DEPARTMENTOFCOMPUTERSCIENCE & ENGINEERING

COURSE OUTCOMES (COs)

Semester: II

Course Name: Engineering Physics	**CourseCode:BT-201**
Students will be able to:	
CO1:	Review modern physics and their application by using basic concept so quantum mechanics.
CO2:	Learn and apply the basic concepts and properties of matter and waves in day to day life.
CO3:	To learn the typesofsemiconductorsandtheroleofcarrierconcentrationsinconductivity using band theory of solids.
CO4:	Review the use of lasers in engineering, science, medicinesandinthecommunication Systems through optical fiber.
CO5:	Explaintheconceptsofelectrostaticsbyusingtheconceptsofelectromagnetics, dielectrics and Maxwell's equations.

Course Name: Mathematics-II	**CourseCode:BT-202**
Students will be able to:	
CO1:	Explain the basic concept of Ordinary Differential Equation.
CO2:	Describe various methods of solving First and Higher Order Differential Equations.
CO3:	Classify linear and non-linear PDE and their formations and Apply various Characteristic Methods to obtain solutions to PDEs of first and second order, which occur in science and engineering.
CO4:	Explain the principal Techniques and Methods of Complex Function Theory.
CO5:	Develop the Fundamental Concept of Vector Calculus.

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Course Name: Basic Mechanical Engineering	**CourseCode:BT-203**
Students will be able to:	
CO1:	Classify engineering materials on the basis of its nature and learn different mechanical properties through different test on materials.
CO2:	Articulate the measurements and measuring devices used in industrial production engineering.
CO3:	Employ the concept of fluid characteristics & properties in machine components and its working.
CO4:	Administer the properties of flowing fluids within or over the flow & thermal systems through specific laws & processes involved.
CO5:	Appraise the working efficiency of fuel & air based engines using relevant diagrams & properties.

Course Name: Basic Civil Engineering & Mechanics	**CourseCode:BT-204**
Students will be able to:	
CO1:	Identify and differentiate various construction materials and techniques used in building construction by studying test properties and uses of materials.
CO2:	Explain the concept and different techniques of surveying used in surveying by linear and angular measurements.
CO3:	Estimate and understand the process of surveying and mapping in civil engineering along with the understanding of remote sensing.
CO4:	Explain the concept of the system of forces used in civil engineering.
CO5:	Describe the importance of effects of load applied in structure and its analysis.

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Course Name: Basic Computer Engineering	**CourseCode:BT-205**
Students will be able to:	
CO1:	Illustrate the concepts of basics of computer and its modern day uses and technology related applications.
CO2:	Recognize the concepts of programming to solve the given problems and to learn the uses of programming in engineering fields.
CO3:	Illustrate and illustrate the concepts of Object Oriented Programming along with the uses of data structure.
CO4:	Identify the concept of computer networking with its devices used for networking and the need of securing the network.
CO5:	Associate the description of database management system and techniques of data storage using cloud computing along with its application in modern day life.

Course Name: Language Lab &Seminars	**Course Code:BT-206**
Students will be able to:	
CO1:	Able to Introduce himself on professional grounds.
CO2:	Communicate effectively, when given a platform for public speak in and extempore.
CO3:	Demonstrate comprehension skills and proficiency in reading.
CO4:	Convey there ad matter in written form through book reviews and comment on there Material.
CO5:	Learn conversation through Role plays.

Approved By:-
Head of Department