EOC)		
			CO	CO (80%)	CO attainment	CO (20%)	CO (100%)
I	HS8151	Technical English – I	2.46	65.60	13.12	15.58	81.18
	MA6151	Mathematics	2.94	78.40	15.68	18.62	97.02
	HS8152	PH6151 Engineering	2.54	67.73	13.55	16.09	83.82
	GE6151	Engineering Chemistry	2.38	63.47	12.69	15.07	78.54
	GE6152	Computer	2.64	70.40	14.08	16.72	87.12
	GE6161	Engineering Graphics	1.8	48.00	9.60	11.40	59.40
	GE6162	Computer Practices	2.98	79.47	15.89	18.87	98.34
	GE6163	Engineering Practices	2.89	77.07	15.41	18.30	95.37
		Physics and Chemistry	2.54	67.73	13.55	16.09	83.82
II	HS6251	Technical English – II	2.58	68.80	93.33	18.67	87.47
	MA6251	Mathematics – II	2.82	75.20	94	18.80	94.00
	PH6252	Physics of Materials	2.54	67.73	93.66	18.73	86.47
	CY6252	Chemistry for Technologists	2.54	67.73	94.3	18.86	86.59
	BT6201	Biochemistry	2.54	67.73	94	18.80	86.53
	BT6202	Microbiology	2.62	69.87	94	18.80	88.67
III	MA6351	Transforms and Differential Equation	2.1	56.00	92	18.40	74.40
	BT6301	Stoichiometry and Fluid Mechanics	2.33	62.13	93.1	18.62	80.75
	BT6302	Bioorganic Chemistry	2.45	65.33	94.8	18.96	84.29
	BT6303	Cell Biology	2.39	63.73	94.5	18.90	82.63
	BT6304	Basic Industrial Biotechnology	2.34	62.40	93	18.60	81.00
	GE6351	Environmental Science And Engineering	2.3	61.33	94.3	18.86	80.19
IV	MA6468	Probability and Statistics	2.23	59.47	95	19.00	78.47
	BT6401	Analytical Methods and Instrumentation	2.33	62.13	95	19.00	81.13
	BT6402	Applied Thermodynamics for Biotechnologists	2.31	61.60	93	18.60	80.20
	BT6403	Heat Transfer Operations	2.35	62.67	93.6	18.72	81.39
	BT6404	Enzyme Technology and Biotransformation	2.53	67.47	94.8	18.96	86.43
	BT6405	Bioprocess Principles	2.33	62.13	93.5	18.70	80.83
V	BT6501	Protein Structure Function and Proteomics	2.7	72.00	94	18.80	90.80
	BT6502	Bioprocess Engineering	2.22	59.20	94.4	18.88	78.08
	BT6503	Mass Transfer Operation	2.25	60.00	95	19.00	79.00
	BT6504	Molecular Biology	2.34	62.40	94.6	18.92	81.32
	BT 6006	Biopharmaceutical Technology	2.32	61.87	94.8	18.96	80.83
	BT 6003	Principles of food processing	2.28	60.80	94.6	18.92	79.72
	BT6601	Total Quality Management for Biotechnologists	2.39	63.73	94.8	18.96	82.69
	BT6602	Immunology	2.26	60.27	95	19.00	79.27
	BT6603	Genetic Engineering and Genomics	2.19	58.40	93	18.60	77.00

VI	BT6604	Chemical Reaction Engineering	2.38	63.47	94.8	18.96	82.43
	BT 6007	Animal Biotechnology	2.31	61.60	94	18.80	80.40
	BT 6010	Plant Biotechnology	2.1	56.00	94.6	18.92	74.92
VII	BT6701	Bioinformatics and Computational Biology	2.09	55.73	94.3	18.86	74.59
	BT6702	Downstream processing	2.12	56.53	94.6	18.92	75.45
	BT6703	Creativity, Innovation and New Product Development	2.44	65.07	93.6	18.72	83.79
	BT 6014	Bioindustrial Entreprenurship	2.19	58.4	93.4	18.68	77.08
	BT 6017	Tissue Engineering	2.69	71.7	94	18.80	90.53
VII	BT 6811	Project work	2.8	74.7	95.8	19.16	93.83

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PRATHYUSHA ENGINEERING COLLEGE
CO ATTAINMENT FOR COURSES (2013- 17)
DEPARTMENT OF BIOTECHNOLOGY

SEM	COURSE code	COURSE NAME	DIRECT		INDIRECT		
			CO	CO	CO	CO	CO
I	HS8151	Technical English – I	2.46	65.60	94.20	18.84	84.44
	MA6151		2.94	78.40	94.80	18.96	97.36
	HS8152	PH6151 Engineering	2.54	67.73	93.80	18.76	86.49
	GE6151	Engineering	2.38	63.47	93.60	18.72	82.19
	GE6152	Computer	2.64	70.40	94.60	18.92	89.32
	GE6161	Engineering Graphics	1.8	48.00	92.20	18.44	66.44
	GE6162	Computer Practices	2.98	79.47	93.20	18.64	98.11
	GE6163	Engineering Practices	2.89	77.07	89.90	17.98	95.05
		Physics and Chemistry	2.54	67.73	93.00	18.60	86.33
II	HS6251	Technical English – II	2.58	68.80	94	18.80	87.60
	MA6251	Mathematics – II	2.82	75.20	94.8	18.96	94.16
	PH6252	Physics of Materials	2.54	67.73	94.7	18.94	86.67
	CY6252	Chemistry for Technologists	2.54	67.73	94.8	18.96	86.69
	BT6201	Biochemistry	2.54	67.73	95.3	19.06	86.79
	BT6202	Microbiology	2.62	69.87	93.7	18.74	88.61
III	MA6351	Transforms and Differential Equation	2.08	55.47	93	18.60	74.07
	BT6301	Stoichiometry and Fluid Mechanics	2.43	64.80	95.3	19.06	83.86
	BT6302	Bioorganic Chemistry	2.37	63.20	93.7	18.74	81.94
	BT6303	Cell Biology	2.4	64.00	95	19.00	83.00
	BT6304	Basic Industrial Biotechnology	2.36	62.93	94.7	18.94	81.87
	GE6351	Environmental Science And Engineering	2.1	56.00	95	19.00	75.00
IV	MA6468	Probability and Statistics	2.48	66.13	95	19.00	85.13
	BT6401	Analytical Methods and Instrumentation	2.54	67.73	95	19.00	86.73
	BT6402	Applied Thermodynamics for Biotechnologists	2.33	62.13	94	18.80	80.93
	BT6403	Heat Transfer Operations	2.22	59.20	95	19.00	78.20
	BT6404	Enzyme Technology and Biotransformation	2.4	64.00	94.8	18.96	82.96
	BT6405	Bioprocess Principles	2.32	61.87	94.5	18.90	80.77
	BT6501	Protein Structure Function and Proteomics	2.7	72.00	94.8	18.96	90.96

V	BT6502	Bioprocess Engineering	2.12	56.53	95.3	19.06	75.59
	BT6503	Mass Transfer Operation	2.25	60.00	95.8	19.16	79.16
	BT6504	Molecular Biology	2.3	61.33	94	18.80	80.13
	BT 6006	Biopharmaceutical Technology	2.38	63.47	95	19.00	82.47
	BT 6003	Principles of food processing	2.31	61.60	93.7	18.74	80.34
VI	BT6601	Total Quality Management for Biotechnologists	2.19	58.40	95	19.00	77.40
	BT6602	Immunology	2.25	60.00	95	19.00	79.00
	BT6603	Genetic Engineering and Genomics	2.19	58.40	94.5	18.90	77.30
	BT6604	Chemical Reaction Engineering	2.38	63.47	94.6	18.92	82.39
	BT 6007	Animal Biotechnology	2.32	61.87	94	18.80	80.67
	BT 6010	Plant Biotechnology	2.13	56.80	95	19.00	75.80
VII	BT6701	Bioinformatics and Computational Biology	2.09	55.73	95	19.00	74.73
	BT6702	Downstream processing	2.12	56.53	94.5	18.90	75.43
	BT6703	Creativity, Innovation and New Product Development	2.448	65.28	93.2	18.64	83.92
	BT 6014	Bioindustrial Entreprenurship	2.19	58.4	94.5	18.90	77.30
	BT 6017	Tissue Engineering	2.69	71.7	94.3	18.86	90.59
VIII	BT 6811	Project work	2.808	74.9	94.4	18.88	93.76

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PRATHYUSHA ENGINEERING COLLEGE

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
COURSE ATTAINMENT 2013-2017

SEM	COURSE NAME	CO'S	A SECTION				B SECTION				OVERALL CO ATTAINMENT (%)
			DIRECT	INDIRECT	TOTAL	AVERAGE	DIRECT	INDIRECT	TOTAL	AVERAGE	
I	Technical English-I	CO1	2.4	2.8	2.48	2.53	3	2.94	2.99	2.63	86.08
		CO2	2.4	2.6	2.44		2.6	2.54	2.59		
		CO3	3	2	2.80		2.4	2.41	2.40		
		CO4	2.7	2.2	2.60		2.7	2.53	2.67		
		CO5	2.3	2.5	2.34		2.4	3	2.52		
	Mathematics-I	CO1	2.3	2.8	2.40	2.42	2.5	3	2.60	2.65	84.48
		CO2	2.4	2.1	2.34		2.5	3	2.60		
		CO3	2.5	2.2	2.44		2.6	2.88	2.66		
		CO4	2.4	2.44	2.41		2.8	2.88	2.82		
		CO5	2.4	2.88	2.50		2.5	2.94	2.59		
	Engineering Physics-I	CO1	2.3	3	2.44	2.38	2.3	2.76	2.39	2.68	84.31
		CO2	2.2	2.76	2.31		2.5	2.88	2.58		
		CO3	2.6	2.88	2.66		3	2.76	2.95		
		CO4	2.1	3	2.28		2.6	3	2.68		
		CO5	2	2.94	2.19		2.8	2.88	2.82		
	Engineering Chemistry-I	CO1	2.4	3	2.52	2.56	2.5	2.94	2.59	2.54	85.00
		CO2	2.5	3	2.60		2.3	2.76	2.39		
		CO3	2.6	3	2.68		2.5	2.88	2.58		
		CO4	2.5	2.94	2.59		3	2.76	2.95		
		CO5	2.3	2.88	2.42		2	2.94	2.19		
	Fundamentals of computing and programming	CO1	2.4	2.76	2.47	2.43	2.4	3	2.52	2.41	80.73
		CO2	2.3	3	2.44		2.5	3	2.60		
		CO3	2.2	2.76	2.31		2.3	2.88	2.42		
		CO4	2.6	2.88	2.66		2.1	2.94	2.27		
		CO5	2.1	3	2.28		2.1	2.88	2.26		
	Engineering Graphics	CO1	2	2.94	2.19	2.44	2.5	3	2.60	2.49	82.15
		CO2	2.4	3	2.52		2.3	3	2.44		
		CO3	2.5	3	2.60		2.4	2.76	2.47		
		CO4	2.3	2.88	2.42		2.4	2.88	2.50		
		CO5	2.4	2.76	2.47		2.3	3	2.44		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

II	Technical English II	CO1	2.8	2.94	2.83	2.69	2.3	2.88	2.42	2.66	89.08
		CO2	3	2.88	2.98		3	2.76	2.95		
		CO3	2.2	3	2.36		2.5	3	2.60		
		CO4	2.6	2.94	2.67		2.2	2.88	2.34		
		CO5	2.5	3	2.60		3	2.94	2.99		
	Mathematics II	CO1	2.8	2.94	2.83	2.62	2.8	3	2.84	2.59	86.84
		CO2	2.5	2.88	2.58		2.3	2.88	2.42		
		CO3	2.3	3	2.44		2.5	2.94	2.59		
		CO4	2.6	3	2.68		2.4	3	2.52		
		CO5	2.5	2.94	2.59		2.5	2.88	2.58		
	Engineering Physics II	CO1	2.6	2.88	2.66	2.68	2.3	2.82	2.40	2.59	87.75
		CO2	2.4	3	2.52		2.3	3	2.44		
		CO3	2.6	2.94	2.67		2.5	3	2.60		
		CO4	3	2.82	2.96		2.6	2.88	2.66		
		CO5	2.5	2.94	2.59		2.8	2.94	2.83		
	Engineering Chemistry II	CO1	2.8	3	2.84	2.60	2.4	2.94	2.51	2.65	87.56
		CO2	2.6	2.82	2.64		2.3	2.88	2.42		
		CO3	2.4	3	2.52		2.6	3	2.68		
		CO4	2.3	2.88	2.42		3	2.88	2.98		
		CO5	2.5	2.94	2.59		2.6	3	2.68		
	Basic Electrical & Electronics Engineering	CO1	2.5	2.88	2.58	2.59	2.3	2.88	2.42	2.52	85.21
		CO2	2.4	2.94	2.51		2.5	2.76	2.55		
		CO3	2.5	2.88	2.58		2.2	2.88	2.34		
		CO4	2.7	2.82	2.72		2.5	2.82	2.56		
		CO5	2.5	2.88	2.58		2.7	2.88	2.74		
	Engineering Mechanics	CO1	2.6	3	2.68	2.58	2.4	3	2.52	2.65	87.15
		CO2	2.4	2.88	2.50		2.5	2.88	2.58		
		CO3	2.5	2.94	2.59		3	2.94	2.99		
		CO4	2.6	3	2.68		2.6	3	2.68		
		CO5	2.3	3	2.44		2.4	2.88	2.50		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Transforms And Partial Differential Equation	CO1	2.5	2.88	2.58	2.60	2.6	2.94	2.67	2.60	86.57
		CO2	2.3	3	2.44		2.4	2.94	2.51		
		CO3	2.5	2.94	2.59		2.6	3	2.68		
		CO4	3	2.88	2.98		2.4	3	2.52		
		CO5	2.3	2.88	2.42		2.5	3	2.60		
	Engineering Geology	CO1	3	2.76	2.95	2.74	2.6	2.88	2.66	2.71	90.83
		CO2	2.5	3	2.60		2.8	2.88	2.82		
		CO3	2.2	2.88	2.34		2.5	2.94	2.59		
		CO4	2.8	3	2.84		2.8	2.88	2.82		
		CO5	3	2.88	2.98		2.6	2.94	2.67		

III	Mechanics of Solids	CO1	2.6	3	2.68	2.73	2.3	2.76	2.39	2.42	85.83
		CO2	2.7	3	2.76		2.4	2.76	2.47		
		CO3	2.5	2.88	2.58		2.4	2.88	2.50		
		CO4	3	2.82	2.96		2.3	3	2.44		
		CO5	2.6	2.88	2.66		2.2	2.76	2.31		
	Mechanics of Fluids	CO1	2.6	3	2.68	2.41	2.6	2.88	2.66	2.56	82.91
		CO2	2.2	2.88	2.34		2.1	3	2.28		
		CO3	2.3	2.94	2.43		2.8	2.82	2.80		
		CO4	2.1	2.88	2.26		2.3	2.88	2.42		
		CO5	2.2	2.94	2.35		2.6	2.94	2.67		
	Surveying 1	CO1	2.4	2.88	2.50	2.62	2.6	2.88	2.66	2.48	84.96
		CO2	2.3	3	2.44		2.4	2.88	2.50		
		CO3	2.6	2.88	2.66		2.4	2.82	2.48		
		CO4	2.8	2.94	2.83		2	2.94	2.19		
		CO5	2.6	2.88	2.66		2.5	2.94	2.59		
	Environmental Science and Engineering	CO1	2.8	2.76	2.79	2.68	2.3	2.76	2.39	2.67	89.09
		CO2	2.4	3	2.52		2.6	2.94	2.67		
		CO3	2.6	2.88	2.66		2.5	2.88	2.58		
		CO4	2.6	2.94	2.67		2.8	2.94	2.83		
		CO5	2.7	3	2.76		3	2.33	2.87		
	Survey Practical 1	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Computer Aided Building Drawing	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Numerical Methods	CO1	2.5	1.56	2.31	2.46	2.6	3	2.68	2.51	82.87
		CO2	2.5	1.56	2.31		2.6	3	2.68		
		CO3	2.6	1.8	2.44		2.5	2.94	2.59		
		CO4	2.6	2.88	2.66		2.3	2.88	2.42		
		CO5	2.5	2.94	2.59		2	2.94	2.19		
	Construction Materials	CO 1	2.3	2.94	2.43	2.51	2.7	3	2.76	2.56	84.51
		CO 2	2.6	2.88	2.66		2.5	3	2.60		
		CO 3	2.4	2.88	2.50		2.3	2.94	2.43		
		CO 4	2.6	2.82	2.64		2.3	2.88	2.42		
		CO 5	2.2	2.94	2.35		2.5	2.88	2.58		
	Strength of Materials	CO1	2.6	1.5	2.38	2.56	2.6	2.88	2.66	2.62	86.36
		CO2	2.6	1.5	2.38		2.5	2.94	2.59		
		CO3	3	1.56	2.71		2.6	2.88	2.66		
		CO4	2.6	2.88	2.66		2.5	3	2.60		
		CO5	2.6	3	2.68		2.5	3	2.60		
	Applied Hydraulic Engineering	CO1	2.4	3	2.52	2.60	2.4	2.88	2.50	2.64	87.29
		CO2	2.3	3	2.44		2.8	2.94	2.83		
		CO3	3	2.88	2.98		2.8	3	2.84		
		CO4	2.3	2.82	2.40		2.4	3	2.52		
		CO5	2.6	2.94	2.67		2.4	2.88	2.50		

IV	Surveying II	CO1	2.1	2.88	2.26	2.66	2.2	3	2.36	2.43	84.89
		CO2	2.5	3	2.60		2.2	2.94	2.35		
		CO3	2.6	2.88	2.66		2.1	2.88	2.26		
		CO4	2.8	3	2.84		2.3	3	2.44		
		CO5	3	2.76	2.95		2.7	3	2.76		
	Soil Mechanics	CO1	2.3	2.88	2.42	2.50	2.6	2.94	2.67	2.56	84.28
		CO2	2.3	2.94	2.43		2.6	3	2.68		
		CO3	2.3	2.88	2.42		2.4	2.88	2.50		
		CO4	2.5	2.88	2.58		2.3	2.94	2.43		
		CO5	2.6	2.88	2.66		2.4	3	2.52		
	Strength of Materials Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Hydraulic Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Survey Practical II	CO1	3	3	3.00		3	3	3.00		
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
V	Structural Analysis I	CO1	2	2.88	2.18	2.37	2.4	2.88	2.50	2.47	80.69
		CO2	2	3	2.20		2.2	3	2.36		
		CO3	2.4	2.88	2.50		2.5	2.88	2.58		
		CO4	2.2	3	2.36		2.3	3	2.44		
		CO5	2.6	2.76	2.63		2.4	2.76	2.47		
	Foundation Engineering	CO1	2	2.88	2.18	2.45	2	2.88	2.18	2.59	83.91
		CO2	2.4	3	2.52		2.3	3	2.44		
		CO3	2.4	2.94	2.51		2.8	2.94	2.83		
		CO4	2.4	3	2.52		2.6	2.88	2.66		
		CO5	2.4	2.94	2.51		2.8	3	2.84		
	Environmental Engineering I	CO1	2.2	3	2.36	2.61	2.7	3	2.76	2.77	89.55
		CO2	2.6	2.94	2.67		2.8	2.94	2.83		
		CO3	2.5	3	2.60		2.6	3	2.68		
		CO4	2.7	2.88	2.74		2.7	2.88	2.74		
		CO5	2.6	2.94	2.67		2.8	2.94	2.83		
	Highway Engineering	CO1	2.3	2.88	2.42	2.64	2.8	3	2.84	2.72	89.36
		CO2	2.6	3	2.68		2.6	3	2.68		
		CO3	2.7	3	2.76		2.4	2.94	2.51		
		CO4	2.6	2.94	2.67		2.8	2.88	2.82		
		CO5	2.6	3	2.68		2.7	3	2.76		
	Design of Reinforced Concrete Elements	CO1	2.7	3	2.76	2.61	2.4	2.94	2.51	2.64	87.45
		CO2	2.6	2.88	2.66		2.6	2.88	2.66		
		CO3	2.5	2.94	2.59		2.7	3	2.76		
		CO4	2.6	3	2.68		2.4	3	2.52		

		CO5	2.2	3	2.36		2.7	2.94	2.75		
	Construction Techniques, Equipment and Practice	CO1	2.7	2.88	2.74	2.54	1.9	3	2.12	2.24	79.60
		CO2	2.3	3	2.44		2.1	3	2.28		
		CO3	2.4	2.94	2.51		1.9	2.88	2.10		
		CO4	2.5	2.88	2.58		2.3	2.94	2.43		
		CO5	2.3	3	2.44		2.1	2.88	2.26		
	Communication and Soft Skills-Laboratory Based	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Soil Mechanics Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Survey Camp	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
VI	Design of Reinforced Concrete & Brick Masonry Structures	CO1	2.6	2.88	2.66	2.42	2.7	2.88	2.74	2.43	80.81
		CO2	2.2	2.82	2.32		2.4	2.94	2.51		
		CO3	1.8	2.94	2.03		2.2	2.88	2.34		
		CO4	2.6	2.88	2.66		2.1	3	2.28		
		CO5	2.3	3	2.44		2.1	3	2.28		
	Structural Analysis II	CO1	2.3	3	2.44	2.54	2.7	2.88	2.74	2.56	85.01
		CO2	2.7	2.94	2.75		2.1	2.94	2.27		
		CO3	2.2	3	2.36		1.8	3	2.04		
		CO4	2.3	2.88	2.42		3	3	3.00		
		CO5	2.7	3	2.76		2.7	2.88	2.74		
	Design of Steel Structures	CO1	2.3	2.94	2.43	2.43	2.7	3	2.76	2.56	83.15
		CO2	2.4	2.88	2.50		2.1	2.94	2.27		
		CO3	2.2	2.94	2.35		1.8	2.88	2.02		
		CO4	2.2	3	2.36		3	3	3.00		
		CO5	2.4	2.94	2.51		2.7	3	2.76		
	Railways, Airports and Harbour Engineering	CO1	2.3	2.86	2.41	2.49	2.1	2.15	2.11	2.61	85.02
		CO2	2.3	3	2.44		2.4	2.11	2.34		
		CO3	2.1	2.94	2.27		3	3	3.00		
		CO4	2.6	2.88	2.66		3	2.31	2.86		
		CO5	2.6	2.88	2.66		2.7	3	2.76		
	Environmental Engineering II	CO1	2.6	2.76	2.63	2.44	2.7	2.88	2.74	2.55	83.17
		CO2	2.3	3	2.44		2.4	2.76	2.47		
		CO3	2.4	2.88	2.50		2.3	2.94	2.43		
		CO4	2.2	2.94	2.35		2.2	3	2.36		
		CO5	2.1	3	2.28		2.7	3	2.76		
	Professional Ethics	CO1	2.6	2.88	2.66	2.62	2.7	3	2.76	2.54	85.95
		CO2	2.7	2.94	2.75		2.1	3	2.28		
		CO3	2.6	3	2.68		1.8	2.82	2.00		
		CO4	2.4	2.88	2.50		3	2.7	2.94		
		CO5	2.4	3	2.52		2.7	2.7	2.70		

	Environmental Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Concrete and Highway Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Structural Dynamics and Earthquake Engineering	CO1	3	2.4	2.88	2.70	2.1	2.88	2.26	2.41	85.23
		CO2	3	2.6	2.92		2.5	2.94	2.59		
		CO3	2.4	2.8	2.48		2.4	2.88	2.50		
		CO4	2.4	2.6	2.44		2.1	2.94	2.27		
		CO5	3	2	2.80		2.3	3	2.44		
	Prestressed Concrete Structures	CO1	2.7	2.2	2.60	2.42	2.6	2.76	2.63	2.60	83.79
		CO2	2.3	2.5	2.34		2.7	2.88	2.74		
		CO3	2.3	2.8	2.40		2.5	2.82	2.56		
		CO4	2.4	2.1	2.34		2.5	2.88	2.58		
		CO5	2.5	2.2	2.44		2.4	2.94	2.51		
	Water Resources and Irrigation Engineering	CO1	2.4	2.4	2.40	2.55	2.2	2.88	2.34	2.50	84.27
		CO2	2.6	3	2.68		2.3	3	2.44		
		CO3	2.4	2.88	2.50		3	2.94	2.99		
		CO4	2.7	3	2.76		2.3	2.88	2.42		
		CO5	2.3	2.94	2.43		2.2	2.88	2.34		
	Estimation and Quantity Surveying	CO1	2.3	3	2.44	2.50	2.5	2.76	2.55	2.40	81.69
		CO2	2.4	2.94	2.51		2.4	2.94	2.51		
		CO3	2.6	3	2.68		2.4	2.88	2.50		
		CO4	2.2	2.88	2.34		2.3	3	2.44		
		CO5	2.4	3	2.52		1.8	2.94	2.03		
VII	Traffic Engineering and Management	CO1	3	3	3.00	2.58	2.7	3	2.76	2.69	87.96
		CO2	2.5	2.88	2.58		3	2.8	2.96		
		CO3	2.3	2.82	2.40		2.6	2.74	2.63		
		CO4	2.3	2.88	2.42		2.4	2.86	2.49		
		CO5	2.4	3	2.52		2.6	2.76	2.63		
	Municipal Solid Waste Management	CO1	2.3	3	2.44	2.43	3	3	3.00	2.51	82.28
		CO2	2.4	2.88	2.50		2.4	2.88	2.50		
		CO3	2.6	2.6	2.60		2.1	2.94	2.27		
		CO4	2.2	2.4	2.24		2.4	2.88	2.50		
		CO5	2.4	2.3	2.38		2.1	2.94	2.27		
	Computer Aided Design and Drafting Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Design Project	CO1	3	3	3.00		3	3	3.00		
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

VIII	Principles of Management	CO1	2.5	2.94	2.59	2.53	2.6	2.82	2.64	2.59	85.28
		CO2	2.3	3	2.44		2.7	3	2.76		
		CO3	2.3	3	2.44		2.7	2.94	2.75		
		CO4	2.4	2.94	2.51		2.3	3	2.44		
		CO5	2.6	3	2.68		2.2	2.88	2.34		
	Prefabricated Structures	CO1	2.2	2.88	2.34	2.57	2.4	3	2.52	2.56	85.39
		CO2	2.4	3	2.52		2.6	2.94	2.67		
		CO3	3	3	3.00		2.4	2.43	2.41		
		CO4	2.5	2.88	2.58		2.7	3	2.76		
		CO5	2.3	2.82	2.40		2.3	2.94	2.43		
	Repair and Rehabilitation of Structures	CO1	2.3	2.88	2.42	2.49	2.3	2.88	2.42	2.53	83.79
		CO2	2.4	3	2.52		2.4	3	2.52		
		CO3	2.3	3	2.44		2.5	2.82	2.56		
		CO4	2.4	2.88	2.50		2.6	2.94	2.67		
		CO5	2.6	2.6	2.60		2.4	2.88	2.50		
	Project Work	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

HOD/CIVIL

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
COURSE ATTAINMENT 2014-2018

SEM	COURSE NAME		A SECTION				B SECTION				OVERALL CO ATTAINMENT (%)
			DIRECT	INDIRECT	TOTAL	AVERAGE	DIRECT	INDIRECT	TOTAL	AVERAGE	
I	Technical English-I	CO1	3	2.94	2.99	2.63	2.4	2.8	2.48	2.53	86.08
		CO2	2.6	2.54	2.59		2.4	2.6	2.44		
		CO3	2.4	2.41	2.40		3	2	2.80		
		CO4	2.7	2.53	2.67		2.7	2.2	2.60		
		CO5	2.4	3	2.52		2.3	2.5	2.34		
	Mathematics-I	CO1	2.5	3	2.60	2.65	2.3	2.8	2.40	2.42	84.48
		CO2	2.5	3	2.60		2.4	2.1	2.34		
		CO3	2.6	2.88	2.66		2.5	2.2	2.44		
		CO4	2.8	2.88	2.82		2.4	2.44	2.41		
		CO5	2.8	2.94	2.59		2.4	2.88	2.50		
	Engineering Physics-I	CO1	2.3	2.76	2.39	2.68	2.3	3	2.44	2.44	85.33
		CO2	2.5	2.88	2.58		2.2	2.76	2.62		
		CO3	3	2.76	2.95		2.6	2.88	2.66		
		CO4	2.6	3	2.68		2.1	3	2.28		
		CO5	2.8	2.88	2.82		2	2.94	2.19		
	Engineering Chemistry-I	CO1	2.5	2.94	2.59	2.54	2.4	3	2.52	2.56	85.00
		CO2	2.3	2.76	2.39		2.5	3	2.60		
		CO3	2.5	2.88	2.58		2.6	3	2.68		
		CO4	3	2.76	2.95		2.5	2.94	2.59		
		CO5	2	2.94	2.19		2.3	2.88	2.42		
	Fundamentals of computing and programming	CO1	2.4	3	2.52	2.41	2.4	2.76	2.47	2.43	80.73
		CO2	2.5	3	2.60		2.3	3	2.44		
		CO3	2.3	2.88	2.42		2.2	2.76	2.31		
		CO4	2.1	2.94	2.27		2.6	2.88	2.66		
		CO5	2.1	2.88	2.26		2.1	3	2.28		
	Engineering Graphics	CO1	2.5	3	2.60	2.49	2	2.94	2.19	2.44	82.15
		CO2	2.3	3	2.44		2.4	3	2.52		
		CO3	2.4	2.76	2.47		2.5	3	2.60		
		CO4	2.4	2.88	2.50		2.3	2.88	2.42		
		CO5	2.3	3	2.44		2.4	2.76	2.47		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

II	Technical English II	CO1	2.3	2.88	2.42	2.66	2.8	2.94	2.83	2.69	89.08
		CO2	3	2.76	2.95		3	2.88	2.98		
		CO3	2.5	3	2.60		2.2	3	2.36		
		CO4	2.2	2.88	2.34		2.6	2.94	2.67		
		CO5	3	2.94	2.99		2.5	3	2.60		
	Mathematics II	CO1	2.8	3	2.84	2.59	2.8	2.94	2.83	2.62	86.84
		CO2	2.3	2.88	2.42		2.5	2.88	2.58		
		CO3	2.5	2.94	2.59		2.3	3	2.44		
		CO4	2.4	3	2.52		2.6	3	2.68		
		CO5	2.5	2.88	2.58		2.5	2.94	2.59		
	Engineering Physics II	CO1	2.3	2.82	2.40	2.59	2.6	2.88	2.66	2.68	87.75
		CO2	2.3	3	2.44		2.4	3	2.52		
		CO3	2.5	3	2.60		2.6	2.94	2.67		
		CO4	2.6	2.88	2.66		3	2.82	2.96		
		CO5	2.8	2.94	2.83		2.5	2.94	2.59		
	Engineering Chemistry II	CO1	2.4	2.94	2.51	2.65	2.8	3	2.84	2.60	87.56
		CO2	2.3	2.88	2.42		2.6	2.82	2.64		
		CO3	2.6	3	2.68		2.4	3	2.52		
		CO4	3	2.88	2.98		2.3	2.88	2.42		
		CO5	2.6	3	2.68		2.5	2.94	2.59		
	Basic Electrical & Electronics Engineering	CO1	2.3	2.88	2.42	2.52	2.5	2.88	2.58	2.59	85.21
		CO2	2.5	2.76	2.55		2.4	2.94	2.51		
		CO3	2.2	2.88	2.34		2.5	2.88	2.58		
		CO4	2.5	2.82	2.56		2.7	2.82	2.72		
		CO5	2.7	2.88	2.74		2.5	2.88	2.58		
	Engineering Mechanics	CO1	2.4	3	2.52	2.65	2.6	3	2.68	2.58	87.15
		CO2	2.5	2.88	2.58		2.4	2.88	2.50		
		CO3	3	2.94	2.99		2.5	2.94	2.59		
		CO4	2.6	3	2.68		2.6	3	2.68		
		CO5	2.4	2.88	2.50		2.3	3	2.44		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Transforms And Partial Differential Equation	CO1	2.6	2.94	2.67	2.60	2.5	2.88	2.58	2.60	86.57
		CO2	2.4	2.94	2.51		2.3	3	2.44		
		CO3	2.6	3	2.68		2.5	2.94	2.59		
		CO4	2.4	3	2.52		3	2.88	2.98		
		CO5	2.5	3	2.60		2.3	2.88	2.42		
	Engineering Geology	CO1	2.6	2.88	2.66	2.71	3	2.76	2.95	2.74	90.83
		CO2	2.8	2.88	2.82		2.5	3	2.60		
		CO3	2.5	2.94	2.59		2.2	2.88	2.34		
		CO4	2.8	2.88	2.82		2.8	3	2.84		
		CO5	2.6	2.94	2.67		3	2.88	2.98		

III	Mechanics of Solids	CO1	2.3	2.76	2.39	2.42	2.6	3	2.68	2.73	85.83
		CO2	2.4	2.76	2.47		2.7	3	2.76		
		CO3	2.4	2.88	2.50		2.5	2.88	2.58		
		CO4	2.3	3	2.44		3	2.82	2.96		
		CO5	2.2	2.76	2.31		2.6	2.88	2.66		
	Mechanics of Fluids	CO1	2.6	2.88	2.66	2.56	2.6	3	2.68	2.41	82.91
		CO2	2.1	3	2.28		2.2	2.88	2.34		
		CO3	2.8	2.82	2.80		2.3	2.94	2.43		
		CO4	2.3	2.88	2.42		2.1	2.88	2.26		
		CO5	2.6	2.94	2.67		2.2	2.94	2.35		
	Surveying 1	CO1	2.6	2.88	2.66	2.48	2.4	2.88	2.50	2.62	84.96
		CO2	2.4	2.88	2.50		2.3	3	2.44		
		CO3	2.4	2.82	2.48		2.6	2.88	2.66		
		CO4	2	2.94	2.19		2.8	2.94	2.83		
		CO5	2.5	2.94	2.59		2.6	2.88	2.66		
	Environmental Science and Engineering	CO1	2.3	2.76	2.39	2.67	2.8	2.76	2.79	2.68	89.09
		CO2	2.6	2.94	2.67		2.4	3	2.52		
		CO3	2.5	2.88	2.58		2.6	2.88	2.66		
		CO4	2.8	2.94	2.83		2.6	2.94	2.67		
		CO5	3	2.33	2.87		2.7	3	2.76		
	Survey Practical I	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Computer Aided Building Drawing	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Numerical Methods	CO1	2.6	3	2.68	2.51	2.5	1.56	2.31	2.46	82.87
		CO2	2.6	3	2.68		2.5	1.56	2.31		
		CO3	2.5	2.94	2.59		2.6	1.8	2.44		
		CO4	2.3	2.88	2.42		2.6	2.88	2.66		
		CO5	2	2.94	2.19		2.5	2.94	2.59		
	Construction Materials	CO 1	2.7	3	2.76	2.56	2.3	2.94	2.43	2.51	84.51
		CO 2	2.5	3	2.60		2.6	2.88	2.66		
		CO 3	2.3	2.94	2.43		2.4	2.88	2.50		
		CO 4	2.3	2.88	2.42		2.6	2.82	2.64		
		CO 5	2.5	2.88	2.58		2.2	2.94	2.35		
	Strength of Materials	CO1	2.6	2.88	2.66	2.62	2.6	1.5	2.38	2.56	86.36
		CO2	2.5	2.94	2.59		2.6	1.5	2.38		
		CO3	2.6	2.88	2.66		3	1.56	2.71		
		CO4	2.5	3	2.60		2.6	2.88	2.66		
		CO5	2.5	3	2.60		2.6	3	2.68		
	Applied Hydraulic Engineering	CO1	2.4	2.88	2.50	2.64	2.4	3	2.52	2.60	87.29
		CO2	2.8	2.94	2.83		2.3	3	2.44		
		CO3	2.8	3	2.84		3	2.88	2.98		
		CO4	2.4	3	2.52		2.3	2.82	2.40		
		CO5	2.4	2.88	2.50		2.6	2.94	2.67		

IV	Surveying II	CO1	2.2	3	2.36	2.43	2.1	2.88	2.26	2.66	84.89
		CO2	2.2	2.94	2.35		2.5	3	2.60		
		CO3	2.1	2.88	2.26		2.6	2.88	2.66		
		CO4	2.3	3	2.44		2.8	3	2.84		
		CO5	2.7	3	2.76		3	2.76	2.95		
	Soil Mechanics	CO1	2.6	2.94	2.67	2.56	2.3	2.88	2.42	2.50	84.28
		CO2	2.6	3	2.68		2.3	2.94	2.43		
		CO3	2.4	2.88	2.50		2.3	2.88	2.42		
		CO4	2.3	2.94	2.43		2.5	2.88	2.58		
		CO5	2.4	3	2.52		2.6	2.88	2.66		
	Strength of Materials Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Hydraulic Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Survey Practical II	CO1	3	3	3.00		3	3	3.00		
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
V	Structural Analysis I	CO1	2.4	2.88	2.50	2.47	2	2.88	2.18	2.37	80.69
		CO2	2.2	3	2.36		2	3	2.20		
		CO3	2.5	2.88	2.58		2.4	2.88	2.50		
		CO4	2.3	3	2.44		2.2	3	2.36		
		CO5	2.4	2.76	2.47		2.6	2.76	2.63		
	Foundation Engineering	CO1	2	2.88	2.18	2.59	2	2.88	2.18	2.45	83.91
		CO2	2.3	3	2.44		2.4	3	2.52		
		CO3	2.8	2.94	2.83		2.4	2.94	2.51		
		CO4	2.6	2.88	2.66		2.4	3	2.52		
		CO5	2.8	3	2.84		2.4	2.94	2.51		
	Environmental Engineering I	CO1	2.7	3	2.76	2.77	2.2	3	2.36	2.61	89.55
		CO2	2.8	2.94	2.83		2.6	2.94	2.67		
		CO3	2.6	3	2.68		2.5	3	2.60		
		CO4	2.7	2.88	2.74		2.7	2.88	2.74		
		CO5	2.8	2.94	2.83		2.6	2.94	2.67		
	Highway Engineering	CO1	2.8	3	2.84	2.72	2.3	2.88	2.42	2.64	89.36
		CO2	2.6	3	2.68		2.6	3	2.68		
		CO3	2.4	2.94	2.51		2.7	3	2.76		
		CO4	2.8	2.88	2.82		2.6	2.94	2.67		
		CO5	2.7	3	2.76		2.6	3	2.68		
	Design of Reinforced Concrete Elements	CO1	2.4	2.94	2.51	2.64	2.7	3	2.76	2.61	87.45
		CO2	2.6	2.88	2.66		2.6	2.88	2.66		
		CO3	2.7	3	2.76		2.5	2.94	2.59		
		CO4	2.4	3	2.52		2.6	3	2.68		
		CO5	2.7	2.94	2.75		2.2	3	2.36		

	Construction Techniques, Equipment and Practice	CO1	1.9	3	2.12	2.24	2.7	2.88	2.74	2.54	79.60
		CO2	2.1	3	2.28		2.3	3	2.44		
		CO3	1.9	2.88	2.10		2.4	2.94	2.51		
		CO4	2.3	2.94	2.43		2.5	2.88	2.58		
		CO5	2.1	2.88	2.26		2.3	3	2.44		
	Communication and Soft Skills- Laboratory Based	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Soil Mechanics Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Survey Camp	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
VI	Design of Reinforced Concrete & Brick Masonry Structures	CO1	2.7	2.88	2.74	2.43	2.6	2.88	2.66	2.42	80.81
		CO2	2.4	2.94	2.51		2.2	2.82	2.32		
		CO3	2.2	2.88	2.34		1.8	2.94	2.03		
		CO4	2.1	3	2.28		2.6	2.88	2.66		
		CO5	2.1	3	2.28		2.3	3	2.44		
	Structural Analysis II	CO1	2.7	2.88	2.74	2.56	2.3	3	2.44	2.54	85.01
		CO2	2.1	2.94	2.27		2.7	2.94	2.75		
		CO3	1.8	3	2.04		2.2	3	2.36		
		CO4	3	3	3.00		2.3	2.88	2.42		
		CO5	2.7	2.88	2.74		2.7	3	2.76		
	Design of Steel Structures	CO1	2.7	3	2.76	2.56	2.3	2.94	2.43	2.43	83.15
		CO2	2.1	2.94	2.27		2.4	2.88	2.50		
		CO3	1.8	2.88	2.02		2.2	2.94	2.35		
		CO4	3	3	3.00		2.2	3	2.36		
		CO5	2.7	3	2.76		2.4	2.94	2.51		
	Railways, Airports and Harbour Engineering	CO1	2.1	2.15	2.11	2.61	2.3	2.86	2.41	2.49	85.02
		CO2	2.4	2.11	2.34		2.3	3	2.44		
		CO3	3	3	3.00		2.1	2.94	2.27		
		CO4	3	2.31	2.86		2.6	2.88	2.66		
		CO5	2.7	3	2.76		2.6	2.88	2.66		
	Environmental Engineering II	CO1	2.7	2.88	2.74	2.55	2.6	2.76	2.63	2.44	83.17
		CO2	2.4	2.76	2.47		2.3	3	2.44		
		CO3	2.3	2.94	2.43		2.4	2.88	2.50		
		CO4	2.2	3	2.36		2.2	2.94	2.35		
		CO5	2.7	3	2.76		2.1	3	2.28		
	Professional Ethics	CO1	2.7	3	2.76	2.54	2.6	2.88	2.66	2.62	85.95
		CO2	2.1	3	2.28		2.7	2.94	2.75		
		CO3	1.8	2.82	2.00		2.6	3	2.68		
		CO4	3	2.7	2.94		2.4	2.88	2.50		
		CO5	2.7	2.7	2.70		2.4	3	2.52		

	Environmental Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Concrete and Highway Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
VII	Structural Dynamics and Earthquake Engineering	CO1	2.1	2.88	2.26	2.41	3	2.4	2.88	2.70	85.23
		CO2	2.5	2.94	2.59		3	2.6	2.92		
		CO3	2.4	2.88	2.50		2.4	2.8	2.48		
		CO4	2.1	2.94	2.27		2.4	2.6	2.44		
		CO5	2.3	3	2.44		3	2	2.80		
	Prestressed Concrete Structures	CO1	2.6	2.76	2.63	2.60	2.7	2.2	2.60	2.42	83.79
		CO2	2.7	2.88	2.74		2.3	2.5	2.34		
		CO3	2.5	2.82	2.56		2.3	2.8	2.40		
		CO4	2.5	2.88	2.58		2.4	2.1	2.34		
		CO5	2.4	2.94	2.51		2.5	2.2	2.44		
	Water Resources and Irrigation Engineering	CO1	2.2	2.88	2.34	2.50	2.4	2.4	2.40	2.55	84.27
		CO2	2.3	3	2.44		2.6	3	2.68		
		CO3	3	2.94	2.99		2.4	2.88	2.50		
		CO4	2.3	2.88	2.42		2.7	3	2.76		
		CO5	2.2	2.88	2.34		2.3	2.94	2.43		
	Estimation and Quantity Surveying	CO1	2.5	2.76	2.55	2.40	2.3	3	2.44	2.50	81.69
		CO2	2.4	2.94	2.51		2.4	2.94	2.51		
		CO3	2.4	2.88	2.50		2.6	3	2.68		
		CO4	2.3	3	2.44		2.2	2.88	2.34		
		CO5	1.8	2.94	2.03		2.4	3	2.52		
	Traffic Engineering and Management	CO1	2.7	3	2.76	2.69	3	3	3.00	2.58	87.96
		CO2	3	2.8	2.96		2.5	2.88	2.58		
		CO3	2.6	2.74	2.63		2.3	2.82	2.40		
		CO4	2.4	2.86	2.49		2.3	2.88	2.42		
		CO5	2.6	2.76	2.63		2.4	3	2.52		
	Municipal Solid Waste Management	CO1	3	3	3.00	2.51	2.3	3	2.44	2.43	82.28
		CO2	2.4	2.88	2.50		2.4	2.88	2.50		
		CO3	2.1	2.94	2.27		2.6	2.6	2.60		
		CO4	2.4	2.88	2.50		2.2	2.4	2.24		
		CO5	2.1	2.94	2.27		2.4	2.3	2.38		
	Computer Aided Design and Drafting Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Design Project	CO1	3	3	3.00		3	3	3.00		
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

VIII	Principles of Management	CO1	2.6	2.82	2.64	2.59	2.5	2.94	2.59	2.53	85.28
		CO2	2.7	3	2.76		2.3	3	2.44		
		CO3	2.7	2.94	2.75		2.3	3	2.44		
		CO4	2.3	3	2.44		2.4	2.94	2.51		
		CO5	2.2	2.88	2.34		2.6	3	2.68		
	Prefabricated Structures	CO1	2.4	3	2.52	2.56	2.2	2.88	2.34	2.57	85.39
		CO2	2.6	2.94	2.67		2.4	3	2.52		
		CO3	2.4	2.43	2.41		3	3	3.00		
		CO4	2.7	3	2.76		2.5	2.88	2.58		
		CO5	2.3	2.94	2.43		2.3	2.82	2.40		
	Repair and Rehabilitation of Structures	CO1	2.3	2.88	2.42	2.53	2.3	2.88	2.42	2.49	83.79
		CO2	2.4	3	2.52		2.4	3	2.52		
		CO3	2.5	2.82	2.56		2.3	3	2.44		
		CO4	2.6	2.94	2.67		2.4	2.88	2.50		
		CO5	2.4	2.88	2.50		2.6	2.6	2.60		
	Project Work	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

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PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
COURSE ATTAINMENT 2015-2019

SEM	COURSE NAME	CO'S	A SECTION				B SECTION				OVERALL CO ATTAINMENT (%)
			DIRECT	INDIRECT	TOTAL	AVERAGE	DIRECT	INDIRECT	TOTAL	AVERAGE	
I	Technical English-I	CO1	2.4	2.8	2.48	2.54	2.5	2.94	2.59	2.61	85.85
		CO2	2.4	2.6	2.44		2.8	2.94	2.83		
		CO3	3	2.2	2.84		2.6	3	2.68		
		CO4	2.7	2.2	2.60		2.5	3	2.60		
		CO5	2.3	2.5	2.34		2.2	3	2.36		
	Mathematics-I	CO1	2.3	2.8	2.40	2.42	2.7	3	2.76	2.66	84.60
		CO2	2.4	2.1	2.34		2.6	2.94	2.67		
		CO3	2.5	2.22	2.44		2.6	2.88	2.66		
		CO4	2.4	2.44	2.41		2.7	2.76	2.71		
		CO5	2.4	2.88	2.50		2.4	2.88	2.50		
	Engineering Physics-I	CO1	2.3	3	2.44	2.42	2	3	2.20	2.28	78.32
		CO2	2.2	2.76	2.31		2.3	2.76	2.39		
		CO3	2.6	2.88	2.66		2	2.88	2.18		
		CO4	2.18	3	2.34		2	3	2.20		
		CO5	2.2	2.94	2.35		2.3	2.94	2.43		
	Engineering Chemistry-I	CO1	2.4	3	2.52	2.56	2.5	3	2.60	2.50	84.29
		CO2	2.5	3	2.60		2.3	3	2.44		
		CO3	2.6	3	2.68		2.4	3	2.52		
		CO4	2.5	2.94	2.59		2.4	2.94	2.51		
		CO5	2.3	2.88	2.42		2.3	2.88	2.42		
	Fundamentals of computing and programming	CO1	2.4	2.76	2.47	2.44	2.4	2.76	2.47	2.46	81.81
		CO2	2.3	3	2.44		2.4	3	2.52		
		CO3	2.2	2.76	2.31		2.2	2.76	2.31		
		CO4	2.6	2.88	2.66		2.5	2.88	2.58		
		CO5	2.18	3	2.34		2.3	3	2.44		
	Engineering Graphics	CO1	2.2	2.94	2.35	2.47	2.2	2.94	2.35	2.47	82.37
		CO2	2.4	3	2.52		2.5	3	2.60		
		CO3	2.5	3	2.60		2.4	3	2.52		
		CO4	2.3	2.88	2.42		2.3	2.88	2.42		
		CO5	2.4	2.76	2.47		2.4	2.76	2.47		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

II	Technical English II	CO1	2.8	2.94	2.83	2.72	2.4	2.94	2.51	2.54	87.68
		CO2	3	2.88	2.98		2.6	2.88	2.66		
		CO3	2.4	3	2.52		2.3	3	2.44		
		CO4	2.6	2.94	2.67		2.4	2.94	2.51		
		CO5	2.5	3	2.60		2.5	3	2.60		
	Mathematics II	CO1	2.8	2.94	2.83	2.67	2.3	2.94	2.43	2.43	85.01
		CO2	2.5	2.88	2.58		2.5	2.88	2.58		
		CO3	2.6	3	2.68		1.8	3	2.04		
		CO4	2.6	3	2.68		2.5	3	2.60		
		CO5	2.5	2.94	2.59		2.4	2.94	2.51		
	Engineering Physics II	CO1	2.6	2.88	2.66	2.66	2.5	2.88	2.58	2.52	86.37
		CO2	2.4	3	2.52		2.4	3	2.52		
		CO3	2.6	2.94	2.67		2.3	2.94	2.43		
		CO4	3	2.82	2.96		2.4	2.82	2.48		
		CO5	2.4	2.94	2.51		2.5	2.94	2.59		
	Engineering Chemistry II	CO1	2.8	3	2.84	2.57	2.6	3	2.68	2.51	84.59
		CO2	2.6	2.82	2.64		2.3	2.82	2.40		
		CO3	2.4	3	2.52		2.1	3	2.28		
		CO4	2.3	2.88	2.42		2.7	2.88	2.74		
		CO5	2.3	2.94	2.43		2.3	2.94	2.43		
	Basic Electrical & Electronics Engineering	CO1	2.5	2.88	2.58	2.58	2.4	2.88	2.50	2.51	84.80
		CO2	2.4	2.94	2.51		2.3	2.94	2.43		
		CO3	2.5	2.88	2.58		2.4	2.88	2.50		
		CO4	2.6	2.82	2.64		2.4	2.82	2.48		
		CO5	2.5	2.88	2.58		2.6	2.88	2.66		
	Engineering Mechanics	CO1	2.6	3	2.68	2.58	2.4	3	2.52	2.32	81.63
		CO2	2.4	2.88	2.50		2.2	2.88	2.34		
		CO3	2.5	2.94	2.59		2.1	2.94	2.27		
		CO4	2.6	3	2.68		2.1	3	2.28		
		CO5	2.3	3	2.44		2	3	2.20		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Transforms And Partial Differential Equation	CO1	2.5	2.88	2.58	2.60	2.1	2.88	2.26	2.46	84.24
		CO2	2.3	3	2.44		2.7	3	2.76		
		CO3	2.5	2.94	2.59		2.6	2.94	2.67		
		CO4	3	2.88	2.98		2.1	2.88	2.26		
		CO5	2.3	2.88	2.42		2.2	2.88	2.34		
	Engineering Geology	CO1	3	2.76	2.95	2.74	2.6	2.76	2.63	2.61	89.21
		CO2	2.5	3	2.60		2.2	2.73	2.31		
		CO3	2.2	2.88	2.34		2.3	2.68	2.38		
		CO4	2.8	3	2.84		2.8	2.65	2.77		
		CO5	3	2.88	2.98		3	2.88	2.98		

III	Mechanics of Solids	CO1	2.6	3	2.68	2.73	2.7	3	2.76	2.23	82.64
		CO2	2.7	3	2.76		2.1	3	2.28		
		CO3	2.5	2.88	2.58		1.8	2.88	2.02		
		CO4	3	2.82	2.96		1.8	2.82	2.00		
		CO5	2.6	2.88	2.66		1.9	2.88	2.10		
	Mechanics of Fluids	CO1	2.6	3	2.68	2.41	2.7	3	2.76	2.54	82.45
		CO2	2.2	2.88	2.34		2.4	2.88	2.50		
		CO3	2.3	2.94	2.43		2.2	2.94	2.35		
		CO4	2.1	2.88	2.26		2.4	2.88	2.50		
		CO5	2.2	2.94	2.35		2.5	2.94	2.59		
	Surveying 1	CO1	2.4	2.88	2.50	2.55	2.5	2.88	2.58	2.57	85.31
		CO2	2.3	3	2.44		2.4	3	2.52		
		CO3	2.6	2.88	2.66		2.3	2.88	2.42		
		CO4	2.4	2.94	2.51		2.5	2.94	2.59		
		CO5	2.6	2.88	2.66		2.7	2.88	2.74		
	Environmental Science and Engineering	CO1	2.8	2.76	2.79	2.68	2.7	2.76	2.71	2.57	87.44
		CO2	2.4	3	2.52		2.1	3	2.28		
		CO3	2.6	2.88	2.66		1.8	2.48	1.94		
		CO4	2.6	2.94	2.67		3	2.54	2.91		
		CO5	2.7	3	2.76		3	3	3.00		
	Survey Practical 1	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Computer Aided Building Drawing	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Numerical Methods	CO1	2.5	1.56	2.31	2.46	3	1.56	2.71	2.69	85.79
		CO2	2.5	1.56	2.31		2.9	1.56	2.63		
		CO3	2.6	1.8	2.44		2.8	1.8	2.60		
		CO4	2.6	2.88	2.66		2.8	2.88	2.82		
		CO5	2.5	2.94	2.59		2.6	2.94	2.67		
	Construction Materials	CO 1	2.4	2.94	2.51	2.53	2.6	2.94	2.67	2.48	83.55
		CO 2	2.6	2.88	2.66		2.4	2.88	2.50		
		CO 3	2.4	2.88	2.50		2.1	2.88	2.26		
		CO 4	2.6	2.82	2.64		2.4	2.82	2.48		
		CO 5	2.2	2.94	2.35		2.4	2.94	2.51		
	Strength of Materials	CO1	2.6	1.5	2.38	2.56	2.7	1.5	2.46	2.43	83.25
		CO2	2.6	1.5	2.38		2.5	1.5	2.30		
		CO3	3	1.56	2.71		2.6	1.56	2.39		
		CO4	2.6	2.88	2.66		2.5	2.88	2.58		
		CO5	2.6	3	2.68		2.3	3	2.44		
	Applied Hydraulic Engineering	CO1	2.4	3	2.52	2.60	2.5	3	2.60	2.57	86.19
		CO2	2.3	3	2.44		2.6	3	2.68		
		CO3	3	2.88	2.98		2.4	2.88	2.50		
		CO4	2.3	2.82	2.40		2.4	2.82	2.48		
		CO5	2.6	2.94	2.67		2.5	2.94	2.59		

IV	Surveying II	CO1	2.2	2.88	2.34	2.68	2.7	2.88	2.74	2.64	88.69
		CO2	2.5	3	2.60		2.5	3	2.60		
		CO3	2.6	2.88	2.66		2.4	2.88	2.50		
		CO4	2.8	3	2.84		2.6	3	2.68		
		CO5	3	2.76	2.95		2.7	2.76	2.71		
	Soil Mechanics	CO1	2.3	2.88	2.42	2.50	2.7	2.88	2.74	2.82	88.61
		CO2	2.3	2.94	2.43		2.7	2.94	2.75		
		CO3	2.3	2.88	2.42		2.8	2.88	2.82		
		CO4	2.5	2.88	2.58		2.8	2.88	2.82		
		CO5	2.6	2.88	2.66		3	2.88	2.98		
	Strength of Materials Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Hydraulic Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Survey Practical II	CO1	3	3	3.00		3	3	3.00		
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
V	Structural Analysis I	CO1	2	2.88	2.18	2.37	2.4	2.88	2.50	2.47	80.69
		CO2	2	3	2.20		2.2	3	2.36		
		CO3	2.4	2.88	2.50		2.5	2.88	2.58		
		CO4	2.2	3	2.36		2.3	3	2.44		
		CO5	2.6	2.76	2.63		2.4	2.76	2.47		
	Foundation Engineering	CO1	2	2.88	2.18	2.45	2	2.88	2.18	2.59	83.95
		CO2	2.4	3	2.52		2.3	3	2.44		
		CO3	2.4	2.94	2.51		2.8	2.94	2.83		
		CO4	2.4	3	2.52		2.6	3	2.68		
		CO5	2.4	2.94	2.51		2.8	2.94	2.83		
	Environmental Engineering I	CO1	2.2	3	2.36	2.61	2.7	3	2.76	2.77	89.55
		CO2	2.6	2.94	2.67		2.8	2.94	2.83		
		CO3	2.5	3	2.60		2.6	3	2.68		
		CO4	2.7	2.88	2.74		2.7	2.88	2.74		
		CO5	2.6	2.94	2.67		2.8	2.94	2.83		
	Highway Engineering	CO1	2.3	2.88	2.42	2.61	2.8	2.88	2.82	2.72	88.83
		CO2	2.6	3	2.68		2.6	3	2.68		
		CO3	2.5	3	2.60		2.4	3	2.52		
		CO4	2.6	2.94	2.67		2.8	2.94	2.83		
		CO5	2.6	3	2.68		2.7	3	2.76		
	Design of Reinforced Concrete Elements	CO1	2.7	3	2.76	2.61	2.4	3	2.52	2.64	87.49
		CO2	2.6	2.88	2.66		2.6	2.88	2.66		
		CO3	2.5	2.94	2.59		2.7	2.94	2.75		
		CO4	2.6	3	2.68		2.4	3	2.52		
		CO5	2.2	3	2.36		2.7	3	2.76		

	Construction Techniques, Equipment and Practice	CO1	2.7	2.88	2.74	2.57	1.9	2.88	2.10	2.24	80.13
		CO2	2.3	3	2.44		2.1	3	2.28		
		CO3	2.6	2.94	2.67		1.9	2.94	2.11		
		CO4	2.5	2.88	2.58		2.3	2.88	2.42		
		CO5	2.3	3	2.44		2.1	3	2.28		
	Communication and Soft Skills-Laboratory Based	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Soil Mechanics Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Survey Camp	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
VI	Design of Reinforced Concrete & Brick Masonry Structures	CO1	2.6	2.88	2.66	2.47	2.7	2.88	2.74	2.42	81.49
		CO2	2.2	2.82	2.32		2.4	2.82	2.48		
		CO3	2.1	2.94	2.27		2.2	2.94	2.35		
		CO4	2.6	2.88	2.66		2.1	2.88	2.26		
		CO5	2.3	3	2.44		2.1	3	2.28		
	Structural Analysis II	CO1	2.3	3	2.44	2.53	2.7	3	2.76	2.56	84.83
		CO2	2.7	2.94	2.75		2.1	2.94	2.27		
		CO3	2.2	3	2.36		1.8	3	2.04		
		CO4	2.2	2.88	2.34		3	2.88	2.98		
		CO5	2.7	3	2.76		2.7	3	2.76		
	Design of Steel Structures	CO1	2.3	2.94	2.43	2.43	2.7	2.94	2.75	2.56	83.07
		CO2	2.4	2.88	2.50		2.1	2.88	2.26		
		CO3	2.2	2.94	2.35		1.8	2.94	2.03		
		CO4	2.2	3	2.36		3	3	3.00		
		CO5	2.4	2.94	2.51		2.7	2.94	2.75		
	Railways, Airports and Harbour Engineering	CO1	2.3	2.86	2.41	2.49	2.7	2.86	2.73	2.79	87.95
		CO2	2.3	3	2.44		2.4	3	2.52		
		CO3	2.1	2.94	2.27		3	2.94	2.99		
		CO4	2.6	2.88	2.66		3	2.88	2.98		
		CO5	2.6	2.88	2.66		2.7	2.88	2.74		
	Environmental Engineering II	CO1	2.6	2.76	2.63	2.46	2.7	2.76	2.71	2.55	83.44
		CO2	2.3	3	2.44		2.4	3	2.52		
		CO3	2.4	2.88	2.50		2.3	2.88	2.42		
		CO4	2.2	2.94	2.35		2.2	2.94	2.35		
		CO5	2.2	3	2.36		2.7	3	2.76		
	Professional Ethics	CO1	2.6	2.88	2.66	2.62	2.7	2.88	2.74	2.56	86.27
		CO2	2.7	2.94	2.75		2.1	2.94	2.27		
		CO3	2.6	3	2.68		1.8	3	2.04		
		CO4	2.4	2.88	2.50		3	2.88	2.98		
		CO5	2.4	3	2.52		2.7	3	2.76		

	Environmental Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Concrete and Highway Engineering Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Structural Dynamics and Earthquake Engineering	CO1	3	2.4	2.88	2.70	2.1	2.3	2.14	2.35	84.27
		CO2	3	2.6	2.92		2.5	2.5	2.50		
		CO3	2.4	2.8	2.48		2.4	2.6	2.44		
		CO4	2.4	2.6	2.44		2.1	2.8	2.24		
		CO5	3	2	2.80		2.3	3	2.44		
	Prestressed Concrete Structures	CO1	2.7	2.2	2.60	2.42	2.6	2.8	2.64	2.54	82.73
		CO2	2.3	2.5	2.34		2.7	2.6	2.68		
		CO3	2.3	2.8	2.40		2.5	2.6	2.52		
		CO4	2.4	2.1	2.34		2.5	2.4	2.48		
		CO5	2.5	2.2	2.44		2.4	2.3	2.38		
	Water Resources and Irrigation Engineering	CO1	2.4	2.4	2.40	2.55	2.2	2.6	2.28	2.49	83.97
		CO2	2.6	3	2.68		2.3	3	2.44		
		CO3	2.4	2.88	2.50		3	2.6	2.92		
		CO4	2.7	3	2.76		2.3	2.94	2.43		
		CO5	2.3	2.94	2.43		2.2	3	2.36		
	Estimation and Quantity Surveying	CO1	2.3	3	2.44	2.50	2.5	3	2.60	2.24	78.96
		CO2	2.4	2.94	2.51		2.4	2.94	2.51		
		CO3	2.6	3	2.68		1.8	3	2.04		
		CO4	2.2	2.88	2.34		1.8	2.88	2.02		
		CO5	2.4	3	2.52		1.8	3	2.04		
VII	Traffic Engineering and Management	CO1	3	3	3.00	2.58	2.7	3	2.76	2.71	88.24
		CO2	2.5	2.88	2.58		3	2.88	2.98		
		CO3	2.3	2.82	2.40		2.6	2.82	2.64		
		CO4	2.3	2.88	2.42		2.4	2.88	2.50		
		CO5	2.4	3	2.52		2.6	3	2.68		
	Municipal Solid Waste Management	CO1	2.3	3	2.44	2.46	3	3	3.00	2.45	81.84
		CO2	2.4	2.88	2.50		2.4	2.88	2.50		
		CO3	2.6	2.6	2.60		2.1	2.6	2.20		
		CO4	2.4	2.4	2.40		2.4	2.4	2.40		
		CO5	2.4	2.3	2.38		2.1	2.3	2.14		
	Computer Aided Design and Drafting Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Design Project	CO1	3	3	3.00		3	3	3.00		
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

VIII	Principles of Management	CO1	2.5	2.94	2.59	2.53	2.6	2.4	2.56	2.50	83.79
		CO2	2.3	3	2.44		2.7	2.6	2.68		
		CO3	2.3	3	2.44		2.7	2.8	2.72		
		CO4	2.4	2.94	2.51		2.3	2.6	2.36		
		CO5	2.6	3	2.68		2.2	2	2.16		
	Prefabricated Structures	CO1	2.2	2.88	2.34	2.57	2.4	2.2	2.36	2.46	83.72
		CO2	2.4	3	2.52		2.6	2.5	2.58		
		CO3	3	3	3.00		2.4	2.8	2.48		
		CO4	2.5	2.88	2.58		2.7	2.1	2.58		
		CO5	2.3	2.82	2.40		2.3	2.2	2.28		
	Repair and Rehabilitation of Structures	CO1	2.3	2.88	2.42	2.53	2.3	2.4	2.32	2.52	84.12
		CO2	2.4	3	2.52		2.4	3	2.52		
		CO3	2.5	3	2.60		2.5	2.88	2.58		
		CO4	2.4	2.88	2.50		2.6	3	2.68		
		CO5	2.6	2.6	2.60		2.4	2.94	2.51		
	Project Work	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

HOD/CIVIL

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
COURSE ATTAINMENT 2016-2020

SEM	COURSE NAME	CO'S	A SECTION				OVERALL CO ATTAINMENT (%)
			DIRECT	INDIRECT	TOTAL	AVERAGE	
I	Technical English-I	CO1	2.4	2.8	2.48	2.54	84.67
		CO2	2.4	2.6	2.44		
		CO3	3	2.2	2.84		
		CO4	2.7	2.2	2.60		
		CO5	2.3	2.5	2.34		
	Mathematics-I	CO1	2.3	2.8	2.40	2.42	80.59
		CO2	2.4	2.1	2.34		
		CO3	2.5	2.22	2.44		
		CO4	2.4	2.44	2.41		
		CO5	2.4	2.88	2.50		
	Engineering Physics-I	CO1	2.3	3	2.44	2.48	82.72
		CO2	2.2	2.76	2.62		
		CO3	2.6	2.88	2.66		
		CO4	2.18	3	2.34		
		CO5	2.2	2.94	2.35		
	Engineering Chemistry-I	CO1	2.4	3	2.52	2.56	85.36
		CO2	2.5	3	2.60		
		CO3	2.6	3	2.68		
		CO4	2.5	2.94	2.59		
		CO5	2.3	2.88	2.42		
	Fundamentals of computing and programming	CO1	2.4	2.76	2.47	2.44	81.49
		CO2	2.3	3	2.44		
		CO3	2.2	2.76	2.31		
		CO4	2.6	2.88	2.66		
		CO5	2.18	3	2.34		
	Engineering Graphics	CO1	2.2	2.94	2.35	2.47	82.37
		CO2	2.4	3	2.52		
		CO3	2.5	3	2.60		
		CO4	2.3	2.88	2.42		
		CO5	2.4	2.76	2.47		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		

II	Technical English II	CO1	2.8	2.94	2.83	2.72	90.61
		CO2	3	2.88	2.98		
		CO3	2.4	3	2.52		
		CO4	2.6	2.94	2.67		
		CO5	2.5	3	2.60		
	Mathematics II	CO1	2.8	2.94	2.83	2.67	89.01
		CO2	2.5	2.88	2.58		
		CO3	2.6	3	2.68		
		CO4	2.6	3	2.68		
		CO5	2.5	2.94	2.59		
	Engineering Physics II	CO1	2.6	2.88	2.66	2.66	88.77
		CO2	2.4	3	2.52		
		CO3	2.6	2.94	2.67		
		CO4	3	2.82	2.96		
		CO5	2.4	2.94	2.51		
	Engineering Chemistry II	CO1	2.8	3	2.84	2.57	85.65
		CO2	2.6	2.82	2.64		
		CO3	2.4	3	2.52		
		CO4	2.3	2.88	2.42		
		CO5	2.3	2.94	2.43		
	Basic Electrical & Electronics Engineering	CO1	2.5	2.88	2.58	2.58	85.87
		CO2	2.4	2.94	2.51		
		CO3	2.5	2.88	2.58		
		CO4	2.6	2.82	2.64		
		CO5	2.5	2.88	2.58		
	Engineering Mechanics	CO1	2.6	3	2.68	2.58	85.89
		CO2	2.4	2.88	2.50		
		CO3	2.5	2.94	2.59		
		CO4	2.6	3	2.68		
		CO5	2.3	3	2.44		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Transforms And Partial Differential Equation	CO1	2.5	2.88	2.58	2.60	86.64
		CO2	2.3	3	2.44		
		CO3	2.5	2.94	2.59		
		CO4	3	2.88	2.98		
		CO5	2.3	2.88	2.42		
	Engineering Geology	CO1	3	2.76	2.95	2.74	91.36
		CO2	2.5	3	2.60		
		CO3	2.2	2.88	2.34		
		CO4	2.8	3	2.84		
		CO5	3	2.88	2.98		

III	Mechanics of Solids	CO1	2.6	3	2.68	2.73	90.91
		CO2	2.7	3	2.76		
		CO3	2.5	2.88	2.58		
		CO4	3	2.82	2.96		
		CO5	2.6	2.88	2.66		
	Mechanics of Fluids	CO1	2.6	3	2.68	2.41	80.32
		CO2	2.2	2.88	2.34		
		CO3	2.3	2.94	2.43		
		CO4	2.1	2.88	2.26		
		CO5	2.2	2.94	2.35		
	Surveying I	CO1	2.4	2.88	2.50	2.55	85.04
		CO2	2.3	3	2.44		
		CO3	2.6	2.88	2.66		
		CO4	2.4	2.94	2.51		
		CO5	2.6	2.88	2.66		
	Environmental Science and Engineering	CO1	2.8	2.76	2.79	2.68	89.31
		CO2	2.4	3	2.52		
		CO3	2.6	2.88	2.66		
		CO4	2.6	2.94	2.67		
		CO5	2.7	3	2.76		
	Survey Practical I	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Computer Aided Building Drawing	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Numerical Methods	CO1	2.5	1.56	2.31	2.46	82.05
		CO2	2.5	1.56	2.31		
		CO3	2.6	1.8	2.44		
		CO4	2.6	2.88	2.66		
		CO5	2.5	2.94	2.59		
	Construction Materials	CO 1	2.4	2.94	2.51	2.53	84.35
		CO 2	2.6	2.88	2.66		
		CO 3	2.4	2.88	2.50		
		CO 4	2.6	2.82	2.64		
		CO 5	2.2	2.94	2.35		
	Strength of Materials	CO1	2.6	1.5	2.38	2.56	85.39
		CO2	2.6	1.5	2.38		
		CO3	3	1.56	2.71		
		CO4	2.6	2.88	2.66		
		CO5	2.6	3	2.68		
	Applied Hydraulic Engineering	CO1	2.4	3	2.52	2.60	86.72
		CO2	2.3	3	2.44		
		CO3	3	2.88	2.98		
		CO4	2.3	2.82	2.40		
		CO5	2.6	2.94	2.67		

IV	Surveying II	CO1	2.2	2.88	2.34	2.68	89.23
		CO2	2.5	3	2.60		
		CO3	2.6	2.88	2.66		
		CO4	2.8	3	2.84		
		CO5	3	2.76	2.95		
	Soil Mechanics	CO1	2.3	2.88	2.42	2.50	83.28
		CO2	2.3	2.94	2.43		
		CO3	2.3	2.88	2.42		
		CO4	2.5	2.88	2.58		
		CO5	2.6	2.88	2.66		
	Strength of Materials Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Hydraulic Engineering Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		.CO4	3	3	3.00		
		CO5	3	3	3.00		
	Survey Practical II	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
V	Structural Analysis I	CO1	2	2.88	2.18	2.37	79.09
		CO2	2	3	2.20		
		CO3	2.4	2.88	2.50		
		CO4	2.2	3	2.36		
		CO5	2.6	2.76	2.63		
	Foundation Engineering	CO1	2	2.88	2.18	2.45	81.55
		CO2	2.4	3	2.52		
		CO3	2.4	2.94	2.51		
		CO4	2.4	3	2.52		
		CO5	2.4	2.94	2.51		
	Environmental Engineering I	CO1	2.2	3	2.36	2.61	86.88
		CO2	2.6	2.94	2.67		
		CO3	2.5	3	2.60		
		CO4	2.7	2.88	2.74		
		CO5	2.6	2.94	2.67		
	Highway Engineering	CO1	2.3	2.88	2.42	2.61	86.96
		CO2	2.6	3	2.68		
		CO3	2.5	3	2.60		
		CO4	2.6	2.94	2.67		
		CO5	2.6	3	2.68		
	Design of Reinforced Concrete Elements	CO1	2.7	3	2.76	2.61	86.96
		CO2	2.6	2.88	2.66		
		CO3	2.5	2.94	2.59		
		CO4	2.6	3	2.68		
		CO5	2.2	3	2.36		

	Construction Techniques, Equipment and Practice	CO1	2.7	2.88	2.74	2.57	85.73
		CO2	2.3	3	2.44		
		CO3	2.6	2.94	2.67		
		CO4	2.5	2.88	2.58		
		CO5	2.3	3	2.44		
	Communication and Soft Skills-Laboratory Based	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Soil Mechanics Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Survey Camp	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
VI	Design of Reinforced Concrete & Brick Masonry Structures	CO1	2.6	2.88	2.66	2.47	82.29
		CO2	2.2	2.82	2.32		
		CO3	2.1	2.94	2.27		
		CO4	2.6	2.88	2.66		
		CO5	2.3	3	2.44		
	Structural Analysis II	CO1	2.3	3	2.44	2.53	84.29
		CO2	2.7	2.94	2.75		
		CO3	2.2	3	2.36		
		CO4	2.2	2.88	2.34		
		CO5	2.7	3	2.76		
	Design of Steel Structures	CO1	2.3	2.94	2.43	2.43	80.93
		CO2	2.4	2.88	2.50		
		CO3	2.2	2.94	2.35		
		CO4	2.2	3	2.36		
		CO5	2.4	2.94	2.51		
	Railways, Airports and Harbour Engineering	CO1	2.3	2.86	2.41	2.49	82.88
		CO2	2.3	3	2.44		
		CO3	2.1	2.94	2.27		
		CO4	2.6	2.88	2.66		
		CO5	2.6	2.88	2.66		
	Environmental Engineering II	CO1	2.6	2.76	2.63	2.46	81.84
		CO2	2.3	3	2.44		
		CO3	2.4	2.88	2.50		
		CO4	2.2	2.94	2.35		
		CO5	2.2	3	2.36		
	Professional Ethics	CO1	2.6	2.88	2.66	2.62	87.33
		CO2	2.7	2.94	2.75		
		CO3	2.6	3	2.68		
		CO4	2.4	2.88	2.50		
		CO5	2.4	3	2.52		

	Environmental Engineering Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Concrete and Highway Engineering Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
VII	Structural Dynamics and Earthquake Engineering	CO1	3	2.4	2.88	2.70	90.13
		CO2	3	2.6	2.92		
		CO3	2.4	2.8	2.48		
		CO4	2.4	2.6	2.44		
		CO5	3	2	2.80		
	Prestressed Concrete Structures	CO1	2.7	2.2	2.60	2.42	80.80
		CO2	2.3	2.5	2.34		
		CO3	2.3	2.8	2.40		
		CO4	2.4	2.1	2.34		
		CO5	2.5	2.2	2.44		
	Water Resources and Irrigation Engineering	CO1	2.4	2.4	2.40	2.55	85.09
		CO2	2.6	3	2.68		
		CO3	2.4	2.88	2.50		
		CO4	2.7	3	2.76		
		CO5	2.3	2.94	2.43		
	Estimation and Quantity Surveying	CO1	2.3	3	2.44	2.50	83.23
		CO2	2.4	2.94	2.51		
		CO3	2.6	3	2.68		
		CO4	2.2	2.88	2.34		
		CO5	2.4	3	2.52		
	Traffic Engineering and Management	CO1	3	3	3.00	2.58	86.11
		CO2	2.5	2.88	2.58		
		CO3	2.3	2.82	2.40		
		CO4	2.3	2.88	2.42		
		CO5	2.4	3	2.52		
	Municipal Solid Waste Management	CO1	2.3	3	2.44	2.46	82.11
		CO2	2.4	2.88	2.50		
		CO3	2.6	2.6	2.60		
		CO4	2.4	2.4	2.40		
		CO5	2.4	2.3	2.38		
	Computer Aided Design and Drafting Laboratory	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		
	Design Project	CO1	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		

VIII	Principles of Management	CO1	2.5	2.94	2.59	**2.53**	**84.37**
		CO2	2.3	3	2.44		
		CO3	2.3	3	2.44		
		CO4	2.4	2.94	2.51		
		CO5	2.6	3	2.68		
	Prefabricated Structures	CO1	2.2	2.88	2.34	**2.57**	**85.57**
		CO2	2.4	3	2.52		
		CO3	3	3	3.00		
		CO4	2.5	2.88	2.58		
		CO5	2.3	2.82	2.40		
	Repair and Rehabilitation of Structures	CO1	2.3	2.88	2.42	**2.53**	**84.21**
		CO2	2.4	3	2.52		
		CO3	2.5	3	2.60		
		CO4	2.4	2.88	2.50		
		CO5	2.6	2.6	2.60		
	Project Work	CO1	3	3	3.00	**3.00**	**100.00**
		CO2	3	3	3.00		
		CO3	3	3	3.00		
		CO4	3	3	3.00		
		CO5	3	3	3.00		

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PRATHYUSHA ENGINEERING COLLEGE

DPEARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT FOR COURSES (2016- 20)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM RESULT)			INDIRECT METHOD (EOC)			OVERALL CO %
					SEC A	SEC B	CO (80%)	SEC A	SEC B	CO (20%)	CO (100%)
1	2016-17	I	I	Technical English – I	2.43	2.39	64.27	90.00	89.00	17.90	82.17
2				MA6151 Mathematics – I	2.4	2.32	62.93	86.00	85.00	17.10	80.03
3				PH6151 Engineering Physics – I	2.28	2.37	62.00	91.00	90.00	18.10	80.10
4				Engineering Chemistry –I	2.22	2.36	61.07	97.00	96.00	19.30	80.37
5				Computer Programming	2.52	2.72	69.87	90.00	89.00	17.90	87.77
6				Engineering Graphics	2.54	2.45	66.53	89.00	89.00	17.80	84.33
7				Computer Practices Laboratory	2.43	2.38	64.13	95.00	92.00	18.70	82.83
8				Engineering Practices Laboratory	2.47	2.53	66.67	92.00	93.00	18.50	85.17
9				Physics and Chemistry Laboratory -I	2.45	2.36	64.13	89.00	89.00	17.80	81.93
10			II	Technical English –II	2.45	2.37	64.27	95.00	92.00	18.70	82.97
11				Mathematics –II	2.3	2.2	60.00	93.00	91.00	18.40	78.40
12				Engineering Physics –II	2.35	2.28	61.73	97.00	96.00	19.30	81.03
13				Engineering Chemistry –II	2.38	2.26	61.87	93.00	92.00	18.50	80.37
14				Digital Principles and System Design	2.44	2.36	64.00	91.00	95.00	18.60	82.60
15				Programming and Data Structures I	2.3	2.45	63.33	92.000	92.00	18.40	81.73
16				Physics and Chemistry Laboratory-II	2.38	2.41	63.87	90.00	89.00	17.90	81.77
17				Digital Laboratory	2.56	2.36	65.60	86.00	90.00	17.60	83.20
18				Programming and Data Structures Laboratory I	2.42	2.34	63.47	89.00	89.00	17.80	81.27
19	2017-18	II	III	Transforms and Partial Differential Equations	2.54	2.38	65.60	95.00	92.00	18.70	84.30
20				Programming and Data Structure II	2.58	2.62	69.33	92.00	93.00	18.50	87.83
21				Database Management Systems	2.66	2.52	69.07	93.00	91.00	18.40	87.47
22				Computer Architecture	2.47	2.36	64.40	97.00	96.00	19.30	83.70
23				Analog and Digital Communication	2.42	2.32	63.20	93.00	92.00	18.50	81.70
24				Environmental Science and Engineering	2.36	2.33	62.53	91.00	95.00	18.60	81.13
25				Programming and Data Structure Laboratory II	2.32	2.68	66.67	92.00	92.00	18.40	85.07
26				Database Management Systems Laboratory	2.46	2.52	66.40	93.00	90.00	18.30	84.70
27			IV	Probability and Queueing Theory	2.54	2.46	66.67	94.00	92.00	18.60	85.27
28				Computer Networks	2.48	2.36	64.40	92.00	91.00	18.30	82.70
29				Operating Systems	2.56	2.43	66.21	96.00	95.00	19.10	85.31
30				Design and Analysis of Algorithms	2.36	2.54	65.33	95.00	90.00	18.50	83.83
31				Microprocessor and Microcontroller	2.47	2.36	64.40	95.00	97.00	19.20	83.60
32				Software Engineering	2.42	2.32	63.20	94.00	94.20	18.82	82.02
33				Networks Laboratory	2.36	2.33	62.53	91.00	95.40	18.64	81.17
34				Microprocessor and Microcontroller Laboratory	2.28	2.4	62.40	91.00	98.00	18.90	81.30
35				Operating Systems Laboratory	2.16	2.46	61.60	92.00	95.00	18.70	80.30
36	2018-19	III	V	Discrete Mathematics	2.56	2.44	66.67	93.00	92.00	18.50	85.17
37				Internet Programming	2.48	2.24	62.93	89.00	93.00	18.20	81.13
38				Object Oriented Analysis and Design	2.43	2.26	62.53	96.00	96.00	19.20	81.73
39				Theory of Computation	2.52	2.45	66.27	91.00	93.00	18.40	84.67
40				Computer Graphics	2.3	2.45	63.33	94.00	92.00	18.60	81.93
41				Case Tools Laboratory	2.38	2.41	63.87	90.00	89.00	17.90	81.77
42				Internet Programming Laboratory	2.3	2.45	63.33	94.00	92.00	18.60	81.93
43				Computer Graphics Laboratory	2.38	2.41	63.87	97.00	89.00	18.60	82.47
44			VI	Distributed Systems	2.32	2.34	62.13	92.3	93.7	18.6	80.73
45				Mobile Computing	2.38	2.29	62.27	94.2	95.1	18.93	81.20
46				Compiler Design	2.37	2.28	62.00	94.6	95.6	19.02	81.02
47				Digital Signal Processing	2.43	2.26	62.53	90.1	91.2	18.13	80.66
48				Artificial Intelligence	2.48	2.35	64.40	95.2	95.4	19.06	83.46
49				Total Quality Management	2.32	2.27	61.20	94.7	94.6	18.93	80.13
50				Mobile Application Development Laboratory	2.47	2.36	64.40	94.7	94.2	18.89	83.29
51				Compiler Laboratory	2.42	2.32	63.20	94.2	95.2	18.94	82.14
52				Communication and Soft Skills - Laboratory Based	2.36	2.33	62.53	92.6	94.3	18.69	81.22
53	2019-20	IV	VII	Cryptography and Network Security	2.48	2.32	64.00	97.00	96.00	19.30	83.30
54				Graph Theory and Applications	2.36	2.24	61.33	94.00	93.00	18.70	80.03
55				Grid and Cloud Computing	2.42	2.32	63.08	91.00	91.00	18.20	81.28
56				Resource Management Techniques	2.46	2.36	62.66	95.00	92.00	18.70	81.36
57				Service Oriented Architecture	2.4	2.5	65.33	89.00	93.00	18.20	83.53
58				Information Retrieval	2.28	2.58	64.80	92.00	90.00	18.20	83.00
59				Security Laboratory	2.66	2.52	69.07	89.00	89.00	17.8	86.87
60				Grid and Cloud Computing Laboratory	2.58	2.62	69.33	92.00	89.00	17.40	86.73
61			VIII	Multi – Core Architectures and Programming	2.32	2.68	66.67	92	95	18.7	85.37
62				Human Computer Interaction	2.46	2.52	66.4	96	97	19.3	85.7
63				Professional Ethics in Engineering	2.58	2.46	67.2	92.5	91	18.35	85.55
64				Project Work	2.64	2.56	69.33	93	90	18.3	87.63

V. R. Ka

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PRATHYUSHA ENGINEERING COLLEGE

DPEARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT FOR COURSES (2015- 19)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM RESULT)			INDIRECT METHOD (EOC)			OVERALL CO %
					SEC A	SEC B	CO (80%)	SEC A	SEC B	CO (20%)	CO (100%)
1	2015-16	I	I	Technical English – I	2.28	2.4	62.40	92.00	98.90	19.09	81.49
2				MA6151 Mathematics – I	2.16	2.46	61.60	93.00	91.00	18.40	80.00
3				PH6151 Engineering Physics – I	2.56	2.44	66.67	89.00	89.00	17.80	84.47
4				Engineering Chemistry –I	2.48	2.24	62.93	97.00	93.70	19.07	82.00
5				Computer Programming	2.43	2.32	63.67	91.00	98.00	18.90	82.57
6				Engineering Graphics	2.52	2.45	66.27	92.00	90.50	18.25	84.52
7				Computer Practices Laboratory	2.3	2.45	63.33	92.00	95.00	18.70	82.03
8				Engineering Practices Laboratory	2.38	2.41	63.87	96.00	97.00	19.30	83.17
9				Physics and Chemistry Laboratory -I	2.46	2.44	65.33	97.00	96.00	19.30	84.63
10			II	Technical English –II	2.28	2.64	65.60	93.00	94.00	18.70	84.30
11				Mathematics –II	2.32	2.14	59.47	89.00	93.00	18.20	77.67
12				Engineering Physics –II	2.76	2.22	66.40	96.00	96.00	19.20	85.60
13				Engineering Chemistry –II	2.28	2.4	62.40	91.00	93.00	18.40	80.80
14				Digital Principles and System Design	2.68	2.54	69.60	95.00	92.00	18.70	88.30
15				Programming and Data Structures I	2.47	2.36	64.40	93.00	92.00	18.50	82.90
16				Physics and Chemistry Laboratory-II	2.42	2.32	63.20	92.00	93.00	18.50	81.70
17				Digital Laboratory	2.36	2.33	62.53	93.00	91.00	18.40	80.93
18				Programming and Data Structures Laboratory I	2.54	2.4	65.87	97.00	96.00	19.30	85.17
19	2016-17	II	III	Transforms and Partial Differential Equations	2.32	2.68	66.67	89.00	93.00	18.20	84.87
20				Programming and Data Structure II	2.46	2.52	66.40	97.00	96.00	19.30	85.70
21				Database Management Systems	2.54	2.46	66.67	89.00	93.00	18.20	84.87
22				Computer Architecture	2.28	2.4	62.40	96.00	96.00	19.20	81.60
23				Analog and Digital Communication	2.6	2.62	69.60	91.00	93.00	18.40	88.00
24				Environmental Science and Engineering	2.36	2.54	65.33	94.00	92.00	18.60	83.93
25				Programming and Data Structure Laboratory II	2.47	2.36	64.40	90.00	89.00	17.90	82.30
26				Database Management Systems Laboratory	2.42	2.32	63.20	94.00	92.00	18.60	81.80
27			IV	Probability and Queueing Theory	2.36	2.33	62.53	97.00	89.00	18.60	81.13
28				Computer Networks	2.19	2.17	58.13	94.00	93.00	18.70	76.83
29				Operating Systems	2.17	2.12	57.20	97.00	93.00	19.00	76.20
30				Design and Analysis of Algorithms	2.36	2.24	61.33	97.00	91.00	18.80	80.13
31				Microprocessor and Microcontroller	2.32	2.3	61.60	94.00	92.00	18.60	80.20
32				Software Engineering	2.38	2.24	61.60	93.00	92.00	18.50	80.10
33				Networks Laboratory	2.37	2.3	62.27	94.00	93.00	18.70	80.97
34				Microprocessor and Microcontroller Laboratory	2.48	2.32	64.00	97.00	96.00	19.30	83.30
35				Operating Systems Laboratory	2.36	2.24	61.33	94.00	93.00	18.70	80.03
36	2017-18	III	V	Discrete Mathematics	2.42	2.32	63.08	91.00	91.00	18.20	81.28
37				Internet Programming	2.46	2.36	62.66	95.00	92.00	18.70	81.36
38				Object Oriented Analysis and Design	2.47	2.23	62.67	92.00	93.00	18.50	81.17
39				Theory of Computation	2.15	2.10	56.67	86.00	85.00	17.10	73.77
40				Computer Graphics	2.48	2.22	62.67	91.00	90.00	18.10	80.77
41				Case Tools Laboratory	2.24	2.36	61.33	97.00	96.00	19.30	80.63
42				Internet Programming Laboratory	2.30	2.45	63.33	90.00	89.00	17.90	81.23
43				Computer Graphics Laboratory	2.38	2.41	63.87	94.00	93.00	18.70	82.57
44			VI	Distributed Systems	2.42	2.24	62.13	97.00	96.00	19.30	81.43
45				Mobile Computing	2.36	2.28	61.87	94.00	93.00	18.70	80.57
46				Compiler Design	2.37	2.28	62.00	96.00	92.00	18.80	80.80
47				Digital Signal Processing	2.37	2.21	61.86	96.00	93.00	18.90	80.76
48				Artificial Intelligence	2.42	2.38	64.00	96.00	94.00	19.00	83.00
49				Total Quality Management	2.48	2.37	64.67	93.00	95.00	18.80	83.47
50				Mobile Application Development Laboratory	2.47	2.36	64.40	92.00	92.00	18.40	82.80
51				Compiler Laboratory	2.42	2.32	63.20	91.00	91.00	18.20	81.40
52				Communication and Soft Skills - Laboratory	2.36	2.33	62.53	95.00	92.00	18.70	81.23
53	2018-19	IV	VII	Cryptography and Network Security	2.43	2.36	63.87	92.00	93.00	18.50	82.37
54				Graph Theory and Applications	2.48	2.36	65.14	93.00	91.00	18.40	83.54
55				Grid and Cloud Computing	2.4	2.36	63.47	96.00	93.00	18.90	82.37
56				Resource Management Techniques	2.38	2.34	62.93	96.00	95.00	19.10	82.03
57				Service Oriented Architecture	2.32	2.26	61.07	97.00	93.00	19.00	80.07
58				Information Retrieval	2.38	2.3	62.40	93.00	93.00	18.60	81.00
59				Security Laboratory	2.44	2.26	62.67	93.00	95.00	18.80	81.47
60				Grid and Cloud Computing Laboratory	2.34	2.28	61.60	92.00	94.00	18.60	80.20
61			VIII	Multi – Core Architectures and Programming	2.37	2.32	62.53	93.00	93.00	18.60	81.13
62				Human Computer Interaction	2.46	2.36	64.27	94.00	92.00	18.60	82.87
63				Professional Ethics in Engineering	2.46	2.44	65.33	86.00	85.00	17.10	82.43
64				Project Work	2.48	2.32	64.00	91.00	90.00	18.10	82.10

V. R. Kavitha

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PRATHYUSHA ENGINEERING COLLEGE

DPEARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT FOR COURSES (2014 - 18)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM RESULT)			INDIRECT METHOD (EOC)			OVERALL CO %
					SEC A	SEC B	CO (80%)	SEC A	SEC B	CO (20%)	CO (100%)
1	2014-15	I	I	Technical English – I	2.80	2.81	74.80	95.00	92.00	18.70	93.50
2				MA6151 Mathematics – I	2.48	2.46	65.87	92.00	93.00	18.50	84.37
3				PH6151 Engineering Physics – I	2.86	2.66	73.60	93.00	91.00	18.40	92.00
4				Engineering Chemistry –I	2.44	2.52	66.13	97.00	96.00	19.30	85.43
5				Computer Programming	2.38	2.22	61.33	93.00	92.00	18.50	79.83
6				Engineering Graphics	2.52	2.48	66.67	91.00	95.00	18.60	85.27
7				Computer Practices Laboratory	2.60	2.57	68.93	92.00	92.00	18.40	87.33
8				Engineering Practices Laboratory	2.51	2.48	66.53	93.00	90.00	18.30	84.83
9				Physics and Chemistry Laboratory -I	2.65	2.59	69.87	94.00	92.00	18.60	88.47
10			II	Technical English –II	2.52	2.56	67.73	92.00	91.00	18.30	86.03
11				Mathematics –II	2.96	2.36	70.93	98.60	98.50	19.71	90.64
12				Engineering Physics –II	2.72	2.68	72.00	95.00	90.00	18.50	90.50
13				Engineering Chemistry –II	2.50	2.28	63.73	95.00	97.00	19.20	82.93
14				Digital Principles and System Design	2.52	2.40	65.60	94.00	94.20	18.82	84.42
15				Programming and Data Structures I	2.86	2.60	72.80	91.00	95.40	18.64	91.44
16				Physics and Chemistry Laboratory-II	2.53	2.45	66.40	91.00	98.00	18.90	85.30
17				Digital Laboratory	2.67	2.62	70.53	92.00	95.00	18.70	89.23
18				Programming and Data Structures Laboratory I	2.57	2.52	67.87	93.00	92.00	18.50	86.37
19	2015-16	II	III	Transforms and Partial Differential Equations	2.28	2.24	60.27	91.00	94.00	18.50	78.77
20				Programming and Data Structure II	2.36	2.10	59.47	92.00	95.00	18.70	78.17
21				Database Management Systems	2.28	2.48	63.47	90.00	89.00	17.90	80.27
22				Computer Architecture	2.43	2.53	63.17	86.00	85.00	17.10	83.23
23				Analog and Digital Communication	2.28	2.1	58.40	91.00	90.00	18.10	76.50
24				Environmental Science and Engineering	2.51	2.58	67.87	97.00	96.00	19.30	87.17
25				Programming and Data Structure Laboratory II	2.59	2.62	69.47	90.00	89.00	17.90	87.37
26				Database Management Systems Laboratory	2.70	2.63	71.07	89.00	89.00	17.80	88.87
27			IV	Probability and Queueing Theory	2.28	2.36	61.87	95.00	92.00	18.70	80.57
28				Computer Networks	2.43	2.39	64.27	90.00	89.00	17.90	82.17
29				Operating Systems	2.4	2.32	62.93	94.00	92.00	18.60	81.53
30				Design and Analysis of Algorithms	2.28	2.37	62.00	97.00	89.00	18.60	80.60
31				Microprocessor and Microcontroller	2.22	2.36	61.07	94.00	93.00	18.70	79.77
32				Software Engineering	2.52	2.72	69.87	97.00	93.00	19.00	88.87
33				Networks Laboratory	2.54	2.45	66.53	97.00	91.00	18.80	85.33
34				Microprocessor and Microcontroller Laboratory	2.43	2.38	64.13	94.00	92.00	18.60	82.73
35				Operating Systems Laboratory	2.47	2.53	66.67	90.00	89.00	17.90	84.57
36	2016-17	III	V	Discrete Mathematics	2.10	2.25	58.00	94.00	93.00	18.70	76.70
37				Internet Programming	2.15	2.07	56.27	97.00	96.00	19.30	75.57
38				Object Oriented Analysis and Design	2.30	2.32	61.60	94.00	93.00	18.70	80.30
39				Theory of Computation	2.25	2.46	62.80	93.00	92.00	18.50	81.30
40				Computer Graphics	2.38	2.42	64.00	95.00	92.00	18.70	82.70
41				Case Tools Laboratory	2.32	2.36	62.40	92.00	93.00	18.50	80.90
42				Internet Programming Laboratory	2.30	2.45	63.33	86.00	85.00	17.10	80.43
43				Computer Graphics Laboratory	2.38	2.41	63.87	91.00	90.00	18.10	81.97
44			VI	Distributed Systems	2.42	2.21	61.73	97.00	96.00	19.30	81.03
45				Mobile Computing	2.39	2.26	62.00	93.00	94.00	18.70	80.70
46				Compiler Design	2.37	2.26	61.73	94.00	93.00	18.70	80.43
47				Digital Signal Processing	2.13	2.01	55.20	97.00	96.00	19.30	74.50
48				Artificial Intelligence	2.34	2.26	61.33	94.00	93.00	18.70	80.03
49				Total Quality Management	2.32	2.27	61.20	96.00	92.00	18.80	80.00
50				Mobile Application Development Laboratory	2.47	2.36	64.40	96.00	93.00	18.90	83.30
51				Compiler Laboratory	2.42	2.32	63.20	96.00	94.00	19.00	82.20
52				Communication and Soft Skills - Laboratory	2.36	2.33	62.53	91.00	95.00	18.60	81.13
53	2017-18	IV	VII	Cryptography and Network Security	2.48	2.32	64.00	92.00	92.00	18.40	82.40
54				Graph Theory and Applications	2.43	2.26	62.53	93.00	94.00	18.70	81.23
55				Grid and Cloud Computing	2.22	2.56	63.73	95.00	92.00	18.70	82.43
56				Resource Management Techniques	2.62	2.36	66.40	92.00	93.00	18.50	84.90
57				Service Oriented Architecture	2.39	2.52	65.47	94.00	93	18.70	84.17
58				Information Retrieval	2.28	2.34	61.60	96.00	95	19.10	80.70
59				Security Laboratory	2.52	2.48	66.67	95.00	94	18.90	85.57
60				Grid and Cloud Computing Laboratory	2.57	2.61	69.07	94.00	93	18.70	87.77
61			VIII	Multi – Core Architectures and Programming	2.45	2.35	64.00	93.00	92	18.50	82.50
62				Human Computer Interaction	2.36	2.42	63.73	90.00	89.00	17.90	81.63
63				Professional Ethics in Engineering	2.52	2.56	67.73	86.00	90.00	17.60	85.33
64				Project Work	2.63	2.57	69.33	89.00	89.00	17.80	87.13

V. R. Ka the

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PRATHYUSHA ENGINEERING COLLEGE

DPEARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT FOR COURSES (2013- 17)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM			INDIRECT METHOD (EOC)			OVERALL CO %
					SEC A	SEC B	CO (80%)	SEC A	SEC B	CO (20%)	CO (100%)
1	2013-14	I	I	Technical English – I	2.46	2.58	67.20	93.50	97.00	19.05	86.25
2				MA6151 Mathematics – I	2.1	2	54.67	92.50	91.00	18.35	73.02
3				PH6151 Engineering Physics – I	2.41	2.3	62.80	89.00	92.00	18.10	80.90
4				Engineering Chemistry –I	2.38	2.58	66.13	93.50	92.00	18.55	84.68
5				Computer Programming	2.46	2.58	67.20	91.50	96.00	18.75	85.95
6				Engineering Graphics	2.28	2.4	62.40	94.00	97.00	19.10	81.50
7				Computer Practices Laboratory	2.32	2.36	62.40	94.00	93.00	18.70	81.10
8				Engineering Practices Laboratory	2.3	2.45	63.33	93.00	89.00	18.20	81.53
9				Physics and Chemistry Laboratory -I	2.38	2.41	63.87	93.00	96.00	18.90	82.77
10			II	Technical English –II	2.58	2.46	67.20	92.50	91.00	18.35	85.55
11				Mathematics –II	2.4	2.14	60.53	95.50	95.00	19.05	79.58
12				Engineering Physics –II	2.64	2.52	68.80	96.00	93.00	18.90	87.70
13				Engineering Chemistry –II	2.36	2.34	62.67	90.00	92.00	18.20	80.87
14				Digital Principles and System Design	2.4	2.5	65.33	89.00	93.00	18.20	83.53
15				Programming and Data Structures I	2.28	2.58	64.80	92.00	90.00	18.20	83.00
16				Physics and Chemistry Laboratory-II	2.48	2.32	64.00	91.00	94.00	18.50	82.50
17				Digital Laboratory	2.36	2.24	61.33	92.00	97.00	18.90	80.23
18				Programming and Data Structures Laboratory I	2.42	2.28	62.67	89.00	94.00	18.30	80.97
19	2014-15	II	III	Transforms and Partial Differential Equations	2.34	2.06	58.67	90.00	97.00	18.70	77.37
20				Programming and Data Structure II	2.36	2.24	61.33	93.00	97.00	19.00	80.33
21				Database Management Systems	2.02	2.12	55.68	90.00	91.00	18.10	73.78
22				Computer Architecture	2.64	2.56	69.33	93.00	90.00	18.30	87.63
23				Analog and Digital Communication	2.35	2.5	64.67	91.00	94.00	18.50	83.17
24				Environmental Science and Engineering	2.28	2.44	62.93	89.00	97.00	18.60	81.53
25				Programming and Data Structure Laboratory II	2.52	2.4	65.60	92.00	94.00	18.60	84.20
26				Database Management Systems Laboratory	2.28	2.4	62.40	96.00	91.00	18.70	81.10
27			IV	Probability and Queueing Theory	2.24	2.12	58.13	92.00	95.00	18.70	76.83
28				Computer Networks	2.28	2.64	65.60	95.00	92.00	18.70	84.30
29				Operating Systems	2.32	2.14	59.47	92.00	90.00	18.20	80.57
30				Design and Analysis of Algorithms	2.76	2.22	66.40	92.00	86.00	17.80	84.20
31				Microprocessor and Microcontroller	2.28	2.4	62.40	89.00	89.00	17.80	80.20
32				Software Engineering	2.68	2.54	69.60	91.00	95.00	18.60	88.20
33				Networks Laboratory	2.47	2.36	64.40	89.00	92.00	18.10	82.50
34				Microprocessor and Microcontroller Laboratory	2.42	2.32	63.20	90.00	93.00	18.30	81.50
35				Operating Systems Laboratory	2.36	2.33	62.53	89.00	97.00	18.60	81.13
36	2015-16	III	V	Discrete Mathematics	2.56	2.36	65.60	92.00	93.00	18.50	84.10
37				Internet Programming	2.22	2.34	60.80	95.00	91.00	18.60	79.40
38				Object Oriented Analysis and Design	2.54	2.38	65.60	92.00	92.00	18.40	84.00
39				Theory of Computation	2.58	2.62	69.33	92.00	93.00	18.50	87.83
40				Computer Graphics	2.66	2.52	69.07	94.00	92.00	18.60	87.67
41				Case Tools Laboratory	2.47	2.36	64.40	90.00	89.00	17.90	82.30
42				Internet Programming Laboratory	2.42	2.32	63.20	94.00	92.00	18.60	81.80
43				Computer Graphics Laboratory	2.36	2.33	62.53	97.00	89.00	18.60	81.13
44			VI	Distributed Systems	2.32	2.68	66.67	92.30	93.70	18.6	85.27
45				Mobile Computing	2.46	2.52	66.40	94.2	95.1	18.93	85.33
46				Compiler Design	2.54	2.46	66.67	94.6	95.6	19.02	85.69
47				Digital Signal Processing	2.28	2.4	62.40	90.1	91.2	18.13	80.53
48				Artificial Intelligence	2.6	2.62	69.60	95.2	95.4	19.06	88.66
49				Datamining and Datawarehousing	2.36	2.54	65.33	94.7	94.6	18.93	84.26
50				Mobile Application Development Laboratory	2.47	2.36	64.40	94.7	94.2	18.89	83.29
51				Compiler Laboratory	2.42	2.32	63.20	94.2	95.2	18.94	82.14
52				Communication and Soft Skills - Laboratory	2.36	2.33	62.53	92.6	94.3	18.69	81.22
53	2016-17	IV	VII	Cryptography and Network Security	2.28	2.4	62.40	93.70	91.00	18.47	80.87
54				Graph Theory and Applications	2.16	2.46	61.60	98.00	92.00	19	80.60
55				Grid and Cloud Computing	2.56	2.44	66.67	90.50	91.00	18.15	84.82
56				Resource Management Techniques	2.48	2.24	62.93	95.00	95.00	19	81.93
57				Service Oriented Architecture	2.43	2.12	60.67	97.00	92.00	18.9	79.57
58				Information Retrieval	2.52	2.45	66.27	96.00	93.00	18.9	85.17
59				Security Laboratory	2.3	2.45	63.33	94.00	96.00	19	82.33
60				Grid and Cloud Computing Laboratory	2.38	2.41	63.87	93.00	96.00	18.9	82.77
61			VIII	Multi – Core Architectures and Programming	2.44	2.34	63.73	96.00	97.00	19.3	83.03
62				Human Computer Interaction	2.52	2.48	66.67	93.00	93.00	18.6	85.27
63				Professional Ethics in Engineering	2.38	2.36	63.20	92.00	96.00	18.8	82.00
64				Project Work	2.52	2.34	64.80	92.00	90.00	18.2	83.00

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ECE- 2013- 2017- R-2013 — A

COURSE OUTCOME TARGET

S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs CO1	IATs CO2	IATs CO3	IATs CO4	IATs CO5	ASSIGNMENTS CO1	ASSIGNMENTS CO2	University Exa	CO	Direct CO	Overall CO
1	I	C2013 1 1	HS6151	Technical English – I	Direct	IAT, UNIV	2	2	2	2	2	3	3	2.88	96	2.63	2.62
					Indirect	EOC	2.595										
2	I	C2013 1 2	MA6151	Mathematics – I	Direct	IAT, UNIV	2	1.5	1	2	1.5	3	3	2.88	96	2.51	2.53
					Indirect	EOC	2.6										
3	I	C2013 1 3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.5	2	3	1	2	3	3	3	100	2.73	2.68
					Indirect	EOC	2.5										
4	I	C2013 1 4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2.5	2.3	3	1	1	3	3	2.22	74	2.22	2.27
					Indirect	EOC	2.465										
5	I	C2013 1.5	GE6151	Computer Programming	Direct	IAT, UNIV	3	2.66	2.5	3	3	3	3	2.67	89	2.75	2.77
					Indirect	EOC	2.85										
6	I	C2013 1 6	GE6152	Engineering Graphics	Direct	IAT, UNIV	2.5	2.66	2.5	3	3	3	3	2.1	70	2.38	2.34
					Indirect	EOC	2.17										
7	I	L2013 1 1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
8	I	L2013 1 2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
10	II	C2013 2 1	HS6251	Technical English – II	Direct	IAT, UNIV	1	3	2	1.7	1	3	3	3	100	2.62	2.70
					Indirect	EOC	3										
11	II	C2013 2 2	MA6251	Mathematics – II	Direct	IAT, UNIV	2.5	2.5	3	2	2	3	3	2.87	95.56	2.74	2.69
					Indirect	EOC	2.5										
12	II	C2013 2 3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	3	2.5	3	1	2	3	3	2.93	97.78	2.75	2.72
					Indirect	EOC	2.6										
13	II	C2013 2 4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2	2.5	2	2.5	1.5	3	3	2.8	93.33	2.61	2.49
					Indirect	EOC	2										
14	II	C2013 2 5	EC6201	Electronic Devices	Direct	IAT, UNIV	7	2.66	2.5	3	3	3	3	2.73	91.11	3.03	2.94
					Indirect	EOC	2.6										

15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	2	2.66	2.5	3	3	3	3	2.93	97.78	2.85	2.82
					Indirect	EOC	2.68										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	2.66	2.5	2.5	3	3	3	2.86	95.45	2.84	2.83
					Indirect	EOC	2.8										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	2	2	2.5	1	3	3	3	2.8	93.18	2.61	2.61
					Indirect	EOC	2.6										
21	III	C2013.3.3	EC6301	Object Oriented Programming and Data	Direct	IAT, UNIV	2.5	2	2.5	2.5	3	3	3	2.86	95.45	2.77	2.77
					Indirect	EOC	2.8										
22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	2.67	2.5	2	2	3	3	2.86	95.45	2.75	2.78
					Indirect	EOC	2.91										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.18	72.73	2.48	2.54
					Indirect	EOC	2.78										
24	III	C2013.3.6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	2.5	1.33	1	3	2.5	3	3	2.8	93.18	2.60	2.59
					Indirect	EOC	2.56										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	2.6667	3	3	2.5	3	3	2.3	76.74	2.53	2.57
					Indirect	EOC	2.7										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.72	90.7	2.83	2.84
					Indirect	EOC	2.88										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.65	88.37	2.79	2.83
					Indirect	EOC	2.97										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.79	93.02	2.84	2.87
					Indirect	EOC	2.99										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3	3	3	3	1	3	3	2.37	79.07	2.50	2.59
					Indirect	EOC	2.93										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	2.6667	3	3	2.93	3	3	2.44	81.4	2.64	2.66
					Indirect	EOC	2.73										

34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.96
					Indirect	EOC	2.8										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.95
					Indirect	EOC	2.75										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.58	86.05	2.73	2.75
					Indirect	EOC	2.84										
39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	2.5	2.6667	3	3	3	3	3	2.65	88.37	2.74	2.73
					Indirect	EOC	2.67										
40	V	C2013.5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2.5	2	1	3	2.5	3	3	2.65	88.37	2.55	2.57
					Indirect	EOC	2.65										
41	V	C2013.5.4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.93	97.67	2.94	2.95
					Indirect	EOC	2.99										
42	V	C2013.5.5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.65	88.37	2.79	2.83
					Indirect	EOC	2.98										
43	V	L2013.5.1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
44	V	L2013.5.2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
45	V	L2013.5.3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
47	VI	C2013.6.1	MG6851	Principles of Management	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.94	98	2.93	2.95
					Indirect	EOC	3										
48	VI	C2013.6.2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.73	91	2.84	2.85
					Indirect	EOC	2.9										
49	VI	C2013.6.3	CS6551	Computer Networks	Direct	IAT, UNIV	3	2.5	3	3	3	3	3	2.79	93	2.84	2.87
					Indirect	EOC	2.96										
50	VI	C2013.6.4	EC6601	VLSI Design	Direct	IAT, UNIV	3	2.5	2	2.5	3	3	3	2.79	93	2.75	2.77
					Indirect	EOC	2.84										
51	VI	C2013.6.5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.73	91	2.82	2.81
					Indirect	EOC	2.79										
52	VI	C2013.6.6	EC6001	Medical Electronics-Elective I	Direct	IAT, UNIV	3	3	3	3	1	3	3	2.64	88	2.66	2.69
					Indirect	EOC	2.8										

53	VI	L2013 6 1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	3 00
					Indirect	EOC	3										
54	VI	L2013 6 2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3										
55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	3 00
					Indirect	EOC	3										
57	VII	C2013.7.1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2	2	2.5	2	3	3	3	2 79	93	2 66	2 68
					Indirect	EOC	2 73										
58	VII	C2013 7 2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2 49	83	2 66	2 60
					Indirect	EOC	2 35										
59	VII	C2013.7.3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
60	VII	C2013.7 4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3	3	2	2	3	3	3	2 94	98	2.84	2.85
					Indirect	EOC	2 88										
61	VII	C2013.7.5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3	2 66	3	3	3	3	3	2.7	90	2 80	2.82
					Indirect	EOC	2 9										
62	VII	C2013.7.6	EC6004	Satellite Communication	Direct	IAT, UNIV	3	2 6	2	2 5	3	3	3	2.94	98	2 85	2.85
					Indirect	EOC	2.85										
63	VII	L2013.7.1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100.	3.00	3.00
					Indirect	EOC	3										
64	VII	L2013.7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3.03	101	3.02	3.01
					Indirect	EOC	3										
66	VIII	C2013.8 1	EC6801	Wireless Communication	Direct	IAT, UNIV	3	2 6667	2.5	3	3	3	3	3	100	2 95	2 93
					Indirect	EOC	2 84										
67	VIII	C2013 8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	2.5	2 6667	2.5	3	3	3	3	3	100	2 92	2 84
					Indirect	EOC	2.52										
68	VIII	C2013 8 3	GE6757	Total Quality Management	Direct	IAT, UNIV	2.5	2.6667	2	3	3	3	3	3	100	2 89	2 82
					Indirect	EOC	2 56										
69	VIII	C2013 8 4	GE6075	Professional Ethics in Engineering	Direct	IAT, UNIV	3	2 6667	2	2	3	3	3	3	100	2 86	2 83
					Indirect	EOC	2 7										
70	VIII	L2013 8 1	EC6811	Project Work	Direct	REVIEWS	3	3	3	3	3			3	100	3 00	2 96
					Indirect	EOC	2 8										

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S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs					ASSIGNMENT			University Exam		Overall CO
							CO1	CO2	CO3	CO4	CO5	CO1	CO2		CO	Direct CO	
1	I	C2013.1.1	HS6151	Technical English – I	Direct	IAT, UNIV	3	3	3	1	2	3	3	3	100	2.82	2.79
					Indirect	EOC	2.67										
2	I	C2013.1.2	MA6151	Mathematics – I	Direct	IAT, UNIV	3	2	3	2	2	3	3	2.87	95.65	2.74	2.76
					Indirect	EOC	2.85										
3	I	C2013.1.3	PH6151	Engineenng Physics – I	Direct	IAT, UNIV	3	3	2	2	2	3	3	2.87	95.65	2.74	2.75
					Indirect	EOC	2.76										
4	I	C2013.1.4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	3	2	2	1	1	3	3	2.48	82.61	2.33	2.46
					Indirect	EOC	2.98										
5	I	C2013.1.5	GE6151	Computer Programming	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2.48	82.61	2.60	2.63
					Indirect	EOC	2.76										
6	I	C2013.1.6	GE6152	Engineering Graphics	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2.74	91.3	2.75	2.74
					Indirect	EOC	2.7										
7	I	L2013.1.1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.80
					Indirect	EOC	2										
8	I	L2013.1.2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	6	3	3	3	3	3	3	3	100	3.18	3.11
					Indirect	EOC	2.85										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
10	II	C2013.2.1	HS6251	Technical English – II	Direct	IAT, UNIV	3	2.5	2.667	2.7	2.9	3	3	3	100	2.93	2.91
					Indirect	EOC	2.85										
11	II	C2013.2.2	MA6251	Mathematics – II	Direct	IAT, UNIV	3	2.5	3	2	2.5	3	3	2.88	96	2.81	2.82
					Indirect	EOC	2.85										

12	II	C2013.2.3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2	2.5	3	2	2.5	3	3	2.94	98	2.78	2.80
					Indirect	EOC	2.85										
13	II	C2013.2.4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	3	2	2	1	1	3	3	2.61	87	2.41	2.49
					Indirect	EOC	2.85										
14	II	C2013.2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2.49	83	2.60	2.65
					Indirect	EOC	2.85										
15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2.82	94	2.80	2.81
					Indirect	EOC	2.85										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.68	89.36	2.81	2.82
					Indirect	EOC	2.85										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1	1	2	2	3	3	3	2.87	95.74	2.56	2.62
					Indirect	EOC	2.85										
21	III	C2013.3.3	EC6301	Object Oriented Programming and Data Structures	Direct	IAT, UNIV	2.67	2.5	2.5	2.5	3	3	3	2.87	95.74	2.81	2.82
					Indirect	EOC	2.85										
22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.62	87.23	2.75	2.77
					Indirect	EOC	2.85										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.55	85.11	2.70	2.73
					Indirect	EOC	2.85										
24	III	C2013.3.6	EC6304	Electronic Circuits-I	Direct	IAT, UNIV	2.5	2.33	3	3	2.5	3	3	2.62	87.23	2.67	2.71
					Indirect	EOC	2.85										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										

26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	2.6667	3	3	2.5	3	3	2.35	78.26	2.56	2.62
					Indirect	EOC	2.85										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.61	86.95	2.74	2.76
					Indirect	EOC	2.85										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.67	89.13	2.80	2.81
					Indirect	EOC	2.85										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.54	84.78	2.70	2.73
					Indirect	EOC	2.85										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3	2.6667	3	3	2.93	3	3	2.28	76.09	2.55	2.61
					Indirect	EOC	2.85										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	2.6667	3	3	2.5	3	3	2.54	84.78	2.68	2.71
					Indirect	EOC	2.85										
34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System Laboratory	Direct	IAT, UNIV	3	3	3	3		3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.8	93.48	2.86	2.86
					Indirect	EOC	2.85										
39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.61	86.96	2.75	2.77
					Indirect	EOC	2.85										
40	V	C2013.5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2.5	2.3333	3	3	2.5	3	3	2.67	89.13	2.70	2.73
					Indirect	EOC	2.85										

41	V	C2013.5.4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.93	97.83	2.94	2.92
					Indirect	EOC	2.85										
42	V	C2013.5.5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	2.6667	2.5	3	3	3	3	2.8	93.33	2.83	2.83
					Indirect	EOC	2.85										
43	V	L2013.5.1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
44	V	L2013.5.2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
45	V	L2013.5.3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
47	VI	C2013.6.1	MG6851	Principles of Management	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.94	98	2.93	2.92
					Indirect	EOC	2.85										
48	VI	C2013.6.2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.67	89	2.77	2.79
					Indirect	EOC	2.85										
49	VI	C2013.6.3	CS6551	Computer Networks	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.79	93	2.87	2.82
					Indirect	EOC	2.6										
50	VI	C2013.6.4	EC6601	VLSI Design	Direct	IAT, UNIV	2.5	2.5	2.5	2.5	2	3	3	2.61	87	2.59	2.64
					Indirect	EOC	2.85										
51	VI	C2013.6.5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.61	87	2.74	2.76
					Indirect	EOC	2.85										
52	VI	C2013.6.6		Medical Electronics-Elective I	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.49	83	2.67	2.71
					Indirect	EOC	2.85										
53	VI	L2013.6.1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
54	VI	L2013.6.2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										

55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
57	VII	C2013 7 1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.5	2	2.5	2	3	3	3	2.61	87	2.59	2.64
					Indirect	EOC	2.85										
58	VII	C2013 7 2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	3	3	2.5	1	1	3	3	2.34	78	2.33	2.44
					Indirect	EOC	2.85										
59	VII	C2013 7 3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.88	96	2.90	2.89
					Indirect	EOC	2.85										
60	VII	C2013 7 4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3	2	2	2	3	3	3	2.79	93	2.69	2.73
					Indirect	EOC	2.85										
61	VII	C2013 7.5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	2.5	3	3	3	2.5	3	3	2.73	91	2.78	2.79
					Indirect	EOC	2.85										
62	VII	C2013.7.6	EC6004	Satellite Communication	Direct	IAT, UNIV	2.5	2.66	3	3	3	3	3	2.88	96	2.88	2.87
					Indirect	EOC	2.85										
63	VII	L2013.7.1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
64	VII	L2013.7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.97
					Indirect	EOC	2.85										
66	VIII	C2013.8.1	EC6801	Wireless Communication	Direct	IAT, UNIV	2.5	3	2	3	2.5	3	3	2.79	93	2.75	2.77
					Indirect	EOC	2.85										
67	VIII	C2013.8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.79	93	2.84	2.85
					Indirect	EOC	2.85										
68	VIII	C2013.8.3	GE6757	Total Quality Management	Direct	IAT, UNIV	2.5	3	2	3	2.5	3	3	3	100	2.88	2.87
					Indirect	EOC	2.85										
69	VIII	C2013.8.4	GE6075	Professional Ethics	Direct	IAT, UNIV	3	3	2	3	2.5	3	3	3	100	2.91	2.90
					Indirect	EOC	2.85										
70	VIII	L2013.8.1	EC6811	Project Work	Direct	REVIEWS	2.83	2.75	2.96	2.74	2.63			3	100	2.91	2.93
					Indirect	EOC	3										

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S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs					ASSIGNMENT		University Exa		Direct CO	Overall CO
							CO1	CO2	CO3	CO4	CO5	CO1	CO2		CO		
1	I	C2013.1.1	HS6151	Technical English – I	Direct	IAT, UNIV	3	3	3	1	2	3	3	3	100	1.02	1.41
					Indirect	EOC	2.99										
2	I	C2013.1.2	MA6151	Mathematics – I	Direct	IAT, UNIV	3	2.5	3	2	2	3	3	2.67	88.89	1.05	1.42
					Indirect	EOC	2.87										
3	I	C2013.1.3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.5	2	3	2	2	3	3	2.67	88.89	0.98	1.33
					Indirect	EOC	2.75										
4	I	C2013.1.4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.13	71.11	0.76	1.14
					Indirect	EOC	2.66										
5	I	C2013.1.5	GE6151	Computer Programming	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.47	82.22	1.13	1.50
					Indirect	EOC	2.98										
6	I	C2013.1.6	GE6152	Engineering Graphics	Direct	IAT, UNIV	3	3	2	3	3	3	3	1.8	60	1.13	1.47
					Indirect	EOC	2.85										
7	I	L2013.1.1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3										
8	I	L2013.1.2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.93	97.78	1.20	1.56
					Indirect	EOC	3										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3										
10	II	C2013.2.1	HS6251	Technical English – II	Direct	IAT, UNIV	3	3	3	2.4	3	3	3	3	100	1.16	1.42
					Indirect	EOC	2.5										
11	II	C2013.2.2	MA6251	Mathematics – II	Direct	IAT, UNIV	3	2.5	3	2	2.5	3	3	2.73	91	1.07	1.35
					Indirect	EOC	2.45										
12	II	C2013.2.3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2.5	2	3	1	2	3	3	3	100	0.90	1.27
					Indirect	EOC	2.75										
13	II	C2013.2.4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.85	95	0.76	0.92
					Indirect	EOC	1.56										
14	II	C2013.2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.58	86	1.13	1.41
					Indirect	EOC	2.53										
15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.46	82	1.13	1.48
					Indirect	EOC	2.89										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3										

17	II	L2013.2 2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3										
19	III	C2013.3 1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	3	3	2.5	1	3	3	2.59	86.36	1.10	1.34
					Indirect	EOC	2.3										
20	III	C2013.3 2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1.5	1	2	1	2	3	3	2.39	79.55	0.68	0.89
					Indirect	EOC	1.75										
21	III	C2013.3 3	EC6301	Object Oriented Programming and Data Structures	Direct	IAT, UNIV	1.67	1.5	2	2	2	3	3	2.52	84.09	0.80	0.99
					Indirect	EOC	1.75										
22	III	C2013.3 4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.66	88.64	1.17	1.51
					Indirect	EOC	2.85										
23	III	C2013.3 5	EC6303	Signals and Systems	Direct	IAT, UNIV	1.5	1.5	1.5	1	1	3	3	2.52	84.09	0.65	0.78
					Indirect	EOC	1.3										
24	III	C2013.3 6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	1.5	1.66	1	1	1	3	3	2.52	84.09	0.62	0.74
					Indirect	EOC	1.23										
25	III	L2013.3 1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.93	97.73	1.20	1.56
					Indirect	EOC	3										
26	III	L2013.3 2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3										
28	IV	C2013.4 1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	2.6667	3	3	2.5	3	3	2.28	76.16	1.16	1.49
					Indirect	EOC	2.83										
29	IV	C2013.4 2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.5	83.33	1.20	1.56
					Indirect	EOC	3.00										
30	IV	C2013.4 3	EC6402	Communication Theory	Direct	IAT, UNIV	2.5	3	2.5	2	3	3	3	2.43	80.95	1.05	1.36
					Indirect	EOC	2.60										
31	IV	C2013.4 4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.43	80.95	1.16	1.51
					Indirect	EOC	2.90										
32	IV	C2013.4 5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	2.5	2.3333	2.5	2	2	3	3	2.21	73.81	0.97	1.23
					Indirect	EOC	2.27										
33	IV	C2013.4 6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.5	83.33	1.20	1.56
					Indirect	EOC	3										
34	IV	L2013.1 1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	1.20	1.56
					Indirect	EOC	3										
35	IV	L2013.1 2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	1.20	1.56
					Indirect	EOC	3										
36	IV	L2013.1 3	EE6461	Electrical Engineering and Control System Laboratory	Direct	IAT, UNIV	3	3	3	3		3	3	3	100	1.20	1.56
					Indirect	EOC	3										

38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.64	88.1	1.20	1.56
					Indirect	EOC	3										
39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.5	83.33	1.20	1.56
					Indirect	EOC	3										
40	V	C2013.5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	1.5	2.3333	1	3	1.67	3	3	2.71	90.48	0.84	1.05
					Indirect	EOC	1.90										
41	V	C2013.5.4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
42	V	C2013.5.5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	3	3	2	2	3	3	2.5	83.33	1.09	1.39
					Indirect	EOC	2.60										
43	V	L2013.5.1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
44	V	L2013.5.2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
45	V	L2013.5.3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
47	VI	C2013.6.1	MG6851	Principles of Management	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.94	98	1.18	1.53
					Indirect	EOC	2.90										
48	VI	C2013.6.2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	2.7	90	1.18	1.53
					Indirect	EOC	2.93										
49	VI	C2013.6.3	CS6551	Computer Networks	Direct	IAT, UNIV	3	2.5	2.5	2.5	2	3	3	2.85	95	1.05	1.34
					Indirect	EOC	2.50										
50	VI	C2013.6.4	EC6601	VLSI Design	Direct	IAT, UNIV	3	3	3	2.5	3	3	3	2.58	86	1.16	1.51
					Indirect	EOC	2.90										
51	VI	C2013.6.5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	2.5	2.3333	3	3	3	3	3	2.49	83	1.11	1.44
					Indirect	EOC	2.77										
52	VI	C2013.6.6		Medical Electronics-Elective I	Direct	IAT, UNIV	3	2.6667	2.5	2	2	3	3	2.58	86	1.03	1.31
					Indirect	EOC	2.43										
53	VI	L2013.6.1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
54	VI	L2013.6.2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
55	VI	L2013.6.3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
57	VII	C2013.7.1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2	2	2.5	2	3	3	3	2.58	86	0.94	1.21
					Indirect	EOC	2.30										

58	VII	C2013.7.2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.37	79	1.20	1.56
					Indirect	EOC	3.00										
59	VII	C2013.7.3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.85	95	1.20	1.56
					Indirect	EOC	3.00										
60	VII	C2013.7.4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3	2.5	2	2.5	3	3	3	2.49	83	1.05	1.36
					Indirect	EOC	2.60										
61	VII	C2013.7.5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.7	90	1.20	1.56
					Indirect	EOC	3.00										
62	VII	C2013.7.6	EC6004	Satellite Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.85	95	1.20	1.56
					Indirect	EOC	3.00										
63	VII	L2013.7.1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
64	VII	L2013.7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	1.56
					Indirect	EOC	3.00										
66	VIII	C2013.8.1	EC6801	Wireless Communication	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.79	93	1.13	1.46
					Indirect	EOC	2.80										
67	VIII	C2013.8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	3	3	2.5	3	3	3	3	2.94	98	1.16	1.51
					Indirect	EOC	2.90										
68	VIII	C2013.8.3	GE6757	Total Quality Management	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.94	98	1.13	1.46
					Indirect	EOC	2.80										
69	VIII	C2013.8.4	GE6075	Professional Ethics	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	1.13	1.46
					Indirect	EOC	2.80										
70	VIII	L2013.8.1	EC6811	Project Work	Direct	REVIEWS	3	3	3	3	3			3	100	1.20	1.56
					Indirect	EOC	3										

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PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF ECE- 2013- 2017-D SECTION

S.No	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs					Assignment			University Exam	Direct CO	Overall CO
							CO1	CO2	CO3	CO4	CO5	CO1	CO2		CO		
1	I	C2013 1 1	HS6151	Technical English – I	Direct	IAT, UNIV	3	2	3	2	1	3	3	2.9376	97.92	2.72	2.18
					Indirect	EOC	2.2										
2	I	C2013 1 2	MA6151	Mathematics – I	Direct	IAT, UNIV	2.5	2	3	2	2	3	3	2.8125	93.75	2.68	2.14
					Indirect	EOC	2.3										
3	I	C2013 1 3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.5	2	3	2	2	3	3	2.9376	97.92	2.75	2.20
					Indirect	EOC	2.3										
4	I	C2013 1 4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2	2	3	1	1	3	3	2.3751	79.17	2.27	1.81
					Indirect	EOC	1.8										
5	I	C2013 1 5	GE6151	Computer Programming	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.5626	85.42	2.68	2.14
					Indirect	EOC	2.8										
6	I	C2013 1 6	GE6152	Engineering Graphics	Direct	IAT, UNIV	3	3	2	3	3	3	3	1.9374	64.58	2.30	1.84
					Indirect	EOC	2.8										
7	I	L2013.1 1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
8	I	L2013 1 2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
10	II	C2013.2 1	HS6251	Technical English – II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
11	II	C2013 2 2	MA6251	Mathematics – II	Direct	IAT, UNIV	2.5	2.5	3	2	2.5	3	3	2.94	98	2.81	2.25
					Indirect	EOC	2.5										
12	II	C2013 2 3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2	2.5	3	2	2	3	3	3	100	2.79	2.23
					Indirect	EOC	2.3										
13	II	C2013 2 4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2	2.5	2	2.5	1.5	3	3	3	100	2.73	2.18
					Indirect	EOC	2.1										
14	II	C2013 2 5	EC6201	Electronic Devices	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	2.94	2.35
					Indirect	EOC	2.8										
15	II	C2013 2 6	EE6201	Circuit Theory	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.94	98	2.90	2.32
					Indirect	EOC	2.8										
16	II	L2013.2 1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										

17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.8722	95.74	2.90	2.32
					Indirect	EOC	2.9										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1.5	1	2	1.5	2	3	3	2.9361	97.87	2.54	2.03
					Indirect	EOC	1.6										
21	III	C2013.3.3	EC6301	Object Oriented Programming and Data	Direct	IAT, UNIV	3	2	2.5	3	3	3	3	2.6808	89.36	2.72	2.17
					Indirect	EOC	2.7										
22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	3	3	1.5	1	1	3	3	2.4255	80.85	2.33	1.86
					Indirect	EOC	1.9										
24	III	C2013.3.6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	1.5	1.66	1	1	1.5	3	3	2.8086	93.62	2.38	1.91
					Indirect	EOC	1.3										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.8086	93.62	2.89	2.31
					Indirect	EOC	3.0										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.6808	89.36	2.81	2.25
					Indirect	EOC	3.0										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.7447	91.49	2.85	2.28
					Indirect	EOC	3.0										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.7447	91.49	2.85	2.28
					Indirect	EOC	3.0										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3	2.33	2	2	3	3	3	2.4255	80.85	2.50	2.00
					Indirect	EOC	2.5										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.6169	87.23	2.77	2.22
					Indirect	EOC	3.0										
34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3		3		3	3	2.9361	97.87	2.96	2.37
					Indirect	EOC	3.0										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3		3		3	3	2.9361	97.87	2.96	2.37
					Indirect	EOC	3.0										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System	Direct	IAT, UNIV	3	3	3	3		3	3	2.9361	97.87	2.96	2.37
					Indirect	EOC	3.0										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.8086	93.62	2.89	2.31
					Indirect	EOC	3.0										

39	V	C2013 5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.6808	89.36	2.81	2.25
					Indirect	EOC	3.0										
40	V	C2013 5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2	2.67	1	3	2.5	3	3	2.8086	93.62	2.66	2.12
					Indirect	EOC	2.2										
41	V	C2013 5.4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.9361	97.87	2.96	2.37
					Indirect	EOC	3.0										
42	V	C2013 5.5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.8722	95.74	2.92	2.34
					Indirect	EOC	3.0										
43	V	L2013 5.1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
44	V	L2013 5.2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
45	V	L2013 5.3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
47	VI	C2013 6.1	MG6851	Principles of Management	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.88	96	2.90	2.32
					Indirect	EOC	2.9										
48	VI	C2013 6.2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.94	98	2.96	2.37
					Indirect	EOC	3.0										
49	VI	C2013 6.3	CS6551	Computer Networks	Direct	IAT, UNIV	3	2.5	3	3	3	3	3	2.67	89	2.77	2.22
					Indirect	EOC	2.9										
50	VI	C2013 6.4	EC6601	VLSI Design	Direct	IAT, UNIV	3	3	3	2.5	3	3	3	2.73	91	2.81	2.25
					Indirect	EOC	2.9										
51	VI	C2013 6.5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.82	94	2.89	2.31
					Indirect	EOC	3.0										
52	VI	C2013 6.6	EC 6001	Medical Electronics-Elective 1	Direct	IAT, UNIV	3	2.33	2	2	3	3	3	2.67	89	2.64	2.11
					Indirect	EOC	2.5										
53	VI	L2013 6.1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
54	VI	L2013 6.2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
55	VI	L2013 6.3	GE6674	Communication and Soft Skills - Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
57	VII	C2013 7.1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.5	2	2.5	2	3	3	3	2.79	93	2.69	2.16
					Indirect	EOC	2.4										
58	VII	C2013 7.2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	1.5	1.5	1.5	3	1	3	3	2.67	89	2.41	1.93
					Indirect	EOC	1.7										
59	VII	C2013 7.3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.94	98	2.96	2.37
					Indirect	EOC	3.0										

60	VII	C2013 7 4	EC6011	Electromagnetic Inteference and	Direct	IAT, UNIV	3	2.5	3	2	3	3	3	2.88	96	2.84	2.27
					Indirect	EOC	2.7										
61	VII	C2013 7 5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.88	96	2.93	2.34
					Indirect	EOC	3.0										
62	VII	C2013 7 6	EC6004	Satellite Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
63	VII	L2013 7 1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
64	VII	L2013 7 2	EC6712	Optical and Microwave La boratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC	3.0										
66	VIII	C2013 8 1	EC6801	Wireless Communication	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	2.94	2.35
					Indirect	EOC	2.8										
67	VIII	C2013 8 2	EC6802	Wireless Networks	Direct	IAT, UNIV	3	2.67	3	2	2	3	3	3	100	2.86	2.29
					Indirect	EOC	2.5										
68	VIII	C2013 8 3	GE 6757	Total Quality Management	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2.40
					Indirect	EOC											
69	VIII	C2013 8 4	GE 6075	Professional Ethics	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	2.94	2.35
					Indirect	EOC	2.86										
70	VIII	L2013 8 1	EC6811	Project Work	Direct	REVIEWS	3	3	3	3	3			3	100	3.00	2.99
					Indirect	EOC	2.95										

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ECE- 2014-18-R 2013-A Section

COURSE OUTCOME TARGET:65% of students will get above 60%							IATs					ASSIGNMENTS		University Exam		Direct CO	Overall CO
S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO			
1	I	C2013.1.1	HS6151	Technical English – I	Direct	IAT, UNIV	2.00	2.00	2.00	2.00	2.00	3	3	3	100	2.70	2.56
					Indirect	EOC	2.00										
2	I	C2013.1.2	MA6151	Mathematics – I	Direct	IAT, UNIV	2.00	1.50	1.00	2.00	1.50	3	3	2.9	98	2.54	2.36
					Indirect	EOC	1.60										
3	I	C2013.1.3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.50	2.00	3.00	1.00	2.00	3	3	2.9	95	2.64	2.53
					Indirect	EOC	2.10										
4	I	C2013.1.4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2.50	2.30	3.00	1.00	1.00	3	3	3	100	2.69	2.54
					Indirect	EOC	1.96										
5	I	C2013.1.5	GE6151	Computer Programming	Direct	IAT, UNIV	3.00	2.66	2.50	3.00	3.00	3	3	3	100	2.95	2.93
					Indirect	EOC	2.83										
6	I	C2013.1.6	GE6152	Engineering Graphics	Direct	IAT, UNIV	2.50	2.66	2.50	3.00	3.00	3	3	3	100	2.92	2.88
					Indirect	EOC	2.73										
7	I	L2013.1.1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
8	I	L2013.1.2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
10	II	C2013.2.1	HS6251	Technical English – II	Direct	IAT, UNIV	1.00	3.00	2.00	1.70	1.00	3	3	3	100	2.62	2.45
					Indirect	EOC	1.74										
11	II	C2013.2.2	MA6251	Mathematics – II	Direct	IAT, UNIV	2.50	2.50	3.00	2.00	2.00	3	3	2.9	95	2.73	2.66
					Indirect	EOC	2.40										
12	II	C2013.2.3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	3.00	2.50	3.00	1.00	2.00	3	3	2.9	98	2.75	2.66
					Indirect	EOC	2.30										
13	II	C2013.2.4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2.00	2.50	2.00	2.50	1.50	3	3	2.9	98	2.69	2.58
					Indirect	EOC	2.10										
14	II	C2013.2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	2.00	2.66	2.50	3.00	3.00	3	3	2.5	83	2.58	2.59
					Indirect	EOC	2.63										
15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	2.00	2.66	2.50	3.00	3.00	3	3	2.6	88	2.67	2.67
					Indirect	EOC	2.63										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3.00	2.66	2.50	2.50	3.00	3	3	2.6	87.8	2.70	2.71
					Indirect	EOC	2.73										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	2.00	2.00	2.50	1.00	3.00	3	3	2.6	85.37	2.47	2.39
					Indirect	EOC	2.10										
21	III	C2013.3.3	EC6301	Object Onented Programming and Data Structures	Direct	IAT, UNIV	2.50	2.00	2.50	2.50	3.00	3	3	2.3	75.61	2.41	2.43
					Indirect	EOC	2.50										

22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3.00	2.67	2.50	2.00	2.00	3	3	2.3	75.61	2.39	2.40
					Indirect	EOC	2.43										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	2.50	3.00	3.00	3.00	3.00	3	3	2.5	82.93	2.66	2.71
					Indirect	EOC	2.90										
24	III	C2013.3.6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	2.50	1.33	1.00	3.00	2.50	3	3	1.9	63.41	2.06	2.06
					Indirect	EOC	2.07										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	2.50	3	3	2	68	2.37	2.47
					Indirect	EOC	2.83										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.4	80	2.64	2.71
					Indirect	EOC	3.00										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.8	93	2.87	2.90
					Indirect	EOC	3.00										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.50	3.00	3.00	3.00	3.00	3	3	2.2	73	2.48	2.57
					Indirect	EOC	2.90										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	1.00	3	3	2	66	2.27	2.33
					Indirect	EOC	2.60										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	2.93	3	3	2.2	73	2.49	2.58
					Indirect	EOC	2.92										
34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3.00	3.00		3.00		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3.00	3.00		3.00		3	3	2.3	78	2.60	2.68
					Indirect	EOC	3.00										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System	Direct	IAT, UNIV	3.00	3.00	3.00	3.00		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	3.00	3	3	2.9	95	2.89	2.90
					Indirect	EOC	2.93										
39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	2.50	2.67	3.00	3.00	3.00	3	3	3	100	2.95	2.93
					Indirect	EOC	2.83										
40	V	C2013.5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2.50	2.00	1.00	3.00	2.50	3	3	2.7	90	2.58	2.50
					Indirect	EOC	2.20										
41	V	C2013.5.4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	3.00	3	3	2.9	98	2.94	2.94
					Indirect	EOC	2.93										
42	V	C2013.5.5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.9	95	2.91	2.93
					Indirect	EOC	3.00										
43	V	L2013.5.1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00		3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
44	V	L2013.5.2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00		3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
45	V	L2013.5.3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
47	VI	C2013.6.1	MG6851	Principles of Management	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	2.50	3	3	3	100	2.97	2.96
					Indirect	EOC	2.90										

48	VI	C2013.6.2	CS6303	Computer Architecture	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.9	98	2.96	2.97
					Indirect	EOC	3.00										
49	VI	C2013.6.3	CS6551	Computer Networks	Direct	IAT, UNIV	3.00	2.50	3.00	3.00	3.00	3	3	3	100	2.97	2.96
					Indirect	EOC	2.90										
50	VI	C2013.6.4	EC6601	VLSI Design	Direct	IAT, UNIV	3.00	2.50	2.00	2.50	3.00	3	3	3	100	2.88	2.82
					Indirect	EOC	2.60										
51	VI	C2013.6.5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	3.00	3	3	3	100	2.98	2.97
					Indirect	EOC	2.93										
52	VI	C2013.6.6	EC6001	Medical Electronics-Elective I	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	1.00	3	3	3	100	2.88	2.82
					Indirect	EOC	2.60										
53	VI	L2013.6.1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
54	VI	L2013.6.2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
55	VI	L2013.6.3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
57	VII	C2013.7.1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.00	2.00	2.50	2.00	3.00	3	3	2.9	95	2.70	2.62
					Indirect	EOC	2.30										
58	VII	C2013.7.2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	2.50	3.00	3.00	3.00	3.00	3	3	2.6	85	2.70	2.74
					Indirect	EOC	2.90										
59	VII	C2013.7.3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.6	88	2.78	2.83
					Indirect	EOC	3.00										
60	VII	C2013.7.4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3.00	3.00	2.00	2.00	3.00	3	3	2.4	80	2.52	2.54
					Indirect	EOC	2.60										
61	VII	C2013.7.5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3.00	2.66	3.00	3.00	3.00	3	3	2.8	93	2.85	2.87
					Indirect	EOC	2.93										
62	VII	C2013.7.6	EC6004	Satellite Communication	Direct	IAT, UNIV	3.00	2.60	2.00	2.50	3.00	3	3	2.9	95	2.80	2.76
					Indirect	EOC	2.62										
63	VII	L2013.7.1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
64	VII	L2013.7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
66	VIII	C2013.8.1	EC6801	Wireless Communication	Direct	IAT, UNIV	3.00	2.67	2.50	3.00	3.00	3	3	2.9	95	2.86	2.85
					Indirect	EOC	2.83										
67	VIII	C2013.8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	2.50	2.67	2.50	3.00	3.00	3	3	3	100	2.92	2.88
					Indirect	EOC	2.73										
68	VIII	C2013.8.3	GE6757	Total Quality Management	Direct	IAT, UNIV	2.50	2.67	2.00	3.00	3.00	3	3	3	100	2.89	2.84
					Indirect	EOC	2.63										
69	VIII	C2013.8.4	GE6075	Professional Ethics in Engineering	Direct	IAT, UNIV	3.00	2.67	2.00	2.00	3.00	3	3	3	100	2.86	2.79
					Indirect	EOC	2.53										
70	VIII	L2013.8.1	EC6811	Project Work	Direct	REVIEWS	3.00	3.00	3.00	3.00	3.00			3	100	3.00	3.00
					Indirect	EOC	3.00										

HOD

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF ECE- 2014-18-R-2013 - B Section

ESTD. 2001

COURSE OUTCOME TARGET:65% of students will get above 60%

S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs					ASSIGNMENT		University Exam		Direct CO	Overall CO
							CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO			
1	I	C2013.1.1	HS6151	Technical English – I	Direct	IAT, UNIV	3	3	3	1	2	3	3	3	100	2.82	2.74
					Indirect	EOC	2.40										
2	I	C2013.1.2	MA6151	Mathematics – I	Direct	IAT, UNIV	3	2	3	2	2	3	3	2.7	89.6	2.63	2.59
					Indirect	EOC	2.40										
3	I	C2013.1.3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	3	3	2	2	2	3	3	2.6	87.23	2.59	2.55
					Indirect	EOC	2.40										
4	I	C2013.1.4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	3	2	2	1	1	3	3	3	100	2.64	2.47
					Indirect	EOC	1.80										
5	I	C2013.1.5	GE6151	Computer Programming	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2.8	93.75	2.80	2.78
					Indirect	EOC	2.70										
6	I	C2013.1.6	GE6152	Engineering Graphics	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	3	100	2.91	2.87
					Indirect	EOC	2.70										
7	I	L2013.1.1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
8	I	L2013.1.2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
10	II	C2013.2.1	HS6251	Technical English – II	Direct	IAT, UNIV	3	2.5	2.7	2.7	2.9	3	3	2.9	97.78	2.89	2.86
					Indirect	EOC	2.75										
11	II	C2013.2.2	MA6251	Mathematics – II	Direct	IAT, UNIV	3	2.5	3	2	2.5	3	3	2.7	88.89	2.68	2.66
					Indirect	EOC	2.60										
12	II	C2013.2.3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2	2.5	3	2	2.5	3	3	3	100	2.82	2.74
					Indirect	EOC	2.40										
13	II	C2013.2.4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	3	2	2	1	1	3	3	2.9	97.78	2.60	2.44
					Indirect	EOC	1.80										
14	II	C2013.2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2.4	80	2.55	2.58
					Indirect	EOC	2.70										
15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2.5	84.44	2.63	2.64
					Indirect	EOC	2.70										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										

19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.6	86.4	2.76	2.80
					Indirect	EOC	3.00										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1	1	2	2	3	3	3	2	65.9	2.03	1.98
					Indirect	EOC	1.80										
21	III	C2013.3.3	EC6301	Object Oriented Programming and Data Structures	Direct	IAT, UNIV	2.7	2.5	2.5	2.5	3	3	3	2.3	75	2.44	2.48
					Indirect	EOC	2.63										
22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.3	77.3	2.57	2.64
					Indirect	EOC	2.93										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.3	77.3	2.56	2.63
					Indirect	EOC	2.90										
24	III	C2013.3.6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	2.5	2.33	3	3	2.5	3	3	2	68.2	2.33	2.40
					Indirect	EOC	2.67										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	2.67	3	3	2.5	3	3	2.5	82	2.63	2.67
					Indirect	EOC	2.83										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.2	73	2.48	2.57
					Indirect	EOC	2.90										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.5	84	2.71	2.77
					Indirect	EOC	3.00										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.1	70	2.43	2.52
					Indirect	EOC	2.90										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3	2.67	3	3	2.9	3	3	1.4	48	2.04	2.22
					Indirect	EOC	2.92										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	2.67	3	3	2.5	3	3	2.5	84	2.66	2.70
					Indirect	EOC	2.83										
34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System Laboratory	Direct	IAT, UNIV	3	3	3	3		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3	2.67	3	3	3	3	3	3	100	2.98	2.97
					Indirect	EOC	2.93										
39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3	2.67	3	3	3	3	3	2.7	91	2.82	2.84
					Indirect	EOC	2.93										
40	V	C2013.5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2.5	2.33	3	3	2.5	3	3	2.8	93	2.77	2.75
					Indirect	EOC	2.67										
					Direct	IAT, UNIV	3	2.67	3	3	3						

41	V	C2013 5 4	GE6351	Environmental Science and Engineering	Indirect	EOC	2.93					3	3	2.9	93	2.93	2.93
42	V	C2013 5 5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	2.67	2.5	3	3	3	3	3	100	2.95	2.93
					Indirect	EOC	2.83										
43	V	L2013 5 1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
44	V	L2013 5 2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
45	V	L2013 5 3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
47	VI	C2013 6 1	MG6851	Principles of Management	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	3	100	2.97	2.96
					Indirect	EOC	2.90										
48	VI	C2013 6 2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.9	95	2.88	2.88
					Indirect	EOC	2.90										
49	VI	C2013 6 3	CS6551	Computer Networks	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.9	98	2.96	2.97
					Indirect	EOC	3.00										
50	VI	C2013 6 4	EC6601	VLSI Design	Direct	IAT, UNIV	2.5	2.5	2.5	2.5	2	3	3	3	100	2.82	2.74
					Indirect	EOC	2.40										
51	VI	C2013 6 5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	3	100	2.97	2.96
					Indirect	EOC	2.90										
52	VI	C2013 6 6	EC6001	Medical Electronics-Elective I	Direct	IAT, UNIV	3	2.67	3	3	3	3	3	2.9	98	2.94	2.94
					Indirect	EOC	2.93										
53	VI	L2013 6 1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
54	VI	L2013 6 2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
57	VII	C2013 7 1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.5	2	2.5	2	3	3	3	2.6	86	2.57	2.53
					Indirect	EOC	2.40										
58	VII	C2013 7 2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	3	3	2.5	1	1	3	3	2.5	82	2.41	2.34
					Indirect	EOC	2.10										
59	VII	C2013 7 3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.5	82	2.65	2.70
					Indirect	EOC	2.90										
60	VII	C2013 7 4	EC6011	Electromagnetic Intefference and Compatibility	Direct	IAT, UNIV	3	2	2	2	3	3	3	2.2	73	2.33	2.35
					Indirect	EOC	2.40										
61	VII	C2013 7 5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	2.5	3	3	3	2.5	3	3	3	100	2.94	2.91
					Indirect	EOC	2.80										
62	VII	C2013 7 6	EC6004	Satellite Communication	Direct	IAT, UNIV	2.5	2.66	3	3	3	3	3	2.3	75	2.50	2.57
					Indirect	EOC	2.83										
63	VII	L2013 7 1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										

64	VII	L2013 7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
66	VIII	C2013 8.1	EC6801	Wireless Communication	Direct	IAT, UNIV	2.5	3	2	3	2.5	3	3	2.7	90.91	2.72	2.69
					Indirect	EOC	2.60										
67	VIII	C2013 8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	100	2.97	2.96
					Indirect	EOC	2.90										
68	VIII	C2013 8 3	GE6757	Total Quality Management	Direct	IAT, UNIV	2.5	3	2	3	2.5	3	3	2.8	93.18	2.76	2.73
					Indirect	EOC	2.60										
69	VIII	C2013.8 4	GE6075	Professional Ethics	Direct	IAT, UNIV	3	3	2	3	2.5	3	3	3	100	2.91	2.87
					Indirect	EOC	2.70										
70	VIII	L2013 8.1	EC6811	Project Work	Direct	REVIEWS	2.8	2.75	3	2.7	2.6			3	100	2.91	2.93
					Indirect	EOC	3										

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ECE- 2014-18-R-2013-C Section

COURSE OUTCOME TARGET:65% of students will get above 60%							IATs					ASSIGNMENT			University Exam	Direct CO	Overall CO
S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	CO1	CO2	CO3	CO4	CO5	CO1	CO2		CO		
1	I	C2013.1.1	HS6151	Technical English – I	Direct	IAT, UNIV	3	3	3	1	2	3	3	3	100	2.85	2.76
					Indirect	EOC	2.40										
2	I	C2013.1.2	MA6151	Mathematics – I	Direct	IAT, UNIV	3	2.5	3	2	2	3	3	2.7	90.91	2.72	2.68
					Indirect	EOC	2.50										
3	I	C2013.1.3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.5	2	3	2	2	3	3	2.9	95.45	2.73	2.64
					Indirect	EOC	2.30										
4	I	C2013.1.4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2	2	2	1	1	3	3	3	100	2.63	2.42
					Indirect	EOC	1.60										
5	I	C2013.1.5	GE6151	Computer Programming	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.9	97.73	2.88	2.87
					Indirect	EOC	2.80										
6	I	C2013.1.6	GE6152	Engineering Graphics	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.9	95.45	2.84	2.83
					Indirect	EOC	2.80										
7	I	L2013.1.1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
8	I	L2013.1.2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
10	II	C2013.2.1	HS6251	Technical English – II	Direct	IAT, UNIV	3	3	3	2.4	3	3	3	3	100	2.96	2.94
					Indirect	EOC	2.88										
11	II	C2013.2.2	MA6251	Mathematics – II	Direct	IAT, UNIV	3	2.5	3	2	2.5	3	3	3	100	2.89	2.83
					Indirect	EOC	2.60										
12	II	C2013.2.3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2.5	2	3	1	2	3	3	3	100	2.74	2.61
					Indirect	EOC	2.10										
13	II	C2013.2.4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.9	97.67	2.58	2.39
					Indirect	EOC	1.60										
14	II	C2013.2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.9	95.35	2.84	2.83
					Indirect	EOC	2.80										
15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.4	81.4	2.59	2.63
					Indirect	EOC	2.80										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										

17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	3	3	2.5	1	3	3	2.9	95.35	2.88	2.80
					Indirect	EOC	2.50										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1.5	1	2	1	2	3	3	2.9	95.35	2.43	2.24
					Indirect	EOC	1.50										
21	III	C2013.3.3	EC6301	Object Oriented Programming and Data	Direct	IAT, UNIV	1.67	1.5	2	2	2	3	3	2.7	88.37	2.43	2.31
					Indirect	EOC	1.83										
22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	3	100	2.97	2.97
					Indirect	EOC	2.93										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	1.5	1.5	1.5	1	1	3	3	2.9	95.35	2.43	2.20
					Indirect	EOC	1.30										
24	III	C2013.3.6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	1.5	1.66	1	1	1	3	3	2.4	81.4	2.15	1.97
					Indirect	EOC	1.23										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	2.67	3	3	2.5	3	3	2.6	88	2.76	2.77
					Indirect	EOC	2.83										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.7	91	2.84	2.87
					Indirect	EOC	3.00										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	2.5	3	2.5	2	3	3	3	3	100	2.85	2.80
					Indirect	EOC	2.60										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	2.5	84	2.67	2.72
					Indirect	EOC	2.90										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	2.5	2.33	2.5	2	2	3	3	2	67	2.21	2.22
					Indirect	EOC	2.27										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.9	95	2.91	2.93
					Indirect	EOC	3.00										
34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										

39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
40	V	C2013.5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	1.5	2.33	1	3	1.7	3	3	2.9	98	2.65	2.50
					Indirect	EOC	1.90										
41	V	C2013.5.4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
42	V	C2013.5.5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	3	3	2	2	3	3	3	100	2.93	2.86
					Indirect	EOC	2.60										
43	V	L2013.5.1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
44	V	L2013.5.2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
45	V	L2013.5.3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
47	VI	C2013.6.1	MG6851	Principles of Management	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	3	100	3.00	2.98
					Indirect	EOC	2.90										
48	VI	C2013.6.2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	2.67	3	3	3	3	3	3	100	2.98	2.97
					Indirect	EOC	2.93										
49	VI	C2013.6.3	CS6551	Computer Networks	Direct	IAT, UNIV	3.00	2.50	2.50	2.50	###	3	3	2.9	98	2.85	2.78
					Indirect	EOC	2.50										
50	VI	C2013.6.4	EC6601	VLSI Design	Direct	IAT, UNIV	3	3	3	2.5	3	3	3	3	100	2.96	2.95
					Indirect	EOC	2.90										
51	VI	C2013.6.5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	2.5	2.33	3	3	3	3	3	2.9	98	2.88	2.85
					Indirect	EOC	2.77										
52	VI	C2013.6.6		Medical Electronics-Elective I	Direct	IAT, UNIV	3	2.67	2.5	2	2	3	3	3	100	2.86	2.78
					Indirect	EOC	2.43										
53	VI	L2013.6.1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
54	VI	L2013.6.2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
55	VI	L2013.6.3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
57	VII	C2013.7.1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2	2	2.5	2	3	3	3	3	100	2.74	2.65
					Indirect	EOC	2.30										
58	VII	C2013.7.2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.8	93	2.87	2.90
					Indirect	EOC	3.00										

59	VII	C2013.7.3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.9	95	2.91	2.93
					Indirect	EOC	3.00										
60	VII	C2013.7.4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3	2.5	2	2.5	3	3	3	2.5	83	2.54	2.56
					Indirect	EOC	2.60										
61	VII	C2013.7.5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
62	VII	C2013.7.6	EC6004	Satellite Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
63	VII	L2013.7.1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
64	VII	L2013.7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
66	VIII	C2013.8.1	EC6801	Wireless Communication	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	2.93	2.90
					Indirect	EOC	2.80										
67	VIII	C2013.8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	3	3	2.5	3	3	3	3	3	100	2.96	2.95
					Indirect	EOC	2.90										
68	VIII	C2013.8.3	GE6757	Total Quality Management	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	2.93	2.90
					Indirect	EOC	2.80										
69	VIII	C2013.8.4	GE6075	Professional Ethics	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	2.93	2.90
					Indirect	EOC	2.80										
70	VIII	L2013.8.1	EC6811	Project Work	Direct	REVIEWS	3	3	3	3	3			3	100	3.00	3.00
					Indirect	EOC	3.00										

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ECE- 2014-18-R 2013-D Section

COURSE OUTCOME TARGET:65% of students will get above 60%

S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs					Assignment		University Exam			Direct CO	Overall CO
							CO1	CO2	CO3	CO4	CO5	CO1	CO2		CO	Direct CO		
1	I	C2013 1 1	HS6151	Technical English – I	Direct	IAT, UNIV	3.00	2.00	3.00	2.00	1.00	3.00	3.00	3.00	100.00	2.78	2.76	2.21
					Indirect	EOC			2.20									
2	I	C2013 1 2	MA6151	Mathematics – I	Direct	IAT, UNIV	2.50	2.00	3.00	2.00	2.00	3.00	3.00	2.80	93.33	2.66	2.67	2.14
					Indirect	EOC			2.30									
3	I	C2013 1 3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.50	2.00	3.00	2.00	2.00	3.00	3.00	2.93	97.78	2.74	2.75	2.20
					Indirect	EOC			2.30									
4	I	C2013 1 4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2.00	2.00	3.00	1.00	1.00	3.00	3.00	2.73	91.11	2.47	2.48	1.98
					Indirect	EOC			1.80									
5	I	C2013 1 5	GE6151	Computer Programming	Direct	IAT, UNIV	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	100.00	2.93	2.94	2.35
					Indirect	EOC			2.80									
6	I	C2013 1 6	GE6152	Engineering Graphics	Direct	IAT, UNIV	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	100.00	2.93	2.94	2.35
					Indirect	EOC			2.80									
7	I	L2013 1 1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
8	I	L2013 1 2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
9	I	L2013 1 3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
10	II	C2013 2 1	HS6251	Technical English – II	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
11	II	C2013 2 2	MA6251	Mathematics – II	Direct	IAT, UNIV	2.50	2.50	3.00	2.00	2.50	3.00	3.00	2.79	93.02	2.71	2.72	2.18
					Indirect	EOC			2.50									
12	II	C2013 2 3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2.00	2.50	3.00	2.00	2.00	3.00	3.00	2.93	97.67	2.74	2.75	2.20
					Indirect	EOC			2.30									
13	II	C2013 2 4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2.00	2.50	2.00	2.50	1.50	3.00	3.00	3.00	100.00	2.73	2.73	2.18
					Indirect	EOC			2.10									
14	II	C2013 2 5	EC6201	Electronic Devices	Direct	IAT, UNIV	3.00	3.00	2.00	3.00	3.00	3.00	3.00	2.79	93.02	2.80	2.81	2.25
					Indirect	EOC			2.80									
15	II	C2013 2 6	EE6201	Circuit Theory	Direct	IAT, UNIV	3.00	3.00	2.00	3.00	3.00	3.00	3.00	2.58	86.05	2.67	2.69	2.15
					Indirect	EOC			2.80									
16	II	L2013 2 1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
17	II	L2013 2 2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
19	III	C2013 3 1	MA6351	Transforms and Partial Differential Equatio	Direct	IAT, UNIV	3.00	2.66	3.00	3.00	3.00	3.00	3.00	2.50	83.30	2.67	2.68	2.14
					Indirect	EOC			2.93									
20	III	C2013 3 2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1.50	1.00	2.00	1.50	2.00	3.00	3.00	2.71	90.40	2.34	2.41	1.93
					Indirect	EOC			1.60									
21	III	C2013 3 3	EC6301	Object Oriented Programming and Dat	Direct	IAT, UNIV	3.00	2.00	2.50	3.00	3.00	3.00	3.00	2.50	83.30	2.59	2.61	2.09
					Indirect	EOC			2.70									
22	III	C2013 3 4	EC6302	Digital Electronics	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.71	90.40	2.83	2.83	2.26
					Indirect	EOC			3.00									
23	III	C2013 3 5	EC6303	Signals and Systems	Direct	IAT, UNIV	3.00	3.00	1.50	1.00	1.00	3.00	3.00	2.64	88.00	2.45	2.45	1.96
					Indirect	EOC			1.90									
24	III	C2013 3 6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	1.50	1.66	1.00	1.00	1.50	3.00	3.00	2.43	80.90	2.09	2.16	1.72
					Indirect	EOC			1.33									
25	III	L2013 3 1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
26	III	L2013 3 2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									

28	IV	C2013 4 1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.43	81.00	2.66	2.66	2.13
					Indirect	EOC			3.00									
29	IV	C2013 4 2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.58	86.00	2.75	2.75	2.20
					Indirect	EOC			3.00									
30	IV	C2013 4 3	EC6402	Communication Theory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.64	88.00	2.78	2.78	2.23
					Indirect	EOC			3.00									
31	IV	C2013 4 4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.43	81.00	2.66	2.66	2.13
					Indirect	EOC			3.00									
32	IV	C2013 4 5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3.00	2.33	2.00	2.00	3.00	3.00	3.00	2.07	69.00	2.24	2.28	1.83
					Indirect	EOC			2.47									
33	IV	C2013 4 6	EC6405	Control System Engineering	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.64	88.00	2.78	2.78	2.23
					Indirect	EOC			3.00									
34	IV	L2013 1 1	EC6411	Circuit and Simulation Integrated Laborato	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
35	IV	L2013 1 2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
36	IV	L2013 1 3	EE6461	Electrical Engineering and Control Sy	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
38	V	C2013 5 1	EC6501	Digital Communication	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
39	V	C2013 5 2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.94	98.00	2.96	2.96	2.37
					Indirect	EOC			3.00									
40	V	C2013 5 3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2.00	2.67	1.00	3.00	2.50	3.00	3.00	2.79	93.00	2.61	2.64	2.12
					Indirect	EOC			2.23									
41	V	C2013 5 4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.94	98.00	2.96	2.96	2.37
					Indirect	EOC			3.00									
42	V	C2013 5 5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
43	V	L2013 5 1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00		3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
44	V	L2013 5 2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00		3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
45	V	L2013 5 3	EC6513	Microprocessor and Microcontroller Labo	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
47	VI	C2013 6 1	MG6851	Principles of Management	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	2.50	3.00	3.00	3.00	100.00	2.98	2.97	2.38
					Indirect	EOC			2.90									
48	VI	C2013 6 2	CS6303	Computer Architecture	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
49	VI	C2013 6 3	CS6551	Computer Networks	Direct	IAT, UNIV	3.00	2.50	3.00	3.00	3.00	3.00	3.00	3.00	100.00	2.96	2.97	2.38
					Indirect	EOC			2.90									
50	VI	C2013 6 4	EC6601	VLSI Design	Direct	IAT, UNIV	3.00	3.00	3.00	2.50	3.00	3.00	3.00	3.00	100.00	2.96	2.97	2.38
					Indirect	EOC			2.90									
51	VI	C2013 6 5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
52	VI	C2013 6 6		Medical Electronics-Elective 1	Direct	IAT, UNIV	3.00	2.33	2.00	2.00	3.00	3.00	3.00	2.94	98.00	2.76	2.80	2.24
					Indirect	EOC			2.47									
53	VI	L2013 6 1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
54	VI	L2013 6 2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Labo	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC			3.00									
57	VII	C2013 7 1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.50	2.00	2.50	2.00	3.00	3.00	3.00	2.85	95.00	2.69	2.73	2.18
					Indirect	EOC			2.40									
58	VII	C2013 7 2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	1.50	1.50	1.50	3.00	1.00	3.00	3.00	2.70	90.00	2.42	2.43	1.94
					Indirect	EOC			1.70									
59	VII	C2013 7 3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.79	93.00	2.87	2.87	2.30
					Indirect	EOC			3.00									

60	VII	C2013 7 4	EC6011	Electromagnetic Inteference and Compatib	Direct	IAT, UNIV	3.00	2.50	3.00	2.00	3.00	3.00	3.00	2.49	83.00	2.58	2.60	2.08
					Indirect	EOC	2.70											
61	VII	C2013 7 5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.94	98.00	2.96	2.96	2.37
					Indirect	EOC	3.00											
62	VII	C2013 7 6	EC6004	Satellite Communication	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.52	84.00	2.71	2.71	2.17
					Indirect	EOC	3.00											
63	VII	L2013 7 1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC	3.00											
64	VII	L2013 7 2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC	3.00											
66	VIII	C2013 8 1	EC6801	Wireless Communication	Direct	IAT, UNIV	3.00	3.00	2.00	3.00	3.00	3.00	3.00	2.93	97.50	2.88	2.90	2.32
					Indirect	EOC	2.80											
67	VIII	C2013 8 2	EC6802	Wireless Networks	Direct	IAT, UNIV	3.00	2.67	3.00	2.00	2.00	3.00	3.00	3.00	100.00	2.87	2.86	2.29
					Indirect	EOC	2.53											
68	VIII	C2013 8 3		Total Quality Management	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	100.00	3.00	3.00	2.40
					Indirect	EOC	3.00											
69	VIII	C2013 8 4		Professional Ethics	Direct	IAT, UNIV	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	100.00	2.93	2.94	2.35
					Indirect	EOC	2.80											
70	VIII	L2013 8 1	EC6811	Project Work	Direct	REVIEWS	3.00	3.00	3.00	3.00	3.00			3.00	100.00	3.00	3.00	2.40
					Indirect	EOC	3.00											

HOD

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ECE- 2015-19- A SECTION

COURSE OUTCOME TARGET:65% of students will get above 60%							IATs					ASSIGNMENTS		University Exam		Direct CO	Overall CO
S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool	Assessment Tool	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO			
1	I	C2013.1.1	HS6151	Technical English – I	Direct	IAT, UNIV	2.50	2.66	2.50	3.00	3.00	3	3	2.9	97.7	2.88	2.85
					Indirect	EOC	2.73										
2	I	C2013.1.2	MA6151	Mathematics – I	Direct	IAT, UNIV	2.50	2.50	3.00	2.00	2.00	3	3	2.6	86.4	2.58	2.54
					Indirect	EOC	2.40										
3	I	C2013.1.3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.50	2.00	3.00	1.00	2.00	3	3	2.5	81.89	2.40	2.34
					Indirect	EOC	2.10										
4	I	C2013.1.4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	3.00	2.50	3.00	1.00	2.00	3	3	2.7	88.6	2.58	2.53
					Indirect	EOC	2.30										
5	I	C2013.1.5	GE6151	Computer Programming	Direct	IAT, UNIV	3.00	2.66	2.50	3.00	3.00	3	3	2.6	86.4	2.70	2.73
					Indirect	EOC	2.83										
6	I	C2013.1.6	GE6152	Engineering Graphics	Direct	IAT, UNIV	2.50	2.66	2.50	3.00	3.00	3	3	2.8	93.2	2.80	2.78
					Indirect	EOC	2.73										
7	I	L2013.1.1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
8	I	L2013.1.2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
10	II	C2013.2.1	HS6251	Technical English – II	Direct	IAT, UNIV	1.00	3.00	2.00	1.70	1.00	3	3	3	100	2.62	2.45
					Indirect	EOC	1.74										
11	II	C2013.2.2	MA6251	Mathematics – II	Direct	IAT, UNIV	2.50	2.50	3.00	2.00	2.00	3	3	2.7	91	2.66	2.61
					Indirect	EOC	2.40										
12	II	C2013.2.3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	3.00	2.50	3.00	1.00	2.00	3	3	2.6	86	2.54	2.49
					Indirect	EOC	2.30										
13	II	C2013.2.4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2.00	2.50	2.00	2.50	1.50	3	3	2.7	91	2.57	2.47
					Indirect	EOC	2.10										
14	II	C2013.2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	2.00	2.66	2.50	3.00	3.00	3	3	2.4	79	2.51	2.54
					Indirect	EOC	2.63										
15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	2.00	2.66	2.50	3.00	3.00	3	3	2.6	88	2.67	2.67
					Indirect	EOC	2.63										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										

17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3.00	2.66	2.50	2.50	3.00	3	3	2.7	91	2.76	2.75
					Indirect	EOC	2.73										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	2.00	2.00	2.50	1.00	3.00	3	3	2.7	91	2.57	2.47
					Indirect	EOC	2.10										
21	III	C2013.3.3	EC6301	Object Oriented Programming and Data	Direct	IAT, UNIV	2.50	2.00	2.50	2.50	3.00	3	3	2.9	98	2.81	2.75
					Indirect	EOC	2.50										
22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3.00	2.67	2.50	2.00	2.00	3	3	2.7	89	2.63	2.59
					Indirect	EOC	2.43										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	2.50	3.00	3.00	3.00	3.00	3	3	2.9	95	2.88	2.88
					Indirect	EOC	2.90										
24	III	C2013.3.6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	2.50	1.33	1.00	3.00	2.50	3	3	2.8	93	2.59	2.49
					Indirect	EOC	2.07										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	2.50	3	3	2.5	84	2.66	2.70
					Indirect	EOC	2.83										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.9	95	2.91	2.93
					Indirect	EOC	3.00										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.9	95	2.91	2.93
					Indirect	EOC	3.00										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.50	3.00	3.00	3.00	3.00	3	3	2.9	95	2.88	2.88
					Indirect	EOC	2.90										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	1.00	3	3	2.9	98	2.84	2.80
					Indirect	EOC	2.60										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	2.93	3	3	2.9	95	2.89	2.89
					Indirect	EOC	2.92										
34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3.00	3.00		3.00		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3.00	3.00		3.00		3	3	2.3	78	2.60	2.68
					Indirect	EOC	3.00										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System	Direct	IAT, UNIV	3.00	3.00	3.00	3.00		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	3.00	3	3	2.7	91	2.82	2.84
					Indirect	EOC	2.93										

39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	2.50	2.67	3.00	3.00	3.00	3	3	2.7	89	2.75	2.77
					Indirect	EOC	2.83										
40	V	C2013.5.3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2.50	2.00	1.00	3.00	2.50	3	3	2.4	80	2.40	2.36
					Indirect	EOC	2.20										
41	V	C2013.5.4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	3.00	3	3	2.7	91	2.82	2.84
					Indirect	EOC	2.93										
42	V	C2013.5.5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.8	93	2.87	2.90
					Indirect	EOC	3.00										
43	V	L2013.5.1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00		3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
44	V	L2013.5.2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00		3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
45	V	L2013.5.3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
47	VI	C2013.6.1	MG6851	Principles of Management	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	2.50	3	3	2.9	95.45	2.89	2.89
					Indirect	EOC	2.90										
48	VI	C2013.6.2	CS6303	Computer Architecture	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.7	90.9	2.84	2.87
					Indirect	EOC	3.00										
49	VI	C2013.6.3	CS6551	Computer Networks	Direct	IAT, UNIV	3.00	2.50	3.00	3.00	3.00	3	3	2.9	95.45	2.89	2.89
					Indirect	EOC	2.90										
50	VI	C2013.6.4	EC6601	VLSI Design	Direct	IAT, UNIV	3.00	2.50	2.00	2.50	3.00	3	3	2.8	93.18	2.76	2.73
					Indirect	EOC	2.60										
51	VI	C2013.6.5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3.00	2.67	3.00	3.00	3.00	3	3	2.7	90.9	2.82	2.84
					Indirect	EOC	2.93										
52	VI	C2013.6.6	EC6001	Medical Electronics-Elective 1	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	1.00	3	3	2.9	97.3	2.83	2.79
					Indirect	EOC	2.60										
53	VI	L2013.6.1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
54	VI	L2013.6.2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
55	VI	L2013.6.3	GE6674	Communication and Soft Skills - Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
57	VII	C2013.7.1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.00	2.00	2.50	2.00	3.00	3	3	2.4	81	2.45	2.42
					Indirect	EOC	2.30										
58	VII	C2013.7.2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	2.50	3.00	3.00	3.00	3.00	3	3	2.6	86	2.72	2.75
					Indirect	EOC	2.90										
59	VII	C2013.7.3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	2.9	98	2.96	2.97
					Indirect	EOC	3.00										

60	VII	C2013.7.4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3.00	3.00	2.00	2.00	3.00	3	3	3	100	2.88	2.82
					Indirect	EOC	2.60										
61	VII	C2013.7.5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3.00	2.66	3.00	3.00	3.00	3	3	3	100	2.98	2.97
					Indirect	EOC	2.93										
62	VII	C2013.7.6	EC6004	Satellite Communication	Direct	IAT, UNIV	3.00	2.60	2.00	2.50	3.00	3	3	3	100	2.89	2.83
					Indirect	EOC	2.62										
63	VII	L2013.7.1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
64	VII	L2013.7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3.00	3.00	3.00	3.00	3.00	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
66	VIII	C2013.8.1	EC6801	Wireless Communication	Direct	IAT, UNIV	3.00	2.67	2.50	3.00	3.00	3	3	2.9	95	2.86	2.85
					Indirect	EOC	2.83										
67	VIII	C2013.8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	2.50	2.67	2.50	3.00	3.00	3	3	3	100	2.92	2.88
					Indirect	EOC	2.73										
68	VIII	C2013.8.3	GE6757	Total Quality Management	Direct	IAT, UNIV	2.50	2.67	2.00	3.00	3.00	3	3	3	100	2.89	2.84
					Indirect	EOC	2.63										
69	VIII	C2013.8.4	GE6075	Professional Ethics in Engineering	Direct	IAT, UNIV	3.00	2.67	2.00	2.00	3.00	3	3	2.9	98	2.82	2.77
					Indirect	EOC	2.53										
70	VIII	L2013.8.1	EC6811	Project Work	Direct	REVIEWS	3.00	3.00	3.00	3.00	3.00			3	100	3.00	3.00
					Indirect	EOC	3.00										

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ECE- 2015-19- B SECTION

COURSE OUTCOME TARGET:65% of students will get above 60%							IATs					ASSIGNMENT		University Exam		Direct CO	Overall CO
S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO			
1	I	C2013.1.1	HS6151	Technical English – I	Direct	IAT, UNIV	3	3	3	1	2	3	3	3	96	2.74	2.67
					Indirect	EOC	2.40										
2	I	C2013.1.2	MA6151	Mathematics – I	Direct	IAT, UNIV	3	2	3	2	2	3	3	3	96	2.74	2.67
					Indirect	EOC	2.40										
3	I	C2013.1.3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	3	3	2	2	2	3	3	2	74	2.35	2.36
					Indirect	EOC	2.40										
4	I	C2013.1.4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	3	2	2	1	1	3	3	3	96	2.56	2.41
					Indirect	EOC	1.80										
5	I	C2013.1.5	GE6151	Computer Programming	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	3	96	2.83	2.81
					Indirect	EOC	2.70										
6	I	C2013.1.6	GE6152	Engineering Graphics	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	3	91	2.75	2.74
					Indirect	EOC	2.70										
7	I	L2013.1.1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
8	I	L2013.1.2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
9	I	L2013.1.3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
10	II	C2013.2.1	HS6251	Technical English – II	Direct	IAT, UNIV	3	2.5	2.7	2.7	3	3	3	3	100	2.93	2.89
					Indirect	EOC	2.75										
11	II	C2013.2.2	MA6251	Mathematics – II	Direct	IAT, UNIV	3	2.5	3	2	3	3	3	2	80	2.52	2.54
					Indirect	EOC	2.60										
12	II	C2013.2.3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2	2.5	3	2	3	3	3	3	89	2.62	2.58
					Indirect	EOC	2.40										
13	II	C2013.2.4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	3	2	2	1	1	3	3	3	85	2.37	2.26
					Indirect	EOC	1.80										
14	II	C2013.2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2	74	2.44	2.49
					Indirect	EOC	2.70										
15	II	C2013.2.6	EE6201	Circuit Theory	Direct	IAT, UNIV	2.5	3	2	3	3	3	3	2	74	2.44	2.49
					Indirect	EOC	2.70										
16	II	L2013.2.1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										

17	II	L2013.2.2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
19	III	C2013.3.1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	93	2.87	2.90
					Indirect	EOC	3.00										
20	III	C2013.3.2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1	1	2	2	3	3	3	3	91	2.48	2.34
					Indirect	EOC	1.80										
21	III	C2013.3.3	EC6301	Object Oriented Programming and Data Structures	Direct	IAT, UNIV	2.7	2.5	2.5	2.5	3	3	3	3	96	2.82	2.78
					Indirect	EOC	2.63										
22	III	C2013.3.4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	2.7	3	3	3	3	3	3	89	2.78	2.81
					Indirect	EOC	2.93										
23	III	C2013.3.5	EC6303	Signals and Systems	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	96	2.90	2.90
					Indirect	EOC	2.90										
24	III	C2013.3.6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	2.5	2.3	3	3	3	3	3	3	96	2.83	2.80
					Indirect	EOC	2.67										
25	III	L2013.3.1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
26	III	L2013.3.2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
28	IV	C2013.4.1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	2.7	2.5	2.5	2.5	3	3	3	3	85	2.62	2.62
					Indirect	EOC	2.63										
29	IV	C2013.4.2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	2.7	3	3	3	3	3	3	91	2.82	2.84
					Indirect	EOC	2.93										
30	IV	C2013.4.3	EC6402	Communication Theory	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	93	2.84	2.86
					Indirect	EOC	2.90										
31	IV	C2013.4.4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	2.5	2.3	3	3	3	3	3	3	91	2.74	2.72
					Indirect	EOC	2.67										
32	IV	C2013.4.5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	89	2.80	2.84
					Indirect	EOC	3.00										
33	IV	C2013.4.6	EC6405	Control System Engineering	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	93	2.84	2.86
					Indirect	EOC	2.90										
34	IV	L2013.1.1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
35	IV	L2013.1.2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3		3		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
36	IV	L2013.1.3	EE6461	Electrical Engineering and Control System Laboratory	Direct	IAT, UNIV	3	3	3	3		3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
38	V	C2013.5.1	EC6501	Digital Communication	Direct	IAT, UNIV	2.7	2.5	2.5	2.5	3	3	3	3	93	2.76	2.74
					Indirect	EOC	2.63										
39	V	C2013.5.2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3	2.7	3	3	3	3	3	3	96	2.91	2.91
					Indirect	EOC	2.93										

40	V	C2013 5 3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	93	2.84	2.86
					Indirect	EOC	2.90										
41	V	C2013 5 4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	2.5	2.3	3	3	3	3	3	3	85	2.63	2.64
					Indirect	EOC	2.67										
42	V	C2013 5 5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	85	2.73	2.78
					Indirect	EOC	3.00										
43	V	L2013 5 1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
44	V	L2013 5 2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
45	V	L2013 5 3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
47	VI	C2013 6 1	MG6851	Principles of Management	Direct	IAT, UNIV	2.7	2.5	2.5	2.5	3	3	3	3	98	2.85	2.81
					Indirect	EOC	2.63										
48	VI	C2013 6 2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	2.7	3	3	3	3	3	3	96	2.90	2.91
					Indirect	EOC	2.93										
49	VI	C2013 6 3	CS6551	Computer Networks	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	93	2.85	2.86
					Indirect	EOC	2.90										
50	VI	C2013 6 4	EC6601	VLSI Design	Direct	IAT, UNIV	2.5	2.3	3	3	3	3	3	3	100	2.90	2.85
					Indirect	EOC	2.67										
51	VI	C2013 6 5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
52	VI	C2013 6 6	EC6001	Medical Electronics-Elective I	Direct	IAT, UNIV	2.7	2.5	2.5	2.5	3	3	3	3	100	2.89	2.84
					Indirect	EOC	2.63										
53	VI	L2013 6 1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
54	VI	L2013 6 2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
57	VII	C2013 7 1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.5	2	2.5	2	3	3	3	3	100	2.82	2.74
					Indirect	EOC	2.40										
58	VII	C2013 7 2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	3	3	2.5	1	1	3	3	3	87	2.50	2.42
					Indirect	EOC	2.10										
59	VII	C2013 7 3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	93	2.84	2.86
					Indirect	EOC	2.90										
60	VII	C2013 7 4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3	2	2	2	3	3	3	3	98	2.78	2.71
					Indirect	EOC	2.40										
61	VII	C2013 7 5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	98	2.90	2.88
					Indirect	EOC	2.80										

62	VII	C2013.7.6	EC6004	Satellite Communication	Direct	IAT, UNIV	2.5	2.7	3	3	3	3	3	2	75	2.50	2.57
					Indirect	EOC	2.83										
63	VII	L2013.7.1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
64	VII	L2013.7.2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
66	VIII	C2013.8.1	EC6801	Wireless Communication	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	91	2.81	2.83
					Indirect	EOC	2.90										
67	VIII	C2013.8.2	EC6802	Wireless Networks	Direct	IAT, UNIV	3	2	2	2	3	3	3	3	100	2.82	2.74
					Indirect	EOC	2.40										
68	VIII	C2013.8.3	GE6757	Total Quality Management	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	100	2.94	2.91
					Indirect	EOC	2.80										
69	VIII	C2013.8.4	GE6075	Professional Ethics	Direct	IAT, UNIV	2.5	2.7	3	3	3	3	3	3	98	2.91	2.90
					Indirect	EOC	2.83										
70	VIII	L2013.8.1	EC6811	Project Work	Direct	REVIEWS	2.8	2.8	3	2.7	3			3	100	2.91	2.93
					Indirect	EOC	3										

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PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF ECE- 2015-19-C Section

S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs CO1	CO2	CO3	CO4	CO5	ASSIGNMENT CO1	CO2	University Exam CO		Direct CO	Overall CO
1	I	C2013 1 1	HS6151	Technical English – I	Direct	IAT, UNIV	3	3	3	1	2	3	3	2.922	97.4	2.80	2.72
					Indirect	EOC	2.40										
2	I	C2013 1 2	MA6151	Mathematics – I	Direct	IAT, UNIV	3	2.5	3	2	2	3	3	2.604	86.8	2.65	2.62
					Indirect	EOC	2.50										
3	I	C2013 1 3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	2.5	2	3	2	2	3	3	2.133	71.1	2.29	2.29
					Indirect	EOC	2.30										
4	I	C2013 1 4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.922	97.4	2.58	2.38
					Indirect	EOC	1.60										
5	I	C2013 1 5	GE6151	Computer Programming	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.832	94.4	2.82	2.82
					Indirect	EOC	2.80										
6	I	C2013 1 6	GE6152	Engineering Graphics	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.922	97.4	2.88	2.86
					Indirect	EOC	2.80										
7	I	L2013 1 1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
8	I	L2013 1 2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
9	I	L2013 1 3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
10	II	C2013 2 1	HS6251	Technical English – II	Direct	IAT, UNIV	3	3	3	2.4	3	3	3	3	100	2.96	2.94
					Indirect	EOC	2.88										
11	II	C2013 2 2	MA6251	Mathematics – II	Direct	IAT, UNIV	3	2.5	3	2	2.5	3	3	2.52	84	2.60	2.60
					Indirect	EOC	2.60										
12	II	C2013 2 3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	2.5	2	3	1	2	3	3	2.85	95	2.65	2.54
					Indirect	EOC	2.10										
13	II	C2013 2 4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.85	95	2.54	2.35
					Indirect	EOC	1.60										
14	II	C2013 2 5	EC6201	Electronic Devices	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.07	69	2.37	2.45
					Indirect	EOC	2.80										
15	II	C2013 2 6	EE6201	Circuit Theory	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.28	76	2.49	2.55
					Indirect	EOC	2.80										
16	II	L2013 2 1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
17	II	L2013 2 2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
19	III	C2013 3 1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	3	3	2.5	1	3	3	2.76	92	2.82	2.75
					Indirect	EOC	2.50										
20	III	C2013 3 2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	1.5	1	2	1	2	3	3	2.91	97	2.46	2.27
					Indirect	EOC	1.50										
21	III	C2013 3 3	EC6301	Object Oriented Programming and Data Structures	Direct	IAT, UNIV	1.67	1.5	2	2	2	3	3	2.91	97	2.58	2.43
					Indirect	EOC	1.83										
22	III	C2013 3 4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.85	95	2.88	2.89
					Indirect	EOC	2.93										
23	III	C2013 3 5	EC6303	Signals and Systems	Direct	IAT, UNIV	1.5	1.5	1.5	1	1	3	3	2.91	97	2.46	2.23
					Indirect	EOC	1.30										
24	III	C2013 3 6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	1.5	1.66	1	1	1	3	3	2.67	89	2.29	2.08
					Indirect	EOC	1.23										
25	III	L2013 3 1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
26	III	L2013 3 2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00

					Indirect	EOC	3.00														
28	IV	C2013 4 1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	2.5	3	2	2.5	3	3	2.58	86	2.64	2.63
					Indirect	EOC	2.60										
29	IV	C2013 4 2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	2.5	2	3	1	2	3	3	2.91	97	2.68	2.57
					Indirect	EOC	2.10										
30	IV	C2013 4 3	EC6402	Communication Theory	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.91	97	2.57	2.38
					Indirect	EOC	1.60										
31	IV	C2013 4 4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.91	97	2.87	2.86
					Indirect	EOC	2.80										
32	IV	C2013 4 5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.91	97	2.87	2.86
					Indirect	EOC	2.80										
33	IV	C2013 4 6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.91	97	2.95	2.96
					Indirect	EOC	3.00										
34	IV	L2013 1 1	EC6411	Circuit and Simulation Integrated Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
35	IV	L2013 1 2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
36	IV	L2013 1 3	EE6461	Electrical Engineering and Control System Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
38	V	C2013 5 1	EC6501	Digital Communication	Direct	IAT, UNIV	2.5	2	3	2	2	3	3	2.82	94	2.70	2.62
					Indirect	EOC	2.30										
39	V	C2013 5 2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.91	97	2.57	2.38
					Indirect	EOC	1.60										
40	V	C2013 5 3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.82	94	2.82	2.81
					Indirect	EOC	2.80										
41	V	C2013 5 4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.43	81	2.58	2.63
					Indirect	EOC	2.80										
42	V	C2013 5 5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.91	97	2.95	2.96
					Indirect	EOC	3.00										
43	V	L2013 5 1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
44	V	L2013 5 2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
45	V	L2013 5 3	EC6513	Microprocessor and Microcontroller Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
47	VI	C2013 6 1	MG6851	Principles of Management	Direct	IAT, UNIV	2.5	2	3	2	2	3	3	2.917	97.22	2.76	2.67
					Indirect	EOC	2.30										
48	VI	C2013 6 2	CS6303	Computer Architecture	Direct	IAT, UNIV	2	2	2	1	1	3	3	2.833	94.44	2.52	2.34
					Indirect	EOC	1.60										
49	VI	C2013 6 3	CS6551	Computer Networks	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.5	83.33	2.62	2.66
					Indirect	EOC	2.80										
50	VI	C2013 6 4	EC6601	VLSI Design	Direct	IAT, UNIV	3	3	2	3	3	3	3	2.833	94.44	2.82	2.82
					Indirect	EOC	2.80										
51	VI	C2013 6 5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
52	VI	C2013 6 6	EC6001	Medical Electronics-Elective I	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.917	97.22	2.92	2.93
					Indirect	EOC	2.93										
53	VI	L2013 6 1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
54	VI	L2013 6 2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
57	VII	C2013 7 1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2	2	2.5	2	3	3	3	2.76	92	2.59	2.53

					Indirect	EOC	2.30										
58	VII	C2013 7 2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.34	78	2.60	2.68
					Indirect	EOC	3.00										
59	VII	C2013 7 3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.58	86	2.75	2.80
					Indirect	EOC	3.00										
60	VII	C2013 7 4	EC6011	Electromagnetic Inteference and Compatibility	Direct	IAT, UNIV	3	2.5	2	2.5	3	3	3	3	100	2.85	2.80
					Indirect	EOC	2.60										
61	VII	C2013 7 5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.91	97	2.95	2.96
					Indirect	EOC	3.00										
62	VII	C2013 7 6	EC6004	Satellite Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
63	VII	L2013 7 1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
64	VII	L2013 7 2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3.00
					Indirect	EOC	3.00										
66	VIII	C2013 8 1	EC6801	Wireless Communication	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.76	92	2.83	2.85
					Indirect	EOC	2.93										
67	VIII	C2013 8 2	EC6802	Wireless Networks	Direct	IAT, UNIV	1.5	1.5	1.5	1	1	3	3	2.91	97	2.46	2.23
					Indirect	EOC	1.30										
68	VIII	C2013 8 3	GE6757	Total Quality Management	Direct	IAT, UNIV	1.5	1.66	1	1	1	3	3	3	100	2.49	2.24
					Indirect	EOC	1.23										
69	VIII	C2013 8 4	GE6075	Professional Ethics	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	3	100	2.97	2.97
					Indirect	EOC	2.93										
70	VIII	L2013 8 1	EC6811	Project Work	Direct	REVIEWS	3	3	3	3	3			3	100	3.00	3.00
					Indirect	EOC	3.00										

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF ECE- 2016- 2020 - A Section

S.No.	Year	Ref.No.	Course Code	Course Name	Assessment Tool Type	Assessment Tool	IATs					Assignment		University Exam			Direct CO	Overall CO
							CO1	CO2	CO3	CO4	CO5	CO1	CO2		CO	Direct CO		
1	I	C2013 1 1	HS6151	Technical English – I	Direct	IAT, UNIV	3	3	2.5	1	1	3	3	3	100	0 95	2.73	2.18
					Indirect	EOC	2.85											
2	I	C2013 1 2	MA6151	Mathematics – I	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	100	1.16	2 97	2.38
					Indirect	EOC	2.85											
3	I	C2013 1 3	PH6151	Engineering Physics – I	Direct	IAT, UNIV	3	2	2	2	3	3	3	3	100	0 98	2 82	2.26
					Indirect	EOC	2.85											
4	I	C2013 1 4	CY6151	Engineering Chemistry – I	Direct	IAT, UNIV	2.5	3	3	3	2.5	3	3	3	100	1.15	2 94	2.35
					Indirect	EOC	2.85											
5	I	C2013 1 5	GE6151	Computer Programming	Direct	IAT, UNIV	2.5	2.66	3	3	3	3	3	3	100	1.14	2.95	2.36
					Indirect	EOC	2.85											
6	I	C2013 1 6	GE6152	Engineering Graphics	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3 00	2.40
					Indirect	EOC	2.85											
7	I	L2013 1 1	GE6161	Computer Practices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2 40
					Indirect	EOC	2.85											
8	I	L2013 1 2	GE6162	Engineering Practices Laboratory	Direct	IAT, UNIV	2.5	3	2	3	2.5	3	3	3	100	1 07	2.88	2.30
					Indirect	EOC	2.85											
9	I	L2013 1 3	GE6163	Physics and Chemistry Laboratory - I	Direct	IAT, UNIV	2.5	3	3	3	3	3	3	3	100	1.16	2.97	2 38
					Indirect	EOC	2.85											
10	II	C2013 2 1	HS6251	Technical English – II	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.94	98	1.20	2.96	2 37
					Indirect	EOC	3.00											
11	II	C2013 2 2	MA6251	Mathematics – II	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2 94	98	1.18	2.93	2 35
					Indirect	EOC	2.90											
12	II	C2013 2 3	PH6251	Engineering Physics – II	Direct	IAT, UNIV	3	2.6667	3	3	3	3	3	3	100	1.18	2.98	2 38
					Indirect	EOC	2.93											
13	II	C2013 2 4	CY6251	Engineering Chemistry – II	Direct	IAT, UNIV	3	2.5	2.5	2.5	2	3	3	3	100	1.05	2.85	2.28
					Indirect	EOC	2.50											
14	II	C2013 2.5	EC6201	Electronic Devices	Direct	IAT, UNIV	3	3	3	2.5	3	3	3	3	100	1.16	2.97	2.38
					Indirect	EOC	2.90											
15	II	C2013 2 6	EE6201	Circuit Theory	Direct	IAT, UNIV	2.5	2.3333	3	3	3	3	3	2.94	98	1.11	2.89	2.32
					Indirect	EOC	2.77											
16	II	L2013 2 1	GE6262	Physics and Chemistry Laboratory - II	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.00											
17	II	L2013 2 2	EC6211	Circuits and Devices Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.00											
19	III	C2013 3 1	MA6351	Transforms and Partial Differential Equations	Direct	IAT, UNIV	3	2.66	3	3	3	3	3	2.79	93	1.17	2.85	2.28
					Indirect	EOC	2.9											
20	III	C2013 3 2	EE6352	Electrical Engineering and Instrumentation	Direct	IAT, UNIV	2	2.5	2	3	3	3	3	2.9361	97.87	1.01	2.81	2.25
					Indirect	EOC	2.5											
21	III	C2013 3 3	EC6301	Object Oriented Programming and Data Structures	Direct	IAT, UNIV	3	2	2.5	3	3	3	3	2.76	92	1.09	2.77	2.21
					Indirect	EOC	2.7											
22	III	C2013 3 4	EC6302	Digital Electronics	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											
23	III	C2013 3 5	EC6303	Signals and Systems	Direct	IAT, UNIV	3	3	2.8	3	3	3	3	2 82	94	1.19	2 88	2.30
					Indirect	EOC	3.0											
24	III	C2013 3 6	EC6304	Electronic Circuits- I	Direct	IAT, UNIV	2.4	3	2	3	1.5	3	3	2.736	91.2	1.03	2.66	2.12
					Indirect	EOC	2.4											
25	III	L2013 3 1	EC6311	Analog and Digital Circuits Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1 20	3.00	2.40
					Indirect	EOC	3 0											
26	III	L2013 3 2	EC6312	OOPS and Data Structures Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3 0											
28	IV	C2013 4 1	MA6451	Probability and Random Processes	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.904	96.8	1 20	2.94	2 35
					Indirect	EOC	3.0											

29	IV	C2013 4 2	EC6401	Electronic Circuits II	Direct	IAT, UNIV	3	2.5	3	2.6	3	3	3	3	100	1.13	2.95	2.36
					Indirect	EOC	2.8											
30	IV	C2013 4 3	EC6402	Communication Theory	Direct	IAT, UNIV	3	2.7	3	2	3	3	3	2.9196	97.32	1.10	2.87	2.30
					Indirect	EOC	2.7											
31	IV	C2013 4 4	EC6403	Electromagnetic Fields	Direct	IAT, UNIV	3	2.3	3	2.4	3	3	3	2.82	94	1.10	2.81	2.25
					Indirect	EOC	2.7											
32	IV	C2013 4 5	EC6404	Linear Integrated Circuits	Direct	IAT, UNIV	3	2.33	3	3	3	3	3	2.88	96	1.15	2.89	2.31
					Indirect	EOC	2.9											
33	IV	C2013 4 6	EC6405	Control System Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.829	94.3	1.20	2.90	2.32
					Indirect	EOC	3.0											
34	IV	L2013 1 1	EC6411	Circuit and Simulation Integrated Laborat ory	Direct	IAT, UNIV	3	3		3		3	3	2.9361	97.87	1.20	2.96	2.37
					Indirect	EOC	3.0											
35	IV	L2013 1 2	EC6412	Linear Integrated Circuit Laboratory	Direct	IAT, UNIV	3	3		3		3	3	2.9361	97.87	1.20	2.96	2.37
					Indirect	EOC	3.0											
36	IV	L2013 1 3	EE6461	Electrical Engineenng and Control Sy stem Laboratory	Direct	IAT, UNIV	3	3	3	3		3	3	2.9361	97.87	1.20	2.96	2.37
					Indirect	EOC	3.0											
38	V	C2013 5 1	EC6501	Digital Communication	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.8086	93.62	1.20	2.89	2.31
					Indirect	EOC	3.0											
39	V	C2013 5 2	EC6502	Principles of Digital Signal Processing	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.94	98	1.20	2.96	2.37
					Indirect	EOC	3.0											
40	V	C2013 5 3	EC6503	Transmission Lines and Wave Guides	Direct	IAT, UNIV	2	2.67	1	3	2.5	3	3	2.8086	93.62	0.93	2.66	2.12
					Indirect	EOC	2.2											
41	V	C2013 5 4	GE6351	Environmental Science and Engineering	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.9361	97.87	1.20	2.96	2.37
					Indirect	EOC	3.0											
42	V	C2013 5 5	EC6504	Microprocessor and Microcontroller	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.8722	95.74	1.20	2.92	2.34
					Indirect	EOC	3.0											
43	V	L2013 5 1	EC6511	Digital Signal Processing Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											
44	V	L2013 5 2	EC6512	Communication System Laboratory	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											
45	V	L2013 5 3	EC6513	Microprocessor and Microcontroller Labor atory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											
47	VI	C2013 6 1	MG6851	Principles of Management	Direct	IAT, UNIV	3	3	3	3	2.5	3	3	2.88	96	1.18	2.90	2.32
					Indirect	EOC	2.9											
48	VI	C2013 6 2	CS6303	Computer Architecture	Direct	IAT, UNIV	3	3	2.5	3	2.7	3	3	2.94	98	1.15	2.92	2.33
					Indirect	EOC	2.8											
49	VI	C2013 6 3	CS6551	Computer Networks	Direct	IAT, UNIV	3	2.5	3	3	2.5	3	3	2.82	94	1.15	2.83	2.27
					Indirect	EOC	2.8											
50	VI	C2013 6 4	EC6601	VLSI Design	Direct	IAT, UNIV	3	3	3	2.5	3	3	3	2.73	91	1.16	2.81	2.25
					Indirect	EOC	2.9											
51	VI	C2013 6 5	EC6602	Antenna and Wave propagation	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.82	94	1.20	2.89	2.31
					Indirect	EOC	3.0											
52	VI	C2013 6 6		Medical Electronics-Elective I	Direct	IAT, UNIV	3	2.33	2	2	3	3	3	2.772	92.4	1.00	2.70	2.16
					Indirect	EOC	2.5											
53	VI	L2013 6 1	EC6611	Computer Networks Laboratory	Direct	IAT, UNIV	3	3	2.8	3	3	3	3	3	100	1.19	2.99	2.39
					Indirect	EOC	3.0											
54	VI	L2013 6 2	EC6612	VLSI Design Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											
55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Laboratory Based	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											

57	VII	C2013 7 1	EC6701	RF and Microwave Engineering	Direct	IAT, UNIV	2.5	2	2.5	2	3	3	3	2.919	97.3	0.98	2.77	2.22
					Indirect	EOC	2.4											
58	VII	C2013 7 2	EC6702	Optical Communication and Networks	Direct	IAT, UNIV	3	2	2.5	3	2	3	3	2.943	98.1	1.05	2.82	2.25
					Indirect	EOC	2.5											
59	VII	C2013 7 3	EC6703	Embedded and Real Time Systems	Direct	IAT, UNIV	3	3	3	3	3	3	3	2.94	98	1.20	2.96	2.37
					Indirect	EOC	3.0											
60	VII	C2013 7 4	EC6011	Electromagnetic Intefference and Compatibility	Direct	IAT, UNIV	3	2.5	3	2	3	3	3	2.88	96	1.09	2.84	2.27
					Indirect	EOC	2.7											
61	VII	C2013 7 5	EC6015	Radar and Navigational Aids	Direct	IAT, UNIV	3	3	3	2.8	3	3	3	2.88	96	1.19	2.92	2.33
					Indirect	EOC	3.0											
62	VII	C2013 7 6	EC6004	Satellite Communication	Direct	IAT, UNIV	3	2.5	3	2.7	3	3	3	3	100	1.14	2.95	2.36
					Indirect	EOC	2.8											
63	VII	L2013 7 1	EC6711	Embedded Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											
64	VII	L2013 7 2	EC6712	Optical and Microwave Laboratory	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	1.20	3.00	2.40
					Indirect	EOC	3.0											
66	VIII	C2013 8 1	EC6801	Wireless Communication	Direct	IAT, UNIV	3	3	2	3	3	3	3	3	100	1.13	2.94	2.35
					Indirect	EOC	2.8											
67	VIII	C2013 8 2	EC6802	Wireless Networks	Direct	IAT, UNIV	3	2.67	2	2	2	3	3	3	100	0.99	2.80	2.24
					Indirect	EOC	2.3											
68	VIII	C2013 8 3		Total Quality Management	Direct	IAT, UNIV	3	2	3	3	2.5	3	3	3	100	1.11	2.91	2.33
					Indirect	EOC												
69	VIII	C2013 8 4		Professional Ethics	Direct	IAT, UNIV	3	2	2	3	2.5	3	3	3	100	1.03	2.85	2.28
					Indirect	EOC	2.86											
70	VIII	L2013 8 1	EC6811	Project Work	Direct	REVIEWS	3	3	3	3	3			3	100	1.20	1.20	1.55
					Indirect	EOC	2.95											

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PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF ECE- 2016- 2020- R-2013 - B Section

S.No.	Year	Ref.No.	Course Code	Course Name	Previous Batch result	Assessment Tool Type	Assessment Tool	IATs					ASSIGNMENT		University Exam			Overall CO
								CO1	CO2	CO3	CO4	CO5	CO1	CO2		CO	Direct CO	
1	I	C2013 1 1	HS6151	Technical English – I	93 85	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 93
						Indirect	EOC	2 67										
2	I	C2013 1 2	MA6151	Mathematics – I	95 61	Direct	IAT, UNIV	3	2 6	2 8	3	2 5	3	3	3	100	2 93	2 92
						Indirect	EOC	2 85										
3	I	C2013 1 3	PH6151	Engineering Physics – I	89 91	Direct	IAT, UNIV	2 5	3	3	3	3	3	3	2 91	97	2 92	2 88
						Indirect	EOC	2 76										
4	I	C2013 1 4	CY6151	Engineering Chemistry – I	89 91	Direct	IAT, UNIV	3	2	2	2	3	3	3	2 95	98 4	2 79	2 83
						Indirect	EOC	2 98										
5	I	C2013 1 5	GE6151	Computer Programming	89 47	Direct	IAT, UNIV	3	3	3	3	2 5	3	3	2 79	93	2 84	2 83
						Indirect	EOC	2 76										
6	I	C2013 1 6	GE6152	Engineering Graphics	95 61	Direct	IAT, UNIV	3	3	3	2 6	3	3	3	3	100	2.98	2 92
						Indirect	EOC	2 7										
7	I	L2013 1 1	GE6161	Computer Practices Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3 00
						Indirect	EOC	3										
8	I	L2013 1 2	GE6162	Engineering Practices Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	3 00
						Indirect	EOC	3										
9	I	L2013 1 3	GE6163	Physics and Chemistry Laboratory - I	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	3 00
						Indirect	EOC	3										
10	II	C2013 2 1	HS6251	Technical English – II	92 95	Direct	IAT, UNIV	3	3	3	2 7	2 8	3	3	3	100	2 97	2 95
						Indirect	EOC	2 85										
11	II	C2013 2 2	MA6251	Mathematics – II	86 34	Direct	IAT, UNIV	3	3	2 4	3	1 8	3	3	2 83	94 3	2 79	2 80
						Indirect	EOC	2 85										
12	II	C2013 2 3	PH6251	Engineering Physics – II	89 42	Direct	IAT, UNIV	2	2 5	3	2	2 5	3	3	2 54	84 6	2 54	2 60
						Indirect	EOC	2 85										
13	II	C2013 2 4	CY6251	Engineering Chemistry – II	95 15	Direct	IAT, UNIV	3	2	2	2	2	3	3	2 74	91 4	2 61	2 52
						Indirect	EOC	2 2										
14	II	C2013 2 5	EC6201	Electronic Devices	85 05	Direct	IAT, UNIV	2 5	3	2	3	3	3	3	2 94	98	2 87	2 84
						Indirect	EOC	2 7										
15	II	C2013 2 6	EE6201	Circuit Theory	85 05	Direct	IAT, UNIV	2 5	3	2	3	3	3	3	2 88	96	2 84	2 84
						Indirect	EOC	2 85										
16	II	L2013 2 1	GE6262	Physics and Chemistry Laboratory - II	100	Direct	IAT, UNIV	3	2 8	3	2 4	3	3	3	3	100	2 95	2 93
						Indirect	EOC	2 84										
17	II	L2013 2 2	EC6211	Circuits and Devices Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2 97
						Indirect	EOC	2 85										
19	III	C2013 3 1	MA6351	Transforms and Partial Differential Equations	86 13	Direct	IAT, UNIV	3	2 7	3	2 8	3	3	3	2 87	95.74	2 89	2 88
						Indirect	EOC	2 85										
20	III	C2013 3 2	EE6352	Electrical Engineering and Instrumentation	78 99	Direct	IAT, UNIV	3	2 4	3	2 4	3	3	3	2 62	87 23	2 70	2 73
						Indirect	EOC	2 85										
21	III	C2013 3 3	EC6301	Object Oriented Programming and Data	79 83	Direct	IAT, UNIV	2 67	2 5	2 5	2 5	3	3	3	2 87	95.74	2 81	2 82
						Indirect	EOC	2 85										
22	III	C2013 3 4	EC6302	Digital Electronics	74 78	Direct	IAT, UNIV	3	2 66	3	3	3	3	3	2 94	98	2 94	2 92
						Indirect	EOC	2 85										
23	III	C2013 3 5	EC6303	Signals and Systems	69 32	Direct	IAT, UNIV	2 5	3	3	3	3	3	3	3	100	2 97	2 95
						Indirect	EOC	2 85										
24	III	C2013 3 6	EC6304	Electronic Circuits- I	73 1	Direct	IAT, UNIV	3	2 7	3	3	2 5	3	3	2 87	95.74	2 88	2 87
						Indirect	EOC	2 85										
25	III	L2013 3 1	EC6311	Analog and Digital Circuits La	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3.00	2 97

				boratory		Indirect	EOC	2 85											
26	III	L2013 3 2	EC6312	OOPS and Data Structures Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
28	IV	C2013 4 1	MA6451	Probability and Random Processes	75 73	Direct	IAT, UNIV	3	3	2 5	3	2 5	3	3	2 64	88	2 72	2 75
						Indirect	EOC	2 85											
29	IV	C2013 4 2	EC6401	Electronic Circuits II	82 84	Direct	IAT, UNIV	2	3	2 5	3	2 7	3	3	2 82	94	2 78	2 80
						Indirect	EOC	2 85											
30	IV	C2013 4 3	EC6402	Communication Theory	79 07	Direct	IAT, UNIV	2 5	3	2 8	3	2 9	3	3	3	100	2 95	2 93
						Indirect	EOC	2 85											
31	IV	C2013 4 4	EC6403	Electromagnetic Fields	83 26	Direct	IAT, UNIV	2 5	2	3	3	2 7	3	3	2 94	98	2 86	2 85
						Indirect	EOC	2 85											
32	IV	C2013 4 5	EC6404	Linear Integrated Circuits	82	Direct	IAT, UNIV	3	2 6667	3	3	2 93	3	3	2 74	91 4	2 82	2 83
						Indirect	EOC	2 85											
33	IV	C2013 4 6	EC6405	Control System Engineering	87 02	Direct	IAT, UNIV	3	2 6667	3	3	2 5	3	3	2 88	96	2 88	2 87
						Indirect	EOC	2 85											
34	IV	L2013 1 1	EC6411	Circuit and Simulation Integrated Laboratory	99 58	Direct	IAT, UNIV	3	3		3		3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
35	IV	L2013 1 2	EC6412	Linear Integrated Circuit Laboratory	100	Direct	IAT, UNIV	3	3		3		3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
36	IV	L2013 1 3	EE6461	Electrical Engineering and Control System	100	Direct	IAT, UNIV	3	3	3	3		3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
38	V	C2013 5 1	EC6501	Digital Communication	90 76	Direct	IAT, UNIV	3	2 6667	3	3	3	3	3	2 8	93 48	2 86	2 86
						Indirect	EOC	2 85											
39	V	C2013 5 2	EC6502	Principles of Digital Signal Processing	77 31	Direct	IAT, UNIV	3	2 6667	3	3	3	3	3	2 91	97	2 93	2 91
						Indirect	EOC	2 85											
40	V	C2013 5 3	EC6503	Transmission Lines and Wave Guides	84 45	Direct	IAT, UNIV	2 5	2 3333	3	3	2 5	3	3	2 82	94	2 79	2 80
						Indirect	EOC	2 85											
41	V	C2013 5 4	GE6351	Environmental Science and Engineering	92 43	Direct	IAT, UNIV	3	2 6667	3	3	3	3	3	2 93	97 83	2 94	2 92
						Indirect	EOC	2 85											
42	V	C2013 5 5	EC6504	Microprocessor and Microcontroller	88 23	Direct	IAT, UNIV	3	2 6667	2 5	3	3	3	3	2 8	93 33	2 83	2 83
						Indirect	EOC	2 85											
43	V	L2013 5 1	EC6511	Digital Signal Processing Laboratory	100	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
44	V	L2013 5 2	EC6512	Communication System Laboratory	100	Direct	IAT, UNIV	3	3	3		3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
45	V	L2013 5 3	EC6513	Microprocessor and Microcontroller Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
47	VI	C2013 6 1	MG6851	Principles of Management	96 92	Direct	IAT, UNIV	3	3	3	3	2 5	3	3	2 94	98	2 93	2 92
						Indirect	EOC	2 85											
48	VI	C2013 6 2	CS6303	Computer Architecture	95 6	Direct	IAT, UNIV	3	3	3	3	2 5	3	3	2 67	89	2 77	2 79
						Indirect	EOC	2 85											
49	VI	C2013 6 3	CS6551	Computer Networks	87 71	Direct	IAT, UNIV	3	3	3	3	3	3	3	2 58	86	2 75	2 72
						Indirect	EOC	2 6											
50	VI	C2013 6 4	EC6601	VLSI Design	92 1	Direct	IAT, UNIV	2 5	2 5	2 5	2 5	2	3	3	3	100	2 82	2 83
						Indirect	EOC	2 85											
51	VI	C2013 6 5	EC6602	Antenna and Wave propagation	89 47	Direct	IAT, UNIV	3	3	3	3	2 5	3	3	3	100	2 97	2 95
						Indirect	EOC	2 85											
52	VI	C2013 6 6		Medical Electronics-Elective I		Direct	IAT, UNIV	3	2 6667	3	3	3	3	3	3	100	2 98	2 95
						Indirect	EOC	2 85											
53	VI	L2013 6 1	EC6611	Computer Networks Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											
54	VI	L2013 6 2	EC6612	VLSI Design Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85											

55	VI	L2013 6 3	GE6674	Communication and Soft Skills - Laboratory Based	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85										
57	VII	C2013 7 1	EC6701	RF and Microwave Engineerin g	91 62	Direct	IAT, UNIV	2 5	2	2 5	2	3	3	3	2 67	89	2 62	2 67
						Indirect	EOC	2 85										
58	VII	C2013 7 2	EC6702	Optical Communication and N etworks	90 3	Direct	IAT, UNIV	3	3	2 5	1	1	3	3	2 04	68	2 15	2 29
						Indirect	EOC	2 85										
59	VII	C2013 7 3	EC6703	Embedded and Real Time Syst ems		Direct	IAT, UNIV	2 5	3	3	3	3	3	3	2 46	82	2 65	2 69
						Indirect	EOC	2 85										
60	VII	C2013 7 4	EC6011	Electromagnetic Inteference and Compatibility	94 71	Direct	IAT, UNIV	3	2	2	2	3	3	3	2 67	89	2 62	2 67
						Indirect	EOC	2 85										
61	VII	C2013 7 5	EC6015	Radar and Navigational Aids		Direct	IAT, UNIV	2 5	3	3	3	2 5	3	3	2 1	70	2 40	2 49
						Indirect	EOC	2 85										
62	VII	C2013 7 6	EC6004	Satellite Communication	87 22	Direct	IAT, UNIV	2 5	2 66	3	3	3	3	3	2 1	70	2 41	2 50
						Indirect	EOC	2 85										
63	VII	L2013 7 1	EC6711	Embedded Laboratory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85										
64	VII	L2013 7 2	EC6712	Optical and Microwave Labora tory	100	Direct	IAT, UNIV	3	3	3	3	3	3	3	3	100	3 00	2 97
						Indirect	EOC	2 85										
66	VIII	C2013 8 1	EC6801	Wireless Communication	83 25	Direct	IAT, UNIV	2 5	3	2	3	2 5	3	3	2 79	93	2 75	2 77
						Indirect	EOC	2 85										
67	VIII	C2013 8 2	EC6802	Wireless Networks		Direct	IAT, UNIV	2 5	3	3	3	3	3	3	3	100	2 97	2 95
						Indirect	EOC	2 85										
68	VIII	C2013 8 3	GE6757	Total Quality Management	91 62	Direct	IAT, UNIV	2 5	3	2	3	2 5	3	3	3	100	2 88	2 87
						Indirect	EOC	2 85										
69	VIII	C2013 8 4	GE6075	Professional Ethics		Direct	IAT, UNIV	3	3	2	3	2 5	3	3	3	100	2 91	2 90
						Indirect	EOC	2 85										
70	VIII	L2013 8 1	EC6811	Project Work	100	Direct	REVIEWS	2 83	2 75	2 96	2 74	2 63			3	100	2 91	2 93
						Indirect	EOC	3										

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF EEE
COURSE OUTCOME ATTAINMENT 2012-2016

SEM	COURSE NAME	CO	A SECTION				B SECTION				OVERALL CO ATTAINMENT (%)
			DIRECT	INDIRECT	TOTAL	AVE	DIRECT	INDIRECT	TOTAL	AVE	
I	TECHNICAL ENGLISH – I	CO1	2.6	2.9	2.7	2.71	2.4	2.9	2.5	2.58	88.11
		CO2	2.7	2.9	2.7		2.8	2.9	2.8		
		CO3	2.7	3.0	2.8		2.5	3.0	2.6		
		CO4	2.4	3.0	2.5		2.5	3.0	2.6		
		CO5	2.8	3.0	2.8		2.2	3.0	2.4		
	MATHEMATICS – I	CO1	2.5	3.0	2.6	2.58	3.0	3.0	3.0	2.72	88.40
		CO2	2.5	3.0	2.6		2.6	3.0	2.7		
		CO3	2.5	2.8	2.6		2.7	2.8	2.7		
		CO4	2.7	3.0	2.8		2.7	3.0	2.8		
		CO5	2.3	2.7	2.4		2.4	2.7	2.5		
	ENGINEERING PHYSICS – I	CO1	2.0	3.0	2.2	2.39	2.0	3.0	2.2	2.28	77.88
		CO2	2.5	2.7	2.5		2.3	2.8	2.4		
		CO3	2.2	2.6	2.3		2.0	2.9	2.2		
		CO4	2.3	3.0	2.4		2.0	3.0	2.2		
		CO5	2.4	2.9	2.5		2.3	2.9	2.4		
	ENGINEERING CHEMISTRY I	CO1	2.3	2.9	2.4	2.31	2.5	2.9	2.6	2.49	79.97
		CO2	2.2	3.0	2.4		2.3	3.0	2.4		
		CO3	2.3	2.9	2.4		2.4	2.9	2.5		
		CO4	2.0	2.8	2.2		2.4	2.8	2.5		
		CO5	2.0	3.0	2.2		2.3	3.0	2.4		
	ENGINEERING GRAPHICS	CO1	2.4	2.9	2.5	2.49	2.4	2.9	2.5	2.43	81.92
		CO2	2.3	3.0	2.4		2.3	3.0	2.4		
		CO3	2.5	2.9	2.6		2.2	2.9	2.3		
		CO4	2.3	2.8	2.4		2.3	2.8	2.4		
		CO5	2.4	3.0	2.5		2.3	3.0	2.4		
	FUNDAMENTALS OF COMPUTING AND PROGRAMMING	CO1	2.4	2.9	2.5	2.43	2.2	2.9	2.3	2.48	81.89
		CO2	2.1	3.0	2.3		2.5	3.0	2.6		
		CO3	2.3	3.0	2.4		2.4	3.0	2.5		
		CO4	2.4	2.9	2.5		2.3	2.9	2.4		
		CO5	2.3	3.0	2.4		2.4	3.0	2.5		
	COMPUTER PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ENGINEERING PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	PHYSICS AND CHEMISTRY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		

	LABORATORY	CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
II	TECHNICAL ENGLISH- II	CO1	2.7	3.0	2.8		2.4	2.8	2.5			
		CO2	2.8	3.0	2.8		2.6	2.7	2.6			
		CO3	2.8	2.8	2.8	2.76	2.3	2.7	2.6	2.60	89.27	
		CO4	2.6	2.6	2.6		2.4	2.8	2.7			
		CO5	2.8	2.7	2.8		2.5	2.8	2.6			
	MATHEMATICS- II	CO1	2.4	3.0	2.5		2.3	2.8	2.4			
		CO2	2.5	3.0	2.6		2.5	2.7	2.6			
		CO3	2.2	2.8	2.3	2.43	1.8	2.6	2.6	2.54	82.80	
		CO4	2.3	2.7	2.4		2.5	2.7	2.5			
		CO5	2.2	2.8	2.3		2.4	2.7	2.6			
	ENGINEERING PHYSICS- II	CO1	2.0	3.0	2.2		2.5	3.0	2.6			
		CO2	2.5	3.0	2.6		2.4	3.0	2.5			
		CO3	2.1	2.9	2.3	2.44	2.3	2.6	2.4	2.49	82.13	
		CO4	2.7	2.8	2.7		2.4	2.7	2.5			
		CO5	2.3	2.8	2.4		2.5	2.6	2.5			
	ENGINEERING CHEMISTRY – II	CO1	2.4	3.0	2.5		2.6	2.6	2.6			
		CO2	2.3	3.0	2.4		2.3	2.8	2.4			
		CO3	2.1	2.8	2.2	2.38	2.1	2.6	2.2	2.45	80.40	
		CO4	2.1	2.4	2.2		2.7	2.6	2.7			
		CO5	2.5	2.6	2.5		2.3	2.6	2.4			
	BASIC CIVIL AND MECHANICAL ENGINEERING	CO1	2.4	2.8	2.5		2.4	3.0	2.5			
		CO2	2.3	2.6	2.4		2.3	3.0	2.5			
		CO3	2.4	2.7	2.5	2.50	2.4	2.9	2.4	2.52	83.60	
		CO4	2.5	3.0	2.6		2.4	2.9	2.5			
		CO5	2.6	2.6	2.6		2.6	3.0	2.7			
	CIRCUIT THEORY	CO1	2.4	3.0	2.5		2.4	3.0	2.5			
		CO2	2.3	2.9	2.4		2.2	2.9	2.3			
		CO3	2.3	3.0	2.4	2.42	2.1	3.0	2.3	2.32	78.96	
		CO4	2.2	2.9	2.3		2.1	2.9	2.3			
		CO5	2.2	3.0	2.4		2.0	3.0	2.2			
	PHYSICS AND C	CO1	3.0	3.0	3.0		3.0	3.0	3.0			
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	COMPUTER PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0			
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	ELECTRIC CIRC	CO1	3.0	3.0	3.0		3.0	3.0	3.0			
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	TRANSFORMS AND PARTIAL DIFFERENTIAL	CO1	1.9	2.9	2.1		2.1	2.9	2.3			
		CO2	2.5	3.0	2.6		2.7	3.0	2.8			
		CO3	2.8	2.9	2.8	2.47	2.6	2.9	2.7	2.45	82.03	

	EQUATIONS	CO4	2.2	3.0	2.4		2.1	3.0	2.3			
		CO5	2.4	2.8	2.5		2.2	2.8	2.3			
	DIGITAL LOGIC CIRCUITS	CO1	2.0	2.9	2.2	2.25	2.6	2.9	2.7	2.65	81.73	
		CO2	2.5	3.0	2.6		2.2	3.0	2.4			
		CO3	1.9	2.9	2.1		2.3	2.9	2.4			
		CO4	1.8	2.9	2.0		2.8	2.9	2.8			
		CO5	2.2	3.0	2.4		3.0	3.0	3.0			
	ELECTROMAGNETIC THEORY	CO1	2.4	3.0	2.5	2.40	2.7	3.0	2.8	2.24	77.28	
		CO2	2.1	2.9	2.3		2.1	2.9	2.3			
		CO3	2.0	3.0	2.2		1.8	3.0	2.0			
		CO4	2.4	2.9	2.5		1.8	2.9	2.0			
		CO5	2.4	2.9	2.5		1.9	2.9	2.1			
	ENVIRONMENTAL SCIENCE AND ENGINEERING	CO1	2.5	3.0	2.6	2.53	2.7	3.0	2.8	2.54	84.56	
		CO2	2.3	3.0	2.4		2.4	3.0	2.5			
		CO3	2.6	2.9	2.7		2.2	2.9	2.3			
		CO4	2.3	2.9	2.4		2.4	2.9	2.5			
III		CO5	2.4	3.0	2.5		2.5	3.0	2.6			
	ELECTRONICS DEVICES AND CIRCUITS	CO1	2.3	2.9	2.4	2.45	2.5	2.9	2.6	2.57	83.68	
		CO2	2.5	2.9	2.6		2.4	2.9	2.5			
		CO3	2.4	3.0	2.5		2.3	3.0	2.4			
		CO4	2.1	3.0	2.3		2.5	3.0	2.6			
		CO5	2.3	2.9	2.4		2.7	2.9	2.7			
	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	CO1	2.6	3.0	2.7	2.38	2.7	3.0	2.8	2.60	83.07	
		CO2	2.2	3.0	2.4		2.1	3.0	2.3			
		CO3	1.9	2.9	2.1		1.8	2.9	2.0			
		CO4	2.2	2.9	2.3		3.0	2.9	3.0			
		CO5	2.3	2.9	2.4		3.0	2.9	3.0			
	ELECTRONICS LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0		3.0	3.0	3.0			
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0		3.0	3.0	3.0			
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	NUMERICAL METHODS	CO1	2.1	3.0	2.3	2.25	3.0	2.9	3.0	2.84	84.81	
		CO2	2.0	3.0	2.2		2.9	2.8	2.9			
		CO3	2.0	3.0	2.2		2.8	2.9	2.8			
		CO4	2.1	2.9	2.3		2.8	2.9	2.8			
		CO5	2.2	2.8	2.3		2.6	3.0	2.7			
	ELECTRICAL MACHINES-I	CO 1	2.3	3.0	2.4	2.42	2.6	3.0	2.7	2.50	81.89	
		CO 2	2.5	2.9	2.6		2.4	2.9	2.5			
		CO 3	2.2	3.0	2.4		2.1	3.0	2.3			
		CO 4	2.3	2.9	2.4		2.4	2.9	2.5			
		CO 5	2.1	3.0	2.3		2.4	3.0	2.5			
	OBJECT ORIENTED PROGRAMMIN	CO1	2.0	2.9	2.2	2.49	2.7	2.9	2.7	2.60	84.85	
		CO2	2.4	2.9	2.5		2.5	2.9	2.6			
		CO3	2.6	3.0	2.7		2.6	3.0	2.7			

	G	CO4	2.3	2.9	2.4		2.5	2.9	2.6			
		CO5	2.6	2.9	2.7		2.3	2.9	2.4			
	TRANSMISSION AND DISTRIBUTION	CO1	3.0	3.0	3.0		2.5	3.0	2.6			
		CO2	2.4	2.9	2.5		2.6	2.9	2.7			
		CO3	1.8	2.9	2.0	2.51	2.4	2.9	2.5	2.57	84.71	
		CO4	2.1	3.0	2.3		2.4	3.0	2.5			
IV		CO5	2.7	2.9	2.7		2.5	2.9	2.6			
	DISCRETE TIME SYSTEM AND SIGNAL PROCESSING	CO1	3.0	2.9	3.0		2.7	3.0	2.8			
		CO2	2.1	3.0	2.3		2.5	2.9	2.6			
		CO3	1.8	2.9	2.0	2.55	2.4	2.9	2.5	2.65	86.68	
		CO4	2.4	2.9	2.5		2.6	3.0	2.7			
		CO5	3.0	2.8	3.0		2.7	2.8	2.7			
	MEASUREMENT AND INSRUMENTATION	CO1	2.4	2.8	2.5		2.7	2.8	2.7			
		CO2	2.3	2.8	2.4		2.7	2.8	2.7			
		CO3	2.4	3.0	2.5	2.53	2.8	3.0	2.8	2.82	89.07	
		CO4	2.6	2.9	2.7		2.8	2.9	2.8			
		CO5	2.5	2.9	2.6		3.0	2.9	3.0			
	OBJECT ORIENTED PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0			
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	ELECTRICAL MACHINES LABORATORY I	CO1	3.0	3.0	3.0		3.0	3.0	3.0			
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	POWER SYSTEM ANALYSIS	CO1	2.0	3.0	2.2		2.4	3.0	2.5			
		CO2	2.0	2.9	2.2		2.2	2.9	2.3			
		CO3	2.4	2.9	2.5	2.38	2.5	3.0	2.6	2.48	80.97	
		CO4	2.2	2.9	2.3		2.3	2.9	2.4			
		CO5	2.6	2.9	2.7		2.4	3.0	2.5			
	POWER ELECTRONICS	CO1	2.0	2.9	2.2		2.0	2.9	2.2			
		CO2	2.4	3.0	2.5		2.3	2.9	2.4			
		CO3	2.4	2.9	2.5	2.44	2.8	2.9	2.8	2.59	83.87	
		CO4	2.4	3.0	2.5		2.6	3.0	2.7			
		CO5	2.4	2.9	2.5		2.8	3.0	2.8			
	MICROPROCESSORS AND MICROCONTROLLERS	CO1	2.2	2.9	2.3		2.7	2.9	2.7			
		CO2	2.6	3.0	2.7		2.8	3.0	2.8			
		CO3	2.5	2.9	2.6	2.60	2.6	3.0	2.7	2.77	89.51	
		CO4	2.7	2.9	2.7		2.7	2.9	2.7			
		CO5	2.6	2.9	2.7		2.8	3.0	2.8			
	POWER PLANT ENGG	CO1	2.3	2.8	2.4		2.8	3.0	2.8			
		CO2	2.6	3.0	2.7		2.6	2.9	2.7			
		CO3	2.7	2.9	2.7	2.62	2.4	2.9	2.5	2.72	89.00	
		CO4	2.6	2.8	2.6		2.8	3.0	2.8			
		CO5	2.6	2.9	2.7		2.7	3.0	2.8			
	ELECTRICALMACHINES-II	CO1	2.7	2.8	2.7		2.4	3.0	2.5			
		CO2	2.6	3.0	2.7		2.6	3.0	2.7			
V		CO3	2.5	2.9	2.6	2.60	2.7	2.9	2.7	2.64	87.33	

		CO4	2.6	2.9	2.7		2.4	2.9	2.5		
		CO5	2.2	3.0	2.4		2.7	3.0	2.8		
	CONTROL SYSTEM	CO1	2.7	2.9	2.7		1.9	2.9	2.1		
		CO2	2.3	2.9	2.4		2.1	2.9	2.3		
		CO3	2.4	2.9	2.5	**2.54**	1.9	2.9	2.1	**2.24**	**79.60**
		CO4	2.5	3.0	2.6		2.3	3.0	2.4		
		CO5	2.3	3.0	2.4		2.1	3.0	2.3		
	CONTROL AND INSTRUMENTATION LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	**3.00**	3.0	3.0	3.0	**3.00**	**100.00**
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMMUNICATION AND SOFT SKILLS-LABORATORY BASED	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	**3.00**	3.0	3.0	3.0	**3.00**	**100.00**
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ELECTRICAL MACHINES LABORATORY – II	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	**3.00**	3.0	3.0	3.0	**3.00**	**100.00**
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMMUNICATION ENGG	CO1	2.6	2.9	2.7		2.7	2.9	2.7		
		CO2	2.2	2.9	2.3		2.4	2.9	2.5		
		CO3	1.8	3.0	2.0	**2.43**	2.2	3.0	2.4	**2.43**	**81.01**
		CO4	2.6	2.9	2.7		2.1	2.9	2.3		
		CO5	2.3	3.0	2.4		2.1	3.0	2.3		
	SOLID STATE DRIVES	CO1	2.3	3.0	2.4		2.7	2.9	2.7		
		CO2	2.7	2.9	2.7		2.1	2.9	2.3		
		CO3	2.2	3.0	2.4	**2.54**	1.8	3.0	2.0	**2.55**	**84.97**
		CO4	2.3	2.9	2.4		3.0	2.9	3.0		
		CO5	2.7	3.0	2.8		2.7	2.9	2.7		
	EMBEDDED SYSTEM	CO1	2.3	3.0	2.4		2.7	2.9	2.7		
		CO2	2.4	2.9	2.5		2.1	2.8	2.2		
		CO3	2.2	2.8	2.3	**2.42**	1.8	3.0	2.0	**2.55**	**82.83**
		CO4	2.2	2.9	2.3		3.0	2.9	3.0		
		CO5	2.4	3.0	2.5		2.7	2.9	2.7		
	POWER SYSTEM OPERATION OPERATION AND CONTROL	CO1	2.3	3.0	2.4		2.7	3.0	2.8		
		CO2	2.3	2.9	2.4		2.4	2.9	2.5		
		CO3	2.1	2.9	2.3	**2.49**	3.0	2.9	3.0	**2.80**	**88.13**
		CO4	2.6	3.0	2.7		3.0	3.0	3.0		
		CO5	2.6	2.9	2.7		2.7	2.9	2.7		
VI	DESIGN OF ELECTRICAL MACHINES	CO1	2.6	3.0	2.7		2.7	3.0	2.8		
		CO2	2.3	2.9	2.4		2.4	2.9	2.5		
		CO3	2.4	2.8	2.5	**2.44**	2.3	2.9	2.4	**2.56**	**83.29**
		CO4	2.2	2.9	2.3		2.2	3.0	2.4		
		CO5	2.1	3.0	2.3		2.7	2.9	2.7		
	POWER SYSTEM	CO1	2.6	3.0	2.7		2.7	2.8	2.7		
		CO2	2.7	3.0	2.8		2.1	2.9	2.3		
		CO3	2.6	3.0	2.7	**2.62**	1.8	3.0	2.0	**2.55**	**86.27**

	TRANSIENTS	CO4	2.4	2.8	2.5		3.0	2.8	3.0			
		CO5	2.4	3.0	2.5		2.7	3.0	2.8			
	POWER ELECTRONICS AND DRIVES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0		3.0	3.0	3.0			
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0		3.0	3.0	3.0			
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	PRESENTATION SKILLS AND TECHNICAL SEMINAR.	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0		3.0	3.0	3.0			
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
VII	HIGH VOLTAGE ENGINEERING	CO1	2.3	2.9	2.4	2.30	2.1	2.9	2.3	2.41	78.37	
		CO2	1.9	2.8	2.1		2.5	2.8	2.6			
		CO3	2.1	3.0	2.3		2.4	3.0	2.5			
		CO4	2.3	3.0	2.4		2.1	3.0	2.3			
		CO5	2.1	2.9	2.3		2.3	2.9	2.4			
	PRINCIPLES OF MANAGEMENT	CO1	2.3	3.0	2.4	2.64	2.6	2.9	2.7	2.63	87.80	
		CO2	2.4	3.0	2.5		2.7	3.0	2.8			
		CO3	2.6	2.9	2.7		2.5	2.9	2.6			
		CO4	2.8	2.9	2.8		2.5	3.0	2.6			
		CO5	2.7	3.0	2.8		2.4	3.0	2.5			
	PROTECTION AND SWITCH GEAR	CO1	2.6	3.0	2.7	2.62	2.2	2.9	2.3	2.51	85.55	
		CO2	2.3	3.0	2.4		2.3	2.9	2.4			
		CO3	3.0	3.0	3.0		3.0	3.0	3.0			
		CO4	2.5	2.9	2.6		2.3	2.9	2.4			
		CO5	2.3	2.9	2.4		2.2	3.0	2.4			
	SPECIAL ELECTRICAL MACHINES	CO1	2.3	2.9	2.4	2.48	2.5	2.9	2.6	2.23	78.48	
		CO2	2.4	2.9	2.5		2.4	2.9	2.5			
		CO3	2.6	3.0	2.7		1.8	3.0	2.0			
		CO4	2.2	2.8	2.3		1.8	2.8	2.0			
		CO5	2.4	2.9	2.5		1.8	2.9	2.0			
	POWER QUALITY	CO1	3.0	2.8	3.0	2.58	2.7	2.8	2.7	2.71	88.24	
		CO2	2.5	2.9	2.6		3.0	2.9	3.0			
		CO3	2.3	3.0	2.4		2.6	3.0	2.7			
		CO4	2.3	3.0	2.4		2.4	3.0	2.5			
		CO5	2.4	2.9	2.5		2.6	2.9	2.7			
	MICRO ELECTRO MECHANICAL SYSTEM	CO1	2.3	2.8	2.4	2.48	3.0	2.8	3.0	2.50	83.01	
		CO2	2.4	3.0	2.5		2.4	3.0	2.5			
		CO3	2.6	2.9	2.7		2.1	2.9	2.3			
		CO4	2.2	2.8	2.3		2.4	2.8	2.5			
		CO5	2.4	2.9	2.5		2.1	2.9	2.3			
	POWER SYSTEM SIMULATION	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0		3.0	3.0	3.0			

	LABORATORY	CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMPREHENSION	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
VIII	ELECTRIC ENERGY GENERATION, UTILISATION & CONSERVATIO	CO1	3.0	2.9	3.0	2.80	2.6	2.9	2.7	2.59	89.73
		CO2	3.0	2.9	3.0		2.7	2.9	2.7		
		CO3	2.4	3.0	2.5		2.7	3.0	2.8		
		CO4	2.4	2.9	2.5		2.3	2.9	2.4		
		CO5	3.0	3.0	3.0		2.2	3.0	2.4		
	POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS	CO1	2.7	3.0	2.8	2.54	2.4	3.0	2.5	2.58	85.36
		CO2	2.3	3.0	2.4		2.6	3.0	2.7		
		CO3	2.3	2.9	2.4		2.4	2.9	2.5		
		CO4	2.4	2.9	2.5		2.7	2.9	2.7		
		CO5	2.5	3.0	2.6		2.3	3.0	2.4		
	PROFESSIONAL ETHICS IN ENGINEERING	CO1	2.4	3.0	2.5	2.58	2.3	3.0	2.4	2.54	85.36
		CO2	2.6	2.9	2.7		2.4	2.9	2.5		
		CO3	2.4	2.9	2.5		2.5	2.9	2.6		
		CO4	2.7	3.0	2.8		2.6	3.0	2.7		
		CO5	2.3	3.0	2.4		2.4	3.0	2.5		
	PROJECT WORK	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF EEE

COURSE OUTCOME ATTAINMENT 2013-2017

SEM	COURSE NAME	CO	A SECTION				B SECTION				OVERALL CO ATTAINMENT(%)
			DIRECT	INDIRECT	TOTAL	AVE	DIRECT	INDIRECT	TOTAL	AVE	
I	TECHNICAL ENGLISH – I	CO1	2.8	2.9	2.8	2.64	2.5	2.9	2.6	2.55	86.51
		CO2	2.6	2.9	2.7		2.5	2.9	2.6		
		CO3	2.4	3.0	2.5		2.4	3.0	2.5		
		CO4	2.6	3.0	2.7		2.5	3.0	2.6		
		CO5	2.4	3.0	2.5		2.3	3.0	2.4		
	MATHEMATICS – I	CO1	2.5	3.0	2.6	2.49	3.0	3.0	3.0	2.72	86.95
		CO2	2.3	3.0	2.4		2.6	2.9	2.7		
		CO3	2.2	2.9	2.3		2.7	2.9	2.7		
		CO4	2.6	3.0	2.7		2.7	2.8	2.7		
		CO5	2.3	2.9	2.4		2.4	2.9	2.5		
	ENGINEERING PHYSICS – I	CO1	2.0	3.0	2.2	2.26	3.0	3.0	3.0	2.63	81.57
		CO2	2.5	2.8	2.6		2.3	2.8	2.4		
		CO3	2.0	2.9	2.2		2.5	2.9	2.6		
		CO4	2.5	3.0	2.6		2.5	3.0	2.6		
		CO5	1.5	2.9	1.8		2.5	2.9	2.6		
	ENGINEERING CHEMISTRY I	CO1	2.4	2.9	2.5	2.26	2.7	2.9	2.7	2.49	79.17
		CO2	2.1	3.0	2.3		2.3	3.0	2.4		
		CO3	2.0	2.9	2.2		2.3	2.9	2.4		
		CO4	2.0	2.8	2.2		2.3	2.8	2.4		
		CO5	2.0	3.0	2.2		2.3	3.0	2.4		
	ENGINEERING GRAPHICS	CO1	2.4	2.9	2.5	2.51	2.4	2.9	2.5	2.43	82.19
		CO2	2.3	3.0	2.4		2.3	3.0	2.4		
		CO3	2.5	2.9	2.6		2.2	2.9	2.3		
		CO4	2.4	2.8	2.5		2.3	2.8	2.4		
		CO5	2.4	3.0	2.5		2.3	3.0	2.4		
	FUNDAMENTALS OF COMPUTING AND PROGRAMMING	CO1	2.4	2.9	2.5	2.42	2.3	2.9	2.4	2.50	81.89
		CO2	2.1	3.0	2.3		2.5	3.0	2.6		
		CO3	2.2	3.0	2.4		2.4	3.0	2.5		
		CO4	2.4	2.9	2.5		2.3	2.9	2.4		
		CO5	2.3	3.0	2.4		2.4	3.0	2.5		
	COMPUTER PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ENGINEERING PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	PHYSICS AND CHEMISTRY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		

	LABORATORY	CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	TECHNICAL ENGLISH- II	CO1	2.3	1.4	2.1		2.4	1.4	2.2		
		CO2	2.4	1.4	2.2		2.6	1.6	2.4		
		CO3	2.3	1.4	2.1	2.30	2.3	1.4	2.1	2.38	78.01
		CO4	2.6	2.9	2.7		2.4	2.9	2.5		
		CO5	2.3	2.9	2.4		2.6	2.9	2.7		
	MATHEMATICS-II	CO1	2.4	3.0	2.5		3.0	2.9	3.0		
		CO2	2.3	3.0	2.4		2.8	2.9	2.8		
		CO3	2.2	2.9	2.3	2.35	2.7	2.9	2.7	2.75	85.00
		CO4	2.1	2.8	2.2		2.7	2.8	2.7		
		CO5	2.0	2.9	2.2		2.4	2.9	2.5		
	ENGINEERING PHYSICS- II	CO1	2.0	3.0	2.2		3.0	3.0	3.0		
		CO2	2.5	3.0	2.6		2.8	3.0	2.8		
		CO3	2.0	2.9	2.2	2.27	2.7	2.9	2.7	2.77	83.95
		CO4	2.5	2.9	2.6		2.7	2.9	2.7		
		CO5	1.5	2.9	1.8		2.4	2.9	2.5		
	ENGINEERING CHEMISTRY – II	CO1	2.5	3.0	2.6		2.7	3.0	2.8		
		CO2	2.3	3.0	2.4		2.3	3.0	2.4		
		CO3	2.1	2.9	2.3	2.40	2.0	2.9	2.2	2.51	81.89
		CO4	2.1	2.9	2.3		2.7	2.9	2.7		
		CO5	2.3	3.0	2.4		2.3	3.0	2.4		
II	BASIC CIVIL AND MECHANICAL ENGINEERING	CO1	2.4	2.9	2.5		2.4	3.0	2.5		
		CO2	2.3	2.9	2.4		2.3	3.0	2.4		
		CO3	2.2	2.9	2.3	2.50	2.3	2.9	2.4	2.51	83.60
		CO4	2.5	3.0	2.6		2.4	2.9	2.5		
		CO5	2.6	2.9	2.7		2.6	3.0	2.7		
	CIRCUIT THEORY	CO1	2.4	3.0	2.5		2.4	3.0	2.5		
		CO2	2.2	2.9	2.3		2.2	2.9	2.3		
		CO3	2.1	3.0	2.3	2.29	2.1	3.0	2.3	2.29	76.29
		CO4	1.9	2.9	2.1		1.9	2.9	2.1		
		CO5	2.0	3.0	2.2		2.0	3.0	2.2		
	PHYSICS AND CHE	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMPUTER PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ELECTRIC CIRCUI	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	TRANSFORMS AND PARTIAL DIFFERENTIAL	CO1	1.9	2.9	2.1		2.1	2.9	2.3		
		CO2	2.5	3.0	2.6		2.7	3.0	2.8		
		CO3	2.8	2.9	2.8	2.47	2.8	2.9	2.8	2.45	82.03

EQUATIONS	CO4	2.2	3.0	2.4		1.9	3.0	2.1		
	CO5	2.4	2.8	2.5		2.2	2.8	2.3		
DIGITAL LOGIC CIRCUITS	CO1	2.0	2.9	2.2		2.6	2.9	2.7		
	CO2	2.5	3.0	2.6		2.1	3.0	2.3		
	CO3	1.9	2.9	2.1	**2.25**	2.0	2.9	2.2	**2.59**	**80.67**
	CO4	1.8	2.9	2.0		2.8	2.9	2.8		
	CO5	2.2	3.0	2.4		3.0	3.0	3.0		
ELECTROMAGNETIC THEORY	CO1	2.4	3.0	2.5		2.7	3.0	2.8		
	CO2	2.1	2.9	2.3		2.1	2.9	2.3		
	CO3	2.0	3.0	2.2	**2.40**	1.8	3.0	2.0	**2.24**	**77.28**
	CO4	2.4	2.9	2.5		1.8	2.9	2.0		
	CO5	2.4	2.9	2.5		1.9	2.9	2.1		
ENVIRONMENTAL SCIENCE AND ENGINEERING	CO1	2.5	3.0	2.6		2.7	3.0	2.8		
	CO2	2.3	3.0	2.4		2.4	3.0	2.5		
	CO3	2.6	2.9	2.7	**2.53**	2.2	2.9	2.3	**2.54**	**84.56**
	CO4	2.3	2.9	2.4		2.4	2.9	2.5		
	CO5	2.4	3.0	2.5		2.5	3.0	2.6		
ELECTRONICS DEVICES AND CIRCUITS	CO1	2.3	2.9	2.4		2.5	2.9	2.6		
	CO2	2.5	2.9	2.6		2.4	2.9	2.5		
	CO3	2.4	3.0	2.5	**2.45**	2.3	3.0	2.4	**2.57**	**83.68**
	CO4	2.1	3.0	2.3		2.5	3.0	2.6		
	CO5	2.3	2.9	2.4		2.7	2.9	2.7		
LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	CO1	2.6	3.0	2.7		2.7	3.0	2.8		
	CO2	2.2	3.0	2.4		2.1	3.0	2.3		
	CO3	1.9	2.9	2.1	**2.38**	1.8	2.9	2.0	**2.60**	**83.07**
	CO4	2.2	2.9	2.3		3.0	2.9	3.0		
	CO5	2.3	2.9	2.4		3.0	2.9	3.0		
ELECTRONICS LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
	CO2	3.0	3.0	3.0		3.0	3.0	3.0		
	CO3	3.0	3.0	3.0	**3.00**	3.0	3.0	3.0	**3.00**	**100.00**
	CO4	3.0	3.0	3.0		3.0	3.0	3.0		
	CO5	3.0	3.0	3.0		3.0	3.0	3.0		
LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
	CO2	3.0	3.0	3.0		3.0	3.0	3.0		
	CO3	3.0	3.0	3.0	**3.00**	3.0	3.0	3.0	**3.00**	**100.00**
	CO4	3.0	3.0	3.0		3.0	3.0	3.0		
	CO5	3.0	3.0	3.0		3.0	3.0	3.0		
NUMERICAL METHODS	CO1	2.1	3.0	2.3		3.0	2.9	3.0		
	CO2	2.0	3.0	2.2		3.0	2.8	3.0		
	CO3	2.0	3.0	2.2	**2.25**	2.0	2.9	2.2	**2.77**	**83.75**
	CO4	2.1	2.9	2.3		3.0	2.9	3.0		
	CO5	2.2	2.8	2.3		2.7	3.0	2.8		
ELECTRICAL MACHINES-I	CO 1	2.3	3.0	2.4		2.7	3.0	2.8		
	CO 2	2.5	2.9	2.6		2.4	2.9	2.5		
	CO 3	2.2	3.0	2.4	**2.42**	2.1	3.0	2.3	**2.51**	**82.16**
	CO 4	2.3	2.9	2.4		2.4	2.9	2.5		
	CO 5	2.1	3.0	2.3		2.4	3.0	2.5		
OBJECT ORIENTED	CO1	2.0	2.9	2.2		2.7	2.9	2.7		
	CO2	2.4	2.9	2.5		3.0	2.9	3.0		
	CO3	2.6	3.0	2.7	**2.49**	3.0	3.0	3.0	**2.83**	**88.59**

	PROGRAMMING	CO4	2.3	2.9	2.4		3.0	2.9	3.0			
		CO5	2.6	2.9	2.7		2.3	2.9	2.4			
	TRANSMISSION AND DISTRIBUTION	CO1	3.0	3.0	3.0		2.5	3.0	2.6			
		CO2	2.4	2.9	2.5		3.0	2.9	3.0			
		CO3	1.8	2.9	2.0	**2.51**	2.4	2.9	2.5	**2.64**	**85.77**	
		CO4	2.1	3.0	2.3		2.4	3.0	2.5			
IV		CO5	2.7	2.9	2.7		2.5	2.9	2.6			
	DISCRETE TIME SYSTEM AND SIGNAL PROCESSING	CO1	3.0	2.9	3.0		2.7	3.0	2.8			
		CO2	2.1	3.0	2.3		3.0	2.9	3.0			
		CO3	1.8	2.9	2.0	**2.55**	2.4	2.9	2.5	**2.79**	**89.08**	
		CO4	2.4	2.9	2.5		3.0	3.0	3.0			
		CO5	3.0	2.8	3.0		2.7	2.8	2.7			
	MEASUREMENT AND INSRUMENTATION	CO1	2.4	2.8	2.5		2.7	2.8	2.7			
		CO2	2.3	2.8	2.4		2.7	2.8	2.7			
		CO3	2.4	3.0	2.5	**2.53**	2.8	3.0	2.8	**2.82**	**89.07**	
		CO4	2.6	2.9	2.7		2.8	2.9	2.8			
		CO5	2.5	2.9	2.6		3.0	2.9	3.0			
	OBJECT ORIENTED PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0			
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0	**3.00**	3.0	3.0	3.0	**3.00**	**100.00**	
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	ELECTRICAL MACHINES LABORATORY - I	CO1	3.0	3.0	3.0		3.0	3.0	3.0			
		CO2	3.0	3.0	3.0		3.0	3.0	3.0			
		CO3	3.0	3.0	3.0	**3.00**	3.0	3.0	3.0	**3.00**	**100.00**	
		CO4	3.0	3.0	3.0		3.0	3.0	3.0			
		CO5	3.0	3.0	3.0		3.0	3.0	3.0			
	POWER SYSTEM ANALYSIS	CO1	2.0	3.0	2.2		2.4	3.0	2.5			
		CO2	2.0	2.9	2.2		2.2	2.9	2.3			
		CO3	1.4	2.9	1.7	**2.19**	2.5	3.0	2.6	**2.48**	**77.77**	
		CO4	2.0	2.9	2.2		2.3	2.9	2.4			
		CO5	2.6	2.9	2.7		2.4	3.0	2.5			
	POWER ELECTRONICS	CO1	1.8	2.9	2.0		2.0	2.9	2.2			
		CO2	2.4	3.0	2.5		2.3	2.9	2.4			
		CO3	2.4	2.9	2.5	**2.41**	2.8	2.9	2.8	**2.59**	**83.33**	
		CO4	2.4	3.0	2.5		2.6	3.0	2.7			
		CO5	2.4	2.9	2.5		2.8	3.0	2.8			
	MICROPROCESSORS AND MICROCONTROLLERS	CO1	2.7	2.9	2.7		2.7	2.9	2.7			
		CO2	2.6	3.0	2.7		2.8	3.0	2.8			
		CO3	2.5	2.9	2.6	**2.68**	2.6	3.0	2.7	**2.77**	**90.84**	
		CO4	2.7	2.9	2.7		2.7	2.9	2.7			
		CO5	2.6	2.9	2.7		2.8	3.0	2.8			
	POWER PLANT ENGG	CO1	2.3	2.8	2.4		2.8	3.0	2.8			
		CO2	2.6	3.0	2.7		2.6	2.9	2.7			
		CO3	2.7	2.9	2.7	**2.62**	2.4	2.9	2.5	**2.72**	**89.00**	
		CO4	2.6	2.8	2.6		2.8	3.0	2.8			
		CO5	2.6	2.9	2.7		2.7	3.0	2.8			
	ELECTRICALMACHINES-II	CO1	2.7	2.8	2.7		2.4	3.0	2.5			
V		CO2	2.6	3.0	2.7		2.6	3.0	2.7			
		CO3	2.5	2.9	2.6	**2.60**	2.7	3.0				

	CO4	2.6	2.9	2.7		2.4	2.9	2.5		
	CO5	2.2	3.0	2.4		2.7	3.0	2.8		
CONTROL SYSTEM	CO1	2.7	2.9	2.7		1.9	2.9	2.1		
	CO2	2.3	2.9	2.4		2.1	2.9	2.3		
	CO3	2.4	2.9	2.5	2.54	1.9	2.9	2.1	2.24	79.60
	CO4	2.5	3.0	2.6		2.3	3.0	2.4		
	CO5	2.3	3.0	2.4		2.1	3.0	2.3		
CONTROL AND INSTRUMENTATION LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
	CO2	3.0	3.0	3.0		3.0	3.0	3.0		
	CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
	CO4	3.0	3.0	3.0		3.0	3.0	3.0		
	CO5	3.0	3.0	3.0		3.0	3.0	3.0		
COMMUNICATION AND SOFT SKILLS-LABORATORY BASED	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
	CO2	3.0	3.0	3.0		3.0	3.0	3.0		
	CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
	CO4	3.0	3.0	3.0		3.0	3.0	3.0		
	CO5	3.0	3.0	3.0		3.0	3.0	3.0		
ELECTRICAL MACHINES LABORATORY – II	CO1	2.3	2.9	2.4		3.0	3.0	3.0		
	CO2	2.6	2.9	2.7		3.0	3.0	3.0		
	CO3	2.5	2.9	2.6	2.55	3.0	3.0	3.0	3.00	92.56
	CO4	2.4	3.0	2.5		3.0	3.0	3.0		
	CO5	2.5	2.9	2.6		3.0	3.0	3.0		
VI	COMMUNICATION ENGG	CO1	2.6	2.9	2.7		2.7	2.9	2.7		
		CO2	2.2	2.9	2.3		2.4	2.9	2.5		
		CO3	1.8	3.0	2.0	2.43	1.8	3.0	2.0	2.37	79.95
		CO4	2.6	2.9	2.7		2.1	2.9	2.3		
		CO5	2.3	3.0	2.4		2.1	3.0	2.3		
	SOLID STATE DRIVES	CO1	3.0	3.0	3.0		2.7	2.9	2.7		
		CO2	2.7	2.9	2.7		2.1	2.9	2.3		
		CO3	2.2	3.0	2.4	2.66	1.8	3.0	2.0	2.55	86.84
		CO4	2.3	2.9	2.4		3.0	2.9	3.0		
		CO5	2.7	3.0	2.8		2.7	2.9	2.7		
	EMBEDDED SYSTEM	CO1	2.3	3.0	2.4		2.7	2.9	2.7		
		CO2	2.4	2.9	2.5		2.1	2.8	2.2		
		CO3	2.2	2.8	2.3	2.42	1.8	3.0	2.0	2.55	82.83
		CO4	2.2	2.9	2.3		3.0	2.9	3.0		
		CO5	2.4	3.0	2.5		2.7	2.9	2.7		
	POWER SYSTEM OPERATION OPERATION AND CONTROL	CO1	3.0	3.0	3.0		2.7	3.0	2.8		
		CO2	2.3	2.9	2.4		2.4	2.9	2.5		
		CO3	2.1	2.9	2.3	2.60	3.0	2.9	3.0	2.80	90.00
		CO4	2.6	3.0	2.7		3.0	3.0	3.0		
		CO5	2.6	2.9	2.7		2.7	2.9	2.7		
	DESIGN OF ELECTRICAL MACHINES	CO1	2.6	3.0	2.7		2.7	3.0	2.8		
		CO2	2.3	2.9	2.4		2.4	2.9	2.5		
		CO3	2.4	2.8	2.5	2.44	2.3	2.9	2.4	2.56	83.29
		CO4	2.2	2.9	2.3		2.2	3.0	2.4		
		CO5	2.1	3.0	2.3		2.7	2.9	2.7		
	POWER SYSTEM TRANSIENTS	CO1	2.6	3.0	2.7		2.7	2.8	2.7		
		CO2	2.7	3.0	2.8		2.1	2.9	2.3		
		CO3	2.6	3.0	2.7	2.62	1.8	3.0	2.0	2.55	86.27

		CO4	2.4	2.8	2.5		3.0	2.8	3.0		
		CO5	2.4	3.0	2.5		2.7	3.0	2.8		
	POWER ELECTRONICS AND DRIVES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	PRESENTATION SKILLS AND TECHNICAL SEMINAR.	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
VII	HIGH VOLTAGE ENGINEERING	CO1	2.3	2.9	2.4	2.30	2.1	2.9	2.3	2.41	78.37
		CO2	1.9	2.8	2.1		2.5	2.8	2.6		
		CO3	2.1	3.0	2.3		2.4	3.0	2.5		
		CO4	2.3	3.0	2.4		2.1	3.0	2.3		
		CO5	2.1	2.9	2.3		2.3	2.9	2.4		
	PRINCIPLES OF MANAGEMENT	CO1	2.3	3.0	2.4	2.64	2.6	2.9	2.7	2.63	87.80
		CO2	2.4	3.0	2.5		2.7	3.0	2.8		
		CO3	2.6	2.9	2.7		2.5	2.9	2.6		
		CO4	2.8	2.9	2.8		2.5	3.0	2.6		
		CO5	2.7	3.0	2.8		2.4	3.0	2.5		
	PROTECTION AND SWITCH GEAR	CO1	2.6	3.0	2.7	2.62	2.2	2.9	2.3	2.51	85.55
		CO2	2.3	3.0	2.4		2.3	2.9	2.4		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	2.5	2.9	2.6		2.3	2.9	2.4		
		CO5	2.3	2.9	2.4		2.2	3.0	2.4		
	SPECIAL ELECTRICAL MACHINES	CO1	2.3	2.9	2.4	2.48	2.5	2.9	2.6	2.23	78.48
		CO2	2.4	2.9	2.5		2.4	2.9	2.5		
		CO3	2.6	3.0	2.7		1.8	3.0	2.0		
		CO4	2.2	2.8	2.3		1.8	2.8	2.0		
		CO5	2.4	2.9	2.5		1.8	2.9	2.0		
	POWER QUALITY	CO1	2.1	2.8	2.2	2.44	2.7	2.8	2.7	2.71	85.84
		CO2	2.7	2.9	2.7		3.0	2.9	3.0		
		CO3	2.2	3.0	2.4		2.6	3.0	2.7		
		CO4	2.2	3.0	2.4		2.4	3.0	2.5		
		CO5	2.4	2.9	2.5		2.6	2.9	2.7		
	MICRO ELECTRO MECHANICAL SYSTEM	CO1	2.7	2.8	2.7	2.45	3.0	2.8	3.0	2.50	82.48
		CO2	2.4	3.0	2.5		2.4	3.0	2.5		
		CO3	2.3	2.9	2.4		2.1	2.9	2.3		
		CO4	2.0	2.8	2.2		2.4	2.8	2.5		
		CO5	2.3	2.9	2.4		2.1	2.9	2.3		
	POWER SYSTEM SIMULATION	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		

LABORATORY	CO4	3.0	3.0	3.0		3.0	3.0	3.0			
	CO5	3.0	3.0	3.0		3.0	3.0	3.0			
COMPREHENSION	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
	CO2	3.0	3.0	3.0		3.0	3.0	3.0			
	CO3	3.0	3.0	3.0		3.0	3.0	3.0			
	CO4	3.0	3.0	3.0		3.0	3.0	3.0			
	CO5	3.0	3.0	3.0		3.0	3.0	3.0			
ELECTRIC ENERGY GENERATION, UTILISATION & CONSERVATION	CO1	2.4	2.9	2.5	2.75	2.5	2.9	2.6	2.68	90.53	
	CO2	2.4	2.9	2.5		2.6	2.9	2.7			
	CO3	3.0	3.0	3.0		2.6	3.0	2.7			
	CO4	2.7	2.9	2.7		2.7	2.9	2.7			
	CO5	3.0	3.0	3.0		2.7	3.0	2.8			
POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS	CO1	2.3	3.0	2.4	2.61	2.3	3.0	2.4	2.54	85.89	
	CO2	2.6	3.0	2.7		2.2	3.0	2.4			
	CO3	2.4	2.9	2.5		2.7	2.9	2.7			
	CO4	2.7	2.9	2.7		2.4	2.9	2.5			
	CO5	2.6	3.0	2.7		2.6	3.0	2.7			
PROFESSIONAL ETHICS IN ENGINEERING	CO1	2.4	3.0	2.5	2.58	2.3	3.0	2.4	2.54	85.36	
	CO2	2.6	2.9	2.7		2.4	2.9	2.5			
	CO3	2.4	2.9	2.5		2.5	2.9	2.6			
	CO4	2.7	3.0	2.8		2.6	3.0	2.7			
	CO5	2.3	3.0	2.4		2.4	3.0	2.5			
PROJECT WORK	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00	
	CO2	3.0	3.0	3.0		3.0	3.0	3.0			
	CO3	3.0	3.0	3.0		3.0	3.0	3.0			
	CO4	3.0	3.0	3.0		3.0	3.0	3.0			
	CO5	3.0	3.0	3.0		3.0	3.0	3.0			

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF EEE

COURSE OUTCOME ATTAINMENT 2014-2018 BATCH

SEM	COURSE NAME	CO	SECTION A				SECTION B				OVERALL CO ATTAINMENT (%)
			DIRECT	INDIRECT	TOTAL	AVE	DIRECT	INDIRECT	TOTAL	AVE	
I	TECHNICAL ENGLISH – I	CO1	2.6	2.9	2.7	2.60	2.5	3.0	2.6	2.65	87.45
		CO2	2.4	2.9	2.5		2.5	3.0	2.6		
		CO3	2.6	3.0	2.7		2.6	2.9	2.7		
		CO4	2.4	3.0	2.5		2.8	2.9	2.8		
		CO5	2.5	3.0	2.6		2.5	2.9	2.6		
	MATHEMATICS – I	CO1	2.6	3.0	2.7	2.53	2.8	2.9	2.8	2.56	84.84
		CO2	2.5	2.9	2.6		2.6	2.9	2.7		
		CO3	2.3	2.9	2.4		2.3	2.8	2.4		
		CO4	2.4	2.8	2.5		2.3	2.9	2.4		
		CO5	2.4	2.9	2.5		2.4	2.9	2.5		
	ENGINEERING PHYSICS – I	CO1	2.3	3.0	2.4	2.38	2.6	3.0	2.7	2.52	81.55
		CO2	2.2	2.8	2.3		2.3	2.9	2.4		
		CO3	2.6	2.9	2.7		2.0	3.0	2.2		
		CO4	2.1	3.0	2.3		2.5	3.0	2.6		
		CO5	2.0	2.9	2.2		2.6	3.0	2.7		
	ENGINEERING CHEMISTRY I	CO1	2.2	2.9	2.3	2.54	2.5	2.9	2.6	2.58	85.31
		CO2	3.0	3.0	3.0		2.6	3.0	2.7		
		CO3	2.4	2.9	2.5		2.3	3.0	2.4		
		CO4	2.4	2.8	2.5		2.8	2.8	2.8		
		CO5	2.2	3.0	2.4		2.3	2.9	2.4		
	ENGINEERING GRAPHICS	CO1	2.3	2.9	2.4	2.44	2.6	2.9	2.7	2.50	82.33
		CO2	2.6	3.0	2.7		2.6	2.9	2.7		
		CO3	2.2	2.9	2.3		2.4	2.9	2.5		
		CO4	2.3	2.8	2.4		2.4	2.8	2.5		
		CO5	2.2	3.0	2.4		2.0	2.9	2.2		
	FUNDAMENTALS OF COMPUTING AND PROGRAMMING	CO1	2.5	2.9	2.6	2.54	2.5	2.9	2.6	2.61	85.92
		CO2	2.3	3.0	2.4		2.3	2.8	2.4		
		CO3	2.7	3.0	2.8		2.6	2.9	2.7		
		CO4	2.1	2.9	2.3		2.5	2.9	2.6		
		CO5	2.6	3.0	2.7		2.8	2.9	2.8		
	COMPUTER PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ENGINEERING PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	PHYSICS AND CHEMISTRY LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		

		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
II	TECHNICAL ENGLISH- II	CO1	2.5	1.6	2.3	2.46	2.6	1.5	2.4	2.56	83.72
		CO2	2.5	1.6	2.3		2.6	1.5	2.4		
		CO3	2.6	1.8	2.4		3.0	1.6	2.7		
		CO4	2.6	2.9	2.7		2.6	2.9	2.7		
		CO5	2.5	2.9	2.6		2.6	3.0	2.7		
	MATHEMATICS- II	CO1	2.3	2.9	2.4	2.51	2.4	3.0	2.5	2.60	85.27
		CO2	2.6	2.9	2.7		2.3	3.0	2.4		
		CO3	2.4	2.9	2.5		3.0	2.9	3.0		
		CO4	2.6	2.8	2.6		2.3	2.8	2.4		
		CO5	2.2	2.9	2.3		2.6	2.9	2.7		
	ENGINEERING PHYSICS- II	CO1	2.2	3.0	2.4	2.45	2.6	3.0	2.7	2.51	82.61
		CO2	2.5	3.0	2.6		2.6	3.0	2.7		
		CO3	2.3	2.9	2.4		2.5	2.9	2.6		
		CO4	2.4	2.9	2.5		2.3	2.9	2.4		
		CO5	2.2	2.9	2.3		2.0	2.9	2.2		
	ENGINEERING CHEMISTRY – II	CO1	2.5	3.0	2.6	2.54	2.7	3.0	2.8	2.56	85.01
		CO2	2.5	3.0	2.6		2.5	3.0	2.6		
		CO3	2.3	2.9	2.4		2.3	2.9	2.4		
		CO4	2.4	2.9	2.5		2.3	2.9	2.4		
		CO5	2.5	3.0	2.6		2.5	2.9	2.6		
	BASIC CIVIL AND MECHANICAL ENGINEERING	CO1	2.5	3.0	2.6	2.67	2.6	2.9	2.7	2.62	88.13
		CO2	2.5	3.0	2.6		2.5	2.9	2.6		
		CO3	2.4	2.9	2.5		2.6	2.9	2.7		
		CO4	2.8	2.9	2.8		2.6	3.0	2.7		
		CO5	2.8	3.0	2.8		2.4	2.9	2.5		
	CIRCUIT THEORY	CO1	2.4	3.0	2.5	2.45	2.2	3.0	2.4	2.37	80.29
		CO2	2.4	2.9	2.5		2.2	2.9	2.3		
		CO3	2.4	3.0	2.5		2.1	3.0	2.3		
		CO4	2.1	2.9	2.3		2.2	2.9	2.3		
		CO5	2.3	3.0	2.4		2.4	3.0	2.5		
	PHYSICS AND C	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMPUTER PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ELECTRIC CIRC	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	TRANSFORMS AND PARTIAL DIFFERENTIA	CO1	2.1	2.9	2.3	2.66	2.4	2.9	2.5	2.58	87.36
		CO2	2.5	3.0	2.6		2.6	3.0	2.7		
		CO3	2.6	2.9	2.7		2.8	2.9	2.8		

	L EQUATIONS	CO4	2.8	3.0	2.8		2.3	3.0	2.4		
		CO5	3.0	2.8	3.0		2.4	2.8	2.5		
	DIGITAL LOGIC CIRCUITS	CO1	2.3	2.9	2.4		2.3	2.9	2.4		
		CO2	2.2	3.0	2.4		2.1	3.0	2.3		
		CO3	2.3	2.9	2.4	2.38	2.0	2.9	2.2	2.40	79.64
		CO4	2.1	2.9	2.3		2.1	3.0	2.3		
		CO5	2.3	3.0	2.4		2.8	2.9	2.8		
	ELECTROMAGNETIC THEORY	CO1	2.7	3.0	2.8		2.5	3.0	2.6		
		CO2	2.6	2.9	2.7		2.1	2.9	2.3		
		CO3	2.6	3.0	2.7	2.61	2.6	3.0	2.7	2.54	85.81
		CO4	2.4	2.9	2.5		2.4	2.9	2.5		
		CO5	2.3	2.9	2.4		2.6	2.9	2.7		
	ENVIRONMENTAL SCIENCE AND ENGINEERING	CO1	2.4	3.0	2.5		2.7	3.0	2.8		
		CO2	2.6	3.0	2.7		2.4	3.0	2.5		
		CO3	3.0	2.9	3.0	2.70	2.2	2.9	2.3	2.54	87.49
		CO4	2.8	2.9	2.8		2.4	2.9	2.5		
III		CO5	2.4	3.0	2.5		2.5	3.0	2.6		
	ELECTRONICS DEVICES AND CIRCUITS	CO1	2.6	2.9	2.7		2.5	2.9	2.6		
		CO2	2.3	2.9	2.4		3.0	2.9	3.0		
		CO3	2.4	3.0	2.5	2.69	2.4	3.0	2.5	2.73	90.35
		CO4	2.8	3.0	2.8		2.8	3.0	2.8		
		CO5	3.0	2.9	3.0		2.7	2.9	2.7		
	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	CO1	2.5	3.0	2.6		2.7	3.0	2.8		
		CO2	2.6	3.0	2.7		2.3	3.0	2.4		
		CO3	2.1	2.9	2.3	2.56	2.4	2.9	2.5	2.64	86.53
		CO4	2.6	2.9	2.7		2.8	2.9	2.8		
		CO5	2.5	2.9	2.6		2.6	2.9	2.7		
	ELECTRONICS LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	CO1	3.0	3.0	3.0		3.0	3.0	3.0		
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	NUMERICAL METHODS	CO1	2.3	2.9	2.4		2.4	3.0	2.5		
		CO2	2.6	2.8	2.6		2.6	3.0	2.7		
		CO3	2.7	2.9	2.7	2.55	2.0	3.0	2.2	2.62	86.15
		CO4	2.3	2.9	2.4		3.0	2.9	3.0		
		CO5	2.4	3.0	2.5		2.7	2.8	2.7		
	ELECTRICAL MACHINES-I	CO 1	2.6	3.0	2.7		2.7	3.0	2.8		
		CO 2	2.3	2.9	2.4		2.4	2.9	2.5		
		CO 3	2.5	3.0	2.6	2.53	2.4	3.0	2.5	2.43	82.69
		CO 4	2.4	2.9	2.5		1.9	2.9	2.1		
		CO 5	2.3	3.0	2.4		2.1	3.0	2.3		
	OBJECT ORIENTED	CO1	2.4	2.9	2.5		2.7	2.9	2.7		
		CO2	2.5	2.9	2.6		2.8	2.9	2.8		

	ORIENTED PROGRAMMING	CO3	2.1	3.0	2.3	2.51	2.0	3.0	2.2	2.49	83.25
		CO4	2.4	2.9	2.5		2.1	2.9	2.3		
		CO5	2.6	2.9	2.7		2.3	2.9	2.4		
	TRANSMISSION AND DISTRIBUTION	CO1	2.8	3.0	2.8	2.52	2.5	3.0	2.6	2.64	86.04
		CO2	2.6	2.9	2.7		3.0	2.9	3.0		
		CO3	2.0	2.9	2.2		2.4	2.9	2.5		
		CO4	2.2	3.0	2.4		2.4	3.0	2.5		
		CO5	2.5	2.9	2.6		2.5	2.9	2.6		
IV	DISCRETE TIME SYSTEM AND SIGNAL PROCESSING	CO1	2.8	3.0	2.8	2.59	2.7	2.9	2.7	2.62	86.68
		CO2	2.1	2.9	2.3		2.3	3.0	2.4		
		CO3	2.2	2.9	2.3		2.4	2.9	2.5		
		CO4	2.4	3.0	2.5		2.6	2.9	2.7		
		CO5	3.0	2.8	3.0		2.7	2.8	2.7		
	MEASUREMENT AND INSRUMENTATION	CO1	2.5	2.8	2.6	2.50	2.6	2.8	2.6	2.54	84.00
		CO2	2.6	2.8	2.6		2.2	2.8	2.3		
		CO3	2.2	3.0	2.4		2.4	3.0	2.5		
		CO4	2.4	2.9	2.5		2.3	2.9	2.4		
		CO5	2.3	2.9	2.4		2.8	2.9	2.8		
	OBJECT ORIENTED PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ELECTRICAL MACHINES LABORATORY - I	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	POWER SYSTEM ANALYSIS	CO1	2.2	3.0	2.4	2.45	2.6	3.0	2.7	2.41	80.97
		CO2	2.3	2.9	2.4		2.2	2.9	2.3		
		CO3	2.1	3.0	2.3		2.3	2.9	2.4		
		CO4	2.4	2.9	2.5		2.1	2.9	2.3		
		CO5	2.6	3.0	2.7		2.2	2.9	2.3		
	POWER ELECTRONICS	CO1	2.2	2.9	2.3	2.56	2.4	2.9	2.5	2.49	84.13
		CO2	2.4	2.9	2.5		2.5	3.0	2.6		
		CO3	2.6	2.9	2.7		2.2	2.9	2.3		
		CO4	2.4	3.0	2.5		2.4	3.0	2.5		
		CO5	2.7	3.0	2.8		2.4	2.9	2.5		
	MICROPROCESSORS AND MICROCONTROLLERS	CO1	2.7	2.9	2.7	2.80	3.0	2.9	3.0	2.71	91.91
		CO2	2.6	3.0	2.7		2.3	3.0	2.4		
		CO3	3.0	3.0	3.0		2.6	2.9	2.7		
		CO4	2.7	2.9	2.7		2.8	2.9	2.8		
		CO5	2.8	3.0	2.8		2.6	2.9	2.7		
	POWER PLANT ENGG	CO1	3.0	3.0	3.0	2.86	2.8	2.8	2.8	2.59	90.87
		CO2	2.6	2.9	2.7		2.4	3.0	2.5		
		CO3	3.0	2.9	3.0		2.6	2.9	2.7		
		CO4	2.6	3.0	2.7		2.3	2.8	2.4		
		CO5	3.0	3.0	3.0		2.5	2.9	2.6		
		CO1	2.4	3.0	2.5		3.0	2.8	3.0		

V	ELECTRICALMACHINES-II	CO2	2.4	3.0	2.5	2.56	2.6	3.0	2.7	2.81	89.47
		CO3	2.5	2.9	2.6		3.0	2.9	3.0		
		CO4	2.6	2.9	2.7		2.6	2.9	2.7		
		CO5	2.4	3.0	2.5		2.7	3.0	2.8		
	ONTROL SYSTE	CO1	2.1	2.9	2.3	2.32	2.1	2.9	2.3	2.36	78.00
		CO2	2.5	2.9	2.6		2.1	2.9	2.3		
		CO3	2.0	2.9	2.2		2.1	2.9	2.3		
		CO4	2.2	3.0	2.4		2.5	3.0	2.6		
		CO5	2.0	3.0	2.2		2.3	3.0	2.4		
	CONTROL AND INSTRUMENTATION LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMMUNICATION AND SOFT SKILLS-LABORATORY BASED	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	ELECTRICAL MACHINES LABORATORY – II	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMMUNICATION ENGG	CO1	2.8	2.9	2.8	2.69	2.7	2.9	2.7	2.54	87.15
		CO2	3.0	2.9	3.0		2.4	2.9	2.5		
		CO3	2.2	3.0	2.4		2.1	3.0	2.3		
		CO4	2.6	2.9	2.7		2.4	2.9	2.5		
		CO5	2.5	3.0	2.6		2.6	3.0	2.7		
	SOLID STATE DRIVES	CO1	2.8	2.9	2.8	2.68	2.7	3.0	2.8	2.77	90.84
		CO2	2.5	2.9	2.6		2.5	2.9	2.6		
		CO3	2.3	3.0	2.4		2.8	3.0	2.8		
		CO4	2.5	2.9	2.6		3.0	2.9	3.0		
		CO5	3.0	2.9	3.0		2.6	3.0	2.7		
	EMBEDDED SYSTEM	CO1	2.3	2.9	2.4	2.66	2.7	3.0	2.8	2.79	90.83
		CO2	3.0	2.8	3.0		2.5	2.9	2.6		
		CO3	2.5	3.0	2.6		3.0	2.8	3.0		
		CO4	2.2	2.9	2.3		2.6	2.9	2.7		
		CO5	3.0	2.9	3.0		3.0	3.0	3.0		
	POWER SYSTEM OPERATION OPERATION AND CONTROL	CO1	2.8	3.0	2.8	2.56	2.3	3.0	2.4	2.67	87.07
		CO2	2.3	2.9	2.4		3.0	2.9	3.0		
		CO3	2.5	2.9	2.6		2.4	2.9	2.5		
		CO4	2.4	3.0	2.5		3.0	3.0	3.0		
		CO5	2.3	2.9	2.4		2.3	2.9	2.4		
VI	DESIGN OF ELECTRICAL MACHINES	CO1	2.6	3.0	2.7	2.62	2.7	3.0	2.8	2.55	86.23
		CO2	2.5	2.9	2.6		2.4	2.9	2.5		
		CO3	2.6	2.9	2.7		2.3	2.8	2.4		
		CO4	2.4	3.0	2.5		2.2	2.9	2.3		
		CO5	2.6	2.9	2.7		2.7	3.0	2.8		

	POWER SYSTEM TRANSIENTS	CO1	3.0	2.8	3.0	2.71	2.7	3.0	2.8	2.69	90.00
		CO2	2.5	2.9	2.6		2.5	3.0	2.6		
		CO3	2.8	3.0	2.8		2.3	3.0	2.4		
		CO4	2.6	2.8	2.6		2.6	2.8	2.6		
		CO5	2.4	3.0	2.5		3.0	3.0	3.0		
	POWER ELECTRONICS AND DRIVES LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	PRESENTATION SKILLS AND TECHNICAL SEMINAR.	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
VII	HIGH VOLTAGE ENGINEERING	CO1	2.5	2.9	2.6	2.54	2.5	2.9	2.6	2.73	87.71
		CO2	2.3	2.8	2.4		2.5	2.8	2.6		
		CO3	2.3	3.0	2.4		2.8	3.0	2.8		
		CO4	2.5	3.0	2.6		3.0	3.0	3.0		
		CO5	2.6	2.9	2.7		2.6	2.9	2.7		
	PRINCIPLES OF MANAGEMENT	CO1	2.8	2.9	2.8	2.80	2.6	3.0	2.7	2.85	94.20
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	2.8	2.9	2.8		2.5	2.9	2.6		
		CO4	2.6	3.0	2.7		3.0	2.9	3.0		
		CO5	2.6	3.0	2.7		3.0	3.0	3.0		
	PROTECTION AND SWITCH GEAR	CO1	2.4	2.9	2.5	2.65	2.6	3.0	2.7	2.64	88.21
		CO2	2.3	2.9	2.4		2.8	3.0	2.8		
		CO3	2.6	3.0	2.7		2.6	3.0	2.7		
		CO4	3.0	2.9	3.0		2.3	2.9	2.4		
		CO5	2.6	3.0	2.7		2.5	2.9	2.6		
	SPECIAL ELECTRICAL MACHINES	CO1	2.3	2.9	2.4	2.59	2.5	2.9	2.6	2.51	85.15
		CO2	2.6	2.9	2.7		2.4	2.9	2.5		
		CO3	3.0	3.0	3.0		2.3	3.0	2.4		
		CO4	2.5	2.8	2.6		2.4	2.8	2.5		
		CO5	2.2	2.9	2.3		2.5	2.9	2.6		
	POWER QUALITY	CO1	2.5	2.8	2.6	2.60	2.7	2.8	2.7	2.62	86.91
		CO2	2.7	2.9	2.7		2.5	2.9	2.6		
		CO3	2.4	3.0	2.5		2.6	3.0	2.7		
		CO4	2.4	3.0	2.5		2.3	3.0	2.4		
		CO5	2.6	2.9	2.7		2.6	2.9	2.7		
	MICRO ELECTRO MECHANICAL SYSTEM	CO1	2.7	2.8	2.7	2.58	3.0	2.8	3.0	2.63	86.75
		CO2	2.6	3.0	2.7		2.6	3.0	2.7		
		CO3	2.3	2.9	2.4		2.5	2.9	2.6		
		CO4	2.4	2.8	2.5		2.4	2.8	2.5		

	CO5	2.5	2.9	2.6		2.3	2.9	2.4		
	POWER SYSTEM SIMULATION LABORATORY	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	COMPREHENSION	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
VIII	ELECTRIC ENERGY GENERATION, UTILISATION & CONSERVATI	CO1	2.8	2.9	2.8	2.73	2.5	2.9	2.6	2.68	90.27
		CO2	2.6	2.9	2.7		3.0	2.9	3.0		
		CO3	2.8	3.0	2.8		2.6	3.0	2.7		
		CO4	2.6	2.9	2.7		2.4	2.9	2.5		
		CO5	2.6	3.0	2.7		2.6	3.0	2.7		
	POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS	CO1	2.5	3.0	2.6	2.70	2.6	3.0	2.7	2.69	89.89
		CO2	2.6	3.0	2.7		3.0	3.0	3.0		
		CO3	2.6	2.9	2.7		2.4	2.9	2.5		
		CO4	2.5	2.9	2.6		2.5	2.9	2.6		
		CO5	3.0	3.0	3.0		2.6	3.0	2.7		
	PROFESSIONAL ETHICS IN ENGINEERING	CO1	2.4	3.0	2.5	2.78	2.3	3.0	2.4	2.78	92.83
		CO2	2.6	2.9	2.7		3.0	2.9	3.0		
		CO3	3.0	2.9	3.0		2.8	2.9	2.8		
		CO4	2.7	3.0	2.8		2.6	3.0	2.7		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		
	PROJECT WORK	CO1	3.0	3.0	3.0	3.00	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		3.0	3.0	3.0		

HOD

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF EEE

COURSE ATTAINMENT 2015-2019 BATCH

SEM	COURSE NAME	CO	DIRECT	INDIRECT	TOTAL	AVERAGE	OVERALL CO ATTAINMENT (%)
I	TECHNICAL ENGLISH – I	CO1	2.8	2.9	2.8	2.64	88.11
		CO2	2.6	2.9	2.7		
		CO3	2.4	3.0	2.5		
		CO4	2.6	3.0	2.7		
		CO5	2.4	3.0	2.5		
	MATHEMATICS – I	CO1	2.6	3.0	2.7	2.59	86.48
		CO2	2.4	2.9	2.5		
		CO3	2.6	2.9	2.7		
		CO4	2.4	2.8	2.5		
		CO5	2.6	2.9	2.7		
	ENGINEERING PHYSICS – I	CO1	2.6	3.0	2.7	2.54	84.51
		CO2	2.5	2.8	2.6		
		CO3	2.4	2.9	2.5		
		CO4	2.3	3.0	2.4		
		CO5	2.4	2.9	2.5		
	ENGINEERING CHEMISTRY I	CO1	3.0	2.9	3.0	2.73	90.91
		CO2	2.5	3.0	2.6		
		CO3	2.7	2.9	2.7		
		CO4	2.5	2.8	2.6		
		CO5	2.7	3.0	2.8		
	ENGINEERING GRAPHICS	CO1	2.5	2.9	2.6	2.59	86.19
		CO2	2.6	3.0	2.7		
		CO3	2.4	2.9	2.5		
		CO4	2.5	2.8	2.6		
		CO5	2.5	3.0	2.6		
	FUNDAMENTALS OF COMPUTING AND PROGRAMMING	CO1	2.4	2.9	2.5	2.43	81.09
		CO2	2.2	3.0	2.4		
		CO3	2.3	3.0	2.4		
		CO4	2.2	2.9	2.3		
		CO5	2.4	3.0	2.5		
	COMPUTER PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ENGINEERING PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	PHYSICS AND CHEMISTRY LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		

		CO5	3.0	3.0	3.0		
II	TECHNICAL ENGLISH- II	CO1	2.3	1.4	2.1	2.44	81.49
		CO2	2.5	1.5	2.3		
		CO3	2.7	1.6	2.5		
		CO4	2.5	2.9	2.6		
		CO5	2.7	2.9	2.7		
	MATHEMATICS-II	CO1	2.4	3.0	2.5	2.43	80.85
		CO2	2.4	3.0	2.5		
		CO3	2.1	2.9	2.3		
		CO4	2.4	2.8	2.5		
		CO5	2.2	2.9	2.3		
	ENGINEERING PHYSICS- II	CO1	2.4	3.0	2.5	2.56	85.28
		CO2	2.6	3.0	2.7		
		CO3	2.4	2.9	2.5		
		CO4	2.5	2.9	2.6		
		CO5	2.4	2.9	2.5		
	ENGINEERING CHEMISTRY – II	CO1	2.4	3.0	2.5	2.62	87.49
		CO2	2.4	3.0	2.5		
		CO3	2.4	2.9	2.5		
		CO4	2.7	2.9	2.7		
		CO5	2.8	3.0	2.8		
	BASIC CIVIL AND MECHANICAL ENGINEERING	CO1	2.6	3.0	2.7	2.59	86.43
		CO2	2.5	3.0	2.6		
		CO3	2.4	2.9	2.5		
		CO4	2.6	2.9	2.7		
		CO5	2.4	3.0	2.5		
	CIRCUIT THEORY	CO1	2.4	3.0	2.5	2.29	76.29
		CO2	2.2	2.9	2.3		
		CO3	2.1	3.0	2.3		
		CO4	1.9	2.9	2.1		
		CO5	2.0	3.0	2.2		
	PHYSICS AND CHE	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	COMPUTER PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ELECTRIC CIRCUI	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	TRANSFORMS AND PARTIAL	CO1	2.1	2.9	2.3		
		CO2	2.7	3.0	2.8		

	AND PARTIAL DIFFERENTIAL EQUATIONS	CO3	3.0	2.9	3.0	2.50	83.36
		CO4	1.8	3.0	2.0		
		CO5	2.4	2.8	2.5		
	DIGITAL LOGIC CIRCUITS	CO1	2.7	2.9	2.7	2.60	86.80
		CO2	2.1	3.0	2.3		
		CO3	1.8	2.9	2.0		
		CO4	3.0	2.9	3.0		
		CO5	3.0	3.0	3.0		
	ELECTROMAGNETIC THEORY	CO1	2.7	3.0	2.8	2.61	86.88
		CO2	2.1	2.9	2.3		
		CO3	1.8	3.0	2.0		
		CO4	3.0	2.9	3.0		
		CO5	3.0	2.9	3.0		
	ENVIRONMENTAL SCIENCE AND ENGINEERING	CO1	2.7	3.0	2.8	2.32	77.36
		CO2	2.1	3.0	2.3		
		CO3	1.8	2.9	2.0		
		CO4	2.1	2.9	2.3		
		CO5	2.1	3.0	2.3		
III	ELECTRONICS DEVICES AND CIRCUITS	CO1	2.5	2.9	2.6	2.29	76.21
		CO2	1.6	2.9	1.9		
		CO3	2.1	3.0	2.3		
		CO4	2.2	3.0	2.4		
		CO5	2.2	2.9	2.3		
	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	CO1	2.7	3.0	2.8	2.60	86.80
		CO2	2.1	3.0	2.3		
		CO3	1.8	2.9	2.0		
		CO4	3.0	2.9	3.0		
		CO5	3.0	2.9	3.0		
	ELECTRONICS LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	MEASUREMENTS AND INSTRUMENTATION	CO1	3.0	3.0	3.0	2.94	98.16
		CO2	3.0	3.0	3.0		
		CO3	3.0	2.9	3.0		
		CO4	3.0	2.9	3.0		
		CO5	2.7	3.0	2.8		
	NUMERICAL METHODS	CO 1	2.7	3.0	2.8	2.51	83.76
		CO 2	2.4	2.9	2.5		
		CO 3	2.1	3.0	2.3		
		CO 4	2.4	2.9	2.5		
		CO 5	2.4	3.0	2.5		

IV	ELECTRICAL MACHINES-I	CO1	2.7	2.9	2.7	2.89	96.32
		CO2	3.0	2.9	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	2.9	3.0		
		CO5	2.7	2.9	2.7		
	OBJECT ORIENTED PROGRAMMING	CO1	2.7	3.0	2.8	2.84	94.80
		CO2	3.0	2.9	3.0		
		CO3	2.7	2.9	2.7		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.9	2.7		
	TRANSMISSION AND DISTRIBUTION	CO1	2.7	3.0	2.8	2.79	93.12
		CO2	3.0	2.9	3.0		
		CO3	2.4	2.9	2.5		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.8	2.7		
	DISCRETE TIME SYSTEMS AND SIGNAL PROCESSING	CO1	2.7	2.8	2.7	2.85	94.93
		CO2	2.7	2.8	2.7		
		CO3	2.8	3.0	2.8		
		CO4	3.0	2.9	3.0		
		CO5	3.0	2.9	3.0		
	OBJECT ORIENTED PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ELECTRICAL MACHINES LABORATORY - I	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	POWER SYSTEM ANALYSIS	CO1	2.7	3.0	2.8	2.84	94.72
		CO2	3.0	2.9	3.0		
		CO3	2.7	2.9	2.7		
		CO4	3.0	2.9	3.0		
		CO5	2.7	2.9	2.7		
	POWER ELECTRONICS	CO1	2.7	2.9	2.7	2.80	93.20
		CO2	3.0	2.9	3.0		
		CO3	2.4	2.9	2.5		
		CO4	3.0	3.0	3.0		
		CO5	2.7	3.0	2.8		
	MICROPROCESSORS AND MICROCONTROLLERS	CO1	2.7	2.9	2.7	2.90	96.56
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	2.7	2.9	2.7		
		CO5	3.0	3.0	3.0		
	ELECTRICAL MACHINES – II	CO1	2.7	3.0	2.8	2.85	94.96
		CO2	3.0	2.9	3.0		
		CO3	2.7	2.9	2.7		

VI	POWER SYSTEM TRANSIENTS	CO2	2.4	2.9	2.5	2.80	93.28
		CO3	3.0	2.9	3.0		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.9	2.7		
	POWER SYSTEM OPERATION AND CONTROL	CO1	2.7	2.8	2.7	2.55	85.04
		CO2	2.1	2.9	2.3		
		CO3	1.8	3.0	2.0		
		CO4	3.0	2.8	3.0		
		CO5	2.7	3.0	2.8		
	POWER ELECTRONICS AND DRIVES LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	PRESENTATION SKILLS AND TECHNICAL SEMINAR.	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
VII	HIGH VOLTAGE ENGINEERING	CO1	2.1	2.9	2.3	2.22	73.84
		CO2	2.1	2.8	2.2		
		CO3	1.8	3.0	2.0		
		CO4	2.1	3.0	2.3		
		CO5	2.1	2.9	2.3		
	PRINCIPLES OF MANAGEMENT	CO1	3.0	2.9	3.0	3.00	99.84
		CO2	3.0	3.0	3.0		
		CO3	3.0	2.9	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	PROTECTION AND SWITCH GEAR	CO1	2.4	2.9	2.5	2.12	70.80
		CO2	1.8	2.9	2.0		
		CO3	2.4	3.0	2.5		
		CO4	1.8	2.9	2.0		
		CO5	1.2	3.0	1.6		
	SPECIAL ELECTRICAL MACHINES	CO1	2.5	2.9	2.6	2.23	74.21
		CO2	2.4	2.9	2.5		
		CO3	1.8	3.0	2.0		
		CO4	1.8	2.8	2.0		
		CO5	1.8	2.9	2.0		
	POWER QUALITY	CO1	2.7	2.8	2.7	2.79	93.04
		CO2	3.0	2.9	3.0		
		CO3	2.7	3.0	2.8		
		CO4	2.7	3.0	2.8		

	[illegible]	CO4	3.0	3.0	3.0		
		CO5	2.7	3.0	2.8		
V	POWER PLANT ENGINEERING	CO1	2.7	3.0	2.8	2.90	96.56
		CO2	3.0	3.0	3.0		
		CO3	3.0	2.9	3.0		
		CO4	3.0	2.9	3.0		
		CO5	2.7	3.0	2.8		
	CONTROL SYSTEMS	CO1	2.7	2.9	2.7	2.80	93.20
		CO2	3.0	2.9	3.0		
		CO3	2.4	2.9	2.5		
		CO4	3.0	3.0	3.0		
		CO5	2.7	3.0	2.8		
	CONTROL AND INSTRUMENTATION LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	COMMUNICATION AND SOFT SKILLS-LABORATORY BASED	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ELECTRICAL MACHINES LABORATORY – II	CO1	2.7	2.9	2.7	2.84	94.72
		CO2	3.0	2.9	3.0		
		CO3	2.7	2.9	2.7		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.9	2.7		
	DESIGN OF ELECTRICAL MACHINES	CO1	3.0	2.9	3.0	2.65	88.48
		CO2	2.4	2.9	2.5		
		CO3	1.8	3.0	2.0		
		CO4	3.0	2.9	3.0		
		CO5	2.7	3.0	2.8		
	SOLID STATE DRIVES	CO1	2.7	2.9	2.7	2.55	85.12
		CO2	2.1	2.9	2.3		
		CO3	1.8	3.0	2.0		
		CO4	3.0	2.9	3.0		
		CO5	2.7	2.9	2.7		
	COMMUNICATION ENGINEERING	CO1	2.7	2.9	2.7	2.55	84.88
		CO2	2.1	2.8	2.2		
		CO3	1.8	3.0	2.0		
		CO4	3.0	2.9	3.0		
		CO5	2.7	2.9	2.7		
	EMBEDDED SYSTEMS	CO1	2.7	3.0	2.8	2.80	93.20
		CO2	2.4	2.9	2.5		
		CO3	3.0	2.9	3.0		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.9	2.7		
		CO1	2.7	3.0	2.8		

		CO5	2.7	2.9	2.7		
	MICRO ELECTRO MECHANICAL SYSTEM	CO1	3.0	2.8	3.0	2.50	83.28
		CO2	2.4	3.0	2.5		
		CO3	2.1	2.9	2.3		
		CO4	2.4	2.8	2.5		
		CO5	2.1	2.9	2.3		
	POWER SYSTEM SIMULATION LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	COMPREHENSION	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
VIII	ELECTRIC ENERGY GENERATION, UTILISATION & CONSERVATION	CO1	2.5	2.9	2.6	2.84	94.80
		CO2	3.0	2.9	3.0		
		CO3	2.6	3.0	2.7		
		CO4	3.0	2.9	3.0		
		CO5	3.0	3.0	3.0		
	POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS	CO1	2.4	3.0	2.5	2.69	89.63
		CO2	2.3	3.0	2.4		
		CO3	2.4	2.9	2.5		
		CO4	3.0	2.9	3.0		
		CO5	3.0	3.0	3.0		
	PROFESSIONAL ETHICS IN ENGINEERING	CO1	2.4	3.0	2.5	2.70	90.16
		CO2	3.0	2.9	3.0		
		CO3	2.4	2.9	2.5		
		CO4	3.0	3.0	3.0		
		CO5	2.4	3.0	2.5		
	PROJECT WORK	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		

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PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF EEE

COURSE ATTAINMENT 2016-2020 BATCH

SEM	COURSE NAME	CO	DIRECT	INDIRECT	TOTAL	AVERAGE	OVERALL CO ATTAINMENT (%)
I	TECHNICAL ENGLISH – I	CO1	2.7	2.9	2.7	2.64	88.11
		CO2	2.6	2.9	2.7		
		CO3	2.5	3.0	2.6		
		CO4	2.6	3.0	2.7		
		CO5	2.4	3.0	2.5		
	MATHEMATICS – I	CO1	2.7	2.7	2.7	2.59	86.21
		CO2	2.4	2.8	2.5		
		CO3	2.6	2.9	2.7		
		CO4	2.4	2.6	2.4		
		CO5	2.6	2.9	2.7		
	ENGINEERING PHYSICS – I	CO1	2.6	3.0	2.7	2.58	86.11
		CO2	2.5	2.8	2.6		
		CO3	2.3	2.9	2.4		
		CO4	2.5	3.0	2.6		
		CO5	2.6	2.9	2.7		
	ENGINEERING CHEMISTRY I	CO1	2.4	2.9	2.5	2.47	82.37
		CO2	2.5	3.0	2.6		
		CO3	2.4	2.9	2.5		
		CO4	2.2	2.8	2.3		
		CO5	2.3	3.0	2.4		
	ENGINEERING GRAPHICS	CO1	2.5	2.9	2.6	2.59	86.19
		CO2	2.6	3.0	2.7		
		CO3	2.4	2.9	2.5		
		CO4	2.5	2.8	2.6		
		CO5	2.5	3.0	2.6		
	FUNDAMENTALS OF COMPUTING AND PROGRAMMING	CO1	2.5	2.9	2.6	2.51	83.76
		CO2	2.5	3.0	2.6		
		CO3	2.4	3.0	2.5		
		CO4	2.2	2.9	2.3		
		CO5	2.4	3.0	2.5		
	COMPUTER PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ENGINEERING PRACTICES LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	PHYSICS AND CHEMISTRY LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		

II	TECHNICAL ENGLISH- II	CO1	2.7	1.4	2.4	2.35	78.29
		CO2	2.5	1.5	2.3		
		CO3	2.4	1.6	2.2		
		CO4	2.1	2.9	2.3		
		CO5	2.4	2.9	2.5		
	MATHEMATICS-II	CO1	2.2	3.0	2.4	2.47	82.45
		CO2	2.4	3.0	2.5		
		CO3	2.6	2.9	2.7		
		CO4	2.4	2.8	2.5		
		CO5	2.2	2.9	2.3		
	ENGINEERING PHYSICS- II	CO1	2.4	3.0	2.5	2.57	85.81
		CO2	2.5	3.0	2.6		
		CO3	2.4	2.9	2.5		
		CO4	2.7	2.9	2.7		
		CO5	2.4	2.9	2.5		
	ENGINEERING CHEMISTRY – II	CO1	2.7	3.0	2.8	2.74	91.23
		CO2	2.8	3.0	2.8		
		CO3	2.4	2.9	2.5		
		CO4	2.7	2.9	2.7		
		CO5	2.8	3.0	2.8		
	BASIC CIVIL AND MECHANICAL ENGINEERING	CO1	2.6	3.0	2.7	2.59	86.43
		CO2	2.5	3.0	2.6		
		CO3	2.4	2.9	2.5		
		CO4	2.6	2.9	2.7		
		CO5	2.4	3.0	2.5		
	CIRCUIT THEORY	CO1	2.4	3.0	2.5	2.29	76.29
		CO2	2.2	2.9	2.3		
		CO3	2.1	3.0	2.3		
		CO4	1.9	2.9	2.1		
		CO5	2.0	3.0	2.2		
	PHYSICS AND CHE	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	COMPUTER PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ELECTRIC CIRCUITS LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS	CO1	1.8	2.9	2.0	2.45	81.76
		CO2	2.1	3.0	2.3		
		CO3	1.8	2.9	2.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	2.8	3.0		

IV	OBJECT ORIENTED PROGRAMMING	CO1	2.7	3.0	2.8	2.75	91.60
		CO2	2.7	2.9	2.7		
		CO3	3.0	2.9	3.0		
		CO4	2.4	3.0	2.5		
		CO5	2.7	2.9	2.7		
	TRANSMISSION AND DISTRIBUTION	CO1	2.7	3.0	2.8	2.79	93.12
		CO2	3.0	2.9	3.0		
		CO3	2.4	2.9	2.5		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.8	2.7		
	DISCRETE TIME SYSTEMS AND SIGNAL PROCESSING	CO1	2.4	2.8	2.5	2.34	77.87
		CO2	2.1	2.8	2.2		
		CO3	2.2	3.0	2.4		
		CO4	2.2	2.9	2.3		
		CO5	2.1	2.9	2.3		
	OBJECT ORIENTED PROGRAMMING LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ELECTRICAL MACHINES LABORATORY - I	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	POWER SYSTEM ANALYSIS	CO1	2.1	3.0	2.3	2.65	88.32
		CO2	3.0	2.9	3.0		
		CO3	2.3	2.9	2.4		
		CO4	2.8	2.9	2.8		
		CO5	2.7	2.9	2.7		
	POWER ELECTRONICS	CO1	2.7	2.9	2.7	2.80	93.20
		CO2	3.0	2.9	3.0		
		CO3	2.4	2.9	2.5		
		CO4	3.0	3.0	3.0		
		CO5	2.7	3.0	2.8		
	MICROPROCESSORS AND MICROCONTROLLERS	CO1	2.7	2.9	2.7	2.90	96.56
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	2.7	2.9	2.7		
		CO5	3.0	3.0	3.0		
	ELECTRICAL MACHINES – II	CO1	2.7	3.0	2.8	2.85	94.96
		CO2	3.0	2.9	3.0		
		CO3	2.7	2.9	2.7		
		CO4	3.0	3.0	3.0		
		CO5	2.7	3.0	2.8		
V	POWER PLANT ENGINEERING	CO1	2.7	3.0	2.8	2.85	94.96
		CO2	3.0	3.0	3.0		
		CO3	2.8	2.9	2.8		
		CO4	2.9	2.9	2.9		
		CO5	2.7	3.0	2.8		

III	DIGITAL LOGIC CIRCUITS	CO1	2.7	2.9	2.7	2.60	86.80
		CO2	2.1	3.0	2.3		
		CO3	1.8	2.9	2.0		
		CO4	3.0	2.9	3.0		
		CO5	3.0	3.0	3.0		
	ELECTROMAGNETIC THEORY	CO1	2.7	3.0	2.8	2.27	75.68
		CO2	1.8	2.9	2.0		
		CO3	1.7	3.0	2.0		
		CO4	1.6	2.9	1.9		
		CO5	2.7	2.9	2.7		
	ENVIRONMENTAL SCIENCE AND ENGINEERING	CO1	2.1	3.0	2.3	2.22	74.16
		CO2	2.1	3.0	2.3		
		CO3	1.8	2.9	2.0		
		CO4	2.1	2.9	2.3		
		CO5	2.1	3.0	2.3		
	ELECTRONICS DEVICES AND CIRCUITS	CO1	2.5	2.9	2.6	2.46	82.08
		CO2	1.6	2.9	1.9		
		CO3	2.7	3.0	2.8		
		CO4	2.4	3.0	2.5		
		CO5	2.5	2.9	2.6		
	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	CO1	2.7	3.0	2.8	2.54	84.67
		CO2	2.1	3.0	2.3		
		CO3	1.8	2.9	2.0		
		CO4	3.0	2.9	3.0		
		CO5	2.6	2.9	2.7		
	ELECTRONICS LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	MEASUREMENTS AND INSTRUMENTATION	CO1	2.6	3.0	2.7	2.80	93.36
		CO2	2.8	3.0	2.8		
		CO3	2.9	2.9	2.9		
		CO4	2.8	2.9	2.8		
		CO5	2.7	3.0	2.8		
	NUMERICAL METHODS	CO 1	2.7	3.0	2.8	2.75	91.76
		CO 2	2.4	2.9	2.5		
		CO 3	2.9	3.0	2.9		
		CO 4	2.8	2.9	2.8		
		CO 5	2.7	3.0	2.8		
	ELECTRICAL MACHINES-I	CO1	2.7	2.9	2.7	2.84	94.72
		CO2	2.4	2.9	2.5		
		CO3	3.0	3.0	3.0		
		CO4	3.0	2.9	3.0		
		CO5	3.0	2.9	3.0		

	POWER ELECTRONICS AND DRIVES LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	PRESENTATION SKILLS AND TECHNICAL SEMINAR.	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
VII	HIGH VOLTAGE ENGINEERING	CO1	2.1	2.9	2.3	2.31	77.04
		CO2	2.1	2.8	2.2		
		CO3	2.1	3.0	2.3		
		CO4	2.3	3.0	2.4		
		CO5	2.2	2.9	2.3		
	PRINCIPLES OF MANAGEMENT	CO1	3.0	2.9	3.0	3.00	99.84
		CO2	3.0	3.0	3.0		
		CO3	3.0	2.9	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	PROTECTION AND SWITCH GEAR	CO1	2.4	2.9	2.5	2.46	82.00
		CO2	2.1	2.9	2.3		
		CO3	2.5	3.0	2.6		
		CO4	2.4	2.9	2.5		
		CO5	2.3	3.0	2.4		
	SPECIAL ELECTRICAL MACHINES	CO1	1.9	2.9	2.1	2.19	73.15
		CO2	2.4	2.9	2.5		
		CO3	2.2	3.0	2.4		
		CO4	1.8	2.8	2.0		
		CO5	1.8	2.9	2.0		
	POWER QUALITY	CO1	2.7	2.8	2.7	2.79	93.04
		CO2	3.0	2.9	3.0		
		CO3	2.7	3.0	2.8		
		CO4	2.7	3.0	2.8		
		CO5	2.7	2.9	2.7		
	MICRO ELECTRO MECHANICAL SYSTEM	CO1	3.0	2.8	3.0	2.53	84.35
		CO2	2.4	3.0	2.5		
		CO3	2.1	2.9	2.3		
		CO4	2.4	2.8	2.5		
		CO5	2.3	2.9	2.4		
	POWER SYSTEM SIMULATION LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		

	CONTROL SYSTEMS	CO1	2.7	2.9	2.7	2.73	91.07
		CO2	2.8	2.9	2.8		
		CO3	2.4	2.9	2.5		
		CO4	2.8	3.0	2.8		
		CO5	2.7	3.0	2.8		
	CONTROL AND INSTRUMENTATION LABORATORY	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	COMMUNICATION AND SOFT SKILLS-LABORATORY BASED	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
	ELECTRICAL MACHINES LABORATORY – II	CO1	3.0	2.9	3.0	2.99	99.52
		CO2	3.0	2.9	3.0		
		CO3	3.0	2.9	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	2.9	3.0		
VI	DESIGN OF ELECTRICAL MACHINES	CO1	2.8	2.9	2.8	2.49	83.15
		CO2	2.4	2.9	2.5		
		CO3	1.8	3.0	2.0		
		CO4	2.2	2.9	2.3		
		CO5	2.7	3.0	2.8		
	SOLID STATE DRIVES	CO1	2.7	2.9	2.7	2.59	86.19
		CO2	2.1	2.9	2.3		
		CO3	2.2	3.0	2.4		
		CO4	2.8	2.9	2.8		
		CO5	2.7	2.9	2.7		
	COMMUNICATION ENGINEERING	CO1	2.7	2.9	2.7	2.55	84.88
		CO2	2.1	2.8	2.2		
		CO3	1.8	3.0	2.0		
		CO4	3.0	2.9	3.0		
		CO5	2.7	2.9	2.7		
	EMBEDDED SYSTEMS	CO1	2.7	3.0	2.8	2.80	93.20
		CO2	2.4	2.9	2.5		
		CO3	3.0	2.9	3.0		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.9	2.7		
	POWER SYSTEM TRANSIENTS	CO1	2.7	3.0	2.8	2.80	93.28
		CO2	2.4	2.9	2.5		
		CO3	3.0	2.9	3.0		
		CO4	3.0	3.0	3.0		
		CO5	2.7	2.9	2.7		
	POWER SYSTEM OPERATION AND CONTROL	CO1	2.7	2.8	2.7	2.55	85.04
		CO2	2.1	2.9	2.3		
		CO3	1.8	3.0	2.0		
		CO4	3.0	2.8	3.0		
		CO5	2.7	3.0	2.8		

	COMPREHENSION	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		
VIII	ELECTRIC ENERGY GENERATION, UTILISATION & CONSERVATION	CO1	2.5	2.9	2.6	2.75	91.60
		CO2	2.8	2.9	2.8		
		CO3	2.6	3.0	2.7		
		CO4	2.6	2.9	2.7		
		CO5	3.0	3.0	3.0		
	POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS	CO1	2.4	3.0	2.5	2.64	88.03
		CO2	2.3	3.0	2.4		
		CO3	2.1	2.9	2.3		
		CO4	3.0	2.9	3.0		
		CO5	3.0	3.0	3.0		
	PROFESSIONAL ETHICS IN ENGINEERING	CO1	2.4	3.0	2.5	2.58	85.89
		CO2	3.0	2.9	3.0		
		CO3	2.4	2.9	2.5		
		CO4	2.2	3.0	2.4		
		CO5	2.4	3.0	2.5		
	PROJECT WORK	CO1	3.0	3.0	3.0	3.00	100.00
		CO2	3.0	3.0	3.0		
		CO3	3.0	3.0	3.0		
		CO4	3.0	3.0	3.0		
		CO5	3.0	3.0	3.0		

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PRATHYUSHA ENGINEERING COLLEGE

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CO ATTAINMENT FOR COURSES (2019- 23)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM RESULT)		INDIRECT METHOD (EOC		OVERALL CO %
					SEC A	CO (80%)	SEC A	CO (20%)	CO (100%)
1	2019-20	I	I	Communicative English	2.58	68.80	89.00	17.8	86.60
2				Engineering Mathematics I	2.66	70.93	97.00	19.4	90.33
3				Engineering Physics	2.53	67.47	91.00	18.2	85.67
4				Engineering Chemistry	2.62	69.87	92.00	18.4	88.27
5				Engineering Graphics	2.47	65.87	93.1	18.62	84.49
6				Problem Solving and Python Programming	2.42	64.53	94.2	18.84	83.37
7				Problem Solving and Python Programming Laboratory	2.48	66.13	93.4	18.68	84.81
8				Physics & Chemistry Laboratory	2.56	68.27	92.8	18.56	86.83
9			II	Technical English	2.54	67.73	92.00	18.4	86.13
10				Engineering Mathematics II	2.58	68.80	93.00	18.6	87.40
11				Physics for Information science	2.66	70.93	92.00	18.4	89.33
12				Electrical, Electronics and Measurement Engineering	2.45	65.33	97.00	19.4	84.73
13				Environmental science and Engineering	2.42	64.53	93.00	18.6	83.13
14				Programming in C	2.45	65.33	95.00	19	84.33
15				Engineering Practice Laboratory	2.32	61.87	92.00	18.4	80.27
16				C Programming Laboratory	2.46	65.60	96.00	19.2	84.80

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PRATHYUSHA ENGINEERING COLLEGE

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CO ATTAINMENT FOR COURSES (2015- 19)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM RESULT)		DIRECT METHOD (EC		OVERALL CO %
					SEC A	CO (80%)	SEC A	CO (20%)	CO (100%)
1	2015-16	I	I	HS6151 - TECHNICAL ENGLISH – I	2.36	62.93	97.00	19.40	82.33
2				MA6151 Mathematics – I	2.38	63.47	95.00	19.00	82.47
3				PH6151 Engineering Physics – I	2.58	68.80	93.00	18.60	87.40
4				Engineering Chemistry –I	2.38	63.47	92.50	18.50	81.97
5				Computer Programming	2.58	68.80	93.00	18.60	87.40
6				Engineering Graphics	2.28	60.80	92.50	18.50	79.30
7				Computer Practices Laboratory	2.32	61.87	94.00	18.80	80.67
8				Engineering Practices Laboratory	2.3	61.33	94.00	18.80	80.13
9				Physics and Chemistry Laboratory -I	2.38	63.47	93.00	18.60	82.07
10			II	Technical English –II	2.58	68.80	93.00	18.60	87.40
11				Mathematics –II	2.38	63.47	92.50	18.50	81.97
12				Engineering Physics –II	2.38	63.47	93.00	18.60	82.07
13				Engineering Chemistry –II	2.58	68.80	93.00	18.60	87.40
14				Digital Principles and System Design	2.4	64.00	92.50	18.50	82.50
15				Programming and Data Structures I	2.28	60.80	89.00	17.80	78.60
16				Physics and Chemistry Laboratory-II	2.48	66.13	92.00	18.40	84.53
17				Digital Laboratory	2.36	62.93	91.00	18.20	81.13
18				Programming and Data Structures Laboratory I	2.42	64.53	92.00	18.40	82.93

19	2016-17	II	III	Transforms and Partial Differential Equations	2.34	62.40	89.00	17.80	80.20
20				Programming and Data Structure II	2.36	62.93	90.00	18.00	80.93
21				Database Management Systems	2.32	61.87	93.00	18.60	80.47
22				Computer Architecture	2.58	68.80	92.00	18.40	87.20
23				Analog and Digital Communication	2.35	62.67	92.50	18.50	81.17
24				Environmental Science and Engineering	2.28	60.80	91.00	18.20	79.00
25				Programming and Data Structure Laboratory II	2.52	67.20	89.00	17.80	85.00
				Database Management Systems Laboratory	2.28	60.80	92.00	18.40	79.20
26				DIGITAL COMMUNICATION LABORATORY	2.39	63.73	96.00	19.20	82.93
27			IV	Probability and Queueing Theory	2.58	68.80	93.00	18.60	87.40
29				Operating Systems	2.32	61.87	92.50	18.50	80.57
30				Design and Analysis of Algorithms	2.76	73.60	92.00	18.40	92.00
31				Microprocessor and Microcontroller	2.28	60.80	92.00	18.40	79.20
32				Software Engineering	2.68	71.47	89.00	17.80	89.27
33				SOFTWARE ENGINEERING LABORATORY	2.47	65.87	91.00	18.20	84.07
34				Microprocessor and Microcontroller Laboratory	2.42	64.53	89.00	17.80	82.33
35				Operating Systems Laboratory	2.36	62.93	90.00	18.00	80.93
36			V	Computer Networks	2.56	68.27	89.00	17.80	86.07
37				Graphics and Multimedia	2.22	59.20	92.00	18.40	77.60
38				Object Oriented Analysis and Design	2.54	67.73	95.00	19.00	86.73
39				Digital Signal Processing	2.58	68.80	92.00	18.40	87.20
40				Web Programming	2.66	70.93	92.00	18.40	89.33
41				Wireless Communication	2.47	65.87	94.00	18.80	84.67
42				Networks Laboratory	2.42	64.53	90.00	18.00	82.53
43				Web Programming Laboratory	2.36	62.93	94.00	18.80	81.73

	2017-18	III		Case Tools Laboratory	2.36	62.93	97.00	19.40	82.33
44			VI	Distributed Systems	2.32	61.87	97.00	19.4	81.27
45				Mobile Computing	2.46	65.60	92.30	18.46	84.06
46				Compiler Design	2.54	67.73	94.2	18.84	86.57
47				Software Architectures	2.28	60.80	94.6	18.92	79.72
48				Artificial Intelligence	2.6	69.33	90.1	18.02	87.35
49				TOTAL QUALITY MANAGEMENT	2.36	62.93	95.2	19.04	81.97
50				Mobile Application Development Laboratory	2.47	65.87	94.7	18.94	84.81
51				Compiler Laboratory	2.42	64.53	94.7	18.94	83.47
52				Communication and Soft Skills - Laboratory	2.36	62.93	94.2	18.84	81.77
53	2018-19	IV	VII	Cryptography and Network Security	2.28	60.80	92.6	18.52	79.32
54				Information Management	2.16	57.60	93.70	18.74	76.34
55				Grid and Cloud Computing	2.56	68.27	98.00	19.6	87.87
56				Data Ware Housing and Data Mining	2.48	66.13	90.50	18.1	84.23
57				Service Oriented Architecture	2.43	64.80	95.00	19	83.80
58				Software Testing	2.52	67.20	97.00	19.4	86.60
59				Security Laboratory	2.36	62.93	96.00	19.20	82.13
60				Grid and Cloud Computing Laboratory	2.38	63.47	97.00	19.4	82.87
61			VIII	SERVICE ORIENTED ARCHITECTURE	2.36	62.93	93.00	18.60	81.53
62				SOFTWARE PROJECT MANAGEMEN	2.52	67.20	97.00	19.4	86.60
63				CYBER FORENICS	2.38	63.47	93.00	18.6	82.07
				PROFESSIONAL ETHICS	2.36	62.93	92.00	18.40	81.33
64				Project Work	2.52	67.20	97.00	19.4	86.60

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PRATHYUSHA ENGINEERING COLLEGE

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CO ATTAINMENT FOR COURSES (2014- 18)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM RESULT)			INDIRECT METHOD (EOC)			OVERALL CO %
					SEC A	SEC B	CO (80%)	SEC A	SEC B	CO (20%)	CO (100%)
1	2014-15	I	I	HS6151 - TECHNICAL ENGLISH – I	2.52	2.45	66.27	93.6	94.6	18.82	85.09
2				MA6151 Mathematics – I	2.28	2.4	62.40	91.1	91.2	18.23	80.63
3				PH6151 Engineering Physics – I	2.57	2.52	67.87	94.00	95.00	18.90	86.77
4				Engineering Chemistry –I	2.38	2.58	66.13	93.50	92.00	18.55	84.68
5				Computer Programming	2.46	2.58	67.20	91.50	96.00	18.75	85.95
6				Engineering Graphics	2.28	2.4	62.40	94.00	97.00	19.10	81.50
7				Computer Practices Laboratory	2.32	2.36	62.40	94.00	93.00	18.70	81.10
8				Engineering Practices Laboratory	2.3	2.45	63.33	93.00	89.00	18.20	81.53
9				Physics and Chemistry Laboratory -I	2.38	2.41	63.87	93.00	96.00	18.90	82.77
10			II	Technical English –II	2.57	2.48	67.33	93.00	95.00	18.80	86.13
11				Mathematics –II	2.4	2.14	60.53	95.50	95.00	19.05	79.58
12				Engineering Physics –II	2.64	2.52	68.80	96.00	93.00	18.90	87.70
13				Engineering Chemistry –II	2.36	2.34	62.67	90.00	92.00	18.20	80.87
14				Digital Principles and System Design	2.52	2.45	66.27	94.6	95.6	19.02	85.29
15				Programming and Data Structures I	2.28	2.4	62.40	90.1	91.2	18.13	80.53
16				Physics and Chemistry Laboratory-II	2.48	2.32	64.00	91.00	94.00	18.50	82.50
17				Digital Laboratory	2.36	2.24	61.33	92.00	97.00	18.90	80.23
18				Programming and Data Structures Laboratory I	2.42	2.28	62.67	89.00	94.00	18.30	80.97

19	2015-16	II	III	Transforms and Partial Differential Equations	2.34	2.06	58.67	90.00	97.00	18.70	77.37
20				Programming and Data Structure II	2.36	2.24	61.33	93.00	97.00	19.00	80.33
21				Database Management Systems	2.52	2.45	66.27	94.6	95.6	19.02	85.29
22				Computer Architecture	2.28	2.4	62.40	90.1	91.2	18.13	80.53
23				Analog and Digital Communication	2.57	2.48	67.33	93.00	95.00	18.80	86.13
24				Environmental Science and Engineering	2.28	2.44	62.93	89.00	97.00	18.60	81.53
25				Programming and Data Structure Laboratory II	2.52	2.4	65.60	92.00	94.00	18.60	84.20
				Database Management Systems Laboratory	2.29	2.4	62.53	96.00	91.00	18.70	81.23
26				DIGITAL COMMUNICATION LABORATORY	2.52	2.45	66.27	94.6	95.6	19.02	85.29
27			IV	Probability and Queueing Theory	2.31	2.4	62.80	90.1	91.2	18.13	80.93
29				Operating Systems	2.32	2.14	59.47	92.00	90.00	18.20	80.57
30				Design and Analysis of Algorithms	2.76	2.22	66.40	92.00	86.00	17.80	84.20
31				Microprocessor and Microcontroller	2.28	2.4	62.40	89.00	89.00	17.80	80.20
32				Software Engineering	2.68	2.54	69.60	91.00	95.00	18.60	88.20
33				SOFTWARE ENGINEERING LABORATORY	2.48	2.36	64.53	89.00	92.00	18.10	82.63
34				Microprocessor and Microcontroller Laboratory	2.52	2.45	66.27	94.6	95.6	19.02	85.29
35				Operating Systems Laboratory	2.29	2.4	62.53	90.1	91.2	18.13	80.66
36			V	Computer Networks	2.56	2.36	65.60	92.00	93.00	18.50	84.10
37				Graphics and Multimedia	2.22	2.34	60.80	95.00	91.00	18.60	79.40
38				Object Oriented Analysis and Design	2.57	2.48	67.33	93.00	95.00	18.80	86.13
39				Digital Signal Processing	2.58	2.62	69.33	92.00	93.00	18.50	87.83
40				Web Programming	2.52	2.45	66.27	94.6	95.6	19.02	85.29
41				Wireless Communication	2.28	2.4	62.40	90.1	91.2	18.13	80.53
42				Networks Laboratory	2.42	2.32	63.20	94.00	92.00	18.60	81.80
43				Web Programming Laboratory	2.36	2.33	62.53	97.00	89.00	18.60	81.13

	2016-17	III		Case Tools Laboratory	2.54	2.45	66.53	94.6	95.6	19.02	85.55
44			VI	Distributed Systems	2.58	2.48	67.47	95.1	96.2	19.13	86.60
45				Mobile Computing	2.46	2.52	66.40	94.2	95.1	18.93	85.33
46				Compiler Design	2.54	2.44	66.40	94.6	95.6	19.02	85.42
47				Software Architectures	2.28	2.42	62.67	95.1	92.2	18.73	81.40
48				Artificial Intelligence	2.62	2.62	69.87	95.2	95.4	19.06	88.93
49				TOTAL QUALITY MANAGEMENT	2.36	2.54	65.33	94.7	94.6	18.93	84.26
50				Mobile Application Development Laboratory	2.47	2.36	64.40	94.7	94.2	18.89	83.29
51				Compiler Laboratory	2.42	2.32	63.20	94.2	95.2	18.94	82.14
52				Communication and Soft Skills - Laboratory	2.36	2.33	62.53	92.6	94.3	18.69	81.22
53	2017-18	IV	VII	Cryptography and Network Security	2.42	2.45	64.93	94.6	95.6	19.02	83.95
54				Information Management	2.28	2.43	62.80	90.1	91.2	18.13	80.93
55				Grid and Cloud Computing	2.56	2.44	66.67	90.50	91.00	18.15	84.82
56				Data Ware Housing and Data Mining	2.48	2.24	62.93	95.00	95.00	19	81.93
57				Service Oriented Architecture	2.43	2.12	60.67	97.00	92.00	18.9	79.57
58				Software Testing	2.52	2.45	66.27	96.00	93.00	18.9	85.17
59				Security Laboratory	2.32	2.45	63.60	94.00	96.00	19	82.60
60				Grid and Cloud Computing Laboratory	2.52	2.45	66.27	94.6	95.6	19.02	85.29
61			VIII	SERVICE ORIENTED ARCHITECTURE	2.28	2.43	62.80	90.1	91.2	18.13	80.93
62				SOFTWARE PROJECT MANAGEMEN	2.54	2.48	66.93	93.00	93.00	18.6	85.53
63				CYBER FORENICS	2.52	2.45	66.27	94.6	95.6	19.02	85.29
				PROFESSIONAL ETHICS	2.28	2.44	62.93	90.1	91.2	18.13	81.06
64				Project Work	2.52	2.34	64.80	92.00	90.00	18.2	83.00

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PRATHYUSHA ENGINEERING COLLEGE

DPEARTMENT OF INFORMATION TECHNOLOGY

CO ATTAINMENT FOR COURSES (2013- 17)

S.NO	ACADEMIC YEAR	YEAR	SEM	COURSE NAME	DIRECT METHOD (ASSESSMENT MARKS & SEM RESULT)			INDIRECT METHOD (EOC)			OVERALL CO %
					SEC A	SEC B	CO (80%)	SEC A	SEC B	CO (20%)	CO (100%)
1	2013-14	I	I	HS6151 - TECHNICAL ENGLISH – I	2.51	2.46	66.27	94.6	95.6	19.02	85.29
2				MA6151 Mathematics – I	2.18	2.4	61.07	90.1	91.2	18.13	79.20
3				PH6151 Engineering Physics – I	2.52	2.45	66.27	94.6	95.6	19.02	85.29
4				Engineering Chemistry –I	2.28	2.4	62.40	90.1	91.2	18.13	80.53
5				Computer Programming	2.54	2.45	66.53	94.6	95.6	19.02	85.55
6				Engineering Graphics	2.29	2.4	62.53	90.1	91.2	18.13	80.66
7				Computer Practices Laboratory	2.62	2.62	69.87	95.2	95.4	19.06	88.93
8				Engineering Practices Laboratory	2.36	2.54	65.33	94.7	94.6	18.93	84.26
9				Physics and Chemistry Laboratory -I	2.49	2.36	64.67	95.7	93.2	18.89	83.56
10			II	Technical English –II	2.42	2.32	63.20	94.2	95.2	18.94	82.14
11				Mathematics –II	2.46	2.14	61.33	95.50	95.00	19.05	80.38
12				Engineering Physics –II	2.65	2.52	68.93	96.00	93.00	18.90	87.83
13				Engineering Chemistry –II	2.46	2.34	64.00	91.00	92.00	18.30	82.30
14				Digital Principles and System Design	2.42	2.5	65.60	89.00	93.00	18.20	83.80
15				Programming and Data Structures I	2.38	2.58	66.13	92.00	90.00	18.20	84.33
16				Physics and Chemistry Laboratory-II	2.54	2.46	66.67	94.6	95.6	19.02	85.69
17				Digital Laboratory	2.38	2.4	63.73	90.1	91.2	18.13	81.86
18				Programming and Data Structures Laboratory I	2.64	2.62	70.13	95.2	95.4	19.06	89.19

19	2014-15	II	III	Transforms and Partial Differential Equations	2.57	2.46	67.07	94.6	95.6	19.02	86.09
20				Programming and Data Structure II	2.28	2.4	62.40	90.1	91.2	18.13	80.53
21				Database Management Systems	2.62	2.62	69.87	95.2	95.4	19.06	88.93
22				Computer Architecture	2.46	2.54	66.67	94.7	94.6	18.93	85.60
23				Analog and Digital Communication	2.47	2.36	64.40	94.7	94.2	18.89	83.29
24				Environmental Science and Engineering	2.43	2.32	63.33	94.2	95.2	18.94	82.27
25				Programming and Data Structure Laboratory II	2.54	2.46	66.67	94.6	95.6	19.02	85.69
				Database Management Systems Laboratory	2.28	2.4	62.40	90.1	92.2	18.23	80.63
26				DIGITAL COMMUNICATION LABORATORY	2.62	2.62	69.87	95.2	95.4	19.06	88.93
27			IV	Probability and Queueing Theory	2.36	2.54	65.33	94.7	94.6	18.93	84.26
29				Operating Systems	2.47	2.36	64.40	94.7	94.2	18.89	83.29
30				Design and Analysis of Algorithms	2.43	2.32	63.33	94.2	95.2	18.94	82.27
31				Microprocessor and Microcontroller	2.28	2.4	62.40	89.00	89.00	17.80	80.20
32				Software Engineering	2.68	2.54	69.60	91.00	95.00	18.60	88.20
33				SOFTWARE ENGINEERING LABORATORY	2.47	2.36	64.40	89.00	92.00	18.10	82.50
34				Microprocessor and Microcontroller Laboratory	2.44	2.32	63.47	90.00	93.00	18.30	81.77
35				Operating Systems Laboratory	2.46	2.58	67.20	93.50	97.00	19.05	86.25
36			V	Computer Networks	2.56	2.46	66.93	94.6	95.6	19.02	85.95
37				Graphics and Multimedia	2.28	2.4	62.40	90.1	91.2	18.13	80.53
38				Object Oriented Analysis and Design	2.64	2.62	70.13	95.2	95.4	19.06	89.19
39				Digital Signal Processing	2.46	2.54	66.67	94.7	94.6	18.93	85.60
40				Web Programming	2.47	2.36	64.40	94.7	94.2	18.89	83.29
41				Wireless Communication	2.42	2.32	63.20	94.2	95.2	18.94	82.14
42				Networks Laboratory	2.54	2.46	66.67	94.6	93.6	18.82	85.49
43				Web Programming Laboratory	2.28	2.43	62.80	90.1	91.2	18.13	80.93
	2015-16	III		Case Tools Laboratory	2.66	2.62	70.40	95.2	95.4	19.06	89.46

44	2015-16	III	VI	Distributed Systems	2.46	2.54	66.67	94.7	94.6	18.93	85.60
45				Mobile Computing	2.36	2.54	65.33	94.7	94.6	18.93	84.26
46				Compiler Design	2.47	2.36	64.40	94.7	94.2	18.89	83.29
47				Software Architectures	2.42	2.32	63.20	94.2	95.2	18.94	82.14
48				Artificial Intelligence	2.28	2.43	62.80	90.1	91.2	18.13	80.93
49				TOTAL QUALITY MANAGEMENT	2.36	2.54	65.33	94.7	94.6	18.93	84.26
50				Mobile Application Development Laboratory	2.47	2.36	64.40	94.7	94.2	18.89	83.29
51				Compiler Laboratory	2.42	2.32	63.20	94.2	95.2	18.94	82.14
52				Communication and Soft Skills - Laboratory	2.46	2.58	67.20	93.50	98.00	19.15	86.35
53	2016-17	IV	VII	Cryptography and Network Security	2.28	2.42	62.67	93.70	91.00	18.47	81.14
54				Information Management	2.16	2.46	61.60	98.00	92.00	19	80.60
55				Grid and Cloud Computing	2.56	2.44	66.67	90.50	91.00	18.15	84.82
56				Data Ware Housing and Data Mining	2.48	2.24	62.93	95.00	95.00	19	81.93
57				Service Oriented Architecture	2.48	2.24	62.93	95.00	95.00	19	81.93
58				Software Testing	2.43	2.14	60.93	97.00	92.00	18.9	79.83
59				Security Laboratory	2.52	2.45	66.27	96.00	93.00	18.9	85.17
60				Grid and Cloud Computing Laboratory	2.38	2.43	64.13	93.00	96.00	18.9	83.03
61			VIII	SERVICE ORIENTED ARCHITECTURE	2.44	2.34	63.73	96.00	97.00	19.3	83.03
62				SOFTWARE PROJECT MANAGEMEN	2.43	2.41	64.53	93.00	96.00	18.9	83.43
63				CYBER FORENICS	2.37	2.42	63.87	93.00	95.00	18.8	82.67
				PROFESSIONAL ETHICS	2.39	2.41	64.00	93.00	96.00	18.9	82.90
64				Project Work	2.52	2.54	67.47	95.00	94.00	18.9	86.37

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PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF MECH
COURSE ATTAINMENT 2016-2020

			A SECTION				B SECTION				CO
SEM	COURSE NAME		DIRECT	INDIRECT	TOTAL	AVERAG	DIRECT	INDIRECT	TOTAL	AVERAG	ATTAINMENT(%)
I	Technical English-I	CO1	2.4	2.6	2.44	2.53	2.4	2.76	2.472	2.55	84.63
		CO2	2.3	2.2	2.28		2.8	2.77	2.794		
		CO3	2.5	3	2.60		2.5	2.87	2.574		
		CO4	2.5	2.7	2.54		2.5	2.76	2.552		
		CO5	2.8	2.7	2.78		2.2	2.98	2.356		
	Mathematics-I	CO1	2.5	2.9	2.58	2.57	3	2.59	2.918	2.55	85.37
		CO2	2.5	2.6	2.52		2.6	2.26	2.532		
		CO3	2.6	2.7	2.62		2.2	2.78	2.316		
		CO4	2.7	2.9	2.74		2.5	2.76	2.552		
		CO5	2.3	2.7	2.38		2.4	2.67	2.454		
	Engineering Physics-I	CO1	2	2.8	2.16	2.40	2	2.56	2.112	2.27	77.75
		CO2	2.5	2.6	2.52		2.3	2.64	2.368		
		CO3	2.2	2.6	2.28		2.2	2.79	2.318		
		CO4	2.3	2.8	2.40		2	2.87	2.174		
		CO5	2.6	2.7	2.62		2.3	2.67	2.374		
	Engineering Chemistry-I	CO1	2.3	2.7	2.38	2.36	2.5	2.56	2.512	2.46	80.26
		CO2	2.5	2.5	2.50		2.3	2.69	2.378		
		CO3	2.3	3	2.44		2.4	2.78	2.476		
		CO4	2	3	2.20		2.4	2.89	2.498		
		CO5	2.1	3	2.28		2.3	2.87	2.414		
	Computer Programming	CO1	2.4	2.7	2.46	2.46	2.4	2.7	2.46	2.42	81.33
		CO2	2.4	2.8	2.48		2.3	3	2.44		
		CO3	2.5	2.6	2.52		2.2	3	2.36		
		CO4	2.3	2.5	2.34		2.3	3	2.44		
		CO5	2.4	3	2.52		2.3	2.7	2.38		
	Engineering Graphics	CO1	2.4	2.9	2.50	2.41	2.2	2.8	2.32	2.44	80.77
		CO2	2.1	3	2.28		2.5	2.6	2.52		
		CO3	2.3	2.8	2.40		2.4	2.5	2.42		
		CO4	2.4	2.8	2.48		2.3	3	2.44		
		CO5	2.3	2.65	2.37		2.4	2.9	2.5		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Technical English II	CO1	2.5	2.76	2.55	2.47	2.4	2.6	2.44	2.49	82.66
		CO2	2.4	2.45	2.41		2.6	2.7	2.62		
		CO3	2.3	2.78	2.40		2.3	2.9	2.42		
		CO4	2.4	2.6	2.44		2.4	2.6	2.44		
		CO5	2.5	2.7	2.54		2.5	2.7	2.54		
	Mathematics II	CO1	2.4	2.7	2.46	2.37	2.3	2.5	2.34	2.38	79.07
		CO2	2.5	2.56	2.51		2.5	2.4	2.48		
		CO3	2.2	2.54	2.27		1.8	2.8	2		
		CO4	2.3	2.4	2.32		2.5	3	2.6		
		CO5	2.2	2.6	2.28		2.4	2.7	2.46		
	Engineering Physics II	CO1	2	2.5	2.10	2.38	2.5	3	2.6	2.49	81.15
		CO2	2.5	2.65	2.53		2.4	3.4	2.6		
		CO3	2.1	2.4	2.16		2.3	2.8	2.4		
		CO4	2.7	2.8	2.72		2.4	2.2	2.36		
		CO5	2.3	2.67	2.37		2.5	2.5	2.5		

II	Engineering Chemistry II	CO1	2.4	2.56	2.43	2.35	2.6	2.97	2.674	2.48	80.45
		CO2	2.3	2.54	2.35		2.3	2.67	2.374		
		CO3	2.1	2.76	2.23		2.1	2.9	2.26		
		CO4	2.1	2.68	2.22		2.7	2.98	2.756		
		CO5	2.5	2.56	2.51		2.3	2.45	2.33		
	Basic Electrical & Electronics Engineering	CO1	2.4	2.56	2.43	2.51	2.4	2.67	2.454	2.46	82.74
		CO2	2.3	2.98	2.44		2.3	2.54	2.348		
		CO3	2.4	2.65	2.45		2.4	2.56	2.432		
		CO4	2.5	2.67	2.53		2.4	2.87	2.494		
		CO5	2.6	2.98	2.68		2.6	2.43	2.566		
	Engineering Mechanics	CO1	2.4	2.78	2.48	2.36	2.4	2.45	2.41	2.23	76.43
		CO2	2.3	2.67	2.37		2.2	2.56	2.272		
		CO3	2.3	2.65	2.37		2.1	2.7	2.22		
		CO4	2.2	2.58	2.28		2.1	2.4	2.16		
		CO5	2.2	2.65	2.29		2	2.4	2.08		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
III	Transforms And Partial Differential Equation	CO1	1.9	2.7	2.06	2.40	2.1	2.6	2.2	2.38	79.57
		CO2	2.5	2.4	2.48		2.7	2.6	2.68		
		CO3	2.8	2.65	2.77		2.6	2.5	2.58		
		CO4	2.2	2.6	2.28		2.1	2.5	2.18		
		CO5	2.4	2.4	2.40		2.2	2.4	2.24		
	Strength of Materials	CO1	2	2.5	2.10	2.16	2.6	2.7	2.62	2.57	78.84
		CO2	2.5	2.45	2.49		2.2	2.4	2.24		
		CO3	1.9	2.43	2.01		2.3	2.65	2.37		
		CO4	1.8	2.37	1.91		2.8	2.6	2.76		
		CO5	2.2	2.56	2.27		3	2.4	2.88		
	Engineering Thermodynamics	CO1	2.4	2.45	2.41	2.31	2.7	2.5	2.66	2.14	74.19
		CO2	2.1	2.65	2.21		2.1	2.45	2.17		
		CO3	2	2.48	2.10		1.8	2.43	1.926		
		CO4	2.4	2.45	2.41		1.8	2.37	1.914		
		CO5	2.4	2.54	2.43		1.9	2.56	2.032		
	Fluid Mechanics and Machinery	CO1	2.5	2.6	2.52	2.43	2.7	2.45	2.65	2.45	81.43
		CO2	2.3	2.4	2.32		2.4	2.65	2.45		
		CO3	2.6	2.5	2.58		2.2	2.48	2.256		
		CO4	2.3	2.45	2.33		2.4	2.45	2.41		
		CO5	2.4	2.43	2.41		2.5	2.54	2.508		
	Manufacturing Technology I	CO1	2.3	2.37	2.31	2.36	2.5	2.43	2.486	2.48	80.75
		CO2	2.5	2.56	2.51		2.4	2.65	2.45		
		CO3	2.4	2.7	2.46		2.3	2.45	2.33		
		CO4	2.1	2.4	2.16		2.5	2.43	2.486		
		CO5	2.3	2.65	2.37		2.7	2.49	2.658		
	Electrical Drives and Control	CO1	2.6	2.6	2.60	2.32	2.7	2.5	2.66	2.52	80.69
		CO2	2.2	2.4	2.24		2.1	2.4	2.16		
		CO3	1.9	2.54	2.03		1.8	2.7	1.98		
		CO4	2.2	2.76	2.31		3	2.4	2.88		
		CO5	2.3	2.88	2.42		3	2.65	2.93		
	Manufacturing Technology Lab I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Fluid Mechanics and Machinery Laboratory Y	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Electrical Engineering Laboratory	CO1	3	3	3.00	2.60	3	3	3	2.91	91.82
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

	Statistics and Numerical Methods	CO1	2.1	2.76	2.23	2.20	3	2.87	2.974	2.82	83.64
		CO2	2	2.45	2.09		2.9	2.67	2.854		
		CO3	2	2.78	2.16		2.8	2.98	2.836		
		CO4	2.1	2.6	2.20		2.8	2.787	2.7974		
		CO5	2.2	2.7	2.30		2.6	2.86	2.652		
	Kinematics of Machinery	CO 1	2.3	2.7	2.38	2.34	2.6	2.93	2.666	2.44	79.53
		CO 2	2.5	2.56	2.51		2.4	2.9	2.5		
		CO 3	2.2	2.54	2.27		2.1	2.56	2.192		
		CO 4	2.3	2.4	2.32		2.4	2.56	2.432		
		CO 5	2.1	2.6	2.20		2.4	2.34	2.388		
	Manufacturing Technology – II	CO1	2	2.5	2.10	2.42	2.7	2.76	2.712	2.58	83.47
		CO2	2.4	2.65	2.45		2.5	2.9	2.58		
		CO3	2.6	2.4	2.56		2.6	2.78	2.636		
		CO4	2.3	2.8	2.40		2.5	2.87	2.574		
		CO5	2.6	2.67	2.61		2.3	2.87	2.414		
	Engineering Materials and Metallurgy	CO1	3	2.56	2.91	2.45	2.5	2.45	2.49	2.51	82.65
		CO2	2.4	2.76	2.47		2.6	2.78	2.636		
		CO3	1.8	2.45	1.93		2.4	2.6	2.44		
		CO4	2.1	2.78	2.24		2.4	2.7	2.46		
		CO5	2.7	2.6	2.68		2.5	2.7	2.54		
IV	Environmental Science & Engineering	CO1	3	2.7	2.94	2.48	2.7	2.56	2.672	2.57	84.20
		CO2	2.1	2.7	2.22		2.5	2.54	2.508		
		CO3	1.8	2.56	1.95		2.4	2.4	2.4		
		CO4	2.4	2.54	2.43		2.6	2.6	2.6		
		CO5	3	2.4	2.88		2.7	2.5	2.66		
	Thermal Engineering	CO1	2.4	2.6	2.44	2.47	2.7	2.65	2.69	2.76	87.13
		CO2	2.3	2.5	2.34		2.7	2.4	2.64		
		CO3	2.4	2.65	2.45		2.8	2.8	2.8		
		CO4	2.6	2.4	2.56		2.8	2.5	2.74		
		CO5	2.5	2.8	2.56		3	2.6	2.92		
	Manufacturing Technology Lab – II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Thermal Engineering Laboratory-I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Strength of Materials Laboratory	CO1	3	3	3.00	2.91	3	3	3	2.86	96.01
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Computer Aided Design	CO1	2.4	2.54	2.43	2.81	2.4	2.4	2.4	2.71	92.03
		CO2	3	2.4	2.88		2.4	2.6	2.44		
		CO3	3	2.6	2.92		3	2.5	2.9		
		CO4	3	2.5	2.90		3	2.65	2.93		
		CO5	3	2.65	2.93		3	2.4	2.88		
	Heat & Mass Transfer	CO1	1.8	2.4	1.92	2.16	2.4	2.8	2.48	2.64	80.02
		CO2	2.1	2.8	2.24		2.4	2.67	2.454		
		CO3	1.8	2.67	1.97		2.4	2.56	2.432		
		CO4	2.1	2.56	2.19		3	2.76	2.952		
		CO5	2.4	2.76	2.47		3	2.45	2.89		
	Design of Machine Elements	CO1	1.8	2.45	1.93	2.22	1.8	2.78	1.996	2.17	73.11
		CO2	2.1	2.78	2.24		2.1	2.65	2.21		
		CO3	2.1	2.65	2.21		1.8	2.7	1.98		
		CO4	2.4	2.89	2.50		2.4	2.8	2.48		
		CO5	2.1	2.67	2.21		2.1	2.5	2.18		
	Metrology and Measurement	CO1	2.3	2.98	2.44	2.62	1.8	2.5	1.94	2.24	80.95
		CO2	2.6	2.89	2.66		2.1	2.5	2.18		
		CO3	2.7	2.88	2.74		2.4	2.4	2.4		
		CO4	2.6	2.87	2.65		2.4	2.6	2.44		
		CO5	2.6	2.7	2.62		2.1	2.7	2.22		
V	Dynamics of Machines	CO1	2.7	2.8	2.72	2.52	2.4	2.8	2.48	2.57	84.95
		CO2	2.6	2.5	2.58		2.6	2.76	2.632		
		CO3	2.5	2.5	2.50		2.7	2.56	2.672		
		CO4	2.6	2.5	2.58		2.4	2.45	2.41		
		CO5	2.2	2.4	2.24		2.7	2.56	2.672		

	Professional Ethics in Engineering	CO1	2.7	2.5	2.66	2.49	1.9	2.6	2.04	2.34	80.47
		CO2	2.3	2.8	2.40		2.5	2.7	2.54		
		CO3	2.4	2.5	2.42		2.6	2.5	2.58		
		CO4	2.5	2.8	2.56		2.3	2.5	2.34		
		CO5	2.3	2.8	2.40		2.1	2.6	2.2		
	Dynamics Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Thermal Engineering Laboratory II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Metrology & Measurements Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Design of Transmission Systems	CO1	2.6	2.6	2.60	2.37	2.7	2.78	2.716	2.40	79.47
		CO2	2.2	2.7	2.30		2.4	2.98	2.516		
		CO3	1.8	2.6	1.96		2.2	2.9	2.34		
		CO4	2.6	2.8	2.64		2.1	2.56	2.192		
		CO5	2.3	2.5	2.34		2.1	2.78	2.236		
	Principles of Management	CO1	2.3	2.4	2.32	2.48	2.7	2.45	2.65	2.49	82.89
		CO2	2.7	2.8	2.72		2.1	2.67	2.214		
		CO3	2.2	2.6	2.28		1.8	2.87	2.014		
		CO4	2.3	2.87	2.41		3	2.56	2.912		
		CO5	2.7	2.56	2.67		2.7	2.56	2.672		
	Automobile Engineering	CO1	2.3	2.78	2.40	2.40	2.7	2.68	2.696	2.51	81.78
		CO2	2.4	2.98	2.52		2.1	2.59	2.198		
		CO3	2.2	2.9	2.34		1.8	2.6	1.96		
		CO4	2.2	2.56	2.27		3	2.8	2.96		
		CO5	2.4	2.78	2.48		2.7	2.8	2.72		
	Finite Element Analysis	CO1	2.3	2.45	2.33	2.43	2.7	2.6	2.68	2.76	86.43
		CO2	2.3	2.67	2.37		2.4	2.8	2.48		
		CO3	2.1	2.87	2.25		3	2.9	2.98		
		CO4	2.6	2.56	2.59		3	2.77	2.954		
		CO5	2.6	2.56	2.59		2.7	2.66	2.692		
VI	Gas Dynamics and Jet Propulsion	CO1	2.6	2.68	2.62	2.39	2.7	2.6	2.68	2.49	81.35
		CO2	2.3	2.59	2.36		2.4	2.5	2.42		
		CO3	2.4	2.6	2.44		2.3	2.65	2.37		
		CO4	2.2	2.8	2.32		2.2	2.4	2.24		
		CO5	2.1	2.8	2.24		2.7	2.8	2.72		
	Unconventional Machining Processes	CO1	2.6	2.6	2.60	2.58	2.7	2.67	2.694	2.50	84.63
		CO2	2.7	2.8	2.72		2.1	2.56	2.192		
		CO3	2.6	2.9	2.66		1.8	2.76	1.992		
		CO4	2.4	2.77	2.47		3	2.45	2.89		
		CO5	2.4	2.66	2.45		2.7	2.78	2.716		
	CAD / CAM Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Design & Fabrication Project	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Communication Skills - Laboratory based	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

VII	Power Plant Engineering	CO1	3	2.6	2.92	2.82	2.7	2.6	2.68	2.72	92.27
		CO2	2.8	2.8	2.80		2.6	2.7	2.62		
		CO3	2.7	2.9	2.74		2.7	2.6	2.68		
		CO4	3	2.6	2.92		3	2.8	2.96		
		CO5	2.7	2.7	2.70		2.7	2.5	2.66		
	Mechatronics	CO1	2.3	2.9	2.42	2.59	2.7	2.4	2.64	2.75	89.09
		CO2	2.4	2.5	2.42		2.8	2.8	2.8		
		CO3	2.6	2.8	2.64		2.4	2.6	2.44		
		CO4	2.8	2.8	2.80		3	2.87	2.974		
		CO5	2.7	2.6	2.68		3	2.56	2.912		
	Computer Integrated Manufacturing Systems	CO1	2.7	2.9	2.74	2.55	2.1	2.78	2.236	2.37	82.02
		CO2	2.6	2.5	2.58		2.6	2.98	2.676		
		CO3	2.1	2.77	2.23		1.8	2.9	2.02		
		CO4	2.7	2.88	2.74		2.4	2.56	2.432		
		CO5	2.4	2.78	2.48		2.4	2.78	2.476		
	Total Quality Management	CO1	2.7	2.56	2.67	2.75	2.7	2.56	2.672	2.77	91.89
		CO2	3	2.56	2.91		2.8	2.66	2.772		
		CO3	3	2.67	2.93		3	2.67	2.934		
		CO4	2.7	2.8	2.72		2.7	2.8	2.72		
		CO5	2.4	2.88	2.50		2.7	2.88	2.736		
	Process Planning & Cost Estimation	CO1	3	2.67	2.93	2.53	2.7	2.67	2.694	2.66	86.48
		CO2	2.5	2.9	2.58		3	2.88	2.976		
		CO3	2.3	2.5	2.34		2.6	2.5	2.58		
		CO4	2.3	2.5	2.34		2.4	2.5	2.42		
		CO5	2.4	2.7	2.46		2.6	2.7	2.62		
	Maintenance Engineering	CO1	2.7	2.7	2.70	2.64	2.7	2.7	2.7	2.58	86.91
		CO2	2.8	2.8	2.80		2.7	2.8	2.72		
		CO3	2.7	2.88	2.74		2.1	2.88	2.256		
		CO4	2.1	2.9	2.26		2.4	2.9	2.5		
		CO5	2.7	2.7	2.70		2.7	2.7	2.7		
	Simulation & Analysis Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Mechatronics Lab	CO1	3	3	3.00		3	3	3		
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Comprehension	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
VIII	Engineering Economics	CO1	2.4	2.65	2.45	2.45	2.6	2.6	2.6	2.54	83.11
		CO2	2.4	2.54	2.43		2.7	2.7	2.7		
		CO3	2.4	2.87	2.49		2.7	2.8	2.72		
		CO4	2.4	2.55	2.43		2.3	2.9	2.42		
		CO5	2.4	2.56	2.43		2.2	2.5	2.26		
	Production Planning & Control	CO1	3	2.88	2.98	2.61	2.7	2.6	2.68	2.65	87.75
		CO2	2.7	2.98	2.76		2.7	2.6	2.68		
		CO3	2.4	2.58	2.44		2.4	2.65	2.45		
		CO4	2.4	2.6	2.44		2.4	2.76	2.472		
		CO5	2.4	2.7	2.46		3	2.87	2.974		
	Advanced I.C. Engines	CO1	2.4	2.5	2.42	2.84	2.7	2.76	2.712	2.71	92.48
		CO2	3	2.56	2.91		3	2.78	2.956		
		CO3	3	2.7	2.94		2.4	2.45	2.41		
		CO4	3	2.8	2.96		2.4	2.79	2.478		
		CO5	3	2.9	2.98		3	2.88	2.976		
	Project Work	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

HOD / MECH

ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF MECH
COURSE ATTAINMENT 2015-2019

SEM	COURSE NAME		A SECTION				B SECTION				OVERALL CO ATTAINMENT(%)
			DIRECT	INDIRECT	TOTAL	AVERAG	DIRECT	INDIRECT	TOTAL	AVERAGE	
I	Technical English-I	CO1	2.2	2.79	2.32	2.59	2.5	2.75	2.55	2.57	85.96
		CO2	2.5	2.94	2.59		2.8	2.48	2.736		
		CO3	2.7	2.86	2.73		2.6	2.9	2.66		
		CO4	2.5	2.8	2.56		2.5	2.85	2.57		
		CO5	2.8	2.58	2.76		2.2	2.79	2.318		
	Mathematics-I	CO1	2.5	2.74	2.55	2.60	2.7	2.84	2.728	2.66	87.63
		CO2	2.5	2.77	2.55		2.6	2.92	2.664		
		CO3	2.7	2.87	2.73		2.6	2.94	2.668		
		CO4	2.7	2.59	2.68		2.7	2.86	2.732		
		CO5	2.4	2.73	2.47		2.4	2.98	2.516		
	Engineering Physics-I	CO1	2	2.88	2.18	2.39	2	2.46	2.092	2.24	77.26
		CO2	2.5	2.92	2.58		2.3	2.73	2.386		
		CO3	2.2	2.84	2.33		2	2.78	2.156		
		CO4	2.3	2.82	2.40		2	2.95	2.19		
		CO5	2.4	2.75	2.47		2.3	2.76	2.392		
	Engineering Chemistry-I	CO1	2.3	2.48	2.34	2.28	2.5	2.88	2.576	2.47	79.22
		CO2	2.2	2.9	2.34		2.3	2.65	2.37		
		CO3	2.3	2.85	2.41		2.4	2.88	2.496		
		CO4	2	2.79	2.16		2.4	2.92	2.504		
		CO5	2	2.84	2.17		2.3	2.84	2.408		
	Computer Programming	CO1	2.4	2.92	2.50	2.50	2.4	2.82	2.484	2.44	82.29
		CO2	2.3	2.94	2.43		2.4	2.75	2.47		
		CO3	2.5	2.92	2.58		2.2	2.48	2.256		
		CO4	2.4	2.84	2.49		2.5	2.9	2.58		
		CO5	2.4	2.82	2.48		2.3	2.85	2.41		
	Engineering Graphics	CO1	2.4	2.75	2.47	2.41	2.2	2.79	2.318	2.44	80.75
		CO2	2	2.48	2.10		2.5	2.67	2.534		
		CO3	2.3	2.9	2.42		2.4	2.69	2.458		
		CO4	2.4	2.85	2.49		2.3	2.73	2.386		
		CO5	2.5	2.79	2.56		2.4	2.88	2.496		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	2.5	2.6	2.52	2.48	2.4	2.79	2.478	2.51	83.11
	Technical English II	CO1	2.4	2.7	2.46		2.6	2.94	2.668		
		CO2	2.3	2.9	2.42		2.3	2.86	2.412		
		CO3	2.4	2.6	2.44		2.4	2.8	2.48		
		CO4	2.5	2.7	2.54		2.5	2.58	2.516		
		CO5	2.4	2.5	2.42	2.39	2.3	2.74	2.388	2.39	79.67
	Mathematics II	CO1	2.5	2.4	2.48		2.5	2.77	2.554		
		CO2	2.2	2.8	2.32		1.8	2.87	2.014		
		CO3	2.3	3	2.44		2.5	2.59	2.518		
		CO4	2.2	2.7	2.30		2.4	2.73	2.466		
		CO5	2	3	2.20		2.5	2.88	2.576	2.50	81.89
	Engineering Physics II	CO1	2.5	3.4	2.68	2.41	2.4	2.92	2.504		
		CO2	2.1	2.8	2.24		2.3	2.84	2.408		
		CO3	2.7	2.2	2.60		2.4	2.82	2.484		
		CO4	2.3	2.5	2.34		2.5	2.67	2.534		
		CO5									

II	Engineering Chemistry II	CO1	2.4	2.97	2.51	2.38	2.6	2.98	2.676	2.48	81.13
		CO2	2.3	2.67	2.37		2.3	2.87	2.414		
		CO3	2.1	2.9	2.26		2.1	2.6	2.2		
		CO4	2.1	2.98	2.28		2.7	2.89	2.738		
		CO5	2.5	2.45	2.49		2.3	2.78	2.396		
	Basic Electrical & Electronics Engineering	CO1	2.4	2.67	2.45	2.50	2.4	2.67	2.454	2.49	83.17
		CO2	2.3	2.67	2.37		2.3	2.78	2.396		
		CO3	2.4	2.78	2.48		2.4	2.89	2.498		
		CO4	2.5	2.74	2.55		2.4	2.6	2.44		
		CO5	2.6	2.89	2.66		2.6	2.87	2.654		
	Engineering Mechanics	CO1	2.4	2.9	2.50	2.39	2.4	2.87	2.494	2.29	78.06
		CO2	2.3	2.67	2.37		2.2	2.98	2.356		
		CO3	2.3	2.93	2.43		2.1	2.9	2.26		
		CO4	2.2	2.78	2.32		2.1	2.6	2.2		
		CO5	2.2	2.88	2.34		2	2.78	2.156		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
III	Transforms And Partial Differential Equation	CO1	1.9	3.4	2.20	2.44	2.1	2.9	2.26	2.40	80.65
		CO2	2.5	2.8	2.56		2.7	2.6	2.68		
		CO3	2.8	2.2	2.68		2.6	2.7	2.62		
		CO4	2.2	2.5	2.26		2.1	2.5	2.18		
		CO5	2.4	2.97	2.51		2.2	2.4	2.24		
	Strength of Materials	CO1	2.7	2.67	2.69	2.66	2.7	2.8	2.72	2.66	88.65
		CO2	2.7	2.9	2.74		2.7	3	2.76		
		CO3	2.4	2.98	2.52		2.4	2.7	2.46		
		CO4	2.7	2.45	2.65		2.55	3	2.64		
		CO5	2.7	2.67	2.69		2.55	3.4	2.72		
	Engineering Thermodynamics	CO1	2.4	2.67	2.45	2.37	2.7	2.8	2.72	2.16	75.41
		CO2	2.1	2.84	2.25		2.1	2.2	2.12		
		CO3	2	2.98	2.20		1.8	2.5	1.94		
		CO4	2.4	2.76	2.47		1.8	2.4	1.92		
		CO5	2.4	2.76	2.47		1.9	2.8	2.08		
	Fluid Mechanics and Machinery	CO1	2.4	2.77	2.47	2.63	2.4	3	2.52	2.76	89.76
		CO2	2.7	2.87	2.73		2.7	2.7	2.7		
		CO3	2.4	2.87	2.49		2.4	3	2.52		
		CO4	3	2.76	2.95		3	3.4	3.08		
		CO5	2.4	2.87	2.49		3	2.8	2.96		
	Manufacturing Technology I	CO1	2.7	2.88	2.74	2.58	2.5	2.2	2.44	2.51	84.85
		CO2	2.7	2.97	2.75		2.4	2.5	2.42		
		CO3	2.4	2.76	2.47		2.3	2.97	2.434		
		CO4	2.1	2.98	2.28		2.5	2.67	2.534		
		CO5	2.7	2.45	2.65		2.7	2.9	2.74		
	Electrical Drives and Control	CO1	2.6	2.78	2.64	2.34	2.7	2.98	2.756	2.56	81.75
		CO2	2.2	2.65	2.29		2.1	2.56	2.192		
		CO3	1.9	2.64	2.05		1.8	2.76	1.992		
		CO4	2.2	2.87	2.33		3	2.65	2.93		
		CO5	2.3	2.88	2.42		3	2.65	2.93		
	Manufacturing Technology Lab I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Fluid Mechanics and Machinery Laboratory Y	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Electrical Engineering Laboratory	CO1	3	3	3.00	2.60	3	3	3	2.91	91.82
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

Dynamics Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Thermal Engineering Laboratory II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Metrology & Measurements Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Design of Transmission Systems	CO1	2.7	2.67	2.69	2.83	2.7	2.84	2.728	2.87	94.89
	CO2	3	2.45	2.89		3	2.92	2.984		
	CO3	2.7	2.67	2.69		2.7	2.65	2.69		
	CO4	3	2.62	2.92		3	2.98	2.996		
	CO5	3	2.67	2.93		3	2.67	2.934		
Principles of Management	CO1	2.7	2.56	2.67	2.57	2.7	2.7	2.7	2.76	88.73
	CO2	3	2.76	2.95		3	2.8	2.96		
	CO3	2.1	2.45	2.17		2.4	2.9	2.5		
	CO4	2.7	2.45	2.65		3	2.6	2.92		
	CO5	2.4	2.37	2.39		2.7	2.7	2.7		
Automobile Engineering	CO1	2.3	2.45	2.33	2.38	2.7	2.8	2.72	2.52	81.63
	CO2	2.4	2.56	2.43		2.1	2.67	2.214		
	CO3	2.2	2.64	2.29		1.8	2.9	2.02		
	CO4	2.2	2.87	2.33		3	2.54	2.908		
	CO5	2.4	2.89	2.50		2.7	2.92	2.744		
Finite Element Analysis	CO1	2.4	2.88	2.50	2.71	1.9	2.83	2.086	2.18	81.56
	CO2	2.7	2.87	2.73		2.2	2.9	2.34		
	CO3	2.7	2.78	2.72		1.9	2.85	2.09		
	CO4	3	2.75	2.95		2.2	2.79	2.318		
	CO5	2.7	2.45	2.65		1.9	2.84	2.088		
Gas Dynamics and Jet Propulsion	CO1	2.6	2.45	2.57	2.35	2.7	2.92	2.744	2.54	81.51
	CO2	2.3	2.37	2.31		2.4	2.65	2.45		
	CO3	2.4	2.45	2.41		2.3	2.98	2.436		
	CO4	2.2	2.56	2.27		2.2	2.87	2.334		
	CO5	2.1	2.64	2.21		2.7	2.78	2.716		
Unconventional Machining Processes	CO1	2.7	2.56	2.67	2.82	2.7	2.78	2.716	2.88	94.93
	CO2	3	2.44	2.89		3	2.98	2.996		
	CO3	2.7	2.48	2.66		2.7	2.89	2.738		
	CO4	3	2.67	2.93		3	2.87	2.974		
	CO5	3	2.66	2.93		3	2.87	2.974		
CAD / CAM Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Design & Fabrication Project	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Communication Skills - Laboratory based	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Power Plant Engineering	CO1	2.7	2.67	2.69	2.76	2.7	2.78	2.716	2.81	92.89
	CO2	2.7	2.87	2.73		3	2.76	2.952		
	CO3	2.7	2.9	2.74		2.7	2.87	2.734		
	CO4	3	2.54	2.91		3	2.76	2.952		
	CO5	2.7	2.92	2.74		2.7	2.67	2.694		
Mechatronics	CO1	2.1	2.83	2.25	2.54	2.4	2.56	2.432	2.58	85.21
	CO2	2.7	2.9	2.74		2.7	2.45	2.65		
	CO3	2.4	2.85	2.49		2.4	2.67	2.454		
	CO4	2.4	2.79	2.48		2.7	2.45	2.65		
	CO5	2.7	2.84	2.73		2.7	2.67	2.694		
Computer Integrated Manufacturing Systems	CO1	2.4	2.92	2.50	2.39	2.7	2.45	2.65	2.44	80.51
	CO2	1.8	2.65	1.97		2.1	2.67	2.214		
	CO3	2.7	2.98	2.76		2.4	2.62	2.444		
	CO4	2.4	2.87	2.49		2.7	2.67	2.694		
	CO5	2.1	2.78	2.24		2.1	2.56	2.192		

VI

	Statistics and Numerical Methods	CO1	2.1	2.45	2.17	2.20	3	2.67	2.934	2.82	83.63
		CO2	2	2.56	2.11		2.9	2.89	2.898		
		CO3	2	2.78	2.16		2.8	2.78	2.796		
		CO4	2.1	2.68	2.22		2.8	2.84	2.808		
		CO5	2.2	2.9	2.34		2.6	2.9	2.66		
	Kinematics of Machinery	CO 1	2.1	2.88	2.26	2.37	2.1	2.9	2.26	2.35	78.63
		CO 2	2.7	2.76	2.71		2.7	2.6	2.68		
		CO 3	2.4	2.67	2.45		2.4	2.7	2.46		
		CO 4	1.8	2.69	1.98		1.8	2.5	1.94		
		CO 5	2.4	2.65	2.45		2.4	2.4	2.4		
	Manufacturing Technology – II	CO1	2	2.56	2.11	2.47	2.7	2.8	2.72	2.61	84.73
		CO2	2.4	2.98	2.52		2.5	3	2.6		
		CO3	2.6	2.78	2.64		2.6	2.7	2.62		
		CO4	2.3	2.9	2.42		2.5	3	2.6		
		CO5	2.6	2.98	2.68		2.3	3.4	2.52		
	Engineering Materials and Metallurgy	CO1	3	2.45	2.89	2.46	2.5	2.8	2.56	2.51	82.85
		CO2	2.4	2.67	2.45		2.6	2.2	2.52		
		CO3	1.8	2.67	1.97		2.4	2.87	2.494		
		CO4	2.1	2.84	2.25		2.4	2.56	2.432		
		CO5	2.7	2.98	2.76		2.5	2.63	2.526		
IV	Environmental Science & Engineering	CO1	2.4	2.76	2.47	2.72	2.7	2.87	2.734	2.61	88.89
		CO2	2.7	2.76	2.71		2.5	2.74	2.548		
		CO3	2.7	2.77	2.71		2.4	2.98	2.516		
		CO4	3	2.87	2.97		2.6	2.45	2.57		
		CO5	2.7	2.87	2.73		2.7	2.67	2.694		
	Thermal Engineering	CO1	2.4	2.56	2.43	2.50	2.7	2.7	2.7	2.74	87.37
		CO2	2.3	2.63	2.37		2.7	2.4	2.64		
		CO3	2.4	2.87	2.49		2.8	2.3	2.7		
		CO4	2.6	2.74	2.63		2.8	2.4	2.72		
		CO5	2.5	2.9	2.58		3	2.76	2.952		
	Manufacturing Technology Lab – II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Thermal Engineering Laboratory-I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Strength of Materials Laboratory	CO1	3	3	3.00	2.67	3	3	3	2.89	92.62
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Computer Aided Design	CO1	2	2.67	2.13	2.34	3	2.76	2.952	2.77	85.23
		CO2	2	2.78	2.16		2.7	2.76	2.712		
		CO3	2.4	2.76	2.47		3	2.77	2.954		
		CO4	2.2	2.98	2.36		2.4	2.87	2.494		
		CO5	2.6	2.6	2.60		2.7	2.9	2.74		
	Heat & Mass Transfer	CO1	1.8	2.7	1.98	2.17	2.4	2.54	2.428	2.67	80.69
		CO2	2.1	2.5	2.18		2.4	2.92	2.504		
		CO3	1.8	2.4	1.92		2.4	2.83	2.486		
		CO4	2.1	2.8	2.24		3	2.9	2.98		
		CO5	2.4	3	2.52		3	2.85	2.97		
	Design of Machine Elements	CO1	1.8	2.7	1.98	2.24	1.2	2.79	1.518	2.48	78.73
		CO2	2.1	3	2.28		2.8	2.84	2.808		
		CO3	2.1	3.4	2.36		2.6	2.92	2.664		
		CO4	2.4	2.8	2.48		2.7	2.65	2.69		
		CO5	2.1	2.2	2.12		2.8	2.4	2.72		
	Metrology and Measurement	CO1	2.3	2.89	2.42	2.62	2.8	2.8	2.8	2.72	89.13
		CO2	2.6	2.78	2.64		2.6	3	2.68		
		CO3	2.7	2.84	2.73		2.4	2.7	2.46		
		CO4	2.6	2.9	2.66		2.8	3	2.84		
		CO5	2.6	2.98	2.68		2.7	3.4	2.84		
V	Dynamics of Machines	CO1	2.1	2.76	2.23	2.33	2.4	2.8	2.48	2.59	81.90
		CO2	2.4	2.65	2.45		2.6	2.2	2.52		
		CO3	2.4	2.67	2.45		2.7	2.5	2.66		
		CO4	2.1	2.78	2.24		2.4	2.97	2.514		
		CO5	2.1	2.92	2.26		2.7	3	2.76		
	Professional Ethics in Engineering	CO1	2.7	2.65	2.69	2.50	1.9	2.5	2.02	2.18	77.95
		CO2	2.3	2.4	2.32		2.1	2.2	2.12		
		CO3	2.4	2.8	2.48		1.9	2.8	2.08		
		CO4	2.5	3	2.60		2.3	3	2.44		
		CO5	2.3	2.78	2.40		2.1	2.8	2.24		

VII	Total Quality Management	CO1	2.4	2.78	2.48	2.62	3	2.76	2.952	2.76	89.63
		CO2	2.7	2.45	2.65		2.7	2.45	2.65		
		CO3	3	2.45	2.89		3	2.45	2.89		
		CO4	2.4	2.62	2.44		2.7	2.37	2.634		
		CO5	2.65	2.67	2.65		2.7	2.45	2.65		
	Process Planning & Cost Estimation	CO1	3	2.56	2.91	2.52	2.7	2.56	2.672	2.68	86.68
		CO2	2.5	2.76	2.55		3	2.64	2.928		
		CO3	2.3	2.45	2.33		2.6	2.87	2.654		
		CO4	2.3	2.45	2.33		2.4	2.89	2.498		
		CO5	2.4	2.76	2.47		2.6	2.88	2.656		
	Maintenance Engineering	CO1	2.7	2.56	2.67	2.77	2.7	2.87	2.734	2.73	91.53
		CO2	3	2.67	2.93		3	2.78	2.956		
		CO3	2.7	2.88	2.74		2.4	2.75	2.47		
		CO4	2.7	2.87	2.73		2.7	2.87	2.734		
		CO5	2.7	2.98	2.76		2.7	2.87	2.734		
	Simulation & Analysis Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Mechatronics Lab	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Comprehension	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
VIII	Engineering Economics	CO1	3	2.67	2.93	2.76	2.6	2.65	2.61	2.55	88.63
		CO2	3	2.78	2.96		2.7	2.56	2.672		
		CO3	2.4	2.98	2.52		2.7	2.98	2.756		
		CO4	2.4	2.8	2.48		2.3	2.78	2.396		
		CO5	3	2.65	2.93		2.2	2.9	2.34		
	Production Planning & Control	CO1	2.7	2.56	2.67	2.52	2.4	2.98	2.516	2.53	84.14
		CO2	2.3	2.98	2.44		2.6	2.45	2.57		
		CO3	2.3	2.78	2.40		2.4	2.67	2.454		
		CO4	2.4	2.9	2.50		2.7	2.67	2.694		
		CO5	2.5	2.98	2.60		2.3	2.84	2.408		
	Advanced I.C. Engines	CO1	2.4	2.45	2.41	2.53	2.3	2.98	2.436	2.52	84.14
		CO2	2.6	2.67	2.61		2.4	2.79	2.478		
		CO3	2.4	2.67	2.45		2.5	2.84	2.568		
		CO4	2.7	2.84	2.73		2.6	2.92	2.664		
		CO5	2.3	2.98	2.44		2.4	2.67	2.454		
	Project Work	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

HOD/MECH

ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF MECH
COURSE ATTAINMENT 2014-2018

SEM	COURSE NAME		A SECTION				B SECTION				OVERALL CO ATTAINMENT(%)
			DIRECT	INDIRECT	TOTAL	AVERAG	DIRECT	INDIRECT	TOTAL	AVERAG	
I	Technical English-I	CO1	2.5	2.59	2.52	2.59	2.5	2.4	2.48	2.50	84.91
		CO2	2.6	2.73	2.63		2.7	2.9	2.74		
		CO3	2.6	2.88	2.66		2.4	2.6	2.44		
		CO4	2.3	2.92	2.42		2.3	2.7	2.38		
		CO5	2.7	2.84	2.73		2.4	2.8	2.48		
	Mathematics-I	CO1	2.6	2.82	2.64	2.49	2.7	2.7	2.70	2.65	85.72
		CO2	2.4	2.87	2.49		2.6	2.6	2.60		
		CO3	2.3	2.79	2.40		2.6	2.9	2.66		
		CO4	2.4	2.94	2.51		2.7	3	2.76		
		CO5	2.3	2.86	2.41		2.5	2.7	2.54		
	Engineering Physics-I	CO1	2	2.8	2.16	2.37	2.1	2.4	2.16	2.30	77.84
		CO2	2.5	2.58	2.52		2.4	2.9	2.50		
		CO3	2.2	2.74	2.31		2.4	2.6	2.44		
		CO4	2.3	2.77	2.39		2.1	2.7	2.22		
		CO5	2.4	2.87	2.49		2	2.8	2.16		
	Engineering Chemistry-I	CO1	2.3	2.59	2.36	2.29	2.5	2.7	2.54	2.42	78.37
		CO2	2.2	2.73	2.31		2.3	2.6	2.36		
		CO3	2.3	2.88	2.42		2.4	2.7	2.46		
		CO4	2	2.92	2.18		2.4	2.4	2.40		
		CO5	2	2.84	2.17		2.3	2.4	2.32		
	Computer Programming	CO1	2.4	2.82	2.48	2.46	2.4	2.8	2.48	2.40	80.97
		CO2	2.3	2.87	2.41		2.3	2.7	2.38		
		CO3	2.5	2.79	2.56		2.2	2.9	2.34		
		CO4	2.3	2.79	2.40		2.3	2.7	2.38		
		CO5	2.4	2.69	2.46		2.3	2.8	2.40		
	Engineering Graphics	CO1	2.4	2.95	2.51	2.39	2.2	2.8	2.32	2.43	80.28
		CO2	2.1	2.98	2.28		2.5	2.5	2.50		
		CO3	2.3	2.56	2.35		2.4	2.7	2.46		
		CO4	2.4	2.75	2.47		2.3	2.8	2.40		
		CO5	2.3	2.48	2.34		2.4	2.7	2.46		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Technical English II	CO1	2.5	2.82	2.56	2.49	2.4	2.9	2.50	2.52	83.51
		CO2	2.4	2.87	2.49		2.6	2.8	2.64		
		CO3	2.3	2.79	2.40		2.3	2.7	2.38		
		CO4	2.4	2.79	2.48		2.4	2.8	2.48		
		CO5	2.5	2.69	2.54		2.5	2.9	2.58		
	Mathematics II	CO1	2.4	2.95	2.51	2.40	2.3	2.8	2.40	2.38	79.81
		CO2	2.5	2.98	2.60		2.5	2.9	2.58		
		CO3	2.2	2.56	2.27		1.8	2.6	1.96		
		CO4	2.3	2.75	2.39		2.5	2.7	2.54		
		CO5	2.2	2.48	2.26		2.4	2.6	2.44		
	Engineering Physics II	CO1	2	2.9	2.18	2.43	2.5	2.4	2.48	2.48	81.72
		CO2	2.5	2.85	2.57		2.4	2.9	2.50		
		CO3	2.1	2.79	2.24		2.3	2.5	2.34		
		CO4	2.7	2.84	2.73		2.4	2.98	2.52		
		CO5	2.3	2.92	2.42		2.5	2.7	2.54		

II	Engineering Chemistry II	CO1	2.4	2.94	2.51	2.39	2.6	2.8	2.64	2.46	80.77
		CO2	2.3	2.73	2.39		2.3	2.7	2.38		
		CO3	2.1	2.78	2.24		2.1	2.5	2.18		
		CO4	2.1	2.95	2.27		2.7	2.5	2.66		
		CO5	2.5	2.76	2.55		2.3	2.9	2.42		
	Basic Electrical & Electronics Engineering	CO1	2.4	2.88	2.50	2.52	2.4	2.8	2.48	2.50	83.70
		CO2	2.3	2.65	2.37		2.3	2.7	2.38		
		CO3	2.4	2.87	2.49		2.4	2.8	2.48		
		CO4	2.5	2.85	2.57		2.4	2.9	2.50		
		CO5	2.6	2.9	2.66		2.6	3	2.68		
	Engineering Mechanics	CO1	2.4	2.89	2.50	2.38	2.4	2.8	2.48	2.26	77.45
		CO2	2.3	2.74	2.39		2.2	2.7	2.30		
		CO3	2.3	2.74	2.39		2.1	2.7	2.22		
		CO4	2.2	2.79	2.32		2.1	2.6	2.20		
		CO5	2.2	2.82	2.32		2	2.6	2.12		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
III	Transforms And Partial Differential Equation	CO1	1.9	2.54	2.03	2.45	2.1	2.3	2.14	2.42	81.27
		CO2	2.5	2.98	2.60		2.7	2.9	2.74		
		CO3	2.8	2.76	2.79		2.6	3.2	2.72		
		CO4	2.2	2.84	2.33		2.1	2.6	2.20		
		CO5	2.4	2.98	2.52		2.2	2.8	2.32		
	Strength of Materials	CO1	2	2.76	2.15	2.23	2.6	2.4	2.56	2.56	79.84
		CO2	2.5	2.76	2.55		2.2	2.9	2.34		
		CO3	1.9	2.77	2.07		2.3	2.3	2.30		
		CO4	1.8	2.87	2.01		2.8	2.2	2.68		
		CO5	2.2	3	2.36		3	2.6	2.92		
	Engineering Thermodynamics	CO1	2.4	2.96	2.51	2.36	2.7	2.8	2.72	2.18	75.63
		CO2	2.1	2.55	2.19		2.1	2.5	2.18		
		CO3	2	2.89	2.18		1.8	2.4	1.92		
		CO4	2.4	2.87	2.49		1.8	2.8	2.00		
		CO5	2.4	2.48	2.42		1.9	2.8	2.08		
	Fluid Mechanics and Machinery	CO1	2.5	2.97	2.59	2.50	2.7	2.9	2.74	2.52	83.53
		CO2	2.3	2.86	2.41		2.4	2.7	2.46		
		CO3	2.6	2.98	2.68		2.2	3	2.36		
		CO4	2.3	2.46	2.33		2.4	2.7	2.46		
		CO5	2.4	2.73	2.47		2.5	2.8	2.56		
	Manufacturing Technology I	CO1	2.3	2.78	2.40	2.42	2.5	2.7	2.54	2.53	82.41
		CO2	2.5	2.95	2.59		2.4	2.9	2.50		
		CO3	2.4	2.76	2.47		2.3	2.8	2.40		
		CO4	2.1	2.88	2.26		2.5	2.5	2.50		
		CO5	2.3	2.65	2.37		2.7	2.7	2.70		
	Electrical Drives and Control	CO1	2.6	2.98	2.68	2.36	2.7	3	2.76	2.54	81.70
		CO2	2.2	2.54	2.27		2.1	2.6	2.20		
		CO3	1.9	2.87	2.09		1.8	2.3	1.90		
		CO4	2.2	3	2.36		3	2.6	2.92		
		CO5	2.3	2.76	2.39		3	2.7	2.94		
	Manufacturing Technology Lab I	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Fluid Mechanics and Machinery Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Electrical Engineering Laboratory	CO1	3	3	3.00	2.62	3	3	3.00	2.88	91.62
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

IV	Statistics and Numerical Methods	CO1	2.1	2.98	2.28	2.24	3	2.5	2.90	2.75	83.23
		CO2	2	2.97	2.19		2.9	2.4	2.80		
		CO3	2	2.87	2.17		2.8	2.4	2.72		
		CO4	2.1	2.76	2.23		2.8	2.5	2.74		
		CO5	2.2	2.87	2.33		2.6	2.6	2.60		
	Kinematics of Machinery	CO 1	2.3	2.88	2.42	2.40	2.6	2.7	2.62	2.44	80.63
		CO 2	2.5	2.97	2.59		2.4	2.9	2.50		
		CO 3	2.2	2.76	2.31		2.1	2.6	2.20		
		CO 4	2.3	2.98	2.44		2.4	2.7	2.46		
		CO 5	2.1	2.76	2.23		2.4	2.5	2.42		
	Manufacturing Technology – II	CO1	2	2.84	2.17	2.47	2.7	2.4	2.64	2.57	84.01
		CO2	2.4	2.98	2.52		2.5	2.8	2.56		
		CO3	2.6	2.76	2.63		2.6	3	2.68		
		CO4	2.3	2.76	2.39		2.5	2.7	2.54		
		CO5	2.6	2.77	2.63		2.3	3	2.44		
	Engineering Materials and Metallurgy	CO1	3	2.87	2.97	2.48	2.5	3.4	2.68	2.54	83.69
		CO2	2.4	2.9	2.50		2.6	2.8	2.64		
		CO3	1.8	2.54	1.95		2.4	2.2	2.36		
		CO4	2.1	2.92	2.26		2.4	2.5	2.42		
		CO5	2.7	2.83	2.73		2.5	2.97	2.59		
	Environmental Science & Engineering	CO1	3	2.9	2.98	2.54	2.7	3	2.76	2.60	85.73
		CO2	2.1	2.85	2.25		2.5	2.5	2.50		
		CO3	1.8	2.79	2.00		2.4	2.2	2.36		
		CO4	2.4	2.84	2.49		2.6	2.8	2.64		
		CO5	3	2.92	2.98		2.7	3	2.76		
	Thermal Engineering	CO1	2.4	2.65	2.45	2.51	2.7	2.8	2.72	2.81	88.71
		CO2	2.3	2.98	2.44		2.7	2.7	2.70		
		CO3	2.4	2.87	2.49		2.8	2.8	2.80		
		CO4	2.6	2.78	2.64		2.8	3	2.84		
		CO5	2.5	2.78	2.56		3	2.9	2.98		
	Manufacturing Technology Lab – II	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Thermal Engineering Laboratory-I	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Strength of Materials Laboratory	CO1	3	3	3.00	2.68	3	3	3.00	2.71	89.77
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
V	Computer Aided Design	CO1	2	2.84	2.17	2.36	2.4	2.4	2.40	2.42	79.54
		CO2	2	2.98	2.20		2.2	2.4	2.24		
		CO3	2.4	2.76	2.47		2.5	2.8	2.56		
		CO4	2.2	2.76	2.31		2.3	2.6	2.36		
		CO5	2.6	2.77	2.63		2.4	3	2.52		
	Heat & Mass Transfer	CO1	1.8	2.87	2.01	2.20	2.4	2.74	2.47	2.67	81.21
		CO2	2.1	2.9	2.26		2.4	2.77	2.47		
		CO3	1.8	2.54	1.95		2.4	2.87	2.49		
		CO4	2.1	2.98	2.28		3	2.59	2.92		
		CO5	2.4	2.98	2.52		3	2.98	3.00		
	Design of Machine Elements	CO1	1.8	2.76	1.99	2.24	1.8	2.76	1.99	2.19	73.88
		CO2	2.1	2.84	2.25		2.1	2.76	2.23		
		CO3	2.1	2.98	2.28		1.8	2.77	1.99		
		CO4	2.4	2.76	2.47		2.4	2.87	2.49		
		CO5	2.1	2.76	2.23		2.1	2.76	2.23		
	Metrology and Measurement	CO1	2.3	2.77	2.39	2.61	2.8	2.7	2.78	2.72	88.83
		CO2	2.6	2.87	2.65		2.6	3	2.68		
		CO3	2.7	2.87	2.73		2.4	3	2.52		
		CO4	2.6	2.76	2.63		2.8	3	2.84		
		CO5	2.6	2.87	2.65		2.7	3	2.76		
	Dynamics of Machines	CO1	2.7	2.88	2.74	2.58	2.4	3	2.52	2.63	86.76
		CO2	2.6	2.97	2.67		2.6	3	2.68		
		CO3	2.5	2.76	2.55		2.7	2.9	2.74		
		CO4	2.6	2.98	2.68		2.4	3	2.52		
		CO5	2.2	2.45	2.25		2.7	2.6	2.68		
	Professional Ethics in Engineering	CO1	2.7	2.78	2.72	2.50	1.9	3	2.12	2.21	78.49
		CO2	2.3	2.65	2.37		2.1	2.7	2.22		
		CO3	2.4	2.64	2.45		1.9	2.8	2.08		
		CO4	2.5	2.87	2.57		2.3	2.9	2.42		
		CO5	2.3	2.69	2.38		2.1	2.7	2.22		
	Dynamics Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

	Thermal Engineering Laboratory II	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Metrology & Measurements Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
VI	Design of Transmission Systems	CO1	2.6	2.9	2.66	2.40	2.7	3	2.76	2.38	79.70
		CO2	2.2	2.87	2.33		2.4	2.6	2.44		
		CO3	1.8	2.76	1.99		2.2	2.2	2.20		
		CO4	2.6	2.87	2.65		2.1	3	2.28		
		CO5	2.3	2.65	2.37		2.1	2.7	2.22		
	Principles of Management	CO1	2.3	2.54	2.35	2.50	2.7	2.7	2.70	2.52	83.61
		CO2	2.7	2.76	2.71		2.1	2.9	2.26		
		CO3	2.2	2.65	2.29		1.8	2.6	1.96		
		CO4	2.3	2.9	2.42		3	2.7	2.94		
		CO5	2.7	2.76	2.71		2.7	2.9	2.74		
	Automobile Engineering	CO1	2.3	2.98	2.44	2.37	2.7	2.7	2.70	2.51	81.37
		CO2	2.4	2.59	2.44		2.1	2.8	2.24		
		CO3	2.2	2.26	2.21		1.8	2.6	1.96		
		CO4	2.2	2.58	2.28		3	2.6	2.92		
		CO5	2.4	2.94	2.51		2.7	2.8	2.72		
	Finite Element Analysis	CO1	2.3	2.65	2.37	2.45	2.7	2.7	2.70	2.76	86.95
		CO2	2.3	2.57	2.35		2.4	2.7	2.46		
		CO3	2.1	2.87	2.25		3	2.5	2.90		
		CO4	2.6	2.87	2.65		3	3	3.00		
		CO5	2.6	2.76	2.63		2.7	3	2.76		
	Gas Dynamics and Jet Propulsion	CO1	2.6	2.87	2.65	2.39	2.7	3	2.76	2.51	81.78
		CO2	2.3	2.65	2.37		2.4	2.7	2.46		
		CO3	2.4	2.54	2.43		2.3	2.8	2.40		
		CO4	2.2	2.76	2.31		2.2	2.6	2.28		
		CO5	2.1	2.65	2.21		2.7	2.5	2.66		
	Unconventional Machining Processes	CO1	2.6	2.9	2.66	2.57	2.7	3	2.76	2.55	85.31
		CO2	2.7	2.56	2.67		2.1	2.9	2.26		
		CO3	2.6	2.68	2.62		1.8	3	2.04		
		CO4	2.4	2.46	2.41		3	2.8	2.96		
		CO5	2.4	2.86	2.49		2.7	2.8	2.72		
	CAD / CAM Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Design & Fabrication Project	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Communication Skills - Laboratory based	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Power Plant Engineering	CO1	2.7	2.96	2.75	2.78	2.7	2.96	2.75	2.84	93.57
		CO2	2.7	2.87	2.73		3	2.88	2.98		
		CO3	2.7	2.98	2.76		2.7	2.78	2.72		
		CO4	3	2.78	2.96		3	2.9	2.98		
		CO5	2.7	2.66	2.69		2.7	2.98	2.76		
	Mechatronics	CO1	2.1	2.77	2.23	2.52	2.4	2.87	2.49	2.63	85.93
		CO2	2.7	2.87	2.73		2.7	2.84	2.73		
		CO3	2.4	2.9	2.50		2.4	2.97	2.51		
		CO4	2.4	2.54	2.43		2.7	2.78	2.72		
		CO5	2.7	2.76	2.71		2.7	2.79	2.72		
	Computer Integrated Manufacturing Systems	CO1	2.7	2.77	2.71	2.72	2.4	2.87	2.49	2.49	86.82
		CO2	3	2.87	2.97		2.4	2.88	2.50		
		CO3	3	2.76	2.95		2.4	2.76	2.47		
		CO4	2.4	2.98	2.52		2.4	2.93	2.51		
		CO5	2.4	2.59	2.44		2.4	2.82	2.48		
	Total Quality Management	CO1	2.3	2.26	2.29	2.43	2.5	2.8	2.56	2.23	77.51
		CO2	2.4	2.78	2.48		2.4	2.87	2.49		
		CO3	2.6	2.76	2.63		1.8	2.98	2.04		
		CO4	2.2	2.67	2.29		1.8	2.8	2.00		
		CO5	2.4	2.56	2.43		1.8	2.99	2.04		

VII	Process Planning & Cost Estimation	CO1	3	2.64	2.93	2.54	2.7	2.78	2.72	2.68	87.07
		CO2	2.5	2.79	2.56		3	2.9	2.98		
		CO3	2.3	2.87	2.41		2.6	2.7	2.62		
		CO4	2.3	2.67	2.37		2.4	2.7	2.46		
		CO5	2.4	2.56	2.43		2.6	2.8	2.64		
	Maintenance Engineering	CO1	2.3	2.69	2.38	2.46	3	2.7	2.94	2.48	82.29
		CO2	2.4	2.78	2.48		2.4	2.8	2.48		
		CO3	2.6	2.89	2.66		2.1	3	2.28		
		CO4	2.2	2.87	2.33		2.4	2.6	2.44		
		CO5	2.4	2.7	2.46		2.1	2.8	2.24		
	Simulation & Analysis Laboratory	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Mechatronics Lab	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
	Comprehension	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		
VIII	Engineering Economics	CO1	2.7	2.98	2.76	2.78	2.4	2.87	2.49	2.58	89.36
		CO2	2.7	2.88	2.74		2.4	2.67	2.45		
		CO3	3	2.87	2.97		2.7	2.98	2.76		
		CO4	2.7	2.65	2.69		2.7	2.787	2.72		
		CO5	2.7	2.89	2.74		2.4	2.86	2.49		
	Production Planning & Control	CO1	2.4	2.92	2.50	2.18	2.7	2.93	2.75	2.59	79.43
		CO2	1.2	2.78	1.52		2.34	2.9	2.45		
		CO3	1.2	2.55	1.47		2.4	2.56	2.43		
		CO4	3	2.67	2.93		3	2.56	2.91		
		CO5	2.4	2.78	2.48		2.4	2.34	2.39		
	Advanced I.C. Engines	CO1	2.7	2.56	2.67	2.78	1.2	2.76	1.51	2.63	90.13
		CO2	3	2.78	2.96		3	2.9	2.98		
		CO3	2.7	2.45	2.65		3	2.78	2.96		
		CO4	3	2.56	2.91		3	2.87	2.97		
		CO5	2.7	2.67	2.69		2.7	2.87	2.73		
	Project Work	CO1	3	3	3.00	3.00	3	3	3.00	3.00	100.00
		CO2	3	3	3.00		3	3	3.00		
		CO3	3	3	3.00		3	3	3.00		
		CO4	3	3	3.00		3	3	3.00		
		CO5	3	3	3.00		3	3	3.00		

HOD/MECH

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF MECH
COURSE ATTAINMENT 2013-2017

SEM	COURSE NAME		A SECTION				B SECTION				OVERALL CO ATTAINMENT(%)
			DIRECT	INDIRECT	TOTAL	AVERAG	DIRECT	INDIRECT	TOTAL	AVERAG	
I	Technical English-I	CO1	2.5	2.91	2.58	2.46	2.6	2.75	2.63	2.42	81.34
		CO2	2.3	2.72	2.38		2.2	2.63	2.286		
		CO3	2.5	2.9	2.58		2.4	2.93	2.506		
		CO4	2.2	2.6	2.28		2.3	2.78	2.396		
		CO5	2.4	2.8	2.48		2.2	2.59	2.278		
	Mathematics-I	CO1	2.5	2.9	2.58	2.58	3	2.9	2.98	2.72	88.33
		CO2	2.5	2.9	2.58		2.6	2.89	2.658		
		CO3	2.5	2.9	2.58		2.7	2.91	2.742		
		CO4	2.7	3	2.76		2.7	2.94	2.748		
		CO5	2.3	2.7	2.38		2.4	2.86	2.492		
	Engineering Physics-I	CO1	2	2.4	2.08	2.36	2	2.8	2.16	2.25	76.77
		CO2	2.5	2.9	2.58		2.3	2.58	2.356		
		CO3	2.2	2.6	2.28		2	2.74	2.148		
		CO4	2.3	2.7	2.38		2	2.77	2.154		
		CO5	2.4	2.8	2.48		2.3	2.87	2.414		
	Engineering Chemistry-I	CO1	2.3	2.7	2.38	2.24	2.5	2.59	2.518	2.46	78.37
		CO2	2.2	2.6	2.28		2.3	2.73	2.386		
		CO3	2.3	2.7	2.38		2.4	2.88	2.496		
		CO4	2	2.4	2.08		2.4	2.92	2.504		
		CO5	2	2.4	2.08		2.3	2.84	2.408		
	Computer Programming	CO1	2.4	2.8	2.48	2.46	2.4	2.82	2.484	13.76	270.39
		CO2	2.3	2.7	2.38		2.3	287	59.24		
		CO3	2.5	2.9	2.58		2.2	2.79	2.318		
		CO4	2.3	2.7	2.38		2.3	2.79	2.398		
		CO5	2.4	2.8	2.48		2.3	2.69	2.378		
	Engineering Graphics	CO1	2.4	2.8	2.48	2.38	2.2	2.95	2.35	2.44	80.28
		CO2	2.1	2.5	2.18		2.5	2.98	2.596		
		CO3	2.3	2.7	2.38		2.4	2.56	2.432		
		CO4	2.4	2.8	2.48		2.3	2.75	2.39		
		CO5	2.3	2.7	2.38		2.4	2.48	2.416		
	Computer Practice Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Engineering Practices Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Physics & Chemistry Laboratory I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Technical English II	CO1	2.5	2.9	2.58	2.50	2.4	2.76	2.472	2.52	83.59
		CO2	2.4	2.8	2.48		2.6	2.79	2.638		
		CO3	2.3	2.7	2.38		2.3	2.87	2.414		
		CO4	2.4	2.8	2.48		2.4	2.88	2.496		
		CO5	2.5	2.9	2.58		2.5	2.78	2.556		
	Mathematics II	CO1	2.4	2.8	2.48	2.40	2.3	2.88	2.416	2.40	80.05
		CO2	2.5	2.9	2.58		2.5	2.9	2.58		
		CO3	2.2	2.6	2.28		1.8	2.54	1.948		
		CO4	2.3	2.7	2.38		2.5	2.92	2.584		
		CO5	2.2	2.6	2.28		2.4	2.83	2.486		
	Engineering Physics II	CO1	2	2.4	2.08	2.40	2.5	2.9	2.58	2.51	81.72
		CO2	2.5	2.9	2.58		2.4	2.85	2.49		
		CO3	2.1	2.5	2.18		2.3	2.79	2.398		
		CO4	2.7	2.98	2.76		2.4	2.84	2.488		
		CO5	2.3	2.7	2.38		2.5	2.92	2.584		

II	Engineering Chemistry II	CO1	2.4	2.8	2.48	2.36	2.6	2.94	2.668	2.49	80.77
		CO2	2.3	2.7	2.38		2.3	2.73	2.386		
		CO3	2.1	2.5	2.18		2.1	2.78	2.236		
		CO4	2.1	2.5	2.18		2.7	2.95	2.75		
		CO5	2.5	2.9	2.58		2.3	2.76	2.392		
	Basic Electrical & Electronics Engineering	CO1	2.4	2.8	2.48	2.52	2.4	2.88	2.496	2.50	83.70
		CO2	2.3	2.7	2.38		2.3	2.65	2.37		
		CO3	2.4	2.8	2.48		2.4	2.87	2.494		
		CO4	2.5	2.9	2.58		2.4	2.85	2.49		
		CO5	2.6	3	2.68		2.6	2.9	2.66		
	Engineering Mechanics	CO1	2.4	2.8	2.48	2.36	2.4	2.89	2.498	2.29	77.45
		CO2	2.3	2.7	2.38		2.2	2.74	2.308		
		CO3	2.3	2.7	2.38		2.1	2.74	2.228		
		CO4	2.2	2.6	2.28		2.1	2.79	2.238		
		CO5	2.2	2.6	2.28		2	2.82	2.164		
	Computer Aided Drafting and Modeling Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Physics & Chemistry Laboratory II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
III	Transforms And Partial Differential Equation	CO1	1.9	2.3	1.98	2.44	2.1	2.54	2.188	2.44	81.27
		CO2	2.5	2.9	2.58		2.7	2.98	2.756		
		CO3	2.8	3.2	2.88		2.6	2.76	2.632		
		CO4	2.2	2.6	2.28		2.1	2.84	2.248		
		CO5	2.4	2.8	2.48		2.2	2.98	2.356		
	Strength of Materials	CO1	2	2.4	2.08	2.16	2.6	2.76	2.632	2.63	79.84
		CO2	2.5	2.9	2.58		2.2	2.76	2.312		
		CO3	1.9	2.3	1.98		2.3	2.77	2.394		
		CO4	1.8	2.2	1.88		2.8	2.87	2.814		
		CO5	2.2	2.6	2.28		3	3	3		
	Engineering Thermodynamics	CO1	2.4	2.8	2.48	2.34	2.7	2.96	2.752	2.20	75.63
		CO2	2.1	2.5	2.18		2.1	2.55	2.19		
		CO3	2	2.4	2.08		1.8	2.89	2.018		
		CO4	2.4	2.8	2.48		1.8	2.87	2.014		
		CO5	2.4	2.8	2.48		1.9	2.48	2.016		
	Fluid Mechanics and Machinery	CO1	2.5	2.9	2.58	2.50	2.7	2.97	2.754	2.52	83.63
		CO2	2.3	2.7	2.38		2.4	2.86	2.492		
		CO3	2.6	3	2.68		2.2	2.98	2.356		
		CO4	2.3	2.7	2.38		2.4	2.46	2.412		
		CO5	2.4	2.8	2.48		2.5	2.87	2.574		
	Manufacturing Technology I	CO1	2.3	2.7	2.38	2.40	2.5	2.75	2.55	2.54	82.33
		CO2	2.5	2.9	2.58		2.4	2.76	2.472		
		CO3	2.4	2.8	2.48		2.3	2.76	2.392		
		CO4	2.1	2.5	2.18		2.5	2.87	2.574		
		CO5	2.3	2.7	2.38		2.7	2.76	2.712		
	Electrical Drives and Control	CO1	2.6	3	2.68	2.32	2.7	2.98	2.756	2.58	81.70
		CO2	2.2	2.6	2.28		2.1	2.54	2.188		
		CO3	1.9	2.3	1.98		1.8	2.87	2.014		
		CO4	2.2	2.6	2.28		3	3	3		
		CO5	2.3	2.7	2.38		3	2.76	2.952		
	Manufacturing Technology Lab I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Fluid Mechanics and Machinery Laboratory Y	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Electrical Engineering Laboratory	CO1	3	3	3.00	2.58	3	3	3	2.92	91.62
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

	Statistics and Numerical Methods	CO1	2.1	2.5	2.18	2.16	3	2.98	2.996	2.83	83.23
		CO2	2	2.4	2.08		2.9	2.97	2.914		
		CO3	2	2.4	2.08		2.8	2.87	2.814		
		CO4	2.1	2.5	2.18		2.8	2.76	2.792		
		CO5	2.2	2.6	2.28		2.6	2.87	2.654		
	Kinematics of Machinery	CO 1	2.3	2.7	2.38	2.36	2.6	2.88	2.656	2.48	80.63
		CO 2	2.5	2.9	2.58		2.4	2.97	2.514		
		CO 3	2.2	2.6	2.28		2.1	2.76	2.232		
		CO 4	2.3	2.7	2.38		2.4	2.98	2.516		
		CO 5	2.1	2.5	2.18		2.4	2.76	2.472		
	Manufacturing Technology – II	CO1	2	2.4	2.08	2.46	2.7	2.84	2.728	2.58	84.01
		CO2	2.4	2.8	2.48		2.5	2.98	2.596		
		CO3	2.6	3	2.68		2.6	2.76	2.632		
		CO4	2.3	2.7	2.38		2.5	2.76	2.552		
		CO5	2.6	3	2.68		2.3	2.77	2.394		
	Engineering Materials and Metallurgy	CO1	3	3.4	3.08	2.47	2.5	2.87	2.574	2.55	83.69
		CO2	2.4	2.8	2.48		2.6	2.9	2.66		
		CO3	1.8	2.2	1.88		2.4	2.54	2.428		
		CO4	2.1	2.5	2.18		2.4	2.92	2.504		
		CO5	2.7	2.97	2.75		2.5	2.83	2.566		
IV	Environmental Science & Engineering	CO1	3	3	3.00	2.51	2.7	2.9	2.74	2.64	85.73
		CO2	2.1	2.5	2.18		2.5	2.85	2.57		
		CO3	1.8	2.2	1.88		2.4	2.79	2.478		
		CO4	2.4	2.8	2.48		2.6	2.84	2.648		
		CO5	3	3	3.00		2.7	2.92	2.744		
	Thermal Engineering	CO1	2.4	2.8	2.48	2.52	2.7	2.65	2.69	2.80	88.71
		CO2	2.3	2.7	2.38		2.7	2.98	2.756		
		CO3	2.4	2.8	2.48		2.8	2.87	2.814		
		CO4	2.6	3	2.68		2.8	2.78	2.796		
		CO5	2.5	2.9	2.58		3	2.78	2.956		
	Manufacturing Technology Lab – II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Thermal Engineering Laboratory-I	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Strength of Materials Laboratory	CO1	3	3	3.00	2.66	3	3	3	2.73	89.77
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Computer Aided Design	CO1	2	2.4	2.08	2.32	2.4	2.84	2.488	2.45	79.54
		CO2	2	2.4	2.08		2.2	2.98	2.356		
		CO3	2.4	2.8	2.48		2.5	2.76	2.552		
		CO4	2.2	2.6	2.28		2.3	2.76	2.392		
		CO5	2.6	3	2.68		2.4	2.77	2.474		
	Heat & Mass Transfer	CO1	2	2.4	2.08	2.40	2	2.87	2.174	2.56	82.70
		CO2	2.4	2.8	2.48		2.3	2.9	2.42		
		CO3	2.4	2.8	2.48		2.8	2.54	2.748		
		CO4	2.4	2.8	2.48		2.6	2.98	2.676		
		CO5	2.4	2.8	2.48		2.8	2.76	2.792		
	Design of Machine Elements	CO1	2.2	2.6	2.28	2.60	2.7	2.76	2.712	2.73	88.81
		CO2	2.6	3	2.68		2.8	2.77	2.794		
		CO3	2.5	2.9	2.58		2.6	2.87	2.654		
		CO4	2.7	3	2.76		2.7	2.76	2.712		
		CO5	2.6	3	2.68		2.8	2.76	2.792		
	Metrology and Measurement	CO1	2.3	2.7	2.38	2.64	2.8	2.77	2.794	2.69	88.83
		CO2	2.6	3	2.68		2.6	2.87	2.654		
		CO3	2.7	3	2.76		2.4	2.87	2.494		
		CO4	2.6	3	2.68		2.8	2.76	2.792		
		CO5	2.6	3	2.68		2.7	2.87	2.734		
V	Dynamics of Machines	CO1	2.7	3	2.76	2.60	2.4	2.88	2.496	2.61	86.76
		CO2	2.6	3	2.68		2.6	2.97	2.674		
		CO3	2.5	2.9	2.58		2.7	2.76	2.712		
		CO4	2.6	3	2.68		2.4	2.98	2.516		
		CO5	2.2	2.6	2.28		2.7	2.45	2.65		
	Professional Ethics in Engineering	CO1	2.7	3	2.76	2.52	1.9	2.78	2.076	2.19	78.49
		CO2	2.3	2.7	2.38		2.1	2.65	2.21		
		CO3	2.4	2.8	2.48		1.9	2.64	2.048		
		CO4	2.5	2.9	2.58		2.3	2.87	2.414		
		CO5	2.3	2.7	2.38		2.1	2.69	2.218		

Dynamics Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Thermal Engineering Laboratory II	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Metrology & Measurements Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Design of Transmission Systems	CO1	2.6	3	2.68	2.38	2.7	2.9	2.74	2.40	79.70
	CO2	2.2	2.6	2.28		2.4	2.87	2.494		
	CO3	1.8	2.2	1.88		2.2	2.76	2.312		
	CO4	2.6	3	2.68		2.1	2.87	2.254		
	CO5	2.3	2.7	2.38		2.1	2.65	2.21		
Principles of Management	CO1	2.3	2.7	2.38	2.50	2.7	2.54	2.668	2.51	83.61
	CO2	2.7	2.9	2.74		2.1	2.76	2.232		
	CO3	2.2	2.6	2.28		1.8	2.65	1.97		
	CO4	2.3	2.7	2.38		3	2.9	2.98		
	CO5	2.7	2.9	2.74		2.7	2.76	2.712		
Automobile Engineering	CO1	2.3	2.7	2.38	2.38	2.7	2.98	2.756	2.50	81.37
	CO2	2.4	2.8	2.48		2.1	2.59	2.198		
	CO3	2.2	2.6	2.28		1.8	2.26	1.892		
	CO4	2.2	2.6	2.28		3	2.58	2.916		
	CO5	2.4	2.8	2.48		2.7	2.94	2.748		
Finite Element Analysis	CO1	2.3	2.7	2.38	2.46	2.7	2.65	2.69	2.76	86.95
	CO2	2.3	2.7	2.38		2.4	2.57	2.434		
	CO3	2.1	2.5	2.18		3	2.87	2.974		
	CO4	2.6	3	2.68		3	2.87	2.974		
	CO5	2.6	3	2.68		2.7	2.76	2.712		
Gas Dynamics and Jet Propulsion	CO1	2.6	3	2.68	2.40	2.7	2.87	2.734	2.51	81.78
	CO2	2.3	2.7	2.38		2.4	2.65	2.45		
	CO3	2.4	2.8	2.48		2.3	2.54	2.348		
	CO4	2.2	2.6	2.28		2.2	2.76	2.312		
	CO5	2.1	2.5	2.18		2.7	2.65	2.69		
Unconventional Machining Processes	CO1	2.6	3	2.68	2.61	2.7	2.9	2.74	2.51	85.31
	CO2	2.7	2.9	2.74		2.1	2.56	2.192		
	CO3	2.6	3	2.68		1.8	2.68	1.976		
	CO4	2.4	2.8	2.48		3	2.46	2.892		
	CO5	2.4	2.8	2.48		2.7	2.86	2.732		
CAD / CAM Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Design & Fabrication Project	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		
Communication Skills - Laboratory based	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
	CO2	3	3	3.00		3	3	3		
	CO3	3	3	3.00		3	3	3		
	CO4	3	3	3.00		3	3	3		
	CO5	3	3	3.00		3	3	3		

VI

VII	Power Plant Engineering	CO1	2.7	2.9	2.74	2.81	2.7	2.87	2.734	2.79	93.38
		CO2	2.7	2.9	2.74		3	2.65	2.93		
		CO3	2.7	2.9	2.74		2.7	2.54	2.668		
		CO4	3	3.4	3.08		3	2.76	2.952		
		CO5	2.7	2.9	2.74		2.7	2.65	2.69		
	Mechatronics	CO1	2.1	2.5	2.18	2.53	2.4	2.77	2.474	2.62	85.79
		CO2	2.7	2.98	2.76		2.7	2.87	2.734		
		CO3	2.4	2.8	2.48		2.4	2.9	2.5		
		CO4	2.4	2.8	2.48		2.7	2.54	2.668		
		CO5	2.7	2.97	2.75		2.7	2.76	2.712		
	Computer Integrated Manufacturing Systems	CO1	2.7	2.98	2.76	2.78	2.7	2.77	2.714	2.72	91.57
		CO2	3	3.4	3.08		2.7	2.87	2.734		
		CO3	3	3.4	3.08		2.7	2.76	2.712		
		CO4	2.4	2.8	2.48		2.4	2.98	2.516		
		CO5	2.4	2.8	2.48		3	2.59	2.918		
	Total Quality Management	CO1	2.4	2.8	2.48	2.74	2.5	2.26	2.452	2.17	81.78
		CO2	2.7	2.87	2.73		2.4	2.78	2.476		
		CO3	3	2.98	3.00		1.8	2.76	1.992		
		CO4	2.4	2.8	2.48		1.8	2.67	1.974		
		CO5	3	2.99	3.00		1.8	2.56	1.952		
	Process Planning & Cost Estimation	CO1	3	2.78	2.96	2.56	2.7	2.64	2.688	2.67	87.07
		CO2	2.5	2.9	2.58		3	2.79	2.958		
		CO3	2.3	2.7	2.38		2.6	2.87	2.654		
		CO4	2.3	2.7	2.38		2.4	2.67	2.454		
		CO5	2.4	2.8	2.48		2.6	2.56	2.592		
	Maintenance Engineering	CO1	2.3	2.7	2.38	2.46	3	2.69	2.938	2.48	82.29
		CO2	2.4	2.8	2.48		2.4	2.78	2.476		
		CO3	2.6	3	2.68		2.1	2.89	2.258		
		CO4	2.2	2.6	2.28		2.4	2.87	2.494		
		CO5	2.4	2.8	2.48		2.1	2.7	2.22		
	Simulation & Analysis Laboratory	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Mechatronics Lab	CO1	3	3	3.00		3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
	Comprehension	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		
VIII	Engineering Economics	CO1	3	3	3.00	2.85	3	2.98	2.996	2.92	96.09
		CO2	3	3	3.00		3	3.4	3.08		
		CO3	3	3	3.00		3	3.4	3.08		
		CO4	2.7	2.95	2.75		3	2.8	2.96		
		CO5	2.4	2.8	2.48		2.4	2.8	2.48		
	Production Planning & Control	CO1	2.7	2.94	2.75	2.81	3	2.8	2.96	2.93	95.54
		CO2	3	3.4	3.08		3	2.87	2.974		
		CO3	2.4	2.8	2.48		3	2.98	2.996		
		CO4	3	2.9	2.98		3	2.8	2.96		
		CO5	2.7	2.94	2.75		2.7	2.88	2.736		
	Advanced I.C. Engines	CO1	2.7	2.94	2.75	2.84	2.7	2.89	2.738	2.88	95.40
		CO2	3	3	3.00		3	2.78	2.956		
		CO3	2.7	2.93	2.75		3	2.92	2.984		
		CO4	3	2.87	2.97		3	2.94	2.988		
		CO5	2.7	2.93	2.75		2.7	2.9	2.74		
	Project Work	CO1	3	3	3.00	3.00	3	3	3	3.00	100.00
		CO2	3	3	3.00		3	3	3		
		CO3	3	3	3.00		3	3	3		
		CO4	3	3	3.00		3	3	3		
		CO5	3	3	3.00		3	3	3		

HOD/MECH