

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

	Course			PO1	
1	C101	HS8151	Communicative English	2	
2	C102	MA8151	Engineering Mathematics - I	2.33	
3	C103	PH8151	Engineering Physics	3	
4	C104	CY8151	Engineering Chemistry	2.83	
5	C105	GE8151	Problem Solving and Python Programming	3	
6	C106	GE8152	Engineering Graphics	2.67	
7	C107	GE8161	Problem Solving and Python Programming Laboratory	3	
8	C108	BS8161	Physics and Chemistry Laboratory	3	
9	C109	HS8251	Technical English	2.67	
10	C110	MA8251	Engineering Mathematics - II	2.33	
11	C111	PH8252	Physics for Information Science	3	
12	C112	BE8255	Basic Electrical, Electronics and Measurement Engineering	2.5	
13	C113	IT8201	Information Technology Essentials	2.83	
14	C114	CS8251	Programming in C	3	
15	C115	GE8261	Engineering Practices Laboratory	3	
16	C116	CS8261	C Programming Laboratory	3	
17	C117	IT8211	Information Technology Essentials Laboratory	3	
18	C201	MA8351	Discrete Mathematics	2.33	2.
19	C202	CS8351	Digital Principles and System Design	2.47	2.
20	C203	CS8391	Data Structures	2.20	3.
21	C204	CS8392	Object Oriented Programming	2.17	2.
22	C205	EC8394	Analog and Digital Communication	2.53	2.
23	C206	CS8381	Data Structures Laboratory	2.83	1.
24	C207	CS8383	Object Oriented Programming Laboratory	2.42	2.
25	C208	CS8382	Digital Systems Laboratory	2.44	2.
26	C209	HS8381	Interpersonal Skills/Listening & Speaking	0.00	0.
27	C210	MA8391	Probability and Statistics	3.00	3.
28	C211	CS8491	Computer Architecture	3.00	3.
29	C212	CS8492	Database Management Systems	2.28	2.
30	C213	CS8451	Design and Analysis of Algorithms	2.00	2.
31	C214	CS8493	Operating Systems	3.00	3.
32	C215	GE8291	Environmental Science and Engineering	1.50	1.
33	C216	CS8481	Database Management Systems Laboratory	1.00	1.
34	C217	CS8461	Operating Systems Laboratory	3.00	3.
35	C218	HS8461	Advanced Reading and Writing	0.00	0.
36	C301	MA8551	Algebra and Number Theory	3.00	2.
37	C302	CS8591	Computer Networks	3.00	2.
38	C303	EC8691	Microprocessors and Microcontrollers	2.33	1.
39	C304	IT8501	Web Technology	2.17	2.
40	C305	CS8494	Software Engineering	2.25	2.
41	C306	OCE551	Air Pollution and Control Engineering	2.67	1.
42	C307	EC8681	Microprocessors and Microcontrollers Laboratory	2.50	1.
43	C308	CS8581	Networks Laboratory	3.00	2.
44	C309	IT8511	Web Technology Laboratory	2.40	2.
46	C311	IT8601	Computational Intelligence	3.00	3.

47	C312	CS8592	Object Oriented Analysis and Design	3.00	3
48	C313	IT8602	Mobile Communication	3.00	2
49	C314	CS8091	Big Data Analytics	2.00	1
50	C315	CS8092	Computer Graphics and Multimedia	1.33	
51		HS8581	Professional Communication		2
52	C316	IT8076	SOFTWARE TESTING	1.00	2
53	C323	CS8662	Mobile Application Development Laboratory	3.00	3
54	C324	CS8582	Object Oriented Analysis and Design Laboratory		1
55	C325	IT8611	Mini Project	3.00	2
56	C401	MG8591	Principles of Management	2.50	2

57	C402	CS8792	Cryptography and Network Security	2.67	1.50	1.50	1.00	0
58	C403	CS8791	Cloud Computing	3.00	1.00	2.00	0.00	3
59	C404	OCY751	Waste Water Treatment	2.83	2.00	1.00	1.00	0
60	C405	CS8079	Human Computer Interaction	2.67	2.33	2.17	2.40	3
61	C406	IT8074	Service Oriented Architecture	2.00	2.67	1.00	1.50	0
62	C407	IT8075	Software Project Management	2.83	2.60	2.50	2.20	2
63	C408	OCE751	Environment and Social Impact Assessment	2.33	1.75	2.50	2.50	2
64	C409	IT8711	FOSS and cloud computing laboratory	3.00	3.00	3.00	0.00	3
65	C410	IT8761	Security Laboratory	1.67	1.67	1.67	0.00	0
66	C413	CS8074	Cyber Forensics	1.75	2.25	2.50	1.00	0
67	C417	GE8076	Professional Ethics in Engineering	1.80	2.00	2.25	2.80	
68	C422	IT8078	Web Design and Management	2.50	2.60	2.67	3.00	2
69	C423	IT8005	Electronic Commerce	2.33	2.60	2.67	3.00	2
70	C425	IT8811	PROJECT WORK	3.00	2.00	2.00	1.00	

57	C402	CS8792	Cryptography and Network Security	2.67	1.50	1.50	1.00	0
58	C403	CS8791	Cloud Computing	3.00	1.00	2.00	0.00	3
59	C404	OCY751	Waste Water Treatment	2.83	2.00	1.00	1.00	0
60	C405	CS8079	Human Computer Interaction	2.67	2.33	2.17	2.40	3
61	C406	IT8074	Service Oriented Architecture	2.00	2.67	1.00	1.50	0
62	C407	IT8075	Software Project Management	2.83	2.60	2.50	2.20	2
63	C408	OCE751	Environment and Social Impact Assessment	2.33	1.75	2.50	2.50	2
64	C409	IT8711	FOSS and cloud computing laboratory	3.00	3.00	3.00	0.00	3
65	C410	IT8761	Security Laboratory	1.67	1.67	1.67	0.00	0
66	C413	CS8074	Cyber Forensics	1.75	2.25	2.50	1.00	0
67	C417	GE8076	Professional Ethics in Engineering	1.80	2.00	2.25	2.80	
68	C422	IT8078	Web Design and Management	2.50	2.60	2.67	3.00	2
69	C423	IT8005	Electronic Commerce	2.33	2.60	2.67	3.00	2
70	C425	IT8811	PROJECT WORK	3.00	2.00	2.00	1.00	

PO11	PO12	PSO1	PSO2	CO1	CO2	CO3	CO4	CO5	CO6	AVG.CO
2.17	1.67	1	1	2.82	2.79	2.79	2.79	2.78	2.79	2.79
1		1	1	2.64	2.65	2.78	2.78	2.81	2.81	2.75
1.2	2.17	2.5		2.81	2.78	2.82	2.80	2.84	2.81	2.81
2.25	2.6			2.79	2.82	2.80	2.80	2.82	2.81	2.81
	1	2.33	2.33	2.79	2.80	2.80	2.82	2.78	2.79	2.80
1.33	1.83	1		2.81	2.80	2.81	2.82	2.79	2.79	2.80
	1	2.33	2.33	2.79	2.83	2.82	2.83	2.79	2.79	2.81
2.17	3	2		2.79	2.77	2.79	2.83	2.79	2.81	2.80
1.83	1.67	1	1	2.80	2.81	2.82	2.81	2.83	2.79	2.81
0	0	0	0	2.79	2.79	2.80	2.79	2.78	2.79	2.79
0	2.67	2.5	0	2.79	2.78	2.80	2.79	2.81	2.81	2.80
2	2	1	1	2.79	2.80	2.80	2.78	2.80	2.78	2.79
2.8	2.83	3	2.17	2.80	2.76	2.80	2.79	2.81	2.81	2.80
3	3	3	3	2.79	2.77	2.79	2.77	2.80	2.78	2.78
1	2	2	1	2.80	2.81	2.81	2.81	2.80	2.84	2.81
3	3	3	3	2.80	2.77	2.80	2.83	2.79	2.81	2.80
3	3	3	3	2.80	2.77	2.80	2.83	2.79	2.81	2.80
0.00	1.00	2.33	2.33	0.88	0.88	0.90	0.88	0.84	0.86	0.87
1.63	1.43	3.00	2.00	2.42	2.39	2.42	2.44	2.40	2.42	2.41
1.33	1.50	1.67	2.00	0.91	0.89	0.88	0.87	0.88	0.91	0.89
1.00	1.00	2.00	1.00	2.11	2.09	2.11	2.13	2.10	2.12	2.11
0.00	1.82	2.50	2.22	1.51	1.52	1.54	1.49	1.52	1.51	1.51
0.00	1.75	2.00	1.00	2.19	2.32	2.49	2.47	2.26	2.27	2.33
0.00	1.42	2.25	1.76	2.79	2.81	2.78	2.81	2.82	2.80	2.80
0.66	1.49	2.24	1.66	2.81	2.78	2.79	2.80	2.80	2.80	2.80
1.17	1.50	1.50	2.00	2.77	2.79	2.81	2.83	2.82	2.78	2.80
0.00	0.00	1.00	1.00	1.52	1.51	1.53	1.51	1.51	1.53	1.52
0.00	1.00	2.00	3.00	1.51	1.54	1.52	1.52	1.52	0.86	1.41
0.00	1.19	1.83	1.74	2.79	2.81	2.78	2.83	2.79	2.81	2.80
0.00		2.67	3.00	2.80	2.80	2.81	2.81	2.81	2.80	2.80
0.00	2.17	3.00	3.00	0.87	0.89	0.87	0.85	0.85	0.88	0.87
1.00	1.66	2.66	3.00	2.79	2.82	2.78	2.81	2.80	2.76	2.79
	1.00	2.00	2.00	1.54	1.59	2.02	1.68	1.74	1.55	1.69
	2.00	3.00	3.00	2.81	2.78	2.81	2.79	2.80	2.82	2.80
	1.60	2.53	2.62	2.80	2.78	2.79	2.79	2.78	2.79	2.79
3.00	2.00	1.00	1.00	0.90	0.87	0.90	0.90	0.88	0.88	0.89
1.25	2.60	3.00	2.40	2.16	2.14	2.16	2.16	2.15	2.16	2.16
0.00	0.00	2.00	1.00	0.88	0.89	0.88	0.86	0.90	0.87	0.88
2.25	0.00	2.00	1.00	2.81	2.78	2.79	2.77	2.78	2.81	2.79

2.50	1.50	2.33	1.67	0.89	0.87	0.86	0.87	0.90	0.86	0.88
1.00	1.20	1.00	0.00	2.17	2.15	2.16	2.17	2.15	2.13	2.15
1.00	0.00			2.80	2.78	2.80	2.80	2.78	2.82	2.80
1.25	2.60	3.00	2.40	2.78	2.78	2.80	2.81	2.79	2.81	2.79
2.00	1.00	2.00	1.33	2.82	2.79	2.81	2.83	2.79	2.78	2.80
	1.00	3.00	3.00	2.80	2.78	2.80	2.80	2.82	2.82	2.80
	1.00	2.00	3.00	2.78	2.80	2.80	2.82	2.78	2.81	2.80
	2.50	3.00	3.00	2.80	2.82	2.82	2.81	2.80	2.77	2.80
	1.17	2.00	1.67	2.78	2.83	2.80	2.81	2.81	2.80	2.80
	1.25	1.00	1.00	2.79	2.83	2.80	2.81	2.82	2.82	2.81
1.50	2.00	1.00	1.00	2.82	2.82	2.79	2.80	2.80	2.79	2.80
0.00	0.00	1.00	1.00	2.81	2.78	2.80	2.83	2.81	2.81	2.80
	3.00	3.00	3.00	2.82	2.81	2.80	2.77	2.78	2.77	2.79
		2.00	2.00	2.78	2.80	2.80	2.82	2.78	2.81	2.80
		3.00	3.00	2.79	2.78	2.79	2.80	2.79	2.80	2.79
1.00	1.00	1.00	1.00	2.83	2.82	2.81	2.80	2.75	2.78	2.80

0.00	0.00	2.67	2.50	1.88	1.84	2.14	1.99	2.26	2.15	2.04
0.00	1.80	3.00	3.00	2.79	2.80	2.81	2.79	2.80	2.79	2.80
0.00	1.00	1.00	1.00	2.82	2.80	2.78	2.79	2.80	2.79	2.80
2.00	1.33	2.00	1.83	2.80	2.81	2.80	2.81	2.80	2.80	2.80
0.00	0.00	2.67	3.00	2.79	2.82	2.84	2.81	2.82	2.79	2.81
2.83	3.00	2.83	2.67	2.79	2.80	2.82	2.80	2.81	2.81	2.81
2.00	2.00	1.00	1.00	2.77	2.82	2.80	2.79	2.80	2.83	2.80
0.00	1.33	3.00	3.00	2.81	2.80	2.82	2.78	2.79	2.80	2.80
0.00	0.00	1.33	2.00	2.79	2.80	2.85	2.81	2.80	2.83	2.81
0.00	0.00	2.00	2.00	2.79	2.76	2.80	2.79	2.80	2.82	2.79
3.00	2.60	1.00	1.00	2.77	2.82	2.78	2.83	2.80	2.78	2.80
1.67	1.00	2.00	2.00	2.81	2.79	2.81	2.82	2.82	2.78	2.81
1.67	1.00	2.33	2.33	2.78	2.72	2.81	2.86	2.80	2.83	2.80
		3.00	3.00	2.80	2.80	2.82	2.80	2.79	2.81	2.80

R-2017 CO ATTAINMENT & PO AVERAGE

SL NO	SEM	Subject Code	COURSE CODE	COURSE TITLE	C01	C02	C03	C04	C05
1	I	HS8151	C101	Communicative English	2.82	2.81	2.81	2.81	2.8
2		MA8151	C102	Engineering Mathematics - I	2.79	2.79	2.82	2.79	2.8
3		PH8151	C103	Engineering Physics	2.83	2.77	2.8	2.77	2.8
4		CY8151	C104	Engineering Chemistry	2.81	2.82	2.81	2.82	2.79
5		GE8151	C105	Problem Solving and Python Programming	2.82	2.8	2.77	2.8	2.76
6		GE8152	C106	Engineering Graphics	2.77	2.78	2.79	2.79	2.8
7		GE8161	C107	Problem Solving and Python Programming Laboratory	2.8	2.81	2.81	2.81	2.81
8		BS8161	C108	Physics and Chemistry Laboratory	2.77	2.84	2.81	2.75	2.84
9	II	HS8251	C110	Technical English	2.83	2.78	2.75	2.79	2.79
10		MA8251	C111	Engineering Mathematics - II	2.82	2.8	2.8	2.78	2.8
11		PH8253	C112	Physics for Electronics Engineering	2.79	2.79	2.8	2.82	2.77
12		BE8254	C113	Basic Electrical and Instrumentation Engineering	2.77	2.78	2.79	2.79	2.77
13		EC8251	C114	Circuit Analysis	2.8	2.78	2.8	2.79	2.83
14		EC8252	C115	Electronic Devices	2.82	2.81	2.8	2.79	2.78
15		EC8261	C116	Circuits and Devices Laboratory	2.8	2.83	2.78	2.76	2.83
16		GE8261	C117	Engineering Practices Laboratory	2.81	2.8	2.77	2.81	2.82
17	III	MA8352	C201	Linear Algebra and Partial Differential Equations	3	3	3	3	3
18		EC8393	C202	Fundamentals of Data Structures in C	3	3	3	3	3
19		EC8351	C203	Electronic Circuits – I	3	3	3	3	3
20		EC8351	C204	Signals and Systems	3	3	3	3	3
21		EC8392	C205	Digital Electronics	2.2	2.2	2.2	2.2	2.2
22		EC8391	C206	Control Systems Engineering	2.2	2.2	2.2	2.2	2.2
23		EC8381	C207	Fundamentals of Data Structures in C Laboratory	3	3	3	3	3
24		EC8361	C208	Analog and Digital Circuits Laboratory	3	3	3	3	3
25		HS8381	C209	Interpersonal Skills/Listening & Speaking	3	3	3	3	3
26	IV	MA8451	C210	Probability and Random Processes	0.6	0.6	0.6	0.6	0.6
27		EC8452	C211	Electronic Circuits II	2.2	2.2	2.2	2.2	2.2
28		EC8491	C212	Communication Theory	3	3	3	3	3
29		EC8451	C213	Electromagnetic Fields	3	3	3	3	3
30		EC8453	C214	Linear Integrated Circuits	1.4	1.4	1.4	1.4	1.4
31		GE8291	C215	Environmental Science and Engineering	3	3	3	3	3
32		EC8461	C216	Circuits Design and Simulation Laboratory	3	3	3	3	3

33		EC8462	C217	Linear Integrated Circuits Laboratory	3	3	3	3	3
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34	V	EC8501	C301	Digital Communication	2.2	2.2	2.2	2.2	2.2
35		EC8553	C302	Discrete-Time Signal Processing	2.2	2.2	2.2	2.2	2.2
36		EC8552	C303	Computer Architecture and Organization	3	3	3	3	3
37		EC8551	C304	Communication Networks	0.6	0.6	0.6	0.6	0.6
38		OIT 552	C305	Professional Elective I (Cloud Computing)	3	3	3	3	3
39		EC8073	C306	Open Elective I (Medical Electronics)	3	3	3	3	3
40		EC8562	C307	Digital Signal Processing Laboratory	3	3	3	3	3
41		EC8561	C308	Communication Systems Laboratory	3	3	3	3	3
42		EC8563	C309	Communication Networks Laboratory	3	3	3	3	3
43	VI	EC869 1	C310	Microprocessors and Microcontrollers	3	3	3	3	3
44		EC809 5	C311	VLSI Design	3	3	3	3	3
45		EC865 2	C312	Wireless Communication	3	3	3	3	3
46		MG859 1	C313	Principles of Management	3	3	3	3	3
47		EC865 1	C314	Transmission Lines and RF Systems	3	3	3	3	3
48		EC807 5	C315	Professional Elective -II (Intellectual Property Rights)	3	3	3	3	3
		EC800 4	C316	Professional Elective -II (Wireless Networks)	3	3	3	3	3
49		EC868 1	C317	Microprocessors and Microcontrollers Laboratory	3	3	3	3	3
50		EC866 1	C318	VLSI Design Laboratory	3	3	3	3	3
51		EC861 1	C319	Technical Seminar	3	3	3	3	3
52	HS858 1	C320	Professional Communication	3	3	3	3	3	
53	VII	EC870 1	C401	Antennas and Microwave Engineering	3	3	3	3	3
54		EC875 1	C402	Optical Communication	3	3	3	3	3
55		EC879 1	C403	Embedded and Real Time Systems	3	3	3	3	3
56		EC870 2	C404	Ad hoc and Wireless Sensor Networks	3	3	3	3	3
57		CS808 2	C405	Professional Elective -III (MACHINE LEARNING TECHNIQUES)	3	3	3	3	3
58		OCE75 1	C406	Open Elective - II (Environmental and Social Impact Assessment)	3	3	3	3	3
		OME75 4	C407	Open Elective - II (Industrial Safety)	3	3	3	3	3
59	EC871 1	C408	Embedded Laboratory	3	3	3	3	3	

60		EC876 1	C409	Advanced Communication Laboratory	3	3	3	3	3
61	VIII	EC809 3	C410	Professional Elective IV (DIGITAL IMAGE PROCESSING)	3	3	3	3	3
		GE807 6	C411	Professional Elective IV (PROFESSIONAL ETHICS IN ENGINEERING)	3	3	3	3	3
62		EC809 4	C412	Professional Elective V (Satellite Communication)	3	3	3	3	3
GE807 3		C413	Professional Elective V(Fundamentals of Nano Science)	3	3	3	3	3	
63		GE807 3	C414	Project Work	3	3	3	3	3