MVJ College of Engineering, Whitefield, Bangalore

An Autonomous Institution, Affiliated to VTU, Belagavi

Scheme of Teaching and Examination 2019-20

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

Effective from the academic year 2019-20

I SEMESTER M.TECH-(Computer Science & Engineering)- 2019-20

S No		Course	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical /Drawing	Duration in Hours	CIE Marks	SEE Marks	Total marks	
	Type	Code			L	T	P					
1	BSC	MVJ19SCS11	Mathematical Foundation of Computer Science	MATHEMATICS	3	2	0	3	50	50	100	4
2	PCC	MVJ19SCS12	Advanced Database Management Systems	CSE	3	2	0	3	50	50	100	4
3	PCC	MVJ19SCS13	Internet of Things	CSE	3	2	0	3	50	50	100	4
4	PCC	MVJ19SCS14	Data Warehousing and Data mining	CSE	3	2	0	3	50	50	100	4
5	PCC	MVJ19IPR15	Research Methodology	CSE	2	0	0	3	50	50	100	2
6	PCC	MVJ19SCSL16	Advanced DBMS Lab	CSE	0	2	2	3	50	50	100	2
7	PCC	MVJ19SCSL17	Internet of Things Laboratory	CSE	0	2	2	3	50	50	100	2
Total					14	12	4	21	350	350	700	22

Note:BSC:Basic Science,PCC:Professional Core Course

II SEMESTER M.TECH-(Computer Science & Engineering) - 2019-20

SNo	Course		Course Title	Teaching Department	Teaching			Examination				Credits
	Type	Code			Theory Lecture L	Tutorial T	Practical/ Drawing P	Duration in Hours	CIE Marks	SEE Marks	Total marks	
1	PCC	MVJ19SCS21	Data Analytics	CSE	3	2	0	3	50	50	100	4
2	PCC	MVJ19SCS22	Advanced computer networks	CSE	3	2	0	3	50	50	100	4
3	PCC	MVJ19SCS23	Machine learning	CSE	3	2	0	3	50	50	100	4
4	PE	MVJ19SCS24X	Professional Elective 1	CSE	3	2	0	3	50	50	100	4
5	PE	MVJ19SCS25X	Professional Elective 2	CSE	3	2	0	3	50	50	100	4
6	PCC	MVJ19SCSL26	Data Analytics & Machine Learning lab	CSE	0	2	2	3	50	50	100	2
7	Proj	MVJ19SCSP27	Minor Project	CSE	0	0	4	-	100	-	100	2
Total					15	12	6	18	400	300	700	24
Note:PCC:Professional Core Course,PE:Professional Elective, Proj:Minor Project												

S No	Professional Elective 1	Course Title	S No	Professional Elective 2	Course Title
1	MVJ19SCS241	Wireless Sensor Networks	1	MVJ19SCS251	Cryptography and Network Security
2	MVJ19SCS242	Mobile application development	2	MVJ19SCS252	High Performance Computing
3	MVJ19SCS243	Trends in artificial intelligence and soft computing	3	MVJ19SCS253	Advances in Operating Systems
4	MVJ19SCS244	Virtual Reality	4	MVJ19SCS254	Video Processing

III SEMESTER M.TECH-(Computer Science & Engineering) - 2019-20

SNo	Course Type	Course Code	Course Title	Teaching Department	Teaching hours/week Theory Lecture (L)	Tutorial (T)	Practical/ Drawing (P)	Examination Duration in hours	CIE Marks	SEE Marks	Total marks	Credits
1	PCC	MVJ19SCS31	Advanced Storage area networks	CSE	3	2	0	3	50	50	100	4
2	PE	MVJ19SCS32X	Professional	CSE	3	0	0	3	50	50	100	3
3	OE	MVJ19SCS33X	Open Elective	CSE	3	0	0	3	50	50	100	3
4	Sem	MVJ19SCS34	Technical Seminar	CSE	0	0	4	3	50	50	100	2
5	Proj	MVJ19SCSP35	MajorProjPhase-1	CSE	0	0	4	3	100	-	100	2
6	Int	MVJ19SCSI36	Internship	CSE	-	-	-	3	50	50	100	7
Total					9	2	8	18	350	250	600	21
Note:PCC:Professional Core Course,PE:Professional Elective, OE:Open Elective Proj:Project Work,Int:Internship Sem:Seminar+												

S No	Professional Elective 3	Course Title	S No	Open Elective	Course Title
1	MVJ19SCS321	Multicore Architecture and Programming	1	MVJ19SCS331	Agile Technologies
2	MVJ19SCS322	Cyber Security & Cyber Laws	2	MVJ19SCS332	Business Intelligence and its Application
3	MVJ19SCS323	Advanced Cloud Computing	3	MVJ19SCS333	Embedded Computing Systems
4	MVJ19SCS324	Advances In Digital Image Processing	4	MVJ19SCS334	Application and Web Security

IV SEMESTER M.TECH-(Computer Science & Engineering) - 2019-20

S No	Course			Course Title	Teaching Department	Teaching hours/week			Examination				Credits
	Course					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total marks	
	Type	Code				L	T	P					
1	Proj	MVJ19SCSP41		MajorProjPhase-2	CSE	-	-	6	3	50	50	100	19
Total								6	3	50	50	100	19
Note:Proj:Projectwork													