



DNR COLLEGE OF ENGINEERING & TECHNOLOGY BHIMAVARAM.
DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING
COURSE OUTCOMES

Program Name:	I B.TECH-ECE	Class / Sem	I/I
Regulation	R20		
CO Statement -MATHEMATICS-I			
Determine the sequence whether it is convergent or divergent by using the appropriate tests.			
Analyse mean value theorems in real life problems.			
Discuss linear differential equations with constant coefficients, complementary function and particular integrals.			
Solve the differential equations related to various engineering fields.			
Explain the different types of partial differential equations.			
Apply the concept of multiple integrals in practical problem.			

CO Statement- ENGLISH			
Identify the context and pieces of specific information by understanding and responding to the written and spoken purpose thoroughly.			
Apply suitable strategies for skimming and scanning to get the main idea of a text and locate specific information.			
Construct sentences using proper grammatical structures and correct word forms.			
Observe the principles of writing to paragraphs, arguments, essays and formal/informal communication.			
Build confidence and adapt themselves to the social and public descriptions, discussions and presentations.			
Support the importance of vocabulary and using them effectively in writing technical articles and presentations of any genre.			

CO Statement-APPLIED CHEMISTRY			
Differentiate the composite plastic materials.			
Use the theory of construction of electrodes, batteries in redesigning new engineering products & categorize the reasons for corrosion			
Synthesize materials for modern advances of engineering technology			
Design models for energy by different natural sources			
Analyze the principles of different analytical instruments			
Describe molecular switches and machines			

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
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 –APPLIED CHEMISTRY LAB
Illustrate volumetric titrations acquires some volumetric skills.
Analyze hard and soft water
Analyze volumetric skills of red-ox titrations with different indicators.
Estimate amount of vitamin c in given sample
Understand the synthesis of nylon & Bakelite
Experiment the instruments like conducto meter , potentiometer ,colorimeter&p ^H meter

CO Statement –ENGLISH COMMUNICATION SKILLS LAB
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.
Remember and understand the different aspects of English language proficiency with emphasis on LSRW skills.

CO Statement – PROGRAMMING FOR PROBLEM SOLVING USING C LAB
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