



Yashoda Shikshan Prasarak Mandal's
YASHODA TECHNICAL CAMPUS, SATARA
 Department of Computer Science & Engineering
 Academic Year-2021-22

Table I CO Attainment for 2021-22

Sr. No.	Course name	Course code	COs					
			CO1	CO2	CO3	CO4	CO5	CO6
1	Engineering Mathematics- I	BTBS101	2.96	2.96	3.00	3.00	3.00	
2	Engineering Physics	BTBS102	3	3	2.92	3	3	
3	Engineering Graphics	BTES103	1.60	1.66	1.66	1.43		
4	Communication Skills	BTHM104	3.00	2.76	3.00	2.68		
5	Energy Environment Engineering	BTES105	2.72	2.8	2.97	2.92		
6	Basic Civil & Mechanical Engg.	BTES106	3.00	2.20	3.00	3.00	2.20	
7	Engineering Physics Lab	BTBS107L	3	3	3	3		
8	Engineering Graphics Lab	BTES108L	2.15	2.17	2.33	2.3		
9	Communication Skills Lab.	BTHM109L	2.52	2.68	2.52	2.68		
10	Engineering Mathematics-II	BTBS201	2.24	2.25	2.36	2.36	2.36	
11	Engineering Chemistry	BTBS202	2.2	2.2	2.36	2.36	2.36	
12	Engineering Mechanics	BTES203	2.12	2.36	2.12	2.36	2.36	
13	Computer Programming in C	BTES204	2.84	2.84	2.56	2.56	2.56	
14	Workshop Practices	BTES205	2.84	2.84	2.84	2.84		
15	Basic Electronics & Electrical Engg	BTES206	2.95	2.96	2.97	2.97	2.96	
16	Engineering Chemistry Lab	BTBS207L	2.36	2.36	2.36	2.36		
17	Engineering Mechanics Lab	BTES208L	2.36	2.36	2.36	2.36		
18	Seminar	BTES210S	2.68	2.68	3	3	2.68	

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19	Engineering Mathematics-III	BTBS301	2.92	2.89	2.84	2.68	2.68		
20	Discrete Mathematics	BTCOC302	2.94	2.98	2.97	2.82			
21	Data Structures	BTCOC303	2.88	2.90	2.98	2.98			
22	Computer Architecture & Organization	BTCOC304	2.92	2.85	2.98	2.65			
23	Object Oriented Programming in Java	BTCOC305B	2.79	2.82	2.98	2.98			
24	Data Structures Lab & Object-Oriented Programming Lab	BTCOL306	2.98	2.98	2.82	2.82			
25	Seminar – I	BTCOS307	2.98	2.98	2.82	2.98			
26	Field Training / Internship / Industrial Training	BTES211P	2.18	2.18	2.18	2.34			
27	Design & Analysis of Algorithms	BTCOC401	2.92	2.85	2.98	2.98			
28	Operating System	BTCOC402	2.30	2.33	2.34	2.34			
29	Basic Human Rights	BTHM403	2.24	2.25	2.34	2.34			
30	Probability Theory & Random Processes	BTBS404	2.36	2.31	2.36	2.36			
31	Digital Logic Design & Microprocessor	BTES405	1.64	1.57	1.70	1.70			
32	Operating System & Python Programing Lab	BTCOL406	2.97	2.98	2.82	2.98			
33	Seminar-II	BTCOS407	2.34	2.33	2.18	2.34			
34	Database Systems	BTCOC501	2.91	2.81	2.82	2.97			
35	Theory of Computation	BTCOC502	2.88	2.81	2.82	2.81			
36	Machine Learning	BTCOC503	2.91	2.77	2.82	2.97			
37	Introduction to Research	BTCOE504A	2.91	2.89	2.66	2.97			
38	Business Communication	BTCOE505B	2.91	2.73	2.66	2.97			
39	Competitive Programming-I	BTCOC506	2.82	2.82	2.98	2.98			
40	Database System Laboratory	BTCOL507	2.98	2.97	2.98	2.98			
41	Machine Learning Laboratory	BTCOL508	2.98	2.82	2.98	2.82			

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42	Seminar	BTCOS509	2.98	2.82	2.66	2.82		
43	Field Training / Internship / Industrial Training Evaluation	BTCOF411	2.18	2.98	2.18	2.98		
44	Compiler Design	BTCOC601	2.95	2.94	2.98	2.97		
45	Computer Networks	BTCOC602	2.95	2.93	2.98	2.97		
46	Artificial Intelligence	BTCOE603B	2.11	2.17	2.34	2.33		
47	Internet of Things	BTCOE604C	2.88	2.93	2.98	2.97		
48	Consumer Behavior	BTCOE605C	2.91	2.85	2.98	2.97		
49	Competitive Programming-II	BTCOC606	2.98	2.99	2.98	2.98		
50	Internet of Things Laboratory	BTCOL607B	2.66	2.50	2.66	2.50		
51	Computer Networks Laboratory	BTCOL608	2.82	2.98	2.97	2.81		
52	Software Engineering	BTCOC701	2.85	2.88	2.82	2.98		
53	Big Data Analytics	BTCOE702A	2.94	2.96	2.98	2.97		
54	Cloud Computing	BTCOE703A	2.26	2.25	2.16	2.34		
55	Blockchain Technology	BTCOE704A	2.94	2.92	2.97	2.96		
56	Full Stack Development	BTCOL705	2.50	2.48	2.66	2.50		
57	System Administration	BTCOL706	2.65	2.80	2.80	2.66		
58	Big Data Analytics Lab	BTCOL707	2.82	2.96	2.98	2.98		
59	Cloud Computing Lab	BTCOL708	2.66	2.48	2.66	2.50		
60	Project phase - I	BTCOP709	2.19	2.34	2.34	2.33	2.32	
61	Field Training / Internship / Industrial Training	BTCOF609	2.96	2.95	2.96	2.96	2.94	
62	Social Networks	BTCOE801B	2.25	2.28	2.34	2.34		
63	Cryptography and Network Security	BTCOE802B	2.95	2.92	2.98	2.98		
64	Project phase -II	BTCOE803	2.98	2.96	2.97	2.96	2.96	


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Table 2 PO Attainment for 2021-22

Sr. No.	Course Code	POs											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	BTBS101	2.78	2.38	0.99	0.98	0.99 1							
2	BTBS102	1.44	1.44	0.72	1.44			0.72					0.91
3	BTES103	1.59	1.59	1.34	1.45	0.53							1.59
4	BTHM104									0.96	1.2	2.86	1.2
5	BTES105	2.85	2.63	2.38	2.39								2.16
6	BTES106	1.84	1.07	1.16	2		1.87	0.73					2.85
7	BTBS107L	1.49	1.49										2.53
8	BTES108L	2.24	2.06	2.06	1.87	1.67				0.75	0.75		1.49
9	BTHM109L												2.24
10	BTBS201	2.00 01	1.22 85	0.77 67	0.74 89	0.76 89				0.86	1.08	2.6	1.08
11	BTBS202	1.53	0.79	0.79			1.53	1.53					
12	BTES203	2.26	2.26	1.81	1.95								1.38
13	BTES204	1.5	1.75	1.66 7	1.33	2	1.33	2	1.33	2	2	2	2.26
14	BTES205	1.99	1.99	1.99	1	2.99	1.99	1.99		1.99	1.99		1.6
15	BTES206	2.37	0.99	0.99		0.99			0.99				1.99
16	BTBS207L		0.85				1.12	0.99					0.99
17	BTES208L	2.36	2.36										1.12
18	BTES210S	1.93		1			1.6	1.26	1.64	2.26	1.92		2.36
19	BTBS301	2.22	1.86	1.12	2.18	0.99	0.99	2.26	1.73	2.23	0.99	2.23	1.54
20	BTCOC302	2.26	1.19	0.93	0.93	0.92							1.48
21	BTCOC303	2.93	1.95	1.62	1.94								
22	BTCOC304	2.94	2.3	2.3	2.3								
23	BTCOC305B	2.38	2.5	1.87	2.53	2.17							1.95
24	BTCOL306	2.22	1.91	2.98	2.98	1.93							
25	BTCOS307	2.9	2.9	1.93	0.97	0.97							1.7
26	BTES211P	1.88											2.9
27	BTCOC401	2.93	2.69	2.2	2.45			1.88	1.88		1.99		1.99
28	BTCOC402	2.33	1.55	1.55	1.55	1.55							
29	BTHM403												
30	BTBS404	2.15	0.79	0.79	0.7	0.77			1.93	1.93	1.93		0.96
31	BTES405	1.11	1.11	1.47	1.28	1.28							
32	BTCOL406	2.69	1.99	1.98	1.98	1.98							
33	BTCOS407	1.46											2.82
34	BTCOC501	2.88	2.4	2.64	1.44			1.46	1.46		1.56		1.56
35	BTCOC502	2.83	2.36	2.59	1.42								
36	BTCOC503	1.67	0.96	1.67	1.67			2.63	0.96				



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37	BTCOE504A	2.14	1.89	2.18									
38	BTCOE505B	2.82	2.35	2.58	1.41								
39	BTCOC506	2.82	2.43	2.82	2.98	2.56			2.98				
40	BTCOL507	2.98	2.98	2.98	1.99	2.98							2.42
41	BTCOL508	1.93		1.93	1.93								
42	BTCOS509	1.78						2.9	0.97				
43	BTCOF411	1.72		1.72	1.72			1.78	1.78		1.9		1.88
44	BTCOC601	2.96	2.96	1.98	1.97								
45	BTCOC602	1.97		0.98	0.98	0.97				2.96	1.98	1.97	
46	BTCOE603B	1.45		1.13	1.86	1.55		0.98				1.649	
47	BTCOE604C			1.63	1.98	1.94	1.31	0.97	1.98				
48	BTCOE605C								1.95	1.70		1.95	1.95
49	BTCOC606	2.49	2.49	2.32									
50	BTCOL607B	2.16		2.50	1.77	2.49	2.50						
51	BTCOL608	2.35	1.98	1.97		2.96	1.88					2.66	2.08
52	BTCOC701	1.92	1.68	1.2			0.95			1.87	1.87		2.88
53	BTCOE702A	1.97	2.96	2.22		2.97							
54	BTCOE703A	1.3	1.68	1.5	2.24	0.78					0.98		2.96
55	BTCOE704A	1.95	0.97	1.97	1.97		1.97						1.86
56	BTCOL705	1.48	1.89	2.11	0.83	0.83	1.66	0.83	1.26	1.69	1.697		2.54
57	BTCOL706	1.21	1.19	1.80	1.81	2.05	1.76		1.76				1.36
58	BTCOL707	2.69	2.68	2.43	1.95	2.20	1.98	1.48					2.68
59	BTCOL708	1.49	2.14	1.93	1.71	1.92	1.66						1.71
60	BTCOP709	2.15	1.83	2.01	1.23	1.55	0.77	1.03	1.94	2.07	2.07	1.2	2.07
61	BTCOF609	2.22	1.97	2.3	1.72	1.97	1.64	1.32	2.63	2.46	2.96	1.64	1.64
62	BTCOE801B	1.34	1.72	1.54	2.28	0.78							1.91
63	BTCOE802B	2.96	2.71	2.21		2.97	0.98	0.98					2.71
64	BTCOE803	2.77	2.56	2.56	1.58	1.97	1.31	1.31	2.96	2.30	2.92	1.48	2.71
	Direct Attainment	2.15	1.93	1.81	1.72	1.71	1.54	1.53	1.67	1.90	1.93	1.84	1.97


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YASHODA TECHNICAL CAMPUS, SATARA
Faculty of Engineering
E & TC Department
Academic Year 2021-22

Table 1 CO Attainment for 2021-22

Sr. No	Subject Name	Subject Code	COs								
			CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8	CO9
1	Engineering Mathematics - I	BTBS101	1.08	1.08	1.08	1.08	1.08				
2	Engineering Chemistry	BTBS102	2.20	2.20	2.36	2.36	2.36				
3	Engineering Mechanics	BTES103	2.36	2.36	2.36	2.36	2.36				
4	Computer Programming in C	BTES104	2.40	2.40	2.4	2.40	2.4				
5	Workshop Practices	BTES105	2.36	2.36	2.36	2.36					
6	Basic Electrical and Electronics Engineering	BTES106	2.97	2.96	2.95	2.96	2.95				
7	Engineering Chemistry Lab	BTBS107L	3.00	3.00	3.0	3.00					
8	Engineering Mechanics Lab	BTES108L	2.36	2.36	2.36	2.36					
9	Engineering Mathematics	BTBS201	1.08	1.08	1.08	1.08	1.08				


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	-II										
10	Engineering Physics	BTBS202	2.84	2.84	2.84	3.00	2.68				
11	Engineering Graphics	BTES203	1.70	1.65	1.65	1.68					
12	Communication Skills	BTHM204	2.20	2.28	2.36	2.36					
13	Energy and Environment Engineering	BTES205	1.69	1.63	1.62	1.70					
14	Basic Civil and Mechanical Engineering	BTES206	2.20	2.20	2.20	3.00	3.00				
15	Engineering Physics Lab	BTBS207L	1.88	2.04	1.88	1.72					
16	Engineering Graphics Lab	BTES208L	2.66	2.45	2.45	2.64					
17	Communication Skills Lab.	BTHM209L	2.68	2.52	2.68	2.68					
18	Seminar	BTES210S	3.00	3.00	3.00	3.00	3.00				
19	Internship – 1 Evaluation	BTES211P	2.96	2.94	2.95	2.94					
20	Engineering Mathematics – III	BTBS301	2.92	2.81	2.84	2.68	2.68				
21	Electronic Devices & Circuits	BTETC302	2.97	2.79	2.84	2.96					
22	Digital Electronics	BTETC303	2.87	2.79	2.96	2.96	2.97				
23	Electrical Machines	BTES304	2.89	2.87	2.87	2.88					



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	and Instruments										
24	Electronic Devices & Circuits Lab	BTETL305	2.96	2.95	2.95	2.94					
25	Digital Electronics Lab	BTETL306	2.96	2.95	2.95	2.94					
26	Seminar I	BTETS307	2.97	2.95	2.94	2.94					
27	Network Theory	BTETC401	1.51	1.51	1.51	1.42					
28	Signals and Systems	BTETC402	1.60	1.51	1.51	1.38					
29	Basic Human Rights	BTHM403	2.19	2.20	2.33	2.30					
30	Probability Theory and Random Processes	BTBS404	1.60	1.51	1.43	1.37					
31	(A) Numerical Methods and Computer Programmin g	BTETPE405	1.61	1.61	1.72	1.40	1.40				
32	Network Theory Lab & Signals and Systems Lab	BTETL406	2.96	2.95	2.95	2.97					
33	Seminar II	BTETL407	2.95	2.95	2.95	2.94					
34	Field Training/ Internship/In dustrial Training	BTEXF412	2.93	2.94	2.96	2.94					


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	Evaluation											
35	Electromagnetic Field Theory	BTEXC501	2.93	2.94	2.96	2.94	2.96	2.93	2.94	2.96	2.78	
36	Control System Engineering	BTEXC502	2.93	2.94	2.96	2.93						
37	Computer Architecture	BTETC503	2.93	2.96	2.94	2.96	2.94					
38	Digital Signal Processing	BTEXC504	2.93	2.78	2.80	2.94	2.96					
39	Microcontroller and its Applications	BTEXC505	2.93	2.96	2.94	2.94	2.96	2.96	2.94	2.80		
40	Introduction to MEMS	BTEXPE506D	2.85	2.80	2.94	2.88	2.94					
41	Control System Engineering Lab	BTETL507	2.93	2.94	2.96	2.94						
42	Digital Signal Processing Lab	BTETL508	2.93	2.94	2.96	2.94						
43	Microcontroller and its Applications Lab	BTETL509	2.93	2.94	2.96	2.94						
44	Mini Project	BTETP510	2.93	2.96	2.94	2.96						
45	Seminar	BTETS511	2.96	2.94	2.96	2.94						
46	Antennas and Wave Propagation	BTETC601	1.68	1.56	1.68							
47	Computer Network & Cloud	BTETC602	2.85	2.80	2.78	2.96	2.96	2.78	2.94	2.96		


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	Computing										
48	Digital Image Processing	BTETC603	1.65	1.52	1.66	1.68					
49	Power Electronics	BTETPE604C	2.30	2.32	2.30	2.32					
50	Project Management and Operation Research	BTETOE605C	2.96	2.86	2.96	2.94					
51	Employability & Skill Development	BTHM606	2.93	2.96	2.94	2.96					
52	Computer Network & Cloud Computing Lab	BTETL607	2.93	2.94	2.96	2.94					
53	Program Elective 2 Lab	BTETL608C	2.94	2.94	2.96	2.94					
54	Open Elective 1 Lab	BTETL609C	2.96	2.96	2.94	2.94					
55	Mini-project	BTETP610	2.94	2.96	2.94	2.96					
56	Field Training/ Internship/ Industrial Training Evaluation	BTETF611	2.94	2.95	2.94	2.95					
57	Digital Communication	BTETC701	2.88	2.79	2.79	2.94					
58	Satellite Communication	BTETPE702	2.96	2.95	2.95	2.97	2.94				


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	on										
59	Embedded System Design	BTETPE703A	2.88	2.79	2.95	2.95					
60	Soft Computing	BTETPE704C	2.88	2.87	2.87	2.81	2.81				
61	Financial Management	BTHM705	2.96	2.95	2.95	2.94	2.95	2.95			
62	Satellite Communication Lab	BTETL706C	2.96	2.95	2.95	2.94					
63	Embedded System Design Lab	BTETL707A	2.96	2.95	2.95	2.94					
64	Soft Computing Lab	BTETL708C	2.96	2.95	2.95	2.94					
65	Project Part I	BTETP709	2.95	2.94	2.95	2.95					
66	Introduction to Internet of Things	BTETPE801D	2.96	2.95	2.95	2.94	2.95				
67	Industrial Automation and Control	BTETPE802A	2.96	2.95	2.95	2.94	2.95				
68	Project Part-II	BTETP806	2.96	2.95	2.95	2.94					


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Table 2: PO Attainment for 2021-22

Sr. No	Course Code	POs											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	BTBS101	1.72	1.15	0.57	0.57								0.57
2	BTBS102	1.49	0.73	0.76			1.49	1.43					1.23
3	BTES103	2.36	2.36	1.89	2.05								2.36
4	BTES104	1.50	1.75	1.67	1.33	2.00	1.33	2.00	1.33	2.00	2.00	2.00	1.60
5	BTES105	1.56	1.56	1.56	0.78	2.33	1.56	1.57		1.56	1.56		1.56
6	BTES106	2.36	0.98	0.98		0.98			0.98				0.98
7	BTBS107L		0.83				1.12	0.98					1.12
8	BTES108L	2.36	2.36										2.36
9	BTBS201	0.72	0.72	0.36	0.36								0.36
10	BTBS202	1.44	1.44	0.72	1.44			0.72					0.91
11	BTES203	1.67	1.67	1.39	1.53	0.57							1.67
12	BTHM204								0.77	0.95	2.30	0.96	1.73
13	BTES205	1.66	1.52	1.38	1.38								1.66
14	BTES206	1.68	1.16	1.24	2.00		1.60	1.00					2.32
15	BTBS207L	1.25	1.25							0.63	0.63		1.25
16	BTES208L	2.55	2.33	2.33	2.11	1.92							2.55
17	BTHM209L								0.89	1.10	2.64	1.10	1.76
18	BTES210S	2.00		1.00			1.67	1.33	1.75	2.33	2.00		1.59
19	BTES211P	2.71		0.99			1.48		1.48	1.64	2.63	1.48	1.48
20	BTBS301	2.24	1.18	0.93	0.93	0.91							
21	BTETC302	1.98	1.98	1.49	1.98								1.73
22	BTETC303	0.97	0.97	2.90		2.97							0.97
23	BTES304	0.96	1.20	0.96	1.20								1.93
24	BTETL305	1.23	1.64	1.97	0.99					1.48			1.31
25	BTETL306	2.46	1.64	2.46	2.95			1.97		1.97	1.97		
26	BTETS307	1.73	0.99			2.48	0.99	1.98	0.99	2.23	2.48	1.49	2.72
27	BTETC401	0.76	0.62	1.01	0.50		0.47						0.99
28	BTETC402	1.04	0.99	1.03	1.00								0.89
29	BTHM403								1.50	1.50	1.50		0.75
30	BTBS404	0.49		0.48	0.65								0.87
31	BTETPE405	1.23	0.72	0.77	0.51	0.52							
32	BTETL406	2.71	1.97	2.47	2.22	0.99				1.97	0.99		0.99
33	BTETL407	2.29	0.98			2.46	0.98	1.97	0.98	2.21	2.46	1.48	2.70
34	BTEXF412	2.69		0.98			1.47		1.47	1.63	2.60	1.47	1.47
35	BTEXC501	1.22	1.29	1.35	1.45								1.94
36	BTEXC502	0.98	0.98	1.95	0.98								1.95
37	BTETC503	1.17		0.98		0.98							1.95
38	BTEXC504	2.88	2.30	2.94		1.87							1.73


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39	BTEXC505	1.20	1.17	1.20	1.30								1.94
40	BTEXPE506 D	2.89	2.31	2.90		1.94							2.51
41	BTETL507	1.95	2.20	2.28	1.22	2.28	1.30	1.47	0.98	0.98	0.98	0.98	1.30
42	BTETL508	1.71	2.20	2.20	2.28	1.95							
43	BTETL509	2.20	2.20	2.44	1.71	1.30	0.98						
44	BTETP510	0.98	2.93	1.95		2.44							1.30
45	BTETS511	2.30	0.99			2.47	0.99	1.97	0.99	2.22	2.47	1.48	2.71
46	BTETC601	0.57	1.07	0.57	0.84								1.12
47	BTETC602	1.53	0.99	0.99	0.99	0.99							1.95
48	BTETC603	0.92	0.55		0.55								1.10
49	BTETPE604 C	0.97	1.55	1.55	0.77								1.55
50	BTETOE605 C	0.99	1.97	0.99	0.99								1.97
51	BTHM606		0.99		1.97		0.99			2.48	2.49	2.96	1.99
52	BTETL607	1.47	1.22	2.93	0.98	1.95							
53	BTETL608C	2.44	2.20	1.95	2.28	2.28						1.47	1.30
54	BTETL609C		1.96			0.98			0.98			2.93	1.96
55	BTETP610	0.98	2.94	1.96		2.45							1.31
56	BTETF611	2.70		0.98			1.48		1.48	1.64	2.62	0.98	1.48
57	BTETC701	1.86	1.89	1.91	1.42	1.91							1.66
58	BTETPE702 C	1.38	1.97		0.99								1.97
59	BTETPE703 A	1.44		2.55	0.98	0.98							1.68
60	BTETPE704 C	0.95		0.94	1.42	0.96							1.90
61	BTHM705	0.99			0.99	0.99						1.81	1.97
62	BTETL706C	0.99	0.99		0.99	1.97							1.97
63	BTETL707A	0.98	1.97	1.23		1.97							1.97
64	BTETL708C	2.46	0.98	2.95	1.97	1.97	0.98	0.98	0.98	1.97			1.97
65	BTETP709	0.98	2.95	1.97		2.46							1.31
66	BTETPE801 D	2.95	2.56	2.36									1.97
67	BTETPE802 A	2.93	2.44	2.42		2.63	1.97	1.97					1.95
68	BTETP806	0.99	2.96	1.97		2.47							1.32
	Direct Attainment	1.66	1.60	1.60	1.31	1.77	1.27	1.52	1.18	1.67	2.02	1.61	1.63


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Electronics & Telecommunication Engg.
Yashoda Technical Campus, Satara



YSPM's
Yashoda Technical Campus, Satara
 Faculty of Engineering
Electrical Engineering Department

Attainment Summary for Academic Year 2021-22

1. Program level course PO matrix of all courses including first year courses

Course Code	POs											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BTBS101	3.00	2.40	1.00	1.00	1.00	-	-	-	-	-	-	-
BTBS102	2	1	1	-	-	2	2	-	-	-	-	1.8
BTES103	3.0	3.0	2.4	2.6	-	-	-	-	-	-	-	3.0
BTHM104	1.5	1.75	1.67	1.33	2	1.33	2	1.33	2	2	2	1.6
BTES105	2.00	2.00	2.00	1.00	3.00	2.00	2.00	-	2.00	2.00	-	2.00
BTES106	2.4	1	1	-	1	-	-	1	-	-	-	1
BTBS107L	-	1.5	-	-	-	2	1.75	-	-	-	-	2
BTES108L	3.00	3.00	-	-	-	-	-	-	-	-	-	3.00
BTBS201	2.60	1.60	1.00	1.00	1.00	-	-	-	-	-	-	-
BTBS202	2	2	1	2	-	-	1	-	-	-	-	1.4
BTES203	3.00	3.00	2.50	2.75	1.00	-	-	-	-	-	-	3.00
BTES204	-	-	-	-	-	-	-	1.00	1.25	3.00	1.25	2.25
BTES205	3.00	2.75	2.50	2.50	-	-	-	-	-	-	-	3.00
BTES206	2.00	1.25	1.75	1.33	1.00	1.50	1.67	-	-	-	-	2.40
BTBS207L	2	2	-	-	-	-	-	-	1	1	-	2
BTES208L	3.00	2.75	2.75	2.50	2.25	-	-	-	-	-	-	3.00
BTES209L	-	-	-	-	-	-	-	1.00	1.25	3.00	1.25	2.00



BTES210S	2	-	1	-	-	1.67	1.33	1.67	2.33	2	-	1.6
BTBS301	2.00	2.00	1.00	1.00	-	-	-	-	-	-	-	1.00
BTEEC302	2.40	2.20	2.20	2.00	1.00	1.00	2.00	-	-	-	-	
BTEEC303	2.60	2.80	2.00	2.00	3.00	-	-	-	-	-	-	2.20
BTES305	2.00	2.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00
BTEEL306	1.00		2.00	1.00	-	-	2.00	-	-	1.50	-	1.00
BTEEL307	2.50	3.00	2.00	-	-	-	-	-	-	-	-	2.00
BTEEP308	1.00	3.00	2.00	-	2.50	-	-	-	-	-	-	1.33
BTES211P	1.5	-	2	-	-	-	-	-	-	1.5	-	1.44
BTEEC401	2.80	2.40	-	1.50	2.00	-	-	-	-	-	-	1.00
BTEEC402	2.67	2.50	-	1.50	2.00	-	-	-	-	-	-	-
BTEEC403	2.67	2.67	2.00	2.00	3.00	-	-	-	-	-	-	-
BTBS404	2.50	2.25	2.75	2.00	-	2.00	-	-	-	-	-	1.75
BTEEPE405	2.00	-	-	1.00	1.00	1.00	1.00	-	-	-	-	-
BTEEL406	2.67	2.33	2.67	3.00	-	-	-	-	-	1.00	-	-
BTEEL407	2.50	1.50	2.00	1.00	2.00	1.00	-	-	1.00	2.00	2.00	1.50
BTEEL408	2.00	2.00	2.00	2.00	2.00	-	-	-	-	-	-	-
BTEEL409	1.50	1.50	2.00	1.00	2.00	-	-	-	1.00	-	-	
BTEEC501	2.67	2.67	2.00	2.00	3.00	-	-	-	-	-	-	2.33
BTEEC502	2.78	1.83	2.45	1.90	-	-	-	-	-	-	-	2.68
BTEEC503	2.33	2.00	2.00	2.00	2.00	1.00	-	1.00	1.00	1.00	2.00	1.00
BTEEPLE504	3.00	2.67	-	-	2.00	-	1.00	1.00	-	2.00	-	2.00
BTEEOE505	1.67	-	2.50	-	2.33	2.00	2.00	-	-	-	2.00	1.00
BTHM506	1.50	-	-	-	-	1.00	-	-	-	-	-	1.00
BTEEL507	2.50	2.00	2.00	2.00	2.00	-	-	-	-	-	-	
BTEEL508	2.00	2.00	2.00	-	-	-	-	-	-	-	-	1.00
BTEEL509	3.00	2.50	2.50	2.00	2.00	1.00	-	-	2.00	1.00	3.00	2.00



BTEEP510	2.75		1.00			1.50		1.50	1.66	2.66	1.50	1.50
BTEEC601	2.33	2.02	2.17	1.72	1.55	-	-	-	-	-	-	1.39
BTEEC602	2.00	2.00	2.00	2.00	1.00	1.00	2.00	-	-	-	-	-
BTEEC603	3.00	2.25	2.00	-	2.00	-	-	-	-	-	-	1.75
BTEEP604	3.00	2.00	3.00	2.50	1.00	1.00	-	-	-	-	-	-
BTEEOE605	3.00	2.00	2.50	2.67	-	-	-	-	-	-	-	-
BTEEL606	2.75	2.06	2.38	2.39	1.33	1.00	2.00	-	-	-	-	-
BTEEL607	2.18	1.81	2.18	1.46	1.09	-	-	-	-	-	-	1.08
BTEEL608	2.67	1.67	2.00	1.00	2.00	1.00	-	1.00	2.00	2.00	-	1.67
BTEEM609	3.00	2.00	3.00	2.50	-	-	-	-	-	-	-	-
BTEEC701	2.00	1.60	1.60	1.75	-	-	-	-	-	-	-	-
BTEEC702	3.00	3.00	3.00	-	-	-	2.00	-	-	-	1.00	-
BTEEC703	2.00	1.60	1.60	1.75	-	-	-	-	-	-	-	-
BTEEE704	3.00	2.33	1.75	-	-	-	-	-	-	2.00	1.40	1.00
BTEEE705	2.50	2.00	1.50	1.00	2.00	-	-	-	-	-	-	1.25
BTEEL706	2.00	1.50	1.50	1.50	-	-	-	-	-	-	-	-
BTEEL707	3.00	3.00	-	3.00	-	-	3.00	-	3.00	3.00	1.00	-
BTEEL708	2.50	1.50	2.00	1.00	-	1.00	-	-	-	-	-	3.00
BTEES709	2.33	1.00	-	-	2.50	1.00	2.00	1.00	2.25	2.50	1.50	2.75
BTEEP710	1.00	2.00	2.00	-	2.50	-	-	-	-	-	-	1.33
BTEEF711	2.75	-	1.00	-	-	1.50	-	1.50	1.66	2.66	1.50	1.50
DC Power Transmission Systems	3.00	2.00	1.00	1.00	-	1.50	2.00	1.00	1.00	2.00	2.00	3.00
Introduction to Industry 4.0 and Industrial Internet of Things	3.00	1.67	1.00	1.00	-	1.00	-	1.00	1.00	1.00	1.00	2.00



BTEEP803	1.00	2.00	2.00	-	2.50	-	-	-	-	-	-	1.75
Targeted Direct Attainment	1.90	1.68	1.53	1.39	1.48	1.07	1.46	0.92	1.29	1.56	1.30	1.45
Targeted Indirect Attainment	0.47	0.42	0.38	0.35	0.37	0.27	0.36	0.23	0.32	0.39	0.33	0.36
Targeted PO Attainment	2.37	2.10	1.91	1.74	1.85	1.33	1.82	1.15	1.61	1.94	1.63	1.82

2. Program level course-PSO matrix of all courses including first year courses

Course Code	PSOs		
	PSO1	PSO2	PSO3
BTBS101	1.00	1	1
BTBS102	1	1	1
BTES103	3.0	2.0	-
BTHM104	1	1	1
BTES105	2.00	1.00	1.00
BTES106	2.4	1	1
BTBS107L	-	-	2
BTES108L	2.00	2.00	-
BTBS201	1.00	1	-
BTBS202	1	-	-
BTES203	2.00	1.00	2.25
BTES204	-	1.00	-
BTES205	2.50	2	2.75
BTES206	1.40	1.50	1.20
BTBS207L	2	-	-
BTES208L	3.00	2.75	2.25




BTES209L	-	1.00	-
BTES210S	-	-	-
BTBS301	1.00	-	-
BTEEC302	3.00	-	2.00
BTEEC303	2.02	-	-
BTES305	-	-	-
BTEEL306	1.00	1.00	-
BTEEL307	1.00	1.00	1.00
BTEEP308	2.25	-	1.50
BTES211P	1.42	1	1.25
BTEEC401	2.80	1.00	1.00
BTEEC402	2.67	1.00	1.00
BTEEC403	2.00	1.00	-
BTBS404	2.00	1.67	1.33
BTEEPE405	1.00	1.00	1.00
BTEEL406	3.00	1.00	1.00
BTEEL407	3.00	1.00	1.00
BTEEL408	2.00	2.00	-
BTEEL409	2.33	2.00	1.50
BTEEC501	2.00	1.00	-
BTEEC502	3.00	3.00	1.00
BTEEC503	2.00	1.00	1.00
BTEEPLE504	2.00	3.00	1.00
BTEEOE505	1.25	2.00	1.00
BTEEL507	2.00	1.00	-
BTEEL508	1.00	1.00	1.00
BTEEL509	2.00	1.00	1.00



BTEEP510	1.00	1.00	2.00
BTEEC601	1.80	1.00	1.00
BTEEC602	1.73	0.77	0.77
BTEEC603	3.00	-	-
BTEEP604	2.50	1.00	1.00
BTEEOE605	1.00	1.00	1.00
BTEEL606	2.25	1.00	1.00
BTEEL607	1.00	1.00	1.00
BTEEL608	1.00	1.00	1.00
BTEEM609	3.00	1.00	1.00
BTEEC701	1.80	1.00	1.00
BTEEC702	3.00	3.00	3.00
BTEEC703	1.80	1.00	1.00
BTEEE704	1.00	1.00	1.00
BTEEE705	1.75	1.00	1.00
BTEEL706	2.50	1.00	1.00
BTEEL707	3.00	3.00	3.00
BTEEL708	2.00	1.50	1.00
BTEES709	1.50	-	-
BTEEP710	2.25	-	1.50
BTEEF711	1.00	1.00	2.00
DC Power Transmission Systems	2.50	2.00	1.50
Introduction to Industry 4.0 and Industrial Internet of Things	3.00	2.00	2.00
BTEEP803	2.25	-	1.50



Targeted Direct Attainment	1.56	1.08	1.07
Targeted Indirect Attainment	0.39	0.27	0.27
Targeted PSO Attainment	1.95	1.36	1.33


HOD- Electrical



PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BTBS101	2.70	2.31	0.96	1.00	0.98	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BTBS102	1.10	0.57	0.73	PO4	PO5	1.10	1.23	PO8	PO9	PO10	PO11	0.83
BTBS107L	PO1	0.86	PO3	PO4	PO5	1.15	1.00	PO8	PO9	PO10	PO11	1.15
BTBS201	2.05	1.27	0.80	0.80	0.80	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BTBS202	1.44	1.44	0.72	1.44	PO5	PO6	0.72	PO8	PO9	PO10	PO11	0.91
BTBS207L	1.47	1.47	PO3	PO4	PO5	PO6	PO7	PO8	0.73	0.73	PO11	1.47
BTBS210S	1.50	PO2	0.73	PO4	PO5	1.24	1.00	1.30	1.76	1.51	PO11	1.21
BTBSC301	1.56	1.56	0.78	0.78	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.78
BTES103	1.62	1.62	1.29	1.42	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.62
BTES104	1.43	1.65	1.57	1.27	1.89	1.27	1.90	1.27	1.90	1.90	1.90	1.52
BTES105L	0.93	0.93	0.93	0.47	1.40	0.93	0.23	PO8	0.93	0.93	PO11	0.93
BTES106	2.38	1.00	1.00	PO4	1.00	PO6	PO7	1.00	PO9	PO10	PO11	1.00
BTES108L	1.72	1.72	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.72
BTES203	2.22	1.52	0.93	1.55	0.64	PO6	PO7	PO8	PO9	PO10	PO11	0.76
BTES205	0.92	0.84	0.77	0.77	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.92
BTES206	1.57	0.98	0.80	0.93	PO5	1.73	0.47	PO8	PO9	PO10	PO11	2.27
BTES208L	1.58	1.11	0.78	1.14	0.51	PO6	PO7	PO8	PO9	PO10	PO11	0.56
BTES211P	2.95	0.98	0.98	PO4	PO5	1.97	PO7	0.98	PO9	PO10	2.95	2.46
BTMH204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	0.73	0.92	2.20	0.92	1.58
BTMH209L	PO1	PO2	PO3	PO4	PO5	PO6	PO7	0.70	0.84	2.04	0.86	1.54
BTMH3401	PO1	PO2	PO3	PO4	PO5	1.99	PO7	1.95	2.94	1.95	PO11	0.99
BTMH3402	PO1	PO2	PO3	PO4	PO5	PO6	PO7	0.93	0.98	1.91	PO11	1.75
BTID405	2.98	2.92	1.43	0.97	2.39	1.93	1.58	1.88	1.88	0.94	PO11	0.97
BTID506	2.85	2.86	1.44	0.95	2.39	1.91	1.59	1.91	1.91	0.95	PO11	0.95
BTMEC302	0.81	0.75	0.85	1.04	0.95	0.56	0.93	0.57	0.56	0.56	PO11	PO12
BTMEC303	2.83	3.00	0.50	0.67	0.50	PO6	PO7	PO8	PO9	PO10	PO11	1.00
BTMEC304	1.56	1.14	PO3	PO4	0.87	PO6	PO7	PO8	1.99	1.21	PO11	0.90
BTMEC305	1.18	1.18	0.95	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	
BTMEC401	0.78	0.68	0.62	PO4	0.61	0.61	PO7	PO8	PO9	0.61	PO11	0.61

BTMEC402	0.99	0.98	PO3	1.70	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2.50
BTMEC403	0.63	0.95	1.42	1.70	PO5	0.95	PO7	0.95	PO9	PO10	PO11	1.74
BTMEC404	2.85	2.85	2.75	0.95	2.85	2.28	PO7	PO8	PO9	PO10	PO11	1.63
BTMEC501	2.60	2.09	2.84	1.42	1.30	PO6	1.93	PO8	0.97	PO10	PO11	PO12
BTMEC502	0.95	1.54	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BTMEC503	1.70	1.54	1.75	0.91	PO5	1.10	PO7	0.92	PO9	0.75	PO11	0.92
BTMEC504	1.99	2.65	0.97	2.00	1.95	PO6	0.99	PO8	PO9	1.95	PO11	2.59
BTMEC505	0.57	1.04	1.04	1.53	1.03	1.34	PO7	1.72	1.72	PO10	1.43	1.11
BTMEC506A	0.65	0.70	0.93	0.93	0.47	0.62	0.93	PO8	PO9	PO10	PO11	PO12
BTMEC601	2.19	1.95	1.16	1.63	2.25	PO5	1.21	1.44	PO9	PO10	PO11	0.73
BTMEC602	1.87	1.57	1.80	0.93	PO5	1.12	PO7	0.93	PO9	0.92	PO11	0.93
BTMEC603	1.54	1.68	1.26	2.10	1.68	0.84	1.26	PO8	0.84	PO10	PO11	PO12
BTMEC604B	1.17	1.42	1.79	1.89	0.93	1.79	0.95	PO8	PO9	PO10	PO11	PO12
BTMEC605C	1.59	1.60	2.90	0.95	1.86	2.79	2.76	2.31	1.89	1.56	PO11	1.62
BTMEC606	0.33	0.35	0.32	0.39	0.23	0.37	PO7	PO8	PO9	PO10	PO11	PO12
BTMEC701	2.18	1.98	1.67	1.98	2.81	2.47	1.58	1.00	2.23	1.00	0.97	2.17
BTMEC702	2.41	1.59	1.32	2.97	1.24	PO6	PO7	PO8	PO9	PO10	PO11	0.98
BTMEC703	1.26	1.26	1.14	PO4	1.93	0.95	0.94	PO8	PO9	PO10	PO11	0.97
BTMEC704E	2.24	1.87	1.10	2.66	PO5	PO6	2.68	PO8	0.97	PO10	PO11	PO12
BTMEC705C	2.99	2.74	1.33	1.00	2.49	1.99	1.66	1.99	1.99	1.00	PO11	1.00
BTMEC801A	1.80	1.95	PO3	PO4	2.00	PO6	3.00	PO8	PO9	PO10	PO11	PO12
BTMEC801F	0.53	0.53	1.02	1.24	1.18	0.53	0.51	1.21	0.53	PO10	PO11	0.53
BTMEF310	PO1	0.87	0.87	PO4	PO5	1.73	PO7	0.87	PO9	PO10	PO11	2.21
BTMEF511	PO1	0.97	0.97	PO4	PO5	1.95	PO7	0.97	PO9	PO10	2.60	2.42
BTMEF710	PO1	0.87	0.87	PO4	PO5	1.73	PO7	0.87	PO9	PO10	2.60	2.10
BTMEL307	0.98	0.98	1.98	2.30	0.98	0.66	PO7	0.99	PO9	PO10	PO11	1.97
BTMEL308	0.98	0.98	0.98	2.95	0.98	PO6	PO7	PO8	0.98	1.97	PO11	0.98
BTMEL309	1.71	0.86	0.86	PO4	1.00	PO6	PO7	PO8	1.28	1.05	PO11	1.02
BTMEL407	0.88	0.67	PO3	2.01	0.67	PO6	0.67	PO8	0.67	1.25	PO11	0.67
BTMEL408	1.18	1.05	2.36	1.84	PO5	0.79	PO7	PO8	2.36	PO10	PO11	0.79
BTMEL409	0.56	1.12	0.98	0.93	1.68	PO6	1.68	1.68	1.68	1.40	1.68	1.12
BTMEL410	2.66	2.66	2.66	0.89	2.66	2.22	PO7	PO8	PO9	PO10	PO11	1.55
BTMEL507	2.63	2.96	PO3	2.96	1.97	PO6	1.97	PO8	PO9	PO10	PO11	PO12
BTMEL508	0.62	0.47	0.82	0.47	0.47	PO6	PO7	PO8	PO9	PO10	PO11	0.93
BTMEL509	1.63	1.78	1.61	1.13	PO5	0.83	1.08	0.80	1.21	1.60	1.55	1.20

HOD Technical

BTMEL510	2.13	2.37	0.47	2.37	2.37	PO6	1.89	PO8	PO9	PO10	PO11	2.13
BTMEL607	0.49	0.49	1.97	2.30	0.49	0.98	PO7	0.49	PO9	PO10	PO11	1.97
BTMEL608	1.46	1.61	1.49	PO4	PO5	0.63	0.96	0.71	0.94	1.25	1.25	0.98
BTMEL609	0.98	1.31	PO3	1.97	0.98	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BTMEL610	0.95	1.26	PO3	1.89	0.95	PO6	PO7	PO8	PO9	PO10	PO11	PO12
BTMEL706	1.64	1.97	1.97	0.99	1.31	1.97	0.98	PO8	PO9	1.96	PO11	1.48
BTMEL707	1.33	1.20	2.99	2.59	2.79	2.99	2.19	PO3	2.99	PO10	PO11	1.00
BTMEL708	0.78	1.56	1.37	1.30	2.35	PO6	2.35	2.35	2.35	1.96	2.35	1.57
BTMEM611	0.37	0.73	1.10	0.98	0.49	PO6	0.73	PO3	PO9	PO10	PO11	0.73
BTMEP711	1.00	1.00	1.99	1.99	1.99	1.00	1.00	1.00	1.00	1.33	1.66	1.00
BTMEP803	1.00	1.00	1.99	1.49	1.66	1.33	1.49	1.00	PO9	1.99	PO11	1.00
BTMES709	1.47	PO2	0.73	PO4	PO5	0.73	0.73	PO8	1.47	1.22	PO11	1.47

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	1.81	1.72	1.60	1.73	1.71	1.68	1.65	1.53	1.74	1.66	2.04	1.62
Direct Attainment	1.54	1.43	1.30	1.46	1.42	1.38	1.35	1.21	1.46	1.37	1.83	1.31
Indirect Attainment	2.88	2.89	2.81	2.81	2.88	2.87	2.85	2.82	2.88	2.83	2.88	2.84

PSO Attainment

Course	PSO1	PSO2
BTBS101	0.97	0.95
BTBS102	0.84	0.52
BTBS201	0.80	0.80
BTBS202	0.72	PSO2
BTBS207L	1.47	PSO2
BTBS210S	PSO1	PSO2
BTBSC301	0.78	PSO2
BTES103	1.62	1.08
BTES104	0.95	0.95
BTES105L	0.93	0.47
BTES106	PSO1	PSO2
BTES107L	PSO1	PSO2
BTES108L	1.72	1.15
BTES203	1.15	1.15
BTES205	0.76	0.63

BTES206	1.39	1.57
BTES208L	0.85	0.85
BTES211P	1.97	0.98
BTHM204	PSO1	PSO2
BTHM209L	PSO1	PSO2
BTHM3401	1.96	0.97
BTHM3402	0.91	PSO2
BTID405	1.93	1.29
BTID506	1.91	1.28
BTMEC302	1.52	0.89
BTMEC303	1.00	0.60
BTMEC304	2.20	1.98
BTMEC305	0.95	1.89
BTMEC401	1.57	0.88
BTMEC402	PSO1	PSO2
BTMEC403	1.66	2.37
BTMEC404	2.28	2.28
BTMEC501	1.46	1.89
BTMEC502	1.87	0.93
BTMEC503	1.74	1.95
BTMEC504	1.99	1.96
BTMEC505	1.64	1.06
BTMEC506A	0.93	1.17
BTMEC601	1.70	1.65
BTMEC602	1.75	2.50
BTMEC603	1.12	0.98
BTMEC604B	1.11	1.37
BTMEC605C	2.12	1.52
BTMEC606B	0.45	0.30
BTMEC701	PSO1	PSO2
BTMEC702	1.68	2.29
BTMEC703	2.85	1.90
BTMEC704E	1.28	1.36
BTMEC705C	1.99	1.74
BTMEC801A	1.74	1.95

BTMEC801F	1.58		0.93	
BTMEF310	1.73		0.95	
BTMEF511	1.95		0.47	
BTMEF710	1.73		0.73	
BTMEL307	2.96		1.99	
BTMEL308	0.98		1.37	
BTMEL309	1.94		1.70	
BTMEL407	2.01		1.34	
BTMEL408	PSO1		PSO2	
BTMEL409	0.98		1.40	
BTMEL410	2.22		2.22	
BTMEL507	1.97		1.99	
BTMEL508	0.75		0.93	
BTMEL509	1.39		1.55	
BTMEL510	1.66		2.37	
BTMEL607	2.95		1.97	
BTMEL608	1.36		1.26	
BTMEL609	1.73		2.46	
BTMEL610	1.18		1.42	
BTMEL706	2.70		2.62	
BTMEL707	PSO1		PSO2	
BTMEL708	1.37		1.96	
BTMEM611	0.86		0.92	
BTMEP711	2.24		2.74	
BTMEP803	1.99		2.65	
BTMES709	PSO1		PSO2	

PSO Attainment Level

Course	PSO1	PSO2	PSO2
CO Attainment	1.80	1.72	
Direct Attainment	1.55	1.45	
Indirect Attainment	2.80	2.81	

Sr. No.	PRN	Name of Student	CO Mapped		COS	
			Marks	5	CO1	CO2
1	PRN 1967571612001	Avind Arjun Barge		4.0	4.0	4.0
2	PRN 1967571612002	Dhruval Suraj Namaso		3.5	3.5	3.5
3	PRN 1967571612003	Chavan Prashant Lladhar		3.5	3.5	3.5
4	PRN 1967571612004	Kadam Ganesh Vikram		4.0	4.0	4.0
5	PRN 1967571612005	Patel Irfad Abduljabbar		4.5	4.5	4.5
6	PRN 1967571612006	Shinde Krunal Netaji		4.5	4.5	4.5
7	PRN 1967571612007	Patil Jaydeep Jaywant		4.5	4.5	4.5
8	PRN 1967571612009	Patil Ankita Tanaji		4.5	4.5	4.5
9	PRN 1967571612010	Yadav Shubham Sandip		3.0	3.0	3.0
10	PRN 1967571612011	Bobade Sonali Balkrishna		3.0	3.0	3.0
11	PRN 1967571612012	Bobade Nikhil Balkrishna		2.0	2.0	2.0
12	PRN 1967571612014	Jadhav Jyoti Madhukar		4.0	4.0	4.0
13	PRN 1967571612015	Honnare Segar Adinath		3.5	3.5	3.5
14	PRN 1967571612016	Kadam Sanket Sanjay		3.0	3.0	3.0
15	PRN 1967571612017	Mujawar Mohsin Raashid		3.5	3.5	3.5
16	PRN 1967571612018	Jadhav Aniket Madhukar		3.5	3.5	3.5
17	PRN 1967571612019	Phadatar Pratik Pralaps		4.0	4.0	4.0
18	PRN 1967571612020	Kokate Adinath Sanjay		3.5	3.5	3.5
19	PRN 1967571612021	Awale Pradip Balwant		4.0	4.0	4.0
20	PRN 1967571612022	Thorbole Dayanand Ramchandra		3.5	3.5	3.5
21	PRN 1967571612023	Mone Swarnand Ajit		4.5	4.5	4.5
22	PRN 1967571612024	Shaikh Munna Raju		3.5	3.5	3.5
23	PRN 1967571612025	Sawant Sanket Rajendra		4.5	4.5	4.5
24	PRN 1967571612026	Kadam Vikas Shivaji		4.5	4.5	4.5
25	PRN 1967571612027	Chavan Sachin Dagadu		4.5	4.5	4.5
26	PRN 1967571612028	Nikam Ashutosh Prithviraj		4.0	4.0	4.0
27	PRN 1967571612030	Ayare Alish Rajaram		4.0	4.0	4.0
28	PRN 1967571612031	Taware Anil Dasthath		4.0	4.0	4.0
29	PRN 1967571612032	Mule Sonali Satish		3.5	3.5	3.5
30	PRN 1967571612033	Wadkar Saurabh Jagannath		4.5	4.5	4.5
31	PRN 1967571612034	Rathod Sunil Rupsing		4.5	4.5	4.5
32	PRN 1967571612035	Panhalakar Pratik Sukhadev		3.0	3.0	3.0
33	PRN 1967571612036	Marathia Ramesh Manaji		3.5	3.5	3.5
34	PRN 1967571612037	Patil Nihal Vilas		3.5	3.5	3.5
35	PRN 1967571612038	Kadam Siddhesh Pradeep		4.5	4.5	4.5
36	PRN 1967571612039	Bhannage Omkar Gulab		4.5	4.5	4.5
37	PRN 1967571612040	Jadhav Vikas Arjun		3.0	3.0	3.0
38	PRN 1967571612041	Shaikh Mohamadsaad Ansar		3.5	3.5	3.5
39	PRN 1967571612042	Kashid Pratik Viththal		3.5	3.5	3.5
40	PRN 1967571612043	Pawar Pratik Dasthath		4.5	4.5	4.5
41	PRN 1967571612045	Vaikunde Subhant Haribhau		4.0	4.0	4.0
42	PRN 1967571612046	Dange Akash Balaso		4.0	4.0	4.0

43	PRN:1967571612047	Patil Shipa Harishchandra	3.5	3.5
44	PRN:1967571612048	Ghadage Ajay Suresh	4.0	4.0
45	PRN:1967571612049	Sathe Mahesh Jaykar	3.5	3.5
46	PRN:1967571612051	Shelar Shraddha Maruti	4.5	4.5
47	PRN:1967571612052	Berge Rohit Deelip	3.0	3.0
48	PRN:19675720171161210002	Pewar Karan Rajendra	4.5	4.5
49	PRN:19675720171161210003	Jadhav Hrishikesh Rajesh	4.0	4.0
50	PRN:19675720171161210020	Gaikwad Abhijeet Ashok	4.5	4.5
51	PRN:19675720171161210022	Gore Rohit Ranjeet	4.5	4.5
52	PRN:19675720181161210001	Suryawanshi Akehay Adhik	4.0	4.0
53	PRN:19675720181161210002	Desai Prathamesh Vinayak	4.0	4.0
54	PRN:19675720181161210003	Ingale Omkar Shashikant	4.5	4.5
55	PRN:19675720181161210004	Zunzarao Prathimesh Pramod	4.5	4.5
56	PRN:19675720181161210005	Kalkar Prathamesh Rangrao	4.5	4.5
57	PRN:19675720181161210006	Jadhav Mahesh Balavant	4.5	4.5
58	PRN:19675720181161210007	Jadhav Kedar Chandrakant	4.0	4.0
59	PRN:19675720181161210008	Gurav Akash Vijay	4.0	4.0
60	PRN:19675720181161210010	Wakhekar Ashwini Anil	4.5	4.5
61	PRN:19675720181161210011	Nanaware Nikhil Vasudev	4.5	4.5
62	PRN:19675720181161210013	More Harish Chandrakant	4.5	4.5
63	PRN:19675720181161210014	Jadhav Swapnil Udayasing	3.5	3.5
64	PRN:19675720181161210015	Nikam Pramita Dattatray	4.0	4.0
65	PRN:19675720181161210016	Nikam Mahesh Appaso	4.0	4.0
66	PRN:19675720181161210055	Chavan Darshan Satish	4.5	4.5
67	PRN:19675720181161210064	Sukate Omkar Subhash	3.5	3.5
68	PRN:19675720181161210065	Dhamal Dipali Rajendra	3.5	3.5
69	PRN:19675720181161211001	Pardeshi Ganesh Jayram	4.5	4.5
70	PRN:19675720181161211003	Kadam Akshay Pralhad	3.5	3.5
			Average Marks	4
			No. of students above Average Marks	44
			% of Students above Average Marks	62.86
			Level	3

Table-E 3.2.2 Sample Calculation for Continuous Assessment-1 Evaluation

Sr. No.	PRN	Name of Student	COs															
			Question No. --		1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2			
		CO Mapped --	CO1	CO2	CO1	CO1	CO1	CO1	CO2	CO1	CO1	CO1	CO1	CO2	CO2			
		Marks --	1	1	1	1	1	1	1	1	1	1	1	1	1			
1	PRN:1967571612001	Arvind Arjun Barge	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	PRN:1967571612002	Dhumal Suraj Nanaso	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	PRN:1967571612003	Chavan Prashant Liladhar	1	1	1	1	1	1	1	1	1	1	1	1	1			
4	PRN:1967571612004	Kadam Ganesh Vikram	0	1	1	1	1	1	1	1	1	1	1	1	1			
5	PRN:1967571612005	Patel Irshad Abdujabbar	1	1	1	1	1	1	1	1	1	1	1	1	1			
6	PRN:1967571612006	Shinde Kunal Netaji	1	1	1	1	1	1	1	1	1	1	1	1	1			
7	PRN:1967571612007	Patil Jaydeep Jaywant	1	1	1	1	1	1	1	1	1	1	1	1	1			
8	PRN:1967571612009	Patil Anika Tanaji	1	1	1	1	1	1	1	1	1	1	1	1	1			
9	PRN:1967571612010	Yadav Shubham Sandip	1	1	1	1	1	1	1	1	1	1	1	1	1			
10	PRN:1967571612011	Bobade Sonali Balkrishna	1	0	0	1	0	1	0	0	1	2	1.5	5	1			
11	PRN:1967571612012	Bobade Nikhil Balkrishna	1	0	0	1	0	1	0	0	1	1.5	1.5	1	1			

60	PRN 51675720181161210010	Waikekar Ashwini Anil	1	1	1	1	0	1	1	1	2.5	3	7	5
61	PRN 51675720181161210011	Nanaware Nikhil Vasudev	1	0	1	0	1	1	1	1		3	3	
62	PRN 51675720181161210013	More Harish Chandrakant	1	1	1	0	1	1	1	1	2.5		3	
63	PRN 51675720181161210014	Jadhav Swapnil Udaysing	1	1	1	0	1	1	1	1	2.5		0	
64	PRN 51675720181161210015	Nikam Pranita Dattatray	1	1	1	0	1	1	1	1	2.5	1	1	3
65	PRN 51675720181161210016	Nikam Mahesh Appaso	1	1	1	0	1	1	1	1	1.5	0		1
66	PRN 51675720181161210055	Chavan Darshan Satish	0	1	1	0	1	1	1	1	2.5	3	6.5	
67	PRN 51675720181161210064	Sukate Omkar Subhash	0	1	1	0	1	1	1	1	2.5		2	
68	PRN 51675720181161210065	Dhamal Dipali Rajendra	0	0	0	0	0	0	0	0	2.5		4	
69	PRN 51675720181161210001	Pardeshi Ganesh Jayram	0	1	1	0	1	1	1	0	1.5	3		5
70	PRN 51675720181161210003	Kadam Akshay Pralhad	0	1	1	0	1	1	0	2	0	3		4
			Average Marks	0.7	0.89	0.86	0.11	0.87	0.73	1.82	1.77	2.12	2.83	3.59
			No. of students above Average Marks	49	62	60	8	61	51	33	29	24	19	11
			% of Students above Average Marks	70	88.57	85.71	11.43	87.14	72.86	47.83	43.94	35.29	27.14	16.18
			Level	3	3	3	0	3	3	1	1	0	0	0

Table-F 3.2.2 Sample Calculation for Mid-Semester Examination Evaluation

Continuous Assessment -2 Evaluation

Sr. No.	PRN	Name of Student	CO Mapped			COs			
			Marks	CO3	CO4	CO5	CO3	CO4	CO5
1	PRN 1967571612001	Arvind Arjun Barge		3.33	3.33	3.34	2.67	2.67	2.67
2	PRN 1967571612002	Dhumal Suraj Nanaso		2.33	2.33	2.33	2.33	2.33	2.33
3	PRN 1967571612003	Chavan Prashant Lladhar		2.67	2.67	2.67	2.67	2.67	2.67
4	PRN 1967571612004	Kadam Ganesh Vikram		2.67	2.67	2.67	2.67	2.67	2.67
5	PRN 1967571612005	Patel Ishad Abouljabbar		2.67	2.67	2.67	2.67	2.67	2.67
6	PRN 1967571612006	Shinde Krunal Netaji		2.67	2.67	2.67	2.67	2.67	2.67
7	PRN 1967571612007	Patil Jaydeep Jaywant		2.67	2.67	2.67	2.67	2.67	2.67
8	PRN 1967571612009	Patil Ankita Tanaji		3	3	3	3	3	3
9	PRN 1967571612010	Yadav Shubham Sandip		2.33	2.33	2.33	2.33	2.33	2.33
10	PRN 1967571612011	Bobade Sonali Balkrishna		2.67	2.67	2.67	2.67	2.67	2.67
11	PRN 1967571612012	Bobade Nikhil Balkrishna		1.33	1.33	1.33	1.33	1.33	1.33
12	PRN 1967571612014	Jadhav Jyoti Madhukar		2.67	2.67	2.67	2.67	2.67	2.67
13	PRN 1967571612015	Honnane Sagar Adinath		2.33	2.33	2.33	2.33	2.33	2.33
14	PRN 1967571612016	Kadam Sanket Sanjay		2.33	2.33	2.33	2.33	2.33	2.33
15	PRN 1967571612017	Mujawar Mohsin Rashid		2.33	2.33	2.33	2.33	2.33	2.33
16	PRN 1967571612018	Jadhav Aniket Madhukar		2.33	2.33	2.33	2.33	2.33	2.33
17	PRN 1967571612019	Phadatarare Pratik Pratap		2.67	2.67	2.67	2.67	2.67	2.67
18	PRN 1967571612020	Kokate Adinath Sanjay		2	2	2	2	2	2
19	PRN 1967571612021	Awale Pradip Balwant		2.67	2.67	2.67	2.67	2.67	2.67
20	PRN 1967571612022	Thorbole Dayanand Ramchandra		2.33	2.33	2.33	2.33	2.33	2.33
21	PRN 1967571612023	Mone Swanand Ajit		2.67	2.67	2.67	2.67	2.67	2.67
22	PRN 1967571612024	Shaikh Munna Raju		2	2	2	2	2	2
23	PRN 1967571612025	Sawant Sanket Rajendra		2.67	2.67	2.67	2.67	2.67	2.67
24	PRN 1967571612026	Kadam Vikas Shivaji		2.67	2.67	2.67	2.67	2.67	2.67
25	PRN 1967571612027	Chavan Sachin Dagadu		3	3	3	3	3	3

26	PRN.1967571612028	Nikam Ashudosh Prithviraj	3	3	3	3
27	PRN.1967571612030	Ayare Alish Rajaram	3	3	3	3
28	PRN.1967571612031	Taware Anil Dashrath	2.67	2.67	2.67	2.67
29	PRN.1967571612032	Mule Sonali Satish	2.33	2.33	2.33	2.33
30	PRN.1967571612033	Wadkar Saunabh Jagannath	3	3	3	3
31	PRN.1967571612034	Rathod Sunil Rupsing	2.67	2.67	2.67	2.67
32	PRN.1967571612035	Parthekar Pratik Sukhadev	2.33	2.33	2.33	2.33
33	PRN.1967571612036	Marathia Ramesh Maruti	2.33	2.33	2.33	2.33
34	PRN.1967571612037	Patil Nihal Vilas	2.33	2.33	2.33	2.33
35	PRN.1967571612038	Kadam Siddhesh Pradeep	2.67	2.67	2.67	2.67
36	PRN.1967571612039	Bhanage Omkar Gulab	3	3	3	3
37	PRN.1967571612040	Jadhav Vikas Arjun	2.33	2.33	2.33	2.33
38	PRN.1967571612041	Shahk Mohamadsaad Anisar	2	2	2	2
39	PRN.1967571612042	Kashid Pratik Vitthal	2	2	2	2
40	PRN.1967571612043	Pawar Pratik Dashrath	3	3	3	3
41	PRN.1967571612044	Valkunde Sushant Haribhau	2.67	2.67	2.67	2.67
42	PRN.1967571612045	Dange Akash Balaso	2.33	2.33	2.33	2.33
43	PRN.1967571612046	Patil Shilpa Harishchandra	2	2	2	2
44	PRN.1967571612047	Ghadage Ajay Suresh	2.67	2.67	2.67	2.67
45	PRN.1967571612048	Sathe Mahesh Jaykar	2	2	2	2
46	PRN.1967571612049	Shelar Shraddha Manali	2.67	2.67	2.67	2.67
47	PRN.1967571612051	Barge Rohit Deelip	2.33	2.33	2.33	2.33
48	PRN.1967571612052	Pawar Karan Rajendra	3	3	3	3
49	PRN.19675720171161210002	Jadhav Hrishikesh Rajesh	3	3	3	3
50	PRN.51675720171161210003	Gaikwad Abhijeet Ashok	2.67	2.67	2.67	2.67
51	PRN.51675720171161210020	Gore Rohit Ranjeet	2.67	2.67	2.67	2.67
52	PRN.51675720181161210002	Suryawanshi Akshay Adhik	2.67	2.67	2.67	2.67
53	PRN.51675720181161210001	Desai Prathamesh Vinayak	3	3	3	3
54	PRN.51675720181161210003	Ingate Omkar Shashikant	2.67	2.67	2.67	2.67
55	PRN.51675720181161210004	Zunzarrao Prathmesh Pramod	3	3	3	3
56	PRN.51675720181161210005	Kaikar Prathamesh Rangrao	3	3	3	3
57	PRN.51675720181161210006	Jadhav Mahesh Balavant	3	3	3	3
58	PRN.51675720181161210007	Jadhav Kedar Chandrakant	2.67	2.67	2.67	2.67
59	PRN.51675720181161210008	Gurav Akash Vijay	2.33	2.33	2.33	2.33
60	PRN.51675720181161210010	Walwekar Ashwini Anil	3	3	3	3
61	PRN.51675720181161210011	Nanaware Nikhil Vasudev	3	3	3	3
62	PRN.51675720181161210013	More Harish Chandrakant	2.67	2.67	2.67	2.67
63	PRN.51675720181161210014	Jadhav Swapnil Udayasing	2.67	2.67	2.67	2.67
64	PRN.51675720181161210015	Nikam Pranita Dattatray	2.67	2.67	2.67	2.67
65	PRN.51675720181161210016	Nikam Mahesh Appaso	2.67	2.67	2.67	2.67
66	PRN.51675720181161210055	Chevan Darshan Satish	3	3	3	3
67	PRN.51675720181161210064	Sukale Omkar Subhash	2.33	2.33	2.33	2.33
68	PRN.51675720181161210065	Dharnal Dipal Rajendra	2.33	2.33	2.33	2.33
69	PRN.51675720181161211001	Pardeshi Ganesh Jayram	3	3	3	3
70	PRN.51675720181161211003	Kadam Akshay Pralhad	2.67	2.67	2.67	2.67

Average Marks	2.59	2.59	2.59
No. of students above Average Marks	46	46	46
% of Students above Average Marks	65.71	65.71	65.71
Level	3	3	3

Table-G 3.2.2 Sample Calculation for Continuous Assessment-2 Evaluation

Sr. No.	PRN	Name of Student	COs
		CO Mapped ->	CO1 to CO5
		Marks	
1	PRN 1967571612001	Arvind Arjun Barge	60
2	PRN 1967571612002	Dhumal Suraj Nanaso	60
3	PRN 1967571612003	Chavan Prashant Liladhar	60
4	PRN 1967571612004	Kadam Ganesh Vikram	60
5	PRN 1967571612005	Patel Irshad Abduljabbar	60
6	PRN 1967571612006	Shinde Kunal Nelfaji	60
7	PRN 1967571612007	Patil Jaydeep Jaywant.	60
8	PRN 1967571612009	Patil Ankita Tanaji	60
9	PRN 1967571612010	Yadav Shubham Sandip	60
10	PRN 1967571612011	Bobade Sonali Balkrishna	60
11	PRN 1967571612012	Bobade Nikhil Balkrishna	56
12	PRN 1967571612014	Jadhav Jyoti Madhukar	0
13	PRN 1967571612015	Honmane Sagar Adinath	60
14	PRN 1967571612016	Kadam Sanket Sanjay	60
15	PRN 1967571612017	Mujawar Mohsin Rashid	60
16	PRN 1967571612018	Jadhav Aniket Madhukar	60
17	PRN 1967571612019	Phadare Pratik Pralap	60
18	PRN 1967571612020	Kokate Adinath Sanjay	60
19	PRN 1967571612021	Awale Pradip Balwant	60
20	PRN 1967571612022	Thorbole Dayanand Ramchandra	60
21	PRN 1967571612023	Mone Swarnand Ajit	60
22	PRN 1967571612024	Shaikh Munna Raju	60
23	PRN 1967571612025	Sawant Sanket Rajendra	60
24	PRN 1967571612026	Kadam Vikas Shivaji	60
25	PRN 1967571612027	Chavan Sachin Dagadu	60
26	PRN 1967571612028	Nikam Ashutosh Prithviraj	60
27	PRN 1967571612030	Ayare Atish Rajaram	60
28	PRN 1967571612031	Taware Atul Dashrath	60
29	PRN 1967571612032	Mule Sonali Salish	60
30	PRN 1967571612033	Wadkar Saurabh Jaganath.	60
31	PRN 1967571612034	Rathod Sunil Rupsing	60
32	PRN 1967571612035	Panhatkar Pratik Sukhadev	60
33	PRN 1967571612036	Maratha Ramesh Maruti	60
34	PRN 1967571612037	Patil Nihal Vilas	60
35	PRN 1967571612038	Kadam Siddhesh Pradeep	60
36	PRN 1967571612039	Bhanage Omkar Gulab	60
37	PRN 1967571612040	Jadhav Vikas Arjun	60
38	PRN 1967571612041	Shaikh Mohamadsaad Ansar	60
39	PRN 1967571612042	Kashid Pratik Vitthal	60

40	PRN.1967571612043	Pawar Praik Dasthath	60
41	PRN.1967571612045	Vaikunde Sushant Harbhau	60
42	PRN.1967571612046	Dange Akash Balaso	60
43	PRN.1967571612047	Patil Shilpa Harishchandra	60
44	PRN.1967571612048	Chadage Ajay Suresh	60
45	PRN.1967571612049	Sathe Mahesh Jaykar	60
46	PRN.1967571612051	Shelar Shraddha Maruti	60
47	PRN.1967571612052	Barge Rohit Deelip	60
48	PRN.51675720171161210002	Pawar Karan Rajendra	60
49	PRN.51675720171161210003	Jadhav Hrishikesh Rajesh	60
50	PRN.51675720171161210020	Gaikwad Abhijeet Ashok	60
51	PRN.51675720171161210022	Govre Rohit Ranjeet	60
52	PRN.51675720181161210001	Suryawanshi Akshay Adhik	60
53	PRN.51675720181161210002	Desai Prathmesh Vinayak	60
54	PRN.51675720181161210003	Ingale Onkar Shashikant	60
55	PRN.51675720181161210004	Zunzarrao Prathmesh Pramod	60
56	PRN.51675720181161210005	Karkar Prathmesh Rangrao	60
57	PRN.51675720181161210006	Jadhav Mahesh Balavant	60
58	PRN.51675720181161210007	Jadhav Kedar Chandrakant	60
59	PRN.51675720181161210008	Gurav Akash Vijay	60
60	PRN.51675720181161210010	Walvekar Ashwini Anil	60
61	PRN.51675720181161210011	Nanaware Nikhil Vasudev	60
62	PRN.51675720181161210013	More Harish Chandrakant	60
63	PRN.51675720181161210014	Jadhav Swapnil Udayasing	60
64	PRN.51675720181161210015	Nikam Pranita Dattatray	60
65	PRN.51675720181161210016	Nikam Mahesh Appaso	60
66	PRN.51675720181161210055	Chavan Darshan Saitish	60
67	PRN.51675720181161210064	Sukate Onkar Subhash	60
68	PRN.51675720181161210065	Dhamal Dipali Rajendra	60
69	PRN.51675720181161211001	Pardeshi Ganesh Jayram	60
70	PRN.51675720181161211003	Kadam Akshay Pralhad	60
Average Marks			59
No. of students above Average Marks			68
% of Students above Average Marks			97.14
Level			3

Table-H 3.2.2 Sample Calculation for End-Semester Examination Evaluation

CO Attainment for Course						
Sr. No.	Assessment Method]	CO				
		BTMEC704E.1	BTMEC704E.2	BTMEC704E.3	BTMEC704E.4	BTMEC704E.5
Direct methods (80%)						
Internal Assessment (20% of Direct)						
1	CA-I	3	3			
2	MSE	3	2			
3	CA-II			3	3	3
Average of Internal Assessment (A)		3	2.5	3	3	3
External Assessment (80% of Direct)						
1	University exams	3	3	3	3	3
Average of External Assessment (B)		3	3	3	3	3
Indirect methods (20%)						
1	Course Exit Survey	2.8	2.9	2.7	2.8	2.6
Average attainment		2.95	2.9	2.94	2.96	2.92

Table-I 3.2.2 Sample Calculation for CO attainment


HOD Mechanical
 YSPMS Yashoda Technical Campus
 Satara

Incharge of M. COH
 YSPMS Yashoda Technical Campus
 Satara

PO Attainment of all four year courses of B Pharm

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T	2.768	0	1.845333	1.845333	0.922667	1.845333	0	0.922667	0.922667	0	2.768
BP102T	2.84	2.84	2.84	1.893333	0	2.84	2.84	0	2.84	0.946667	2.84
BP103T	2.54	2.54	1.693333	0.846667	0.846667	1.693333	1.693333	1.693333	1.693333	2.54	1.693333
BP104T	2.85	1.9	1.9	2.85	0.95	1.9	2.85	2.85	2.85	2.85	2.85
BP105T	1.653333	2.48	1.653333	1.653333	1.653333	1.653333	0.826667	2.48	2.48	0	2.48
BP106RBT	0.490667	0	0.490667	0.245333	0	0.490667	0	0.490667	0.245333	0	0.490667
BP106RMT	0.61852	0	0.61852	0	0	0	0	0.61852	0.412347	0	0.412347
BP107P	1.9316	0	1.9316	1.9316	0	0.9658	0	1.9316	0.9658	0	2.8974
BP108P	3	3	3	2	3	3	3	2	1	0	3
BP109P	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4	2.4	1.6	1.6
BP110P	2.4	2.4	2.4	2.4	1.6	2.4	2.4	1.6	2.4	1.6	1.6
BP111P	0	2.977586	1.985057	0.992529	2.977586	0	0	2.977586	0	0	2.977586
BP112RBP	0.488867	0	0	0.977733	0	0.488867	0	0.488867	0.488867	0	0.977733
BP201T	1.01376	0	0	0	0	0.67584	0	1.01376	0.67584	0	0.67584
BP202T	1.04	0.693333	1.04	0.693333	0	1.04	1.04	0.346667	0.346667	0.693333	1.04
BP203T	1.04	0.693333	0.693333	0.693333	0.693333	0.693333	0.693333	0.693333	1.04	0.693333	1.04
BP204T	1.069655	0	0.356552	0.356552	0.356552	0.356552	0	0.713103	0.713103	0	1.069655
BP205T	0.94	1.88	1.88	2.82	1.88	1.88	0.94	1.88	0.94	0.94	2.82
BP206T	0.94	0.94	1.88	1.88	1.88	0.94	1.88	1.88	1.88	2.82	2.82
BP207P	2.54508	0.84836	1.69672	0.84836	0.84836	1.69672	0	2.54508	1.69672	0	1.69672
BP208P	2.96	2.96	2.96	0.986667	0	2.96	2.96	0	0	0	2.96
BP209P	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	1.98	2.97
BP210P	0.993333	1.986667	1.986667	2.98	1.986667	1.986667	0.993333	0.993333	0.993333	2.98	2.98
BP301T	2.92	2.141333	2.530667	2.530667	1.946667	2.336	1.362667	1.362667	2.141333	1.946667	1.946667
BP302T	2.96	0.986667	0.986667	0	0	0.986667	0.986667	1.973333	0.986667	0	2.96
BP303T	2.9	1.933333	0.966667	0	0.966667	1.933333	0.966667	0.966667	0.966667	0.966667	0.966667
BP304T	1.84	1.84	2.76	0	1.84	0	0	0	0	1.84	2.76
BP305P	2.93	2.93	2.93	1.953333	1.953333	1.953333	0.97667	1.953333	1.953333	2.93	1.953333
BP306P	2.96	1.973333	1.973333	0.986667	2.96	0.986667	0.986667	2.96	0.986667	0	2.96
BP307P	2.971186	2.971186	2.971186	2.971186	2.971186	1.980791	0	1.980791	1.980791	1.980791	1.980791
BP308P	1	1	1	0	1	0	1	1	1	0	1



BP401T	1.19	0.793333	1.19	1.19	0.396667	0.396667	0.793333	0.793333	0.793333	1.19	0.793333	1.19
BP402T	1.16	0.773333	0.386667	0.773333	0.773333	0.773333	0	0.386667	0.773333	0.773333	0.386667	0.773333
BP403T	2.36	0.786667	0.786667	1.573333	1.573333	0	0.786667	1.573333	0.786667	0.786667	0	2.36
BP404T	1.78	0.593333	0.593333	1.186667	1.186667	1.78	1.186667	0.593333	1.186667	1.186667	1.186667	1.78
BP405T	1.12	1.68	1.12	0	0	0	0	0	0	1.12	0.56	1.12
BP406P	2.9844	2.9844	2.9844	0.9948	0.9948	1.9896	1.9896	0.9948	0.9948	0.9948	0.9948	1.9896
BP407P	2.96	2.96	1.973333	1.973333	2.96	1.973333	0.986667	2.96	1.973333	0	0	2.96
BP408P	2.9	2.9	2.9	1.933333	0.96667	1.933333	2.9	0.96667	2.9	0.96667	0.96667	2.9
BP409P	2.97	2.97	2.97	2.97	2.97	1.98	0	1.98	1.98	1.98	1.98	1.98
BP501T	2.4	1.6	0.8	1.6	-	1.6	-	0.8	1.6	1.6	1.6	1.6
BP502T	2.94	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	0.98	2.94
BP503T	2.89	0.963333	0.963333	0.963333	0.963333	2.89	1.926667	0.963333	1.926667	1.926667	1.926667	2.89
BP504T	2	3	3	1	2	0	0	0	1	2	2	2
BP505T	2.98	1.986667	0.993333	0.993333	2.98	2.98	2.98	1.986667	2.98	0.993333	0.993333	2.98
BP506P	2.5	2.5	2.5	2.5	2.5	1.666667	1.666667	0.833333	1.666667	0.833333	0.833333	2.5
BP507P	2.26	2.26	0.753333	1.506667	0.753333	2.26	2.26	0.753333	0.753333	0.753333	0.753333	2.26
BP601T	1.13	0.753333	0.376667	0.753333	0.753333	0.753333	0	0.376667	0.753333	0.753333	0.376667	0.753333
BP602T	2.9	0.966667	1.933333	0	0.966667	2.9	0.966667	0.966667	1.933333	0.966667	0.966667	2.9
BP603T	2.28	1.52	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	1.52
BP604T	0.982	0.654667	0.654667	0	0	0.654667	0	0	0.654667	0	0	0.982
BP605T	1.72	0.573333	0.573333	0.573333	0.573333	0.573333	1.146667	0.573333	1.146667	1.146667	1.146667	1.72
BP606T	1.12	0.746667	0.746667	1.12	0.373333	0.746667	1.12	1.12	1.12	1.12	1.12	1.12
BP607P	2.93	2.93	2.93	1.953333	2.93	2.93	0.97667	1.953333	1.953333	2.93	1.953333	2.93
BP608P	0	0.933333	2.8	0.933333	1.866667	1.866667	2.8	0	0.933333	1.866667	1.866667	2.8
BP609P	2	2	2	1	1	1	1	1	1	2	2	2
BP701T	2.5886	0.862867	0.862867	1.725733	0.862867	1.725733	1.725733	1.725733	1.725733	0.862867	0.862867	1.725733
BP702T	2.7	2.7	1.8	1.8	0.9	2.7	2.7	1.8	1.8	1.8	1.8	0.9
BP703T	2.9	0.96667	0.96667	0.96667	1.933333	1.933333	1.933333	0.96667	1.933333	1.933333	1.933333	1.933333
BP704T	2.54	1.693333	1.693333	1.693333	1.693333	1.693333	1.693333	0.846667	0	0.846667	1.693333	1.693333
BP705P	1.0904	1.0904	0.726933	0.363467	0.363467	0.726933	0.726933	0.363467	0.363467	0.363467	0.363467	0.726933
BP801T	0.8	0	1.2	1.2	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4
BP802T	0.88	0.88	0.586667	0.586667	0.88	0.586667	0.586667	0.586667	0.88	0.88	0.88	0.88
BP803ET	1.2	1.2	1.2	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
BP804ET	1.6	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8



BP805ET	1.78	1.78	1.78	0.593333	1.78	1.78	1.86667	1.78	1.186667	0.593333	1.78
BP807ET	1.06	1.06	0.706667	1.06	0.353333	1.06	1.06	0.706667	0.706667	0.706667	1.06
BP809ET	1.79	1.79	1.79	1.79	0.596667	1.79	1.19333	1.19333	1.19333	1.19333	1.79
BP811ET	1.0424	0.3474	0.3474	0.6949	0.3474	0.6949	1.0424	0.6949	0.6949	0.3474	0.6949
Average	1.947852	1.539781	1.545641	1.262434	1.211366	1.428114	1.144189	1.203539	1.288401	0.988372	1.865834
Average	1.9	1.6	1.5	1.3	1.2	1.4	1.2	1.2	1.3	1.0	1.9



[Signature]
Principal
 Yashoda Technical Campus
 Faculty Of Pharmacy

Course-PO matrix of courses for all four years of study B Pharm

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T	3	-	2	2	1	2	-	1	1	-	3
BP102T	3	3	3	2		3	3		3	1	3
BP103T	3	3	2	1	1	2	2	2	2	3	2
BP104T	3	2	2	3	1	2	3	3	3	3	3
BP105T	2	3	2	2	2	2	1	3	3		3
BP106RBT	2	-	2	1	-	2	-	2	1	-	2
BP106RMT	3	-	3	-	-	-	-	3	2	-	2
BP107P	2	-	2	1	-	1	-	2	1	-	3
BP108P	3	3	3	2	3	3	3	2	1		3
BP109P	3	3	2	2	2	2	2	3	3	2	2
BP110P	3	3	3	3	2	3	3	2	3	2	2
BP111P		3	2	1	3			3			3
BP112RBP	1	-	-	2	-	1	-	1	1	-	2
BP201T	3					2		3	2		2
BP202T	3	2	3	2		3	3	1	1	2	3
BP203T	3	2	2	2	2	2	2	2	3	2	3
BP204T	3		1	1	1	1		2	2		3
BP205T	1	2	2	3	2	2	1	2	1	1	3
BP206T	1	1	2	2	2	1	2	2	2	3	3
BP207P	3	1	2	1	1	2		3	2		2
BP208P	3	3	3	1	-	3	3	-	-	-	3
BP209P	3	3	3	3	3	3	3	3	3	2	3
BP210P	1	2	2	3	2	2	1	1	1	3	3
BP301T	3	2	2	2	1	2	1	1	2	2	2
BP302T	3	1	1			1	1	2	1		3
BP303T	3	2	1	-	2	2	1	1	1	1	1
BP304T	2	2	3	-	2	-	-	-	-	2	3
BP305P	3	3	3	2	2	2	1	2	2	3	2
BP306P	3	2	2	1	3	1	1	3	1	-	3
BP307P	3	3	3	3	3	2	-	2	2	2	2
BP308P	1	1	1	-	1	-	1	1	1	-	1
BP401T	3	2	3	3		1	2	2	3	2	3



BP402T	3	2	1	2	2	2	2	2	-	1	2	1	2	2
BP403T	3	1	1	2	2	2	-	1	1	2	1	-	1	3
BP404T	3	1	1	2	1	3	3	2	2	1	2	2	3	3
BP405T	2	3	2	-	-	-	-	-	-	-	2	1	2	2
BP406P	3	3	3	1	1	2	2	2	1	1	1	1	2	2
BP407P	3	3	2	2	3	2	2	1	3	3	2	-	3	3
BP408P	3	3	3	2	1	2	2	3	1	1	3	1	3	3
BP409P	3	3	3	3	3	2	2	-	2	2	2	2	2	2
BP501T	3	2	1	2	-	2	2	-	-	1	2	2	2	2
BP502T	3	2	2	2	2	2	2	2	2	2	2	1	3	3
BP503T	3	1	1	1	1	3	3	2	2	1	2	2	3	3
BP504T	2	3	3	1	2	-	-	-	-	-	1	2	2	2
BP505T	3	2	1	1	3	3	3	3	3	2	3	1	3	3
BP506P	3	3	3	3	3	2	2	2	2	1	2	1	3	3
BP507P	3	3	1	2	1	3	3	3	3	1	1	1	3	3
BP601T	3	2	1	2	2	2	2	-	-	1	2	1	2	2
BP602T	3	1	2	-	1	3	3	1	1	1	2	1	3	3
BP603T	3	2	1	-	-	1	1	-	-	1	1	1	2	2
BP604T	3	2	2	-	-	2	2	-	-	-	2	-	3	3
BP605T	3	1	1	-	1	1	1	2	2	1	2	-	3	3
BP606T	3	2	3	3	2	2	2	3	3	2	3	2	3	3
BP607P	3	3	3	2	3	3	3	1	1	2	2	3	2	2
BP608P	2	1	3	1	2	2	2	3	3	0	1	2	3	3
BP609P	2	2	2	-	1	-	-	1	1	1	2	2	2	2
BP701T	3	1	1	2	1	2	2	2	2	2	2	1	2	2
BP702T	3	3	2	-	1	3	3	3	3	2	2	2	1	1
BP703T	3	1	1	1	2	2	2	2	2	1	2	2	2	2
BP704T	3	2	2	2	2	2	2	2	2	1	-	1	2	2
BP705P	3	3	2	1	1	2	2	2	2	1	1	1	2	2
BP801T	2		3	3	1	2	2	1	1	1	1	1	1	1
BP802T	3	3	2	2	3	2	2	2	2	2	3	3	3	3
BP803ET	3	3	3	2	2	3	3	3	3	3	3	3	3	3
BP804ET	2	1	1	1	2	1	1	1	1	1	1	1	1	1
BP805ET	3	3	3	1	1	3	3	2	2	3	2	1	3	3



BP807ET	3	3	2	3	1	3	3	2	2	2	2	3
BP809ET	3	3	3	3	1	3	2	2	2	2	2	3
BP811ET	3	1	1	2	1	2	3	2	2	2	1	2
Average	2.716418	2.213115	2.074627	1.928571	1.803571	2.114754	2	1.761905	1.876923	1.74	2.478261	
Average	2.7	2.2	2.1	1.9	1.8	2.1	2.0	1.8	1.9	1.7	2.5	




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CO Attainment of all four year courses of B. Pharm			
Course	CA	SE	ESE
BP101T	0.24	0.24	1.8
BP102T	0.24	0.24	1.8
BP103T	0.24	0	1.8
BP104T	0.24	0.24	1.8
BP105T	0.24	0	1.68
BP106RB	0.24	0	0
BP106RM	0.24	0	0
BP107P	0.24	0.48	1.68
BP108P	0.24	0.48	1.68
BP109P	0.24	0	1.68
BP110P	0.24	0.48	1.12
BP111P	0.48	0.48	1.44
BP112RB	0.48	0.48	0
BP201T	0.24	0.24	0
BP202T	0.24	0.24	0
BP203T	0.24	0.24	0
BP204T	0.24	0.24	0
BP205T	0.321	0.32	1.599
BP206T	0.321	0.32	1.599
BP207P	0.24	0.16	1.68
BP208P	0.24	0.48	1.68
BP209P	0.24	0.48	1.68
BP210P	0.48	0.48	1.44
BP301T	3	3	3
BP302T	0.24	0.36	1.8
BP303T	0.24	0.36	1.8
BP304T	0.24	0.12	1.8
BP305P	0.24	0.48	1.68
BP306P	0.24	0.48	1.68
BP307P	0.24	0.48	1.68
BP308P	0.24	0.48	1.68
BP401T	0.24	0.36	0
BP402T	0.24	0.36	0
BP403T	0.24	0.36	1.2
BP404T	0.24	0.36	0.6
BP405T	0.24	0.24	0.6
BP406P	0.24	0.48	1.68
BP407P	0.24	0.48	1.68
BP408P	0.24	0.48	1.68
BP409P	0.24	0.48	1.68
BP501T	0.24	0.36	1.8
BP502T	0.24	0.36	1.8
BP503T	0.24	0.36	1.8
BP504T	0.24	0.36	1.8



BP505T	0.24	0.36	1.8
BP506P	0.24	0	1.68
BP507P	0.24	0.32	1.12
BP601T	0.24	0.36	0
BP602T	0.321	0.48	1.599
BP603T	0.24	0.24	1.2
BP604T	0.24	0.24	0
BP605T	0.24	0.36	0.6
BP606T	0.24	0.36	0
BP607P	0.24	0.48	1.68
BP608P	0.24	0.48	1.68
BP609P	0.24	0.48	1.68
BP701T	0	0.24	1.8
BP702T	0.16	0.24	1.8
BP703T	0.24	0.36	1.8
BP704T	0.24	0	1.8
BP705P	0.24	0.32	0
BP801T	0.24	0.36	0
BP802T	0.24	0.12	0
BP803ET	0.24	0.36	0
BP804ET	0.24	0.36	1.2
BP805ET	0.0128	0.0288	1.08
BP807ET	0.24	0.24	0
BP809ET	0.24	0.36	0.6
BP811ET	0.16	0.36	0
Average	0.284867	0.35693913	1.16981159
Average	0.3	0.4	1.2



W. S. S.
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YASHODA TECHNICAL CAMPUS FACULTY OF MCA A.Y. 2021-22

Year	Semester	Subject	Subject Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2		
2021-22	Sem-I	1.Introduction toProgramming	CC101	1.95	2.19	2.68	2.44	1.95		2.19						2.19	2.43		
		2.Computer Architecture & Operating System	CC102	1.29	0.96	1.28	0.96	1.29		1.69							1.69	0.97	
		3. RDBMS	CC103	1.95	2.19	2.68	2.44	1.95		2.19							2.19	2.44	
		4. Statistical and Mathematical Foundations	CC104	1.95	2.19	2.68	2.44	1.95		2.19							2.19	2.44	
		5. Principles of Management and Organizational Behavior	AEC105	1.95	2.19	2.68	2.44	1.95		2.19							2.19	2.44	
		6. Business Communication	AEC106							1.33	1.33	1.33	1.33	2	1	0.67		2.19	2.44
		7.Knowledge Management	GE107	1.58	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.88	0.95				1.88	0.95	1.42
		8.Lab Based on CC101	CC108	1.98	2.22	2.72	2.47	1.98		2.22								2.22	2.47
		9.Lab Based on CC102	CC109	0.75	0.56	0.74	0.56	0.75		0.98								0.98	0.56
		10.Lab Based on CC103	CC110	1.97	2.22	2.71	2.47	1.97		2.22								2.22	2.47
Sem-II	1.Web Technology	CC201	1.9	1.9	2.38	1.9	2.38		2.38							2.14	2.14		
	2.Data Structure	CC202	1.95	2.27	2.19	2.6	2.44		2.43							2.19	2.19		
	3.Big Data Management	CC203	1.94	1.94	1.93	1.93	2.57		1.93							2.42	2.18		
	4.Data Communication & Network	CC204	0.65	0.33	0.54	0.56	0.75		0.65				0.32	0.32		0.48	0.65		
	5.Software Engineering and Project Management	CC205	1.71	0.98	2.44	1.95	1.95		2.44	2.59					1.94	2.2	2.19		
	6.DigitalMarketing	GE206	0.94	1.93	1.91	1.88	2.37	1.93	1.93			1.45	1.93			1.27	1.59		
	7.Lab based on CC201	CC207	1.98	2.3	2.22	2.63	2.48		2.47							2.22	2.23		
	8.Lab based on CC202	CC208	1.99	2.32	2.24	2.65	2.49		2.49							2.24	2.24		
	9. Mini Project	CC209	1.71	1.95	1.96	1.96	1.96	0.98	1.96	1.96					1.96	1.96	1.96		
Sem-III	1.Java Programming	CC301	1.97	2.47	2.96	2.22	1.97		2.22							2.47	2.7		
	2.Data Analytics	CC302	1.71	1.71	2.2	1.95	2.44		2.44							2.93	2.9		
	3.Cyber Security	CC303	1.65	1.73	2.23	1.98	2.47		2.72							2.97	3		
	4.Cloud Computing	DSE304							1.42	1.9	2.37	1.9			2.13	1.58	1.3		
	Entrepreneurship Development	AEC305							1.42	1.9	2.37	1.9			2.13	1.58	1.3		
MOOC	AEC306							0.91	0.91	0.91	1.36	0.68	0.45		0.68	0.7			

	7.Lab based on CC301	CC307	1.97	2.95	2.95	2.95	2.95	2.95	2.95										2.46	2.5			
	8.Lab based on CC302	CC308	1.97	2.46	2.95	1.97	1.97		1.97		1.97								2.46	2.5			
	9.Major Project	CC309	1.85	1.86	2.17	1.86	2.02	1.86	2.05	2.48	1.86								2.33	2.61	2.17	2.2	
	1.Artificial Intelligence and Soft Computing	CC401	2.16	2.41	2.4	2.41	2.16		2.41											2.65	2.7		
	2.Advance Java Programming	CC402	1.73	2.22	2.47	2.47	1.97		2.22											2.22	2.5		
	3. Internet of Things	CC403	0.96	1.45	1.93	1.68	1.92		1.92		1.9									2.16	1.92		
	3.Block Chain Technology	DSE404			0.99	0.99	1.64		1.48	0.99				2.47	2.47	0.99	1.64	1.6		1.64	1.6		
	4.Research Methodology	AEC405			1.92		1.92		1.92	2.16	1.92									1.92	1.28	1.7	
	5.PersonalityDevelopment	AEC406							1.33	1.33	1.33	1.33	1.33	1	0.67	1.33	1	1		1	1		
	6. Seminar	DSE407							1.44	1.44	1.44	1.44	1.44	1.08	0.72	1.44	1.08	1.08		1.08	1.08		
	7.Lab based on CC401	CC408	1.97	2.46	2.95	1.97	1.97		1.97											2.46	2.5		
	8.Lab based on CC402	CC49	1.97	2.46	2.95	1.97	1.97		1.97											2.46	2.5		
	Mini Project	CC410	1.62	1.85	1.86	1.86	1.86	0.93	1.86	1.86										1.86	1.85	1.9	
	1.Data Science	MCA51	1.57	1.73	2.04	1.88	1.73	0.94	1.51											2.04	1.73		
	2.Android Development with Kotlin	MCA52	1.63	1.8	2.12	1.95	1.8	0.98	1.56												2.12	1.8	
	3.Software Quality Assurance	MCA53E	2.42	1.94	1.94		1.94	1.63	1.95	1.95										1.95	1.95	1.94	1.95
	Entrepreneurship Development	MCA54E	1.95	1.96		1.95	2.2	1.45	1.71	1.95	1.95									1.96	1.95	2.2	2.26
	5.Operation Research & Optimization Techniques	MCA56	2.48	1.65	2.47	2.31	1.98		1.97	1.65										1.99	1.97	2.3	2.31
	6.LAB III (Data Science)	MCA5L1	1.77	1.97	1.97	1.98	1.97		1.97	1.48										1.73	0.98	2.17	1.97
	7.LAB IV(Android Development with Kotlin)	MCA5L2		2.3	1.96	1.97	1.97		2.13	2.17										1.97	1.64	2.16	1.97
	Industrial Seminar	MCA5IS	1.48	1.97	1.32	1.97	1.64	0.98	1.73	1.97	0.98									1.97	1.48	2.22	1.97
	Project Work	MCA61	1.96	1.97	2.29	1.97	2.13	1.97	2.16	2.63	1.97									2.47	2.76	2.3	2.3
	Total Average		1.76	1.94	2.17	2.01	1.99	1.48	1.93	1.87	1.64			1.21	1.61	1.82				1.97	1.97	1.97	1.97

YASHODA SHIKSHAN PRASARAK MANDAL'S

Department of MCA A.Y 2021-22

Year	Semester	Subject	Subject Code	CO1	CO2	CO3	CO4	CO5	CO6
2021-22	Sem-I	1.Introduction to Programmin	CC101	2.94	2.94	2.92	2.90		
		2.Computer Architecture & Operating System	CC102	2.9	2.9	2.88	2.86		
		3. RDBMS	CC103	2.93	2.92	2.91	2.93		
		4. Statistical and Mathematical Foundations	CC104	2.93	2.92	2.91	2.93		
		5. Principles of Management and Organizational Behavior	AEC105	2.93	2.92	2.91	2.93		
		6. Business Communication	AEC106	2	1.99				
		7.Knowledge Management	GE107	2.86	2.85	2.83	2.82		
		8.Lab Based on CC101	CC108	2.98	2.98	2.96	2.94		
		9.Lab Based on CC102	CC109	1.68	1.67	1.66	1.68		
		10.Lab Based on CC103	CC110	2.96	2.95	2.95	2.97		
	Sem-II	1.Web Technology	CC201	2.87	2.85	2.85	2.84		
		2.Data Structure	CC202	2.94	2.94	2.92	2.9		
		Big Data Management	CC203	2.91	2.87	2.93	2.92		
		4.Data Communication & Network	CC204	0.98	0.97	0.97	0.95		
		5.Software Engineering and Project Management	CC205	2.95	2.92	2.93	2.91		
		6.Digital Marketing	GE206	2.9	2.89	2.89	2.82		
		7.Lab based on CC201	CC207	2.98	2.96	2.95	2.98		
		8.Lab based on CC202	CC208	2.99	2.98	2.98	2.98		
		9.Mini Project	CC209	2.95	2.94	2.94	2.93		
2021-2022	Sem-III	1.Java Programming	CC301	2.98	2.95	2.95	2.96		
		2.Data Analytics	CC302	2.94	2.93	2.92	2.93		
		3.Cyber Security	CC303	2.96	2.97	2.97	2.97		
		4.Cloud Computing	DSE304	2.86	2.85	2.84	2.82		
		Entrepreneurship Development	AEC305	2.86	2.85	2.84	2.82		
		MOOC	AEC306	1.36	1.35				
		7.Lab based on CC301	CC307	2.96	2.94				
		8.Lab based on CC302	CC308	2.95	2.96				
		9.Major Project	CC309	2.8	2.8	2.8	2.78	2.8	2.79

2021-2022	Sem-IV	1.Artificial Intelligence and So	CC401	2.91	2.89	2.87	2.88		
		2.Advance Java Programming	CC402	2.98	2.95	2.95	2.96		
		3.IOT	CC403	2.9	2.89	2.87	2.88		
		3.Block Chain Technology	DSE404	2.96	2.95	2.95	2.96		
		4.Research Methodology	AEC405	2.9	2.89	2.87	2.88		
		5.Personality Development Seminar	AEC406	2	1.99				
		7.Lab based on CC401	DSE407	2.15	2.18				
		8.Lab based on CC402	CC408	2.95	2.96				
		Mini Project	CC49	2.95	2.96				
				CC410	2.78	2.79	2.79	2.77	
2021-2022	Sem-V	1.Data Science	MCA51	2.8	2.81	2.78	2.85	2.87	2.89
		2.Android Development with Kotlin	MCA52	2.91	2.9	2.94	2.96	2.96	2.98
		3.Software Quality Assurance	MCA53E	2.91	2.9	2.97	2.93		
		4. Entrepreneurship Development	MCA54E	2.91	2.9	2.97	2.93		
		5.Operation Research & Optimization Techniques	MCA56	2.97	2.94	2.98			
		6.LAB III (Data Science)	MCA5L1	2.95	2.96	2.95	2.95	2.93	2.98
		7.LAB IV(Android Development with Kotlin)	MCA5L2	2.95	2.94	2.94	2.93	2.96	2.98
		Industrial Seminar	MCA5IS	2.98	2.95	2.95	2.96		
2021-2022	Sem-VI	Project Work	MCA61	2.96	2.96	2.96	2.94	2.96	2.95


 H. O. D.
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