



Course Outcomes		Department -	Civil Engineering
<b>Course Title:</b>	<b>Engineering Mathematics -II</b>		
<b>Course Code:</b>	<b>BT-301</b>		
<b>Program:</b>	<b>B.Tech (CE)</b>	<b>Semester - III</b>	
<b>Credits:</b>	<b>T- 3+1</b>	<b>P- Nil</b>	<b>Total-4</b>
<b>Course Outcome</b>			
1	Introduction to Fourier series gives knowledge about its discontinue function, half range series and method of least squares.		
2	Introduction of laplace transform and applications of laplace transformation to solve the ordinary differential equations.		
3	Second order linear differential equations with variable coefficients		
4	Linear & non – linear differential equations of first order, lagrange’s linear equation, linear homogeneous and non-homogeneous partial differential equation.		

Course Outcomes		Department -	Civil Engineering
<b>Course Title:</b>	<b>Transportation Engg. - I</b>		
<b>Course Code:</b>	<b>CET 302</b>		
<b>Program:</b>	<b>B.Tech (CE)</b>	<b>Semester - III</b>	
<b>Credits:</b>	<b>T- 3+1</b>	<b>P-Null</b>	<b>Total-4</b>
<b>Course Outcome</b>			
1	To study about Tractive Resistances & Permanent Way, Principles of transportation, Modes of transportation, their importance and limitations.		
2	Geometric Design of Station & Yards, Points & Crossings, super elevation, equilibrium, cant and cant deficiency, various Curves, layout details.		
3	To study about Bridge Site Investigation and Planning, collection of bridge design data type of Road & Railway Bridges.		
4	To study Bridge Foundations, Construction, Testing and Strengthening of Bridges.		
5	Design of Tunnels and Bridges Selection of route, engineering surveys, alignment.		

Course Outcomes		Department -	Civil Engineering
<b>Course Title:</b>	<b>Strength of Materials</b>		
<b>Course Code:</b>	<b>CET 303</b>		
<b>Program:</b>	<b>B.Tech (CE)</b>	<b>Semester - III</b>	
<b>Credits:</b>	<b>T- 3+1</b>	<b>P-2</b>	<b>Total-6</b>
<b>Course Outcome</b>			
1	Study about the simple Stress and Strains: Various types of stress and strains		
2	To know about the Principal stresses and strains, mohr’s circle of stresses, Support reactions, shear force and bending moment.		
3	To give knowledge about the bending and deflection.Nectral axis and shear stress distribution, In the beam.		
4	To give knowledge about the Torsion of Shafts & its applications.		
5	To study column and strut using Eulers and Rankine theory.		

Course Outcomes		Department -	Civil Engineering
<b>Course Title:</b>	<b>Building Design and Drawing</b>		
<b>Course Code:</b>	<b>CET 304</b>		
<b>Program:</b>	<b>B.Tech (CE)</b>	<b>Semester - III</b>	
<b>Credits:</b>	<b>T- 3+1</b>	<b>P-2</b>	<b>Total-6</b>
<b>Course Outcome</b>			
1	Drawing of various elements of buildings like footing, Door and windows, Staircase, Lintel and arches.		
2	Use of national building code for building planning, Principles of planning and orientation.		
3	To demonstrate building services like water supply, Electrification, ventilation, fire safety.		
4	To study design and preparation of detailed drawings of various Types of buildings		
5	Able to understand elements of perspective drawing and energy efficient buildings.		

Course Outcomes		Department -	Civil Engineering
<b>Course Title:</b>	<b>Rock Mechanics and Engineering</b>		
<b>Course Code:</b>	<b>CET 305</b>		
<b>Program:</b>	<b>B.Tech (CE)</b>	<b>Semester - III</b>	

<b>Credits:</b>	<b>T- 3+1</b>	<b>P-2</b>	<b>Total-6</b>
<b>Course Outcome</b>			
<b>1</b>	To study about crust and interior of earth, deposition of soil and classification of soils.		
<b>2</b>	To demonstrate Fundamentals of mineralogy and elements of Crystallography		
<b>3</b>	To understand Composition of earth's crust, geology of India		
<b>4</b>	Study about the structures related to rocks, classification and detailed studies of geological structures		
<b>5</b>	Introduction to applied geology and its use in civil engg		
<b>Course Outcomes</b>			
		<b>Department -</b>	<b>Civil Engineering</b>
<b>Course Title:</b> C++ Programming			
<b>Course Code:</b> CET 306			
<b>Program:</b> B.Tech (CE)		<b>Semester - III</b>	
<b>Credits:</b> T- NIL		<b>P-2</b>	<b>Total-2</b>
<b>Course Outcome</b>			
<b>1</b>	Study about the C++ Basics Structure of a c++ program, data types		
<b>2</b>	To know about the Oop Introduction to oop methodology, difference between oop and procedure oriented programming, oop principles.		
<b>3</b>	To give knowledge about the Functions & Classes : Functions: Scope of variables, parameter passing, default arguments		
<b>4</b>	To give knowledge about the Inheritance: Inheritance: defining a class hierarchy, different forms of inheritance		
<b>5</b>	To study Polymorphism: Function overloading, operator overloading, virtual function polymorphism		
<b>Course Outcomes</b>			
		<b>Department -</b>	<b>Civil Engineering</b>
<b>Course Title:</b> Professional Skill-I			
<b>Course Code:</b> BT-307			
<b>Program:</b> B.Tech		<b>Semester-III</b>	
<b>Credits:</b> T-Nil		<b>P-2</b>	<b>Total-2</b>
<b>Course Outcome</b>			
<b>1</b>	Team Work and Leadership qualities of a Leader		
<b>2</b>	Task Planning and its Execution		
<b>3</b>	Business communication and its necessary skills		
<b>4</b>	Various forms of Communication		
<b>5</b>	Report writing and its various formats		