LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY [A]: HYDERABAD

COURSE OUTCOMES

SEMESTER-I

2022-23

(COMMON TO CSE, CSD)

ENVIRONMENTAL SCIENCES	
C11.1	Adopt environmental ethics to attain sustainable development
C11.2	Develop an attitude of concern for the environment
C11.3	Conservation of natural resources and biological diversity.
C11.4	Creating awareness of green technologies formation's security.
C11.5	Imparts awareness for environmental laws and regulations.
C11.6	Apply the principles of ecology and biodiversity for sustainabledevelopment.
ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	
C12.1	Recall the knowledge of Indian Philosophical Foundation.
C12.2	Recognize all religions and their philosophy.
C12.3	Analyze Indian Languages, Culture and Literature.
C12.4	Identify Indian Fine Artistic skills.
C12.5	Assess Indian Education System, Ethics, and Moral Values
C12.6	Discuss Science and Scientists of Medieval and Modern India.
MATHEMATICS-I	
C13.1	Solve engineering problems with the help of Mathematics tool
C13.2	Test for the nature of Sequence and series
C13.3	Calculate the problems on single variable, curvature, evolutes and envelopes and different series
C13.4	Determine the limit, continuity, partial derivatives, Jacobiand and maxima and minima of function of several variables
C13.5	Evaluate double and triple integration and learn its applications
C13.6	Expain and apply the concepts of Vector differentiation, gradient, curl and divergence and its integration
ENGINEERING PHYSICS	
C14.1	Apply various types of crystalline materials in advancement of technology.
C14.2	Analyze the energy levels in constant and periodic potentials to understand the basic properties of materials.
C14.3	Apply duality of matter to solve quantum mechanical problems and remember the basic laws of electricity and magnetism.
C14.4	Interpret the properties of magnetic materials and superconductors.
C14.5	Illustrate working of lasers and optical fibers in high-speed communication.
C14.6	Classify the materials and can justify its application in divergent fields.
PROGRAMMING FOR PROBLEM SOLVING	
C15.1	Formulate simple algorithms and translate the algorithmsto programs using c language.

C15.2	Implement conditional branching & iteration and arrays
C15.3	Apply the function concepts to implement searching andsorting algorithms.
C15.4	Analyze the usage of structures and pointer variable.
C15.5	Apply the concept of pointers for implementing programs on dynamic memory management and stringhandling.
C15.6	Design and implement programs to store data instructures and files.
ENGINEERING PHYSICS LAB	
C16.1	Apply the basic knowledge of semiconductors and understand the I-V characteristics of p-n junction diode, solar cell and thermistors.
C16.2	Evaluate the carrier concentration of a semiconductor materials by applying Hall effect principle.
C16.3	Interpret the basics of electrical properties and apply to semiconductors.
C16.4	Understand the laws of mechanics from Torsional pendulum.
C16.5	Analyze the diffraction phenomenon in measuring the wavelength of laser.
C16.6	Apply the basic principles of light to determine numerical aperture of optical fiber.
PROGRAMMING FOR PROBLEM SOLVING LAB	
C17.1	Choose appropriate data type for implementing programs in C language.
C17.2	Design and implement modular programs involving input output operations, decision making and looping constructs.
C17.3	Implement search and sort operations on arrays.
C17.4	To decompose a problem into functions and to develop modular reusable code
C17.5	Apply the concept of pointers for implementing programs on dynamic memory management and string handling.
C17.6	Design and implement programs to store data in structures and files.
ENGINEERING GRAPHICS & DESIGN PRACTICE	
C18.1	Learn basics of Dimensioning, Detail Drawings and Engineering Design.
C18.2	Demonstrate the projection of point's lines, planes then create virtual drawing by using CAD software.
C18.3	Generating the solid projections& Section of the solids.
C18.4	Develop isometric drawing of simple objects Reading the orthographic Projections of these objects.
C18.5	Differentiate and visualize. 3D to 2D & 2D to 3D Vice- Versa.
C18.6	Use the knowledge of Engineering Graphics to draw floor drawing, Simple Machine Element, Basic Electrical Drawing, Basic Networking Drawing.

DEPARTMENT OF CIVIL ENGINEERING

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C16.3	Demonstrate the basics principles of light absorption and emission to study the characteristics of Solar cell and LED.
C16.4	Interpret the laws electricity and magnetism from Stewart and Gees apparatus, laws of mechanics from Torsional pendulum
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