PSN COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
Melathediyoor, Tirunelveli - 627 152
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE OUTCOMES
Regulation 2018

CO	COURSE OUTCOMES
Course Name: (501001/TECHNICAL ENGLISH)	
CO	COURSE OUTCOMES
CO1	Write cohesively and coherently and flawlessly avoiding grammatical errors
CO2	Listen/view and comprehend different Spoken discourses/excerpts in different accents
CO3	Communicate with one or many listeners' using appropriate communicative strategies
CO4	Read different genres of texts adopting various reading strategies
CO5	Enable writing skills to write comprehend passages, report and paragraph.
Course Name: (501002/ELEMENTARY MATHEMATICS FOR ENGINEERS)	
CO	COURSE OUTCOMES
CO1	Find the Eigen values and Eigen vectors by matrix methods
CO2	Understand different types of sequences of series and their convergence.
CO3	Know the concepts of differentiation and integration and applications of indefinite integral.
CO4	Form and solve the inequalities by LPP and solve transportation problems.
CO5	Understand the concepts of three dimension and form the equations of tangent plane, cone.
Course Name: (501003/APPLIED PHYSICS I)	
CO	COURSE OUTCOMES
CO1	Understand the properties of different types of metals
CO2	Gain knowledge about conductivity of different types of materials
CO3	Study about magnetism property of the materials
CO4	Know the applications of sound waves in engineering & medicine
CO5	Understand the application of laser in engineering & medicine
Course Name: (501004/ APPLIED CHEMISTRY I)	
CO	COURSE OUTCOMES
CO1	Do water Treatment for domestic & industrial purpose
CO2	Study different kinds of advanced materials and their applications
CO3	Study different kinds of polymers & their applications
CO4	Basics of thermo dynamics and its concept
CO5	Familiar with name materials & their applications in different fields
Course Name: (501005/ ENGINEERING GRAPHICS)	
CO	COURSE OUTCOMES
CO1	Perform free hand sketching of basic geometrical shapes and multiple views of objects
CO2	Draw orthographic projections of lines, planes and solids

CO3	Obtain development of surfaces
CO4	Prepare isometric and perspective views of simple solids
CO5	Perform free hand sketching of isometric projection

	Course Name: (501006/ FUNDAMENTALS OF COMPUTERS AND PYTHON PROGRAMMING)
CO	COURSE OUTCOMES
CO1	Know fundamental knowledge on basics of computers and Number System
CO2	Work on MS-Office
CO3	Write, compile and debug simple programs in Python
CO4	Understand the concept of functions in Python
CO5	Use different Compound data types in Python

	Course Name: (501101 / APPLIED PHYSICS & CHEMISTRY LAB - I)
CO	COURSE OUTCOMES
CO1	Gain practical knowledge by applying the experimental methods to correlate with physics and chemistry theory
CO2	Gain working knowledge of fundamental Physics and chemistry
CO3	Apply the design process to engineering application
CO4	Use modern engineering techniques and tools, including software and laboratory instrumentation.
CO5	Gain knowledge about polymerization

	Course Name: (501102/ COMPUTER LAB)
CO	COURSE OUTCOMES
CO1	Create and edit their own documents
CO2	Create and edit sheets and presentations
CO3	Understand the functions of Pton
CO4	Write their own programs to solve problems by using Python
CO5	Write a Python script to perform Matrix addition

	Course Name: (501103/ WORKSHOP PRACTICE)
CO	COURSE OUTCOMES
CO1	Apply the knowledge of pipeline connections to household fittings and industrial buildings
CO2	Prepare the different joints in roofs, doors, windows and furniture.
CO3	Perform the various welding processes and know about its applications
CO4	Produce a tray and funnel using sheet metal
CO5	Prepare square fitting and "V" fitting

Subject Name: COMPUTER ARCHITECTURE

Course Outcomes: The students will be able to

CO1:	Understand the basic concepts of computer system.
CO2:	Understand the concept of computer components.
CO3:	Analyze the various operations on various components.

CO4:	Analyze the different techniques on RISC like types.
CO5:	Understand the concept of computer applications.

Subject Name: DATABASE MANAGEMENT SYSTEMS

Course Outcomes: The students will be able to

CO1:	Define and analyze the major objectives of database technology
CO2:	Explain and define the relational model for databases
CO3:	Design issues of Database
CO4:	Identify the problems in Transaction
CO5:	Analyze the issues involved in Implementation

Subject Name: OOPS AND DATA STRUCTURES

Course Outcomes: The students will be able to

CO1:	Understand the difference between object oriented programming and procedural oriented language an data types in C++
CO2:	Write C++ programs with features such as composition of objects, Operator overloading, inheritance, Polymorphism etc.
CO3:	Assess the various choices of data structure & algorithm methods and their impact on the performance program.
CO4:	Choose an appropriate data structure for a particular problem
CO5:	Simulate problems in the subjects like Operating system, Computer networks and also real world prob in C++

Subject Name: OPERATING SYSTEMS

Course Outcomes: The Students will be able to

CO1:	Understand the fundamental concepts of operating system
CO2:	Understand the concept of processes and threads
CO3:	Analyze the concepts of semaphores and the deadlock handling
CO4:	Analyze the different storage strategies and understand the various types of storage
CO5:	Understand the concept of I/O systems

Subject Name: DATABASE MANAGEMENT SYSTEMS LAB

Course Outcomes: The Students will be able to

CO1:	Create and manipulate their own databases

CO2:	Do a small application with database accessing	

Subject Name: OOPS AND DATA STRUCTURES LAB

Course Outcomes: The Students will be able to

CO1:	Understand the difference between object oriented programming and procedural oriented language an data types in C++
CO2:	Write C++ programs with features such as composition of objects, Operator overloading, inheritance, Polymorphism etc.
CO3:	Assess the various choices of data structure & algorithm methods and their impact on the performance program.
CO4:	Choose an appropriate data structure for a particular problem
CO5:	Simulate problems in the subjects like Operating system, Computer networks and also real world prob in C++

Subject Name: COMPUTER NETWORKS

Course Outcomes: The Students will be able to

CO1:	Understand the basic concepts of Physical Layer and its functions
CO2:	Understand the concept of Data Link Layer and its functions
CO3:	Analyze the various methods in network layer and its functions.
CO4:	Analyze the different techniques on Transport layer and its functions
CO5:	Understand the concept of various methods in Application layer

Subject Name: DESIGN AND ANALYSIS OF ALGORITHMS

Course Outcomes: The Students will be able to

CO1:	Interpret the fundamental needs of algorithms in problem solving
CO2:	Classify the different algorithm design techniques for problem solving
CO3:	Develop algorithms for various computing problems
CO4:	Analyse the time and space complexity of various algorithms
CO5:	Identify the limitations of algorithms in problem solving

Subject Name: JAVA PROGRAMMING

Course Outcomes: The Students will be able to

CO1:	Able to implement, compile, test and run Java program
CO2:	Develop Java programs using OOP principles
CO3:	Develop Java programs implementing the concepts of inheritance and interfaces
CO4:	Build Java applications with exception handling and using I/O streams
CO5:	Develop multi-threaded Java applications

Subject Name: SOFTWARE ENGINEERING

Course Outcomes: The students will be able to

CO1:	Understand the basic concepts and life cycle models in software engineering.
CO2:	Understand the concept of requirement analysis and various Modeling approaches
CO3:	Analyze the various design concepts and understand the architecture mapping with data flow
CO4:	Analyze the different testing strategies and understand the various types of testing
CO5:	Understand software metrics, estimation and risk management

Subject Name: COMPUTER NETWORKS LAB

Course Outcomes: The students shall be able to

CO1:	Understand the basic concepts of Computer networks lab and its functions
CO2:	Understand the concept of Remote method, chatting applications
CO3:	Analyze the various methods on different protocols
CO4:	Analyze the different techniques on routing algorithms
CO5:	Understand the concept of network simulator and its functions.

Subject Name: JAVA Lab

Course Outcomes: The students will be able to

CO1:	Develop and implement Java programs for simple applications that make use of classes
CO2:	Make use of inheritance concept to achieve reusability
CO3:	Write programs using packages and interfaces
CO4:	Develop and implement Java programs with exception handling
CO5:	Develop and implement multithreaded Java programs

Subject Name: FUNDAMENTALS OF COMPUTERS AND PYTHON PROGRAMMING

Course Outcomes: The students will be able to

CO1:	Fundamental knowledge on basics of computers and Number System
CO2:	Work on MS-Office
CO3:	Write, compile and debug simple programs in Python
CO4:	Understand the concept of functions in Python
CO5:	Use different Compound data types in Python.

Subject Name: PROGRAMMING IN C

Course Outcomes: The Students will be able to

CO1:	Have fundamental knowledge on C language

CO2:	Design programs involving decision structures, loops and functions.
CO3:	Define small functions for solving complex applications
CO4:	Write, compile and debug programs in C language using Arrays.
CO5:	Understand the concept of Structure and Union