

DEPARTMENT OF FUTURES STUDIES
M.Tech. Programme in Technology Management
(from 2015-16 admission onwards)

Course Outline

Course No.	Course Title	L	T	P	Credits
<i>Semester I</i>					
FUSTM 611	Foresight and Futures Research	2	0	0	2
FUSTM 612	Technological Forecasting and Assessment	3	0	1	3
FUSTM 613	Systems Analysis and Design	2	0	0	2
FUSTM 614	Computer Applications	2	0	0	2
FUSTM 615	Systems Engineering	3	0	0	3
FUSTM 616	Financial Management and Managerial Decisions	3	0	0	3
FUSTM 617	Management of Innovation	2	0	0	2
FUSTM 618	Operations Research and Decision Theory	0	0	9	3
FUSTM 619	Lab I	0	0	9	3
	Total Credits for Semester I				23
<i>Semester II</i>					
FUSTM 621	Combinatorial Optimization	2	0	0	3
FUSTM 622	Modelling and Simulation	3	0	0	3
FUSTM 623	Principles of Technology Management	3	0	0	3
FUSTM 624	IT and its Management	2	0	0	2
FUSTM 625	IPR and Patents: Law, Practice and Consultancy	3	0	0	3
FUSTM 626	Lab II	0	0	9	3
	Elective I	3	0	0	3
	Elective II	2	0	0	2
	Total Credits for Semester II				22
<i>Semester III</i>					
FUSTM 631	Research Methodology and Negotiated Studies	2	2	0	2
FUSTM 632	Industrial Project	0	2	9	3
FUSTM 633	Dissertation (<i>stage I</i>)	0	3	1	8
				5	
	Elective III	2	0	0	2
	Total Credits for Semester III				15
<i>Semester IV</i>					
FUSTM 641	Dissertation (<i>stage-II</i>)	0	9	3	12
				6	
	Total Credits				72

List of Electives

FUSTM 601	Total Quality Management	3	0	0	3
FUSTM 602	Intelligent and Knowledge Based systems	2	0	0	2
FUSTM 603	Management Information Systems	2	0	0	2
FUSTM 604	Computer Aided Design	3	0	0	3
FUSTM 605	Environmental Engineering	3	0	0	3
FUSTM 606	Bio-Medical Engineering	2	0	0	2
FUSTM 607	Systems Dynamics Modelling and Applications	2	0	0	2
FUSTM 608	Econometrics and Economic Forecasting	3	0	0	3
FUSTM 609	Planning and Management of Human Resources	2	0	0	2
FUSTM 6010	Energy, Ecology & Environment	3	0	0	3
FUSTM 6011	Strategic Management	3	0	0	3
FUSTM 6012	IT in Health Care	2	0	0	2
FUSTM 6013	Knowledge Management	3	0	0	3
FUSTM 6014	Computer Aided Decision Support Systems	3	0	0	3
FUSTM 6015	Software Projects Management	2	0	0	2
FUSTM 6016	Structure and Analysis of Complex Networks	2	0	0	2
FUSTM 6017	Intelligent Manufacturing Systems	3	0	0	3
FUSTM 6018	Introduction to Data Analysis	2	0	0	2
FUSTM 6019	Parallel Programming with MPI	1	0	3	2

L- Lecture; T - Tutorial; P- Practical