

Specialization in –(DEFENCE TECHNOLOGY)

II SEMESTER											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination				Credits
				Theory	Practical/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	P	T/SDA					
1	IPCC	MMDT201	Systems and Warfare Platforms	03	02	00	03	50	50	100	4
2	PCC	MMDT202	Warfare and Simulation Strategies	03	00	00	03	50	50	100	3
3	PCC	MMDT203	Aerospace Propulsion	03	00	00	03	50	50	100	3
4	PCC	MMDT204	Aerodynamics	03	00	00	03	50	50	100	3
5	PCC	MMDT205	Guidance and Control	03	00	00	03	50	50	100	3
6	PCC	MMDT206	Aerospace System Design and Configuration	03	00	00	03	50	50	100	3
7	PCCL	MDTL207	Aerospace Systems & Navigation Lab	00	03	00	03	50	50	100	2
8	AEC/SEC	MMDT258x	Ability/Skill Enhancement Course (Online)	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)

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Note: **xxx** means specialization code for example **MDE**- DesignEngineering, **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 / Skill Enhancement Courses

Course Code	Course title	L	T/SDA	P
MMDT258A	AI/ML using Python	2	0	2
MMDT258B	MATLAB	2	0	2
MMDT258C	Enhancing Self Competence and Developing Professional Skills	3	0	0
MMDT258D	Ethics, technology and Engineering	3	0	0

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 designedto 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),