



Scheme of Teaching and Examinations
M.Tech., in Mechanical Engineering
(Specialization in Production Management)
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)

Specialization in –(Production Management)											
II SEMESTER											
Sl. No	Course Type	Course Code	Course Title	Teaching Hours per Week			Examination			Credits	
				Theory	Practical/ Seminar	Tutorial/SDA	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	T/S					
1	PCC	MMPM201	Operation Management	3	0	0	03	50	50	100	3
2	PCC	MMPM202	Organization Behaviour	3	0	0	03	50	50	100	3
3	IPCC	MMPM203	Industrial Design and Ergonomics	3	2	0	03	50	50	100	4
4	PEC	MMPM214 x	Professional Elective-3	3	0	0	03	50	50	100	3
5	PEC	MMPM215 x	Professional Elective-4	3	0	0	03	50	50	100	3
6	PCC	MMPM206	Project Management	3	0	0	03	50	50	100	3
7	PCCL	MPML207	QT and QC Lab	0	0	2	03	50	50	100	2
8	AEC/ SEC	MMPM258 x	Ability/Skill Enhancement Course (Offline)	00	02	---	02	50	50	100	1
				01	00	----	01				
TOTAL								400	400	800	22

Note: **PCC**: Professional core. **IPCC**-Integrated Professional Core Courses, **PCC(PB)**: Professional Core Courses (Project Based), **PCCL**-Professional Core Course lab, **PEC**- Professional Elective Courses, **MDC**-Multi-Disciplinary Courses,
L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students)
L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students) **PBLC**: Project Based Learning Course,
Note: **xxx** means specialization code for example **MDE- Design** Engineering, **LDN-** Digital Communication and Networking, **SCE-** Computer Engineering, **CCT-** Construction Technology, **AUD-** Urban Design, **MBA-** Master of Business Administration, **MCA**-Master of Computer Application, etc

Ability Enhancement Courses (AEC): These courses are designed to help students enhance their skills in communication, language, and personality development. They also promote a deeper understanding of subjects like social sciences and ethics, culture and human behaviour, human rights, and the law.

Skill Enhancement Course (SEC): Skill Enhancement Course means a course designed to provide value-based or skill-based knowledge and should contain both theory and lab/hands-on/training/fieldwork. The main purpose of these courses is to provide students with life skills in the hands-on mode to increase their employability.

If AEC/SEC courses are ONLINE (MOOCs) courses suggested by the concerned board of studies. These courses will be made available on [www. online.vtu.ac.in](http://www.online.vtu.ac.in), however online courses are not considered for vertical progression, but qualifying in online courses is mandatory for the award of the degree.

Core Courses	
Course Code	Course Title
MMPM201	Operation Management
MMPM202	Organization Behaviour
MMPM203	Industrial Design and Ergonomics
MMPM214x	Professional Elective-3
MMPM215x	Professional Elective-4
MMPM206	Project Management
MPML207	QT and QC Lab
MMPM258x	Ability/Skill Enhancement Course (Offline/Online)

Elective Courses			
Professional Elective 3		Professional Elective 4	
Course Code under MMPM214x	Course title	Course Code under MMPM215x	Course title
MMPM214A	Supply Chain Management	MMPM215A	Total Quality Management
MMPM214B	Simulation and modelling of production systems	MMPM215B	Product Design and Manufacturing
MMPM214C	Human Resource Management	MMPM215C	Design of Experiments
MMPM214D	Management Information System	MMPM215D	Advanced Manufacturing Practices

Ability/Skill Enhancement Courses (Offline/Online)				
Course Code	Course title	L	P Offline/Online	T/SDA
MMPM258A	Nano Technology	00	02/01	00
MMPM258B	Smart Materials	00	02/01	00
MMPM258C	Precision Engineering	00	02/01	00
MMPM258D	Advanced Processing of Materials	00	02/01	00

