

BVM Engineering College (An Autonomous Institution)**Civil Engineering Department****M. Tech.(Construction Engineering & Management)****Semester 1**

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	5CM01	Construction Project Management	3	0	2	5	4
2	5CM02	Advanced Construction Techniques	3	0	2	5	4
3	5MA01	Data Analytics in Engineering	3	0	2	5	4
4	5CM03	Computer Applications-I in Construction Projects	0	0	4	4	2
5		Program Elective - I	3	1	0	4	4
6		Program Elective - II	3	1	0	4	4
Total			15	2	10	27	22

Program Elective - I

1	5CM41	Modern Construction Materials	3	1	0	4	4
2	5CM42	Human Resource Management	3	1	0	4	4
3	5CE01	Hazardous and Solid Waste Management	3	1	0	4	4

Program Elective - II

1	5CM43	Value Engineering	3	1	0	4	4
2	5CM44	Construction Finance and Accounting	3	1	0	4	4
3	5CM45	Automation in Construction Industry	3	1	0	4	4

Semester 2

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	5CM04	Resource Management	3	0	2	5	4
2	5CM05	Operation Research	3	0	2	5	4
3	5CE02	Research Methodology and IPR	2	0	0	2	2
4	5CM06	Computer Applications-II in Construction Projects	0	0	4	4	2
5		Program Elective - III	3	0	2	5	4
6		Program Elective - IV	3	1	0	4	4
7	5CM07	Seminar	0	0	4	4	2
Total			14	1	14	29	22

Program Elective - III

1	5CM46	Construction Contract Management	3	0	2	5	4
2	5CM47	Supply Chain Management	3	0	2	5	4
3	5CM48	Energy Conservation System in Building Construction	3	0	2	5	4
4	5CM50	Green Building	3	0	2	5	4

Program Elective - IV

1	5CE41	GIS-GPS in Civil Engineering	3	1	0	4	4
2	5CM49	Project Risk Analysis and Mitigation Techniques	3	1	0	4	4
3	5EN48	Environmental Impact Assessment	3	1	0	4	4
4	5IF04	Infrastructure Project Management	3	1	0	4	4

Semester 3

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1		Program Elective - V	3	1	0	4	4
2		Open Elective	3	0	0	3	3
3	6CM31	Dissertation - I	0	0	20	20	10
Total			6	1	20	27	17

Program Elective - V

1	6CM41	Management Information Systems	3	1	0	4	4
2	6CM42	Building Maintenance Management	3	1	0	4	4
3	6CM43	Construction Quality Management	3	1	0	4	4
4	6CM44	Construction Safety Management	3	1	0	4	4

Open Elective - I

1	6EN81	Rural Sanitation	3	0	0	3	3
2	6EN82	Analytical Methods for Environmental Monitoring	3	0	0	3	3
3	6IF81	Infrastructure Technology and Management	3	0	0	3	3
4	6SE81	Disaster Management and Mitigation	3	0	0	3	3
5	6TE81	Road Safety and Environmental Impact Assessment	3	0	0	3	3
6	6TE82	Transportation System Analysis	3	0	0	3	3
7	6EE81	Renewable Energy Systems	3	0	0	3	3
8	6MD81	Robust Design	3	0	0	3	3
9	6MD82	Optimization Techniques	3	0	0	3	3

10	6MD83	Reliability Engineering and Quality Control	3	0	0	3	3
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Semester 4

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	6CM32	Dissertation - II	0	0	32	32	16
			0	0	32	32	16
Total Credits Distribution			31	4	76	115	77