

**Course Outcomes for all courses from 3rd Semester to 8th Semester 2018-19  
(Attainment Level)≥60)**

S. No.	Subject Code	Subject	CO1	CO2	CO3	CO4	CO5
1	3CS2-01	Advanced Engineering Mathematics	88.97	71.47	94.96	91.00	82.81
2	3CS1-02	Technical Communication	85.59	86.18	58.32	73.17	NA
3	3CS3-04	Digital Electronics	65.90	63.00	69.00	61.40	69.10
4	3CS4-05	Data Structures & Algorithms	79.86	67.05	52.34	48.32	47.61
5	3CS4-06	Object Oriented Programming	72.24	69.00	66.00	77.79	72.75
6	3CS4-07	Software Engineering	59.78	60.62	64.53	66.53	70.34
7	4CS2-01	Discrete Mathematics Structure	79.20	74.92	81.08	90.54	62.50
8	4CS1-03	Managerial Economics and Financial Accounting	72.90	68.85	69.71	72.54	50.64
9	4CS3-04	Microprocessor & Interfaces	68.69	65.51	65.64	76.24	63.86
10	4CS4-05	Database Management System	71.49	76.04	68.37	77.71	76.69
11	4CS4-06	Theory Of Computation	65.86	64.60	69.30	69.60	68.60
12	4CS4-07	Data Communication and Computer Networks	69.32	70.04	70.01	77.48	71.72
13	5CS1A	Computer Architecture	68.57	67.53	75.40	66.46	60.00
14	5CS2A	Digital Logic Design	46.00	60.01	64.56	61.03	54.89
15	5CS3A	Telecommunication Fundamentals	65.84	65.71	67.07	70.38	71.07
16	5CS4A	Database Management Systems	52.47	53.04	59.61	59.75	55.34
17	5CS5A	Operating System	61.21	72.13	74.56	74.83	78.45
18	5CS6.1A	Advanced Data structure	73.57	61.47	79.09	71.06	68.18
19	5CS6.3A	Information Theory and Coding	73.18	70.26	76.76	69.98	71.32
20	6CS1A	Computer Networks	68.90	75.89	69.04	66.42	74.60
21	6CS2A	Design and Analysis of Algorithms	67.40	67.00	76.40	76.40	79.40
22	6CS3A	Theory Of Computation	65.86	64.60	69.30	69.60	68.60
23	6CS4A	Computer Graphics and Multimedia Techniques	38.80	43.16	50.02	50.02	49.28
24	6CS5A	Embedded System Design	60.40	60.70	67.50	66.50	64.80
25	6CS6.2A	Artificial Intelligence	74.91	73.87	75.93	66.34	71.22
26	6CS6.3A	Human Computer Interface	71.80	70.98	66.78	75.28	70.70
27	7CS1A	Cloud Computing	84.13	80.39	79.10	74.06	64.96
28	7CS2A	Information System Security	86.78	81.66	79.45	70.53	70.28
29	7CS3A	Data Mining & Ware Housing	80.82	70.43	68.76	73.10	73.78
30	7CS4A	Computer Aided Design Of VLSI	49.44	43.14	51.77	48.10	46.98
31	7CS5A	Complier Construction	72.70	76.61	81.23	81.76	78.41

  
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32	7CS6.1A	Advance Data Base Management System	70.81	69.42	65.03	70.63	69.54
33	8CS1A	Mobile Computing	76.00	78.02	72.66	63.50	73.50
34	8CS2A	Digital Image Processing	57.95	53.42	65.20	60.12	64.53
35	8CS3 A	Distributed Systems	79.91	79.88	76.36	73.19	66.11
36	8CS4.2A	Real Time Systems	85.25	68.86	71.33	63.48	54.75
37	8CS4.3A	Information Retrieval	76.80	61.11	66.60	75.20	66.40

  
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ATTAINMENT LEVEL &gt;= 60

CO ATTAINMENT

2019-20

S. No.	Subject Code	Subject	CO1	CO2	CO3	CO4	CO5
1	3CS2-01	Advanced Engineering Mathematics	49.45	75.43	91.49	66.35	70.41
2	3CS1-02	Technical Communication	90.54	82.42	87.01	75.11	NA
3	3CS3-04	Digital Electronics	42.89	57.46	71.70	63.40	60.51
4	3CS4-05	Data Structures & Algorithms	63.36	54.85	54.60	56.90	53.96
5	3CS4-06	Object Oriented Programming	69.81	57.03	68.27	62.07	72.80
6	3CS4-07	Software Engineering	64.39	63.36	50.95	49.83	40.31
7	4CS2-01	Discrete Mathematics Structure	61.18	54.11	70.07	98.54	71.93
8	4CS1-03	Managerial Economics and Financial Accounting	72.98	81.09		90.28	
9	4CS3-04	Microprocessor & Interfaces	75	71	73	45	39
10	4CS4-05	Database Management System	64.87	46.50	77.77	85.23	
11	4CS4-06	Theory Of Computation	80	89.5	76.4	78.4	76.7
12	4CS4-07	Data Communication and Computer Networks	68.87	74.69	82.26	85.84	74.58
13	5CS3-01	Information Theory & Coding	60.09	73.72	76.98	71.02	69.33
14	5CS4-02	Compiler Design	69.28	66.36	59.79	61.17	70.59
15	5CS4-03	Operating System	59.44	67.20	65.27	69.47	62.57
16	5CS4-04	Computer Graphics & Multimedia	37.34	37.02	44.92	41.84	38.87
17	5CS4-05	Analysis of Algorithms	69.31	59.31	66.88	66.04	53.14
18	5CS5-11	Wireless Communication	100	89.39167	100		94.98
19	5CS5-12	Human-Computer Interaction	67.04	40.22	54.30	70.99	54.92
20	6CS3-01	Digital Image Processing	63.08	65.89	83.17	85.78	84.44
21	6CS4-02	Machine Learning	89.9	87.82	94.7		
22	6CS4-03	Information Security System	88.13	84.24	85.81	87.10	88.16
23	6CS4-04	Computer Architecture and Organization	67.01	56.52	82.21	94.68	90.38
24	6CS4-05	Artificial Intelligence	78.1	84.2	88.5	10.7	11.1
25	6CS4-06	Cloud Computing	87.23	82.56	81.97	75.16	73.67
26	6CS5-11	Distributed System	85.56	72.69	90.94	88.75	89.38
27	6CS5-13	Ecommerce and ERP	90.26	87.79	99.68		
28	7CS1A	Cloud Computing	86.79	85.87	74.77	79.94	74.04
29	7CS2A	Information System Security	86.88	77.29	80.89	78.89	71.73
30	7CS3A	Data Mining & Ware Housing	76.23	78.20	62.66	84.34	73.01
31	7CS4A	Computer Aided Design Of VLSI	50.65	37.40	38.13	36.07	40.91
32	7CS5A	Compiler Construction	81.36	61.37	82.92	82.13	82.61
33	7CS6.1A	Advance Data Base Management System	72.15	76.85	68.90	76.11	65.94
34	8CS1A	Mobile Computing	46.93	66.41	97.62		
35	8CS2A	Digital Image Processing	59.92	79.91	79.59	75.85	64.58
36	8CS3 A	Distributed Systems	77.56	64.51	91.80	95.13	96.22
37	8CS4.2A	Real Time Systems	79.75	93.119048	83.761905	95.738095	
38	8CS4.3A	Information Retrieval	64.68966		70.86	94.5	85.73333

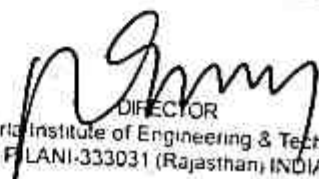
  
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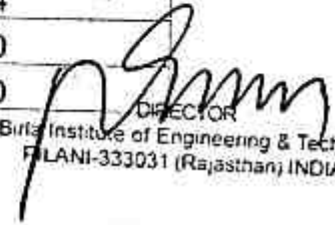
S. No.	Subject Code	Subject	CO1	CO2	CO3	CO4	CO5
1	1FY2-01	Engineering Mathematics-1	71.363	69.759	70.328	101.34	66.21
2	2FY2-01	Engineering Mathematics-1I	73.69	52.15	67.28	84.18	74.49
3	1FY2-02	Engineering Physics	44.55	41.24	60.84	79.48	76.77
4	1FY2-03	Engineering Chemistry	67.376	62.934	75.926	72.361	74.10
5	1FY1-04	Communication Skill	75.31	62.41	83.25	82.19	88.86
6	1FY1-05	Human Values	91.812	73.391	86.612	82.111	38.381
7	1FY3-06	Programming for Problem Solving	66.651	63.052	59.545	NA	NA
8	1FY3-07	Basic Mechanical Engineering	77.167	58.984	49.078	92.48	85.195
9	1FY3-08	Basic Electrical Engineering	58.43	58.041	76.278	71.419	66.215
10	1FY3-09	Basic Civil Engineering	78.896	70.667	76.266	72.164	77.475

  
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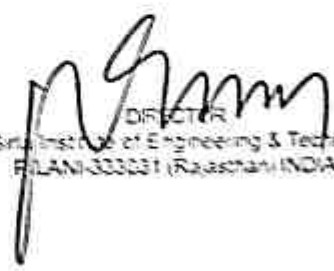
Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3CS1-02	1.76	0	0.65	0	1.63	0	1.77	1.77	1.77	0	1.77	1.77
3CS2-01	2.37	2.37	2.37	1.74	2.37	2.37	2.37	1.74	1.74	1.74	1.74	2.37
3CS3-04	1.29	1.29	1.67	1.75	1.61	1.75	1.75	0	1.75	1.75	1.75	1.75
3CS4-05	1.21	1.33	1.65	1.21	1.65	1.65	1.21	1.21	1.21	1.65	1.65	1.65
3CS4-06	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.72	1.95	1.95	1.95	1.95
3CS4-07	1.84	1.93	1.70	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
4CS1-03	1.18	0.79	1.70	1.70	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.31
4CS2-01	2.10	2.10	1.70	2.10	2.10	0	0	0	0	2.10	0	2.10
4CS3-04	1.95	1.43	1.57	1.95	1.78	1.95	1.95	1.43	1.95	1.95	1.95	1.95
4CS4-05	1.83	1.53	1.68	1.99	1.91	2.08	2.08	1.53	2.08	2.08	2.08	2.08
4CS4-06	1.44	1.44	1.44	1.73	1.80	1.96	1.96	1.44	1.96	1.96	1.96	1.96
4CS4-07	1.64	1.64	1.79	1.64	1.89	2.03	2.03	1.49	1.49	2.03	2.03	2.03
5CS1A	1.42	1.56	1.85	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
5CS2A	1.23	1.23	1.23	1.59	1.53	1.67	1.67	1.23	1.23	1.67	1.67	1.23
5CS3A	1.44	1.44	1.44	1.96	1.80	1.96	1.96	1.44	1.96	1.96	1.96	1.96
5CS4A	1.73	1.73	1.73	1.65	1.58	1.73	1.73	1.27	1.73	1.73	1.27	1.73
5CS5A	2.08	2.08	2.08	2.08	1.91	2.08	2.08	1.53	1.53	2.08	2.08	2.08
5CS6.1A	1.93	2.02	1.33	1.85	1.85	2.02	1.85	1.48	1.48	2.02	1.48	1.48
5CS6.3A	1.99	1.46	1.32	1.83	1.10	1.99	0	0.15	0.46	0	0	1.99
6CS1A	2.01	2.01	1.91	2.01	1.91	2.01	1.84	1.47	2.01	2.01	1.47	2.01
6CS2A	2.06	2.06	2.06	2.06	1.88	2.06	2.06	1.51	2.06	2.06	2.06	2.06
6CS3A	2.02	2.02	2.02	2.02	1.85	2.02	2.02	1.11	1.78	2.02	2.02	2.02
6CS4A	1.37	1.37	1.20	1	1.25	1.37	1.37	1	1.37	1.37	1	1.37
6CS5A	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.35	1.84	1.355	1.84	1.84
6CS6.2A	2.50	2.50	2.01	2.50	2.50	2.50	2.50	1.83	2.50	2.50	2.50	2.50
6CS6.3A	2.02	1.93	1.63	2.02	1.86	2.02	1.48	1.48	1.48	2.02	2.02	1.48
7CS1A	2.15	0.79	1.74	1.97	2.15	2.15	2.15	1.58	1.58	2.15	2.15	1.74
7CS2A	1.58	1.90	2.05	1.98	2.15	2.15	1.58	1.19	2.15	2.15	2.15	1.58
7CS3A	2.04	2.04	2.04	1.87	2.04	2.04	1.50	1.12	2.04	1.50	2.04	1.50
7CS4A	1.43	1.50	1.43	1.50	1.50	1.50	1.50	1.10	1.10	1.10	1.10	1.10
7CS5A	2.10	2.10	1.94	2.02	1.62	2.20	2.20	1.21	2.20	2.20	2.20	2.20
7CS6.1A	1.97	1.73	1.97	1.88	1.45	1.97	1.97	1.45	1.97	1.97	1.97	1.97
8CS1A	2.09	2.09	2.09	2.09	2.09	2.09	2.09	1.53	2.09	2.09	2.09	2.09
8CS2A	1.74	1.74	1.66	1.66	1.28	1.74	1.74	0.96	1.74	1.28	1.74	1.28
8CS3A	2.18	2.18	2.18	2.08	2.08	2.18	2.18	1.60	2.18	1.60	2.18	1.60
8CS4.2A	2.04	1.64	1.27	1.87	1.87	2.04	2.04	1.50	1.50	1.50	1.50	1.50
8CS4.3A	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.44	1.96	1.44	1.96	1.44

  
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Course	PSO1	PSO2	PSO3
3CS1-02	1.3	0	1.77
3CS2-01	2.37	1.74	2.37
3CS3-04	1.75	1.75	1.75
3CS4-05	1.21	1.65	1.65
3CS4-06	1.95	1.95	1.95
3CS4-07	1.93	1.93	1.93
4CS1-03	1.31	1.78	1.78
4CS2-01	2.10	2.10	1.54
4CS3-04	1.95	1.95	1.86
4CS4-05	2.08	2.08	1.53
4CS4-06	1.96	1.44	1.44
4CS4-07	1.49	2.03	2.03
5CS1A	1.94	1.94	1.42
5CS2A	1.67	1.35	1.23
5CS3A	1.44	1.44	1.44
5CS4A	1.73	1.27	1.27
5CS5A	1.53	1.53	1.53
5CS6.1A	2.02	1.48	1.48
5CS6.3A	1.99	1.99	1.99
6CS1A	2.01	2.01	2.01
6CS2A	1.51	2.06	2.06
6CS3A	1.48	1.48	1.48
6CS4A	1.37	1.37	1.37
6CS5A	1.84	1.84	1.84
6CS6.2A	1.83	1.83	2.50
6CS6.3A	2.02	2.02	2.02
7CS1A	1.89	1.58	2.15
7CS2A	1.58	2.15	2.15
7CS3A	1.50	2.04	2.04
7CS4A	1.10	1.10	1.10
7CS5A	1.62	2.2	2.2
7CS6.1A	1.97	1.97	1.97
8CS1A	2.09	2.09	1.69
8CS2A	1.74	1.74	1.74
8CS3A	2.18	2.18	1.60
8CS4.2A	2.04	1.50	1.50

  
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SCS4.3A	1.96	1.96	1.96
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3.1.3. Program level Course-PO matrix of all courses INCLUDING first year courses (10)

CO-PO Average Values														
Session-2020-21 ( I SEM to VIII SEM )														
S. No.	Subject Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	1FY2-01	Engineering Mathematics-1	2.4	2.6		2	-		-	-	-	-		
2	1FY1-03	Engineering Chemistry	2	1.4				2	0.6					
3	1FY1-05	Human Values								1.5	1	1.6		
4	2FY3-06	Programming for Problem Solving	3	1	2									
5	1FY3-08	Basic Electrical Engineering	3	2.5	1.5								1	
6	2FY2-01	Engineering Mathematics-2	3	3		2								2.08
7	1FY1-02	Engineering Physics	2	2			1.5				1.33			1.4
8	1FY1-04	Communication Skill								1	1	1.75		
9	2FY3-07	Basic Mechanical Engineering	3	2		1								
10	1FY3-09	Basic Civil Engineering	2	2	-		-	1						
11	1FY1-20	Engineering Physics lab	3	1.34	1.67						1			
12	21/2FY1-21	Engineering Chemistry lab	2	0.67	0.34	1	0.67							
13	1FY2-22	Language lab												
14	1FY1-23	Human values activities								1	1.6	1.6		
15	1FY2-24	Computer Programming lab	2	2	2		1			1.5	1	1.6		
16	2FY3-25	Manufacturing practices workshop	2			2								
17	1FY3-26	Basic Electrical Engineering lab	3	1.34	1.67						3			
18	1FY3-27	Basic Civil Engineering lab	2	2							1			1
19	1FY3-28	Computer Aided Engineering Graphics	2	2	1		1							
20	2FY3-29	Computer Aided Machine Drawing	3	2	2		1							
21	3IT2-01	Advanced Engineering Mathematics	3	3		1.5						1.25	1.25	







3.1.3. Program level Course-PSO's matrix of all courses INCLUDING first year courses (10)

		CO-PSO Average Values			Session-2020-21 (I SEM to VIII SEM)		
S. No.	Subject Code	Subject	PSO1	PSO2	PSO3		
1	1FY2-01	Engineering Mathematics-1	-	-	-		
2	1FY1-03/2FY1-03	Engineering Chemistry	-	-	-		
3	1FY1-05	Human Values:	-	-	-		
4	2FY3-06	Programming for Problem Solving	-	-	-		
5	1FY3-08	Basic Electrical Engineering	-	-	-		
6	2FY2-01	Engineering Mathematics-2	-	-	-		
7	1FY1-02	Engineering Physics	-	-	-		
8	1FY1-04	Communication Skill	-	-	-		
9	2FY3-07	Basic Mechanical Engineering	-	-	-		
10	1FY3-09	Basic Civil Engineering	-	-	-		
11	1FY1-20	Engineering Physics lab	-	-	-		
12	1FY1-21/2FY1-21	Engineering Chemistry lab	-	-	-		
13	1FY2-22	Language lab	-	-	-		
14	1FY1-23	Human values activities	-	-	-		
15	1FY2-24	Computer Programming lab	-	-	-		
16	2FY3-25	Manufacturing practices workshop	-	-	-		
17	1FY3-26	Basic Electrical Engineering lab	-	-	-		
18	1FY3-27	Basic Civil Engineering lab	-	-	-		
19	1FY3-28	Computer aided engineering graphics	-	-	-		
20	2FY3-29	Computer aided machine drawing	2.84	-	-		
21	3IT2-01	Advanced Engineering Mathematics	3.00	-	-		
22	3IT1-02	Technical Communication	2.70	-	-		
23	3IT3-04	Digital Electronics	3.00	-	-		
24	3IT4-05	Data Structures & Algorithms	3.00	-	-		

25	3IT4-06	Object Oriented Programming	2.00	-	-
26	3IT4-07	Software Engineering	3.00	-	-
27	3IT4-21	Data Structures and Algorithms Lab	3.00	-	-
28	3IT4-22	Object Oriented Programming Lab	-	-	-
29	3IT4-23	Software Engineering Lab	2.20	-	-
30	3IT4-24	Digital Electronics Lab	1.80	-	-
31	4IT2-01	Discrete Mathematics Structure	3.00	-	-
32	4IT1-03	Managerial Economics and Financial Accounting	-	-	-
33	4IT3-04	Principle of Communication	2.00	-	-
34	4IT4-05	Database Management System	2.40	-	-
35	4IT4-06	Theory of Computation	2.40	-	-
36	4IT4-07	Data Communication and Computer Networks	2.20	-	-
37	4IT4-21	Linux Shell Programming Lab	2.60	-	-
38	4IT4-22	Database Management System Lab	1.60	-	-
39	4IT4-23	Network Programming Lab	2.00	-	-
40	4IT4-24	Java Lab	3.00	-	-
41	4IT4-25	Web Technology Lab	1.60	-	-
42	5IT3-01	Microprocessor and Interfacs	3.00	-	-
43	5IT4-02	Compiler Design	2.25	-	-
44	5IT4-03	Operating System	1.20	-	-
45	5IT4-04	Computer Graphics & Multimedia	3.00	-	-
46	5IT4-05	Analysis of Algorithms	3.00	-	-
47	5IT5-12	Software Testing and Project Management	2.80	-	-
48	5IT4-21	Computer Graphics & Multimedia Lab	2.00	-	-
49	5IT4-22	Compiler Design Lab	2.60	-	-
50	5IT4-23	Analysis of Algorithms Lab	3.00	-	-
51	5IT4-24	Advance Java Lab	2.24	-	-
52	6IT3-01	Digital Image Processing	1.40	-	-

53	6IT4-02	Machine Learning	-	2.00	-	-
54	6IT4-03	Information Security System	-	3.00	-	-
55	6IT4-04	Computer Architecture and Organization	-	2.00	-	-
56	6IT4-05	Artificial Intelligence	-	2.60	-	-
57	6IT4-06	Distributed System	-	2.20	-	-
58	6IT5-12	Cloud Computing	-	2.00	-	-
59	6IT4-21	Digital Image Processing Lab	-	2.75	-	-
60	6IT4-22	Machine Learning Lab	-	1.60	-	-
61	6IT4-23	Python Lab	-	3.00	-	-
62	6IT4-24	Mobile Application Development Lab	-	1.80	-	-
63	7IT4-01	Big Data Analytics	-	2.25	-	-
64	7IT4-21	Big Data Analytics Lab	-	3.00	-	-
65	7IT4-22	Cyber Security Lab	-	2.40	-	-
66	7PE6-60.2	Water Pollution Control Engineering	-	1.00	-	-
67	8IT4-01	Internet of Things	-	3.00	-	-
68	8IT6-60.2	Disaster Management	-	1.00	-	-
69	8IT4-21	Internet of Things Lab	-	2.24	-	-
70	8IT4-22	Software Testing and Validation Lab	-	2.20	-	-

  
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3.1.3. Program level Course-PO matrix of all courses INCLUDING first year courses (10)

CO-PO Average Values		Session-2021-22 (I SEM to VIII SEM)													
S. No	Course Code	Course Title	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	
1	1FY1-01	Engineering Mathematics-1	3	3	-	2	-	-	-	-	-	-	-	-	
2	1FY1-02	Engineering Physics	3	3	-	2	-	-	-	-	-	-	-	-	
3	1FY1-03	Engineering Chemistry	2	1.4	-	-	-	2	0.6	-	-	-	-	-	
4	1FY1-04	Communication Skill	-	-	-	-	-	-	-	1	1.67	1.6	-	-	
5	1FY1-05	Managerial Economics & Financial accounts	-	-	-	-	-	-	-	1	1.67	1.6	-	-	
6	1FY1-06	Introduction to Built Environment	2	2	-	-	-	1	-	-	-	-	-	-	
7	1FY1-07	Basic Electrical Engineering	3	2	2	-	-	-	-	-	-	-	-	-	
8	1FY1-08	Computer Fundamentals & Programming	3	1	2	-	-	-	-	-	-	-	1	-	
9	1FY1-09	Elements of Mechanical Engineering	3	2	-	1	-	-	-	-	-	-	-	-	
10	2FY1-01	Engineering Mathematics-2	3	3	-	2	-	-	-	-	-	-	-	-	
11	1FY1-20	Engineering Physics lab	2	2	-	-	2	-	-	-	1.75	-	-	1	
12	1FY1-21/ 2FY1-21	Engineering Chemistry lab	2	0.67	0.34	1	0.67	-	-	-	-	-	-	-	
13	1FY3-22	Communication Skill lab	-	-	-	-	-	-	-	1	1.67	1.6	-	-	
14	2FY3-22	Technical communication	-	-	-	-	-	-	-	1	1.67	1.6	-	-	
15	2FY2-24	Computer programming lab	2	2	2	-	1	-	-	-	-	-	-	-	
16	2FY2-25	Mechanical workshop practice	2	-	-	2	-	-	-	-	3	-	-	-	
17	1FY2-26	Built environment practices	2	2	-	-	-	1	-	-	-	-	-	-	
18	1FY2-27	Basic electrical engineering lab	2.99	-	-	-	-	-	-	-	-	1.59	-	-	
19	1FY2-28	Engineering visualization	5	1.09	1.82	-	-	-	-	-	8	-	-	1.056	
20	2FY2-29	Computer aided machine drawing	2	2	1	-	1	-	-	-	-	-	-	-	
			3	2	2	-	1	-	-	-	-	-	-	-	

21	3IT2-01	Advanced Engineering Mathematics	3	3	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	3IT1-02	Technical Communication	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	3IT3-04	Digital Electronics	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
24	3IT4-05	Data Structures & Algorithms	3	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
25	3IT4-06	Object Oriented Programming	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	3IT4-07	Software Engineering	3	2.4	3	2.8	3	3	3	3	3	3	3	3	3	3	3	3	3
27	3IT4-21	Data Structures and Algorithms Lab	3	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
28	3IT4-22	Object Oriented Programming Lab	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	3IT4-23	Software Engineering Lab	2	1.75	1.75	2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
30	3IT4-24	Digital Electronics Lab	2.6	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
31	4IT2-01	Discrete Mathematics Structure	3	3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
32	4IT1-03	Managerial Economics and Financial Accounting		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	4IT3-04	Principle of Communication	2.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
34	4IT4-05	Database Management System	2.4	2.4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
35	4IT4-06	Theory of Computation	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
36	4IT4-07	Data Communication and Computer Networks	2.4	2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37	4IT4-21	Linux Shell Programming Lab	2	2.5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
38	4IT4-22	Database Management System Lab	2	2.2	2.2	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
39	4IT4-23	Network Programming Lab	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
40	4IT4-24	Java Lab	2.2	1.4	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
41	4IT4-25	Web Technology Lab	1.6	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42	5IT3-01	Microprocessor and Interfaces	3	3	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3
43	5IT4-02	Compiler Design	2	2.75	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
44	5IT4-03	Operating System	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
45	5IT4-04	Computer Graphics & Multimedia	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
46	5IT4-05	Analysis of Algorithms	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
47	5IT5-12	Software Testing and Project Management	3	1.6	2.2	2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
48	5IT4-21	Computer Graphics & Multimedia Lab	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2





3.1.3. Program level Course-PSO matrix of all courses INCLUDING first year courses (10)

CO-PSO Average Values		Session-2021-22 (I SEM to VIII SEM)			
S. No.	Course Code	Course Title	PSO1	PSO2	PSO3
1	1FY1-01	Engineering Mathematics-I	-	-	-
2	1FY1-02	Engineering Physics	-	-	-
3	1FY1-03	Engineering Chemistry	-	-	-
4	1FY1-04	Communication Skill	-	-	-
5	1FY1-05	Managerial Economics & Financial accounts	-	-	-
6	1FY1-06	Introduction to Built Environment	-	-	-
7	1FY1-07	Basic Electrical Engineering	-	-	-
8	1FY1-08	Computer Fundamentals & Programming	-	-	-
9	1FY1-09	Elements of Mechanical Engineering	-	-	-
10	2FY1-01	Engineering Mathematics-2	-	-	-
11	1FY1-20	Engineering Physics lab	-	-	-
12	1FY1-20	Engineering Chemistry Lab	-	-	-
13	1FY3-22	Communication Skill lab	-	-	-
14	2FY3-22	Technical communication	-	-	-
15	2FY2-24	Computer programming lab	-	-	-
16	2FY2-25	Mechanical workshop practice	-	-	-
17	1FY2-26	Built environment practices	-	-	-
18	1FY2-27	Basic electrical engineering lab	-	-	-
19	1FY2-28	Engineering visualization	-	-	-
20	2FY2-29	Computer aided machine drawing	-	-	-
21	3IT2-01	Advanced Engineering Mathematics	3	-	-
22	3IT1-02	Technical Communication	2	-	-
23	3IT3-04	Digital Electronics	3	-	-
24	3IT4-05	Data Structures & Algorithms	3	-	-
25	3IT4-06	Object Oriented Programming	2	-	-
26	3IT4-07	Software Engineering	3	-	-

27	3IT4-21	Data Structures and Algorithms Lab	3	-	-
28	3IT4-22	Object Oriented Programming Lab	2	-	-
29	3IT4-23	Software Engineering Lab	1.8	-	-
30	3IT4-24	Digital Electronics Lab	3	-	-
31	4IT2-01	Discrete Mathematics Structure	2	-	-
32	4IT1-03	Managerial Economics and Financial Accounting	1.8	-	-
33	4IT3-04	Principle of Communication	2	-	-
34	4IT4-05	Database Management System	2.2	-	-
35	4IT4-06	Theory of Computation	2.6	-	-
36	4IT4-07	Data Communication and Computer Networks	1.6	-	-
37	4IT4-21	Linux Shell Programming Lab	3	-	-
38	4IT4-22	Database Management System Lab	2.25	-	-
39	4IT4-23	Network Programming Lab	1.2	-	-
40	4IT4-24	Java Lab	3	-	-
41	4IT4-25	Web Technology Lab	3	-	-
42	5IT3-01	Microprocessor and Interfaces	2.6	-	-
43	5IT4-02	Compiler Design	1.6	-	-
44	5IT4-03	Operating System	2	-	-
45	5IT4-04	Computer Graphics & Multimedia	3	-	-
46	5IT4-05	Analysis of Algorithms	3	-	-
47	5IT5-12	Software Testing and Project Management	2	-	-
48	5IT4-21	Computer Graphics & Multimedia Lab	2.6	-	-
49	5IT4-22	Compiler Design Lab	3	-	-
50	5IT4-23	Analysis of Algorithms Lab	2	-	-
51	5IT4-24	Advance Java Lab	1.4	-	-
52	6IT3-01	Digital Image Processing	1.8	-	-
53	6IT4-02	Machine Learning	1.64	-	-
54	6IT4-03	Information Security System	2	-	-
55	6IT4-04	Computer Architecture and Organization	2.6	-	-
56	6IT4-05	Artificial Intelligence	-	-	-

57	6IT4-06	Distributed System	2.2	-	-
58	6IT5-12	Cloud Computing	2.6	-	-
59	6IT5-13	Ecommerce and ERP	3	-	-
60	6IT4-21	Digital Image Processing Lab	2.75	-	-
61	6IT4-22	Machine Learning Lab	1.6	-	-
62	6IT4-23	Python Lab	3	-	-
63	6IT4-24	Mobile Application Development Lab	2.6	-	-
64	7IT4-01	Big Data Analytics	2.25	-	-
65	7CE6-60.2	Disaster Management	2.3	-	-
66	7IT4-21	Big Data Analytics Lab	3	-	-
67	7IT4-22	Cyber Security Lab	2.4	-	-
68	8IT4-01	Internet of Things	3	-	-
69	8IT6-60.2	Disaster Management	2.3	-	-
70	8IT4-21	Internet of Things Lab	3	-	-
71	8IT4-22	Software Testing and Validation Lab	1	-	-

  
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