

# MVJ College of Engineering, Whitefield, Bangalore

*An Autonomous Institution, Affiliated to VTU, Belagavi*

Scheme of Teaching and Examination 2020-21

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

Effective from the academic year 2021-22

## I SEMESTER M.TECH- (Computer Science & Engineering): 2020-21

S No	Course		Course Title	Teaching Department	Teaching hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in Hours	CIE Marks	SEE Marks	Total marks	
	L	T			P							
1	BSC	MVJ20SCS11	Mathematical Foundation of Computer Science	MATHEMATICS	3	2	0	3	50	50	100	4
2	PCC	MVJ20SCS12	Advanced Database Management Systems	CSE	3	2	0	3	50	50	100	4
3	PCC	MVJ20SCS13	Internet of Things	CSE	3	2	0	3	50	50	100	4
4	PCC	MVJ20SCS14	Data Warehousing and Data mining	CSE	3	0	0	3	50	50	100	3
5	PCC	MVJ20SCS15	Advanced Cloud Computing	CSE	3	0	0	3	50	50	100	3
6	PCC	MVJ20SCSL16	Advanced DBMS Lab	CSE	0	2	2	3	50	50	100	2
7	PCC	MVJ20SCSL17	Internet of Things Laboratory	CSE	0	2	2	3	50	50	100	2
8	IPR	MVJ20IPR18	Research Methodology & IPR	Civil	2	0	0	3	50	50	100	2
<b>Total</b>								24	400	400	800	24
Note: BSC: Basic Science, PCC: Professional Core Course												

## II SEMESTER M.TECH- (Computer Science & Engineering) : 2020-21

S No	Course		Course Title	Teaching Department	Teaching hours/week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in Hours	CIE Marks	SEE Marks		Total marks
	Type	Code			L	T	P					
1	PCC	MVJ20SCS21	Data Analytics	CSE	3	2	0	3	50	50	100	4
2	PCC	MVJ20SCS22	Advanced computer networks	CSE	3	2	0	3	50	50	100	4
3	PCC	MVJ20SCS23	Machine learning	CSE	3	2	0	3	50	50	100	4
4	PCC	MVJ20SCS24	Advance Storage area Networks	CSE	3	2	0	3	50	50	100	4
5	PE	MVJ20SCS25X	Professional Elective 1	CSE	3	0	0	3	50	50	100	3
6	PE	MVJ20SCS26X	Professional Elective 2	CSE	3	0	0	3	50	50	100	3
7	PCC	MVJ20SCSL27	Data Analytics & Machine Learning Laboratory	CSE	0	0	2	3	50	50	100	2
8	Sem	MVJ20SCS28	Technical Seminar	CSE	-	-	-	-	100	-	100	2
<b>Total</b>								18	450	350	800	26

Note: PCC: Professional Core Course, PE: Professional Elective , Sem : Technical Seminar

S No	Professional Elective 1	Course Title	S No	Professional Elective 2	Course Title
1	MVJ20SCS251	Wireless Sensor Networks	1	MVJ20SCS261	Computer Forensics Security
2	MVJ20SCS252	Mobile application development	2	MVJ20SCS262	High Performance Computing
3	MVJ20SCS253	Trends in artificial intelligence and soft computing	3	MVJ20SCS263	Advances in Operating Systems
4.	MVJ20SCS254	Virtual Reality	4	MVJ20SCS264	Digital Video Processing

### III SEMESTER M.TECH- (Computer Science & Engineering): 2020-21

S No	Course		Course Title	Teaching Department	Teaching hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in Hours	CIE Marks	SEE Marks	Total marks	
	L	T			P							
1	Proj	MVJ20SCSP31	Minor Project	CSE	0	0	4	3	50	50	100	4
2	Proj	MVJ20SCSP32	Major Project Phase-1	CSE	0	0	4	3	50	50	100	4
3	Int	MVJ20SCSI33	Internship	CSE	-	-	-	3	50	50	100	10
Proj: Project work, Int: Internship				<b>Total</b>			8	9	150	150	300	18

**IV SEMESTER M.TECH- (Computer Science & Engineering): 2020-21**

S No	Course		Course Title	Teaching Department	Teaching hours/week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in Hours	CIE Marks	SEE Marks	Total marks	
	L	T			P							
1	Proj	MVJ20SCSP41	Major Project Phase-2	CSE	-	-	6	3	50	50	100	18
Proj: Project work					<b>Total</b>		6	3	50	50	100	18