



SCHOOL OF RESEARCH & TECHNOLOGY

AN ISO 9001: 2008 Certified Institute

Course Outcomes		Department	Civil Engineering
Course Title:	Advanced Highway Construction		
Subject Code:	MTCM-301		
Program:	M.Tech		Semester : III
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know Earthwork and Soling		
2	Student should able to understand Bituminous Properties, requirements & specification .		
3	Student should able to understand Cement Concrete Road Construction		
4	Student should able to understand Reinforced Cement Concrete Road Construction .		
5	Student should able to know CPM/PERT in Highway Construction		
Course Outcomes		Department	Civil Engineering
Course Title:	Bridge engineering		
Subject Code:	MTCM-302		
Program:	M.Tech		Semester : III
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know Earthwork and Soling		
2	Student should able to understand Bituminous Properties, requirements & specification .		
3	Student should able to understand Cement Concrete Road Construction		
4	Student should able to understand Reinforced Cement Concrete Road Construction .		
5	Student should able to know CPM/PERT in Highway Construction		
Course Outcomes		Department	Civil Engineering
Course Title:	Advanced Dam Design and Construction		
Subject Code:	MTCM-303		
Program:	M.Tech		Semester : III
Credits:	T-3+1	P-NIL	Total : 32
Course Outcome			
1	Student should able to know Selection of site for a reservoir; Types of Dams and their choice		
2	Student should able to understand Design of ogee spillway section, Bucket and Energy .		
3	Student should able to understand Elementary Design of Arch Dams		
4	Student should able to understand Methods of Analysis, slip circle Method, Protection of slopes,		
5	Student should able to know Application of Photo elasticity to the Design of Dams		

Course Outcomes		Department	Civil Engineering
Course Title:	Elective- I (A) Advanced Foundation Engineering		
Subject Code:	MTCM-3101		
Program:	M.Tech		Semester : III
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know shallow foundations Bearing Capacity, Terzaghis analysis		
2	Student should able to know use of piles, types of piles, design of Piles		

3	Student should able to know Mechanism of reinforced earth strength characteristics of reinforced soil.
4	Student should able to understand elements of bridge substructure, stability analysis of well foundation .
5	Student should able to know Types of Marine structures elements, design criteria

Course Outcomes	Department	Civil Engineering
Course Title:	Elective- I (B) Multi Storeyed Building	
Subject Code:	MTCM-3102	
Program:	M.Tech	Semester : III
Credits:	T-3+1	P-NIL Total : 04
Course Outcome		
1	Student should able to know structural systems and their suitability.	
2	Student should able to multistoried buildings, preliminary design	
3	Student should able to analysis of shear walled buildings design of sections in reinforced concrete	
4	Student should able to understand yield line analysis of reinforced concrete slabs	
5	Student should able to know earthquake effects and design for ductility.	

Course Outcomes	Department	Civil Engineering
Course Title:	Elective- I Advanced Dam Design And Construction	
Subject Code:	MTCM-3103	
Program:	M.Tech	Semester : III
Credits:	T-3+1	P-NIL Total : 04
Course Outcome		
1	Student should able to know Selection of site for a reservoir; Types of Dams and their choice	
2	Student should able to understand Design of ogee spillway section, Bucket and Energy .	
3	Student should able to understand Elementary Design of Arch Dams	
4	Student should able to understand Methods of Analysis, slip circle Method, Protection of slopes,	
5	Student should able to know Application of Photo elasticity to the Design of Dams	

Course Outcomes	Department	Civil Engineering
Course Title:	Elective- II (A) Pavement Design, Construction and Maintenance	
Subject Code:	MTCM-3201	
Program:	M.Tech	Semester : III
Credits:	T-3+1	P-NIL Total : 04
Course Outcome		
1	Student should able to Design wheel load, Strength characteristics of pavement materials.	
2	Student should able to Design Flexible Pavements	
3	Student should able to Design Rigid Pavements	
4	Student should able to understand Earth roads, Gravel roads, WBM roads, Bituminous pavements .	
5	Student should able to know Typical flexible & rigid pavement failures, Types of highway maintenance	

Course Outcomes	Department	Civil Engineering
Course Title:	Elective- II Remote Sensing and GIS	
Subject Code:	MTCM-3202	
Program:	M.Tech	Semester : III
Credits:	T-3+1	P-NIL Total : 04
Course Outcome		
1	Student should able to know introduction of remote sensing ,electro magnetic spectrum	
2	Student should able to understand opto mechanical electro optical sensors.	
3	Student should able to understand concepts of Tessellations Attributes and Levels of Measurement	
4	Student should able to understand GPS signal structure - Orbit determination and representation,	

5	Student should able to know Kinematic methods -basic constellation of satellite geometry
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Course Outcomes	Department - Civil Engineering		
Course Title:	Elective- II Building Cost And Quality Management		
Subject Code:	MTCM-3203		
Program:	M.Tech		Semester : III
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know estimation of quantites for RCC		
2	Student should able to know analysis of rate for multi Storeyed building works		
3	Student should able to know checking of construction qualities		
4	Student should able to know about measurnment book mode of payment		
5	Student should able to know estimation of building services		