VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Department of Humanities & Sciences (IT&CSE)
I Year II Semester – R18
Course outcomes

English/ A22005	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Infer the importance of scientific discoveries in promoting social responsibilities
CO2	Comprehend the given texts and respond appropriately for technical and professional purposes.
CO3	Communicate confidently and transfer information into various forms of writing.
CO4	Understand the importance of health and nutrition for a better society.
CO5	Present various forms of business writing skills for successful careers.

Mathematics-II/ A22006	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Classify the various types of differential equations of first order and first degree and apply the concepts of differential equations to the real-world problems.
CO2	Solve higher order differential equations and apply the concepts of differential equations to the real-world problems.
CO3	Find the Laplace Transform of various functions and apply to find the solutions of differential equations.
CO4	Evaluate the multiple integrals and identify the vector differential operators physically in engineering problems.
CO5	Evaluate the line, surface and volume integrals and converting them from one to another by using vector integral theorems.

Chemistry/ A22008	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Acquire knowledge of atomic, molecular and electronic changes related to conductivity
CO2	Apply the various processes of treatment of water for both domestic and industrial purpose
CO3	Apply the knowledge of electrode potentials for the protection of metals from corrosion
CO4	Analyze the major chemical reactions that are used in the synthesis of compounds.
CO5	Apply the knowledge of polymers in every day's life.

Chemistry Lab/ A22086	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Determination of parameters like hardness, alkalinity and chloride content in water.
CO2	Estimation of rate constant of a reaction from concentration-time relationships.
CO3	Determination of physical properties like adsorption, surface tension and viscosity.
CO4	Synthesize a small drug molecule and analyze a salt sample.
CO5	Calculation of strength of compound using instrumentation techniques.

English Communication Skills Lab/ A22084	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Understand the variants in pronunciation.
CO2	Identify the diverse purposes of listening and speaking.
CO3	Discuss ideas in diverse communicative settings.
CO4	Exhibit increased confidence in public speaking.
CO5	Display critical thinking, problem solving and decision making skills through GD's

Programming for Problem Solving -II/ A22502	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Identify various string handling functions in 'C'.
CO2	Develop programs with user defined data types.
CO3	Use Dynamic memory allocation functions with pointers.
CO4	Distinguish between Stacks and Queues.
CO5	Analyze various Dynamic Data Structures.

Programming for Problem Solving -II Lab/ A22582	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Build programs on various string handling functions.
CO2	Develop applications on user defined data types.
CO3	Apply dynamic memory allocation through pointers.
CO4	Implement linear data structures through stacks and queues.
CO5	Create linked list dynamically through stacks and queues.

Engineering Workshop/ A22382	
After completing this course the student must demonstrate the knowledge and ability to	
CO1	Understanding the tools and methods of using to fabricate engineering components
CO2	Applying the measuring techniques to verify the dimensional accuracy
CO3	Evaluating various methods and trades of workshop in the component building