



DNR COLLEGE OF ENGINEERING & TECHNOLOGY BHIMAVARAM,

**DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING
COURSE OUT COMES**

Program Name:	I B.TECH -EEE	Class / Sem	I/I
Regulation	R20		

CO Statement - Communicative English

Know the significance of cheerful memories of childhood and social discrimination by reading in the form of literature.

Explain good human characteristics and social hindrances among people in the given literature

Assess the hardship in human life to become success

Point out the gender, cast ,religion ,region, race discriminations in human society by reading world literature

Build the positive attitude from the life of successful people from given text.

Form sentences using proper grammatical structures and correct word forms

CO Statement- Mathematics-I

Identify properties of convergent and divergent sequences

Apply mean value theorems in real life problems .

Solve linear differential equations of first, second and higher order.

Solve the differential equations related to various engineering fields.

Identify and solve the different types of partial differential equations.

Apply the concept of multiple integrals in practical problem.

CO Statement- Mathematics-II

Describe the basic properties on elementary row and column operations

Find the characteristics equation , Eigen values and Eigen vectors.

Solve orthogonalisation of the given matrix.

Evaluate the root of algebraic and transcendental equation

Determine interpolating polynomial for the given data.

Calculate the numerical solution of ordinary differentiation.

CO Statement- Programming for Problem Solving Using C

Describe an algorithms and to draw flowcharts for solving problems

Translate flowcharts/algorithms to C Programs, compile and debug programs

Use of Operators ,Two-way/ and Multi-way selection in programs.

Classify use of Arrays and Strings in C program.

Evaluate the concept of Pointers and their different applications.

Illustrate the concept of Functions and File I/O operations and to develop modular reusable code.

CO Statement – Engineering Drawing & Design

Prepare drawings as per standards (BIS).

Solve specific geometrical problems involving points and lines.

Solve specific geometrical problems in plane geometry involving plane figures.

Solve specific geometrical problems in plane geometry involving solid figures.

Produce orthographic projection of engineering components working from pictorial drawings

understand the basic AUTOCAD commands

CO Statement – <u>English Communication Skills Laboratory</u>
Remember and understand the different aspects of English language proficiency with emphasis on LSRW skills.
Apply communication skills through various language learning activities.
Analyze the English speech sounds, stress, rhythm, intonation and syllable division for better listening comprehension.
Exhibit an acceptable etiquette essential in social settings.
Get awareness on mother tongue influence and neutralize it in order to improve fluency and clarity in spoken English.
Improve speaking skills as well as listening skills by listening through the audio clips prescribed.

CO Statement – <u>Electrical Engineering Workshop</u>
Demonstrate the various types of electrical tools, symbols of electrical elements, cables/wires, switches, fuses, fuse carriers, MCB, ELCB, RCCB and MCCB with their specifications and usage.
Measure the Electrical Quantities of Voltage, Current, Power in DC Circuit
Construct the different types of wiring connections of Fluorescent lamp wiring, stair case wiring Go-down wiring
Show the working Practice on printed circuit board of Soldering and de-soldering.
Understand the usage of CRO, function generator. & Regulated power supply and Measurement of AC signal parameters using CRO.
Explain use of different electrical measuring Instruments of Moving Iron, Moving Coil, Electro dynamic and Induction type meters.

CO Statement – <u>Programming for Problem Solving Using C Lab</u>
Explain the Basic concepts of variables and data types
Use of Operators and Expressions
Demonstrate the usage of Conditional and Unconditional statements
Classify the functions and relate functions with respect to arrays and strings
Describe the concept of pointers and structures
Demonstrate the usage of files and Command Line Arguments