Malineni Lakshmaiah Women's Engineering College::Pulladigunta
Department of ComputerScience and Engineering
Course Outcomes

AY 18-19 **SEM-I**

C101	**ENGLISH -I**	4 0 0
C101.1	Listening and Reading language to gain knowledge in the areas of communication.	
C101.2	Reproduce with accurate grammatical structures to form sentence and paragraph	
C101.3	Selection of vocabulary aptly to the situation	
C101.4	Developing comprehension skills at reading strategies	
C101.5	Improving spoken skills for discussion and demonstration	
C102	**MATHEMATICS-I**	4 0 0
C102.1	Solve first order differential equations and applications	
C102.2	Solve linear differential equations of higher order.	
C102.3	Find the maximum and minimum values of functions of two variables.	
C1024	Determine Laplace transform and Inverse Laplace transform of various functions and use Laplace transform to determine general solution of linear Ordinary differential equations	
C102.5	Find the solution of first order linear and non linear equations, higher order partial differential equations	
C103	**MATHEMATICS-II(MATHEMATICAL METHODS)**	4 0 0
C103.1	Evaluate approximating the roots of algebraic and transcendental equations by iterative methods.	
C103.2	Apply Newton's forward ,backward and Lagranges for equal and unequal intervals.	
C103.3	Evaluate the real definite integrals and solve the first order ordinary differential equations by numerical methods.	
C103.4	Write the Fourier series and Fourier transforms of certain functions	
C103.5	Solve the first order partial differential equations by various methods	
C104	**APPLIED PHYSICS**	4 0 0
C104.1	Explain the need of coherent sources and the condition s for sustained interference.	
C104.2	Analyze different properties of light .	
C104.3	Apply the concept to learn types of Lasers	
C104.4	Illustrate the physical significance of wave functions	
C104.5	Interpret the direct and indirect band gaps of semi conductors .	
C105	**COMPUTER PROGRAMMING**	4 0 0
C105.1	Discuss The fundamentals of algorithms, flowcharts and C-Tokens	
C105.2	Use Suitable control structures for developing code in C	
C105.3	Implement C-programs using derived data types such as arrays, structures	
C105.4	Develop C-programs using pointer and its related concepts	
C105.5	Design Well structured modular programs using file handling functions	
C106	**ENGINEERING DRAWING**	4 0 0
C106.1	Construct polygons, curves and various types of scales using various drawing instruments	
C106.2	Practice ortho graphic projections and to project the points and lines parallel to one plane and inclined to other and also the line inclined to both	

	reference planes			
C106.3	Develop projections of the plane inclined both planes			
C106.4	Develop projections of the various types of solids in different positions inclined to one and both the reference planes			
C106.5	Sketch 3D view through isometric views. The students will able tore present and convert the isometric view to orthographic view and vice versa			
C107	**ENGLISH COMMUNICATION SKILLS LAB-I**	0	0	3
C107.1	Understand public speaking skills for professional level and social purpose			
C107.2	To improve communication skills for academic purpose			
C107.3	To know verbal language of English for competitive purpose			
C107.4	To know pronunciation, stress pattern and intonation of language			
C107.5	Understanding oral communication methods and its techniques			
C108	**APPLIED/ENGINEERING PHYSICS LAB**	0	0	3
C108.1	Understand the quality of instruments on the procedure givel			
C108.2	Determine the wave nature of light on the basis of lasers .			
C108.3	Determine the spacer by using the films and parallel interference			
C108.4	Identify the types of the semoi conductors using Hall effect			
C108.5	Explain and design the circuit by using the p-n junction			
C109	**APPLIED/ENGINEERING PHYSICS VIRTUAL LABS-ASSIGNMENTS**	0	0	2
C109.1	Identify the types of Semiconductors using Hall Effect.			
C109.2	Understand the different structures of the crystals.			
C109.3	Classify the magnetic materials based on the Hysteresis loop .			
C109.4	Explain the working principle Of N.A of optical fiber..			
C109.5	Understand the concepts of the B-H curve.			
C110	**COMPUTER PROGRAMMING LAB**	0	0	3
C110.1	Understand the basic concept of C programming , and its different modules that includes conditional adn looping expressions, Arrays, Strings, Functions, pointers, Structures and file programming			
C110.2	Acquire knowledge about basic concept of writing programm			
C110.3	Role of constants, variables, identifiers, operators, type conversion and other building blocks of C language			
C110.4	Use of conditional expressions and looping statements to solve problems associate dwith conditions and repetitions			
C110.5	Role of functions involving the idea of modularity			

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AY 18-19 **SEM-II**

C111	**ENGLISH -II**	4	0	0
C111.1	Gain knowledge in the area of technology and science			
C111.2	Promotes life skills and social skills			
C111.3	Makes to understand different cultural etiquettes			
C111.4	Understand the need of inventions and discoveries by reading about different scientists			
C111.5	Gain knowledge of environment and its sustainability			
C112	**MATHEMATICS-III**	4	0	0
C112.1	Determine the rank of a matrix and solve the system of linear algebraic equations.			
C112.2	Determine the Eigen values and Eigen vectors of a matrix and discuss the nature of quadratic forms.			
C112.3	Apply Double and Triple integration technique to find areas and volumes covered by region.			
C112.4	Evaluate the Beta and Gamma functions and integrals			
C112.5	Find the normal to the surface and evaluate the Divergence and Curl of vector functions			
C113	**APPLIED CHEMISTRY**	4	0	0
C113.1	Identify the structures ,properties and applications of polymers			
C113.2	Analyse the Quality and composition of fuels			
C113.3	Analyze the mechanism of corrosion and apply the few corrosion control methods			
C113.4	Illustrate the importance of Advanced Materials in Engineering			
C113.5	Stimulate the non-conventional energy source to prodeuce electric power			
C114	**OBJECT OIENTED PROGRAMMING THROUGH C++**	4	0	0
C114.1	Understand the Basic concepts of Object Oriented Programming Principles.			
C114.2	Demonstrate classes, objects, constructors and function over loading concepts.			
C114.3	Implement the concepts of operator over loading, and inheritance.			
C114.4	Experiment with the pointer concepts, polymorphism and virtual functions.			
C114.5	Utilize templates for generic programming and examine the raised exceptions using exception handling.			
C114.6	Outline the Standard Template Library programming model and make use of various containers concepts.			
C115	**ENVIRONMENTAL STUDIES**	4	0	0
C115.1	The need for protecting the producers and consumers in various ecosystems.			
C115.2	Recognize the need to conserve the natural resources.			
C115.3	Conservation practices to protect the biodiversity.			
C115.4	Control the pollution and waste management practices.			
C115.5	Describe the social issue both rural and urban environment.			

C116	**ENGINEERING MECHANICS**	4	0	0
C116.1	Analyze the force system and frictional resistance analytically.			
C116.2	Evaluate the system of forces by graphically.			
C116.3	Determination of centroid or centre of gravity and moment of Inertia for simple and compound Bodies.			
C116.4	Determine and analyze the planar motion of a particle and rigid bodies subjected to dynamic loading.			
C116.5	Derive work energy, impulse momentum method and types of connected system.			
C117	**APPLIED OR ENGINEERING CHEMISTRY LAB**	0	0	3
C117.1	Estimate the unknown solutions by using volumetric titration method			
C117.2	Analyse the quality of water			
C117.3	Construct the Electro chemical cell			
C117.4	Determine the Ph of liquid samples			
C117.5	Measure the strength of acids by conduct metric and potentio metric titrations.			
C118	**ENGLISH COMMUNICATION SKILLS LAB - II**	0	0	3
C118.1	Practice English language pertaining to LSRW skills			
C118.2	Comprehend English language used for debate, discussion and presentation			
C118.3	Able to use and espress ideas in oral communication skills in the view of interviews			
C118.4	Comprehend how to develop writing skills			
C118.5	Helps to acquire vocabulary to avoid errors in the sentence constructions			
C119	**OBJECT ORIENTED PROGRAMMING LAB**	0	0	3
C119.1	Explain g++ compiler and translate basic C programs into C++ programs.			
C119.2	Develop programs using different operators like scope access, new, delete and utilize different function concepts like inline, friend , function overloading and operator overloading.			
C119.3	Construct programs on classes, objects, Constructors and make use of access specifiers in classes.			
C119.4	Utilize inheritance and polymorphism features to implement code reusability			
C119.5	Apply exception handling concepts to handle runtime errors and make use of templates, STL concepts to implement generic programming.			