Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Programme Core	Programme Elective	University Core	University Elective	Total Credits
19	18	27	6	70

Course Code	Course Title	Course Type	L	T	P	J	C
		PROGRAMME CORE					
MEE5001	Finite Element Methods in Manufacturing	ETL	3	0	2	0	4
MEE5002	Computer Integrated Manufacturing	ETP	2	0	0	4	3
MEE5003	Advanced Materials and Characterization	TH	3	0	0	0	3
MEE5004	Modern Machining Processes	ETP	2	0	0	4	3
MEE5005	Quality and Reliability Engineering	TH	3	0	0	0	3
MEE5025	Mechatronics and Automation	ETL	2	0	2	0	3

Course Code	Course Title	Course Type	L	T	P	J	C
		PROGRAMME ELECTIVE					
MEE6001	Metrology and Non-destructive Testing	ETP	2	0	0	4	3
MEE6002	Optimization Techniques	ETP	2	2	0	4	4
MEE6003	Micro and Nano Manufacturing	TH	3	0	0	0	3
MEE6004	Casting and Welding Technology	ETL	3	0	2	0	4
MEE6005	Virtual Manufacturing	TH	3	0	0	0	3
MEE6006	Theory of Metal Forming	ETP	2	0	0	4	3
MEE6007	Sustainable Manufacturing	TH	3	0	0	0	3
MEE6008	Supply Chain and Logistics Management	TH	3	0	0	0	3
MEE6009	Manufacturing System Simulation	ETL	2	0	2	0	3
MEE6010	Maintenance Engineering	TH	3	0	0	0	3
MEE6011	Manufacturing Information Systems	ETP	2	0	0	4	3
MEE6012	Design and Analysis of Experiments	ETP	2	2	0	4	4
MEE6013	Advanced Tool Engineering	ETP	3	0	0	4	4
MEE6014	Laser Material Processing	ETP	2	0	0	4	3
MEE6015	Additive Manufacturing Technology	ETP	2	0	0	4	3
MEE6052	Industrial Surface Engineering	ETP	2	0	0	4	3

Course Code	Course Title	Course Type	L	T	P	J	C
		UNIVERSITY CORE					
MAT5005	Advanced Mathematical Methods	TH	3	0	0	0	3
MEE6099	Masters Thesis	PJT	0	0	0	0	16
SET5001	Science, Engineering and Technology Project - I	PJT	0	0	0	0	2
SET5002	Science, Engineering and Technology Project - II	PJT	0	0	0	0	2
EFL5097	English and Foreign Language	CDB	0	0	0	0	2

ENG5001 - Fundamentals of Communication Skills - LO
ENG5002 - Professional and Communication Skills - LO
FRE5001 - Francais fonctionnel - TH
GER5001 - Deutsch fuer Anfaenger - TH

Course Code	Course Title	Course Type	L	T	P	J	C
STS6777	Soft Skills M.Tech.	CDB	0	0	0	0	2
STS5001 - Essentials of Business Etiquettes - SS							
STS5001 - Essentials of Business Etiquette and Problem Solving - SS							
STS5002 - Preparing for Industry - SS							
STS5102 - Programming and Problem Solving Skills - SS							
Course Code	Course Title	Course Type	L	T	P	J	C
BRIDGE COURSE							
Course Code	Course Title	Course Type	L	T	P	J	C
NON CREDIT COURSE							