BVM Engineering College (An Autonomous Institution)

Computer Engineering Department

M. Tech.(Software Engineering)

Semester 1

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	5CP01	Information Theory and Coding	3	2	0	5	5
2	5CP02	Advanced Data Structures and Algorithms	3	0	2	5	4
3	5CP03	Parallel and Distributed Computing	3	0	2	5	4
4	5CP04	Advanced Operating Systems	3	0	2	5	4
5	5CP05	Programming Laboratory - 1	0	0	2	2	1
6		Program Elective – I	3	0	2	5	4
		Total	**15**	**2**	**10**	**27**	**22**

Semester 2

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	5CP06	Wireless Network and Mobile Computing	4	0	2	6	5
2	5CP07	Data Warehousing and Mining	4	0	2	6	5
3	5CP08	Research Design and Methods	0	0	2	2	1
4	5CP09	Programming Laboratory - 2	0	0	2	2	1
5	5CP31	Mini Project	0	0	2	2	1
6		Program Elective – II	3	0	2	5	4
7		Program Elective – III	3	0	2	5	4
		Total	**14**	**0**	**14**	**28**	**21**

Semester 3

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1		Program Elective – IV	3	0	2	5	4
2		Program Elective – V	3	0	2	5	4
3	6CP01	Seminar	0	0	2	2	1
4	6CP31	Dissertation Phase – I	0	0	16	16	8
		Total	**6**	**0**	**22**	**28**	**17**

Semester 4

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	6CP32	Dissertation Phase – II	0	0	28	28	14
		Total Credits Distributions	**35**	**2**	**74**	**111**	**74**

		Program Elective – I, II, III, IV & V					
1	5CP41	Digital Signal Processing	3	0	2	5	4
2	5CP42	Advanced Network Principles and Protocols	3	0	2	5	4
3	5CP43	Neural Networks and Fuzzy Logic	3	0	2	5	4
4	5CP44	Embedded and Real time Systems	3	0	2	5	4
5	5CP45	Software Engineering Methodologies	3	0	2	5	4
6	5CP46	Advanced Internet Technologies	3	0	2	5	4
7	5CP47	Digital Image Processing	3	0	2	5	4
8	5CP48	Cryptography and Information Security	3	0	2	5	4
9	5CP49	Distributed Operating Systems	3	0	2	5	4
10	5CP50	VLSI Design	3	0	2	5	4
11	5CP51	High Performance Computing	3	0	2	5	4
12	5CP52	Big Data	3	0	2	5	4
13	5CP53	Cloud Computing	3	0	2	5	4
14	5CP54	Computer Vision	3	0	2	5	4
15	5CP55	Service Oriented Computing	3	0	2	5	4
16	5CP56	Artificial Intelligence	3	0	2	5	4
17	5CP57	Compiler Design	3	0	2	5	4
18	5CP58	Internet of Things	3	0	2	5	4
19	5CP59	Machine Learning	3	0	2	5	4