Course Outcomes(IV Year) 2018-19 Even Sem		
Course Name: Data Analytics		
NO	**Course Outcome**	**Taxonomy**
C421.1	Explain “R” windows environment, data types, and data analytics.	Analyse
C421.2	Explain NoSql, Correlation, and Regression analysis	Evaluate
C421.3	Explain Engineering design, technology, and Business problems related to various type of businesses	Analyse
C421.4	Discus time management skills to, meet various project requirements	Understand
C421.5	Justify how to work efficiently with colleagues by improving communication skills	Evaluate
C421.6	Compare tools, technologies & programming languages which are used in day to day analytics cycle	Analyse
Course Name: Cyber Security		
NO	**Course Outcome**	**Taxonomy**
C422.1	Analyze Threats And Risks Within Context of The Cyber Security Architecture	Analyse
C422.2	Assess Cyber Security Incidents To Apply Appropriate Response	Evaluate
C422.3	Evaluate Decision making Outcomes of Cyber Security Scenarios	Evaluate
C422.4	Select Forensic Toolkits For Hand-Held Devices	Analyse
C422.5	Explain Organizational Implications-Cost Of Cybercrimes and IPR Issues	Understand
C422.6	Explain Social Media Marketing Security And Privacy Implications	Understand
Course Name: Comprehension Viva		
NO	**Course Outcome**	**Taxonomy**
C423.1	Demonstrate originality in the application of knowledge, together with a practical understanding of how established techniques professional enquiries are used to create and interpret knowledge in their discipline.	Apply
C423.2	Infer the students with the taxonomy and terminology of the computer Science and Engineering	Analyse
C423.3	Defend with foundation knowledge in various subjects.	Understand
C423.4	Asses the students with sound skills to solve computational search problems.	Evaluate
C423.5	Understand of techniques applicable to their own area of professional practice.	Understand
C423.6	Assess them to communicate confidently and competently in all spheres.	Evaluate
Course Name: Technical Seminar		
NO	**Course Outcome**	**Taxonomy**
C424.1	Collect, Organize & Analyse information about upcoming technologies /market Demands/current trends.	Apply
C424.2	Exhibit effective communication skills, stage courage, and confidence	Apply
C424.3	Demonstrate intrapersonal skills	Understand
C424.4	Awareness in keeping with new innovations and inventions	Apply

C424.5	To develop skills in doing literature survey, technical presentation and report preparation	Analyse
C424.6	Able to analyse communication behaviours	Create
Course Name: Project Work		
NO	**Course Outcome**	**Taxonomy**
C425.1	Prepare abstract for given project by identifying the requirements	Create
C425.2	Collect the literature related tp the project from vaious sources to analyse the project	Create
C425.3	Design the Necessary modules of the project	Create
C425.4	Choose efficient tools for project implementation	Evaluate
C425.5	Integrate the modules and test the project for different test cases.	Evaluate
C425.6	Prepare project documentation as per given guidelines.	Create

Course Outcomes (III Year) 2018-19 Even Sem		
Course Name: Compiler Design		
NO	**Course Outcome**	**Taxonomy**
C321.1	Describe the functionality of each phase involved in Compilation process	Understand
C321.2	Use the parsing techniques including Bottom-up and Top-down parsing for the given programming construct described in Context Free Grammar	Apply
C321.3	Compare the different representations of intermediate code generation	Analyse
C321.4	express the concepts of storage organization in Runtime environment	Understand
C321.5	Summarize issues in the design of a code generator	Understand
C321.6	Analyse different optimize techniques to improve compiler performance	Analyse
Course Name: Data Warehousing and Mining		
NO	**Course Outcome**	**Taxonomy**
C322.1	Understand the basic concepts of data warehouse and data mining	Understand
C322.2	Apply various techniques to preprocess the data.	Apply
C322.3	Understand online analytical processing technology for efficient mining of data.	Understand
C322.4	Evaluate the performance of frequent itemset mining algorithms.	Evaluate
C322.5	Identify and solve the problems based on supervised and unsupervised learning.	Remember and Apply
C322.6	Mining real world complex data.	Analyse
Course Name: Design Patterns		
NO	**Course Outcome**	**Taxonomy**
C323.1	Construct a design consisting of a collection of modules.	Create
C323.2	Exploit well-known design patterns	Analyze
C323.3	Distinguish between different categories of design patterns.	Analyze
C323.4	Ability to understand and apply common design patterns to incremental/iterative development.	Understand
C323.5	Ability to identify appropriate patterns for design of given problem.	Remember
C323.6	Design the software using Pattern Oriented Architectures.	Create

Course Name: Design and analysis of algorithms		
NO	**Course Outcome**	**Taxonomy**
C324.1	Analyze the complexity of the algorithms	Analyze
C324.2	Use technique divide and conquer to solve the problems	Apply
C324.3	Use techniques greedy, dynamic programming to solve the problems	Apply
C324.4	Design algorithms using advance data structures and implement traversals techniques.	Create
C324.5	Use techniques backtracking, branch and bound, lower bound theory to solve the problems.	Apply
C324.6	understand different classes of problems with reference to their computation difficulties	Understand
Course Name: Web and Internet Technologies		
NO	**Course Outcome**	**Taxonomy**
C325.1	Classify the web servers and experiment Client side scripting with Java Script and DHTML.	Analyse
C325.2	Create Dynamic and Interactive websites using basic web concepts.	Create
C325.3	Apply Server Side Scripting with Servlets and JSP.	Apply
C325.4	Develop programs using PHP.	Create
C325.5	Assess the use of XML to parse the XML Data.	Evaluate
C325.6	Design rich client presentation using AJAX and integrate web services	Create
Course Name: Linux Environment System		
NO	**Course Outcome**	**Taxonomy**
C326.1	Describe and use the LINUX operating system	Apply
C326.2	Demonstrate installing LINUX in a server	Apply
C326.3	Use the fundamental LINUX system tools and utilities	Apply
C326.4	Demonstrate and write shell scripts in order to perform basic shell programming	Apply
C326.5	Understand Booting and Shutting Down	Understand
C326.6	Understand the LINUX file system, core system services and printing	Understand
Course Name: Web and Internet Technologies Laboratory		
NO	**Course Outcome**	**Taxonomy**
C327.1	Design static web pages using HTML5 and CSS	Create
C327.2	Develop Java Script Programs for user defined functions, validate forms and to read XML data.	Create
C327.3	Create programs using Servlet and JSP.	Create
C327.4	Design HTML pages and handle exception handling using Java Script	Create
C327.5	Demonstrate predefined functions and Regular Expressions PHP programs	Apply
C327.6	Create DTD and XML Programs	Create
Course Name: Data Warehousing and Mining Laboratory		
NO	**Course Outcome**	**Taxonomy**
C328.1	Build Data Warehouse and Explore WEKA	Create
C328.2	Perform data preprocessing tasks and Demonstrate performing classification, clustering, regression and association rule mining on data sets	Apply
C328.3	Evaluate the different models of OLAP and data preprocessing	Evaluate
C328.4	Enlist various algorithms used in information analysis of Data Mining Techniques	Remember

C328.5	Demonstrate the knowledge retrieved through solving problems	Apply
C328.6	Develop skills and apply data mining tools for solving practical problems	Create
Course Name: Advanced English Language Communication Skills Laboratory		
NO	**Course Outcome**	**Taxonomy**
C329.1	Learning new vocabulary and analyze the context for proper usage	Apply
C329.2	Analysing the texts and multimedia resources for developing comprehension abilities.	Analyze
C329.3	Evaluate and exhibit acceptable etiquette essential in social and professional settings	Evaluate
C329.4	Develop employability skills by getting command over time management and problem solving strategies.	Create
C329.5	Build efficient Written communication skills by practicing project reports.	Create
C329.6	Build the ability of using language effectively to face interviews, group discussions, public speaking	Create
NO	**Course Outcome**	**Taxonomy**
C3210.1	Classify Linux kernel mode with user mode and differentiate Kernel structuring methods Describe Process management and Thread management strategies.	Analyse
C3210.2	Conceptualize and design efficient and effective algorithmic solutions for different real world problems.	Create
C3210.3	Explain the principles and practice of object oriented analysis and design in the construction of robust, maintainable programs which satisfy their requirements	Understand
C3210.4	Examine various code optimization techniques to improve the performance of a program in terms of speed & space	Apply
C3210.5	Analyze the Conceptual, Logical, and Physical design of Data Warehouses OLAP applications and OLAP deployment.	Analyse
C3210.6	Design to create structure of web page, to store the data in web document, and transport information through web.	Create

Course Outcomes (II Year) 2018-19 Even Sem		
Course Name: Probability and Statistics		
NO	**Course Outcome**	**Taxonomy**
C221.1	Explain the basic concepts of probability, random variables and solve real time problems using Baye's theorem.	Understand
C221.2	Apply probability distributions like Bionomial, Poisson and Normal distributions to solve statistical problems	Apply
C221.3	Analyze the problems of large samples using the techniques of testing of hypothesis.	Analyze
C221.4	Apply the techniques of testing of significance for the small samples.	Apply
C221.5	Evaluation of control charts for describing the quality of a manufactured product.	Evaluate
C221.6	Apply the knowledge of queuing theory to find mean arrival and service rate.	Apply

Course Name: Software Engineering		
NO	**Course Outcome**	**Taxonomy**
C222.1	Understand the different software process models and able to categorize the types of soft wares	Analyze
C222.2	Understand the requirements of modelling a software process	Understand
C222.3	Differentiate modelling strategies and Understand the concepts of architectural design and component -level design	Understand
C222.4	Understand the project management and project maintaience	Understand
C222.5	Understand the user interface design and web app design	Understand
C222.6	Apply various methodologies for design and development of product or process	Apply
Course Name: Computer Organization		
NO	**Course Outcome**	**Taxonomy**
C223.1	Examine functional units of computer, bus structure and addressing mode.	Apply
C223.2	Apply knowledge of algorithm to solve arithmetic problems.	Apply
C223.3	Design a simple computer using hardwired and micro programmed control of the CPU	Create
C223.4	Illustrate the performance issues of CacheMemory and VirtualMemory	Analyse
C223.5	Select appropriate interfacing standards for I/O devices.	Analyse
C223.6	Demonstrate the multiple bus organization and pipelining concepts .	Apply
Course Name: Micro Processors & Interfacing		
NO	**Course Outcome**	**Taxonomy**
C224.1	Describe the architecture and memory organization of 8085 & 8086 microprocessor.	Understand
C224.2	Apply the programming using assembly level language in microprocessors and microcontroller for simple arithmetic, logical, string and real time applications.	Apply
C224.3	Illustrate interfacing of memory and I/O with microprocessors.	Apply
C224.4	Analyze the Interfacing of various peripheral devices (8255,8253 etc) with 8086 microprocessor	Analyze
C224.5	Describe the architecture and memory organization of 8051 microcontroller.	Understand
C224.6	Interface of various peripherals with 8051 microcontroller.	Analyze
Course Name: Object Oriented Programming using Java		
NO	**Course Outcome**	**Taxonomy**
C225.1	Interpret the Syntax, Semantics and Features of java programming language	Understand
C225.2	Interpret the Basic programming constructs in java programming language	Understand
C225.3	Interpret Object Oriented Principles in Java	Understand
C225.4	Develop efficient programs with multitasking features and handle exceptions	Create
C225.5	Develop efficient programs with applets	Create
C225.6	Design User Interface	Create

Course Name: Formal Languages and Automata Theory		
NO	**Course Outcome**	**Taxonomy**
C226.1	Construct the finite state diagrams and interpret properties of sets and its relations.	Create
C226.2	Interpret the basic concepts of Regular expressions, regular languages and regular grammar	Understand
C226.3	Construct context free grammar for various languages, normal forms and regular language	Create
C226.4	Solve the basic concepts of push down automata and recognize the languages.	Apply
C226.5	Design the model of Turing Machine.	Create
C226.6	Analyse the concepts of undecidability	Analyse
Course Name: Micro Processors & Interfacing Laboratory		
NO	**Course Outcome**	**Taxonomy**
C227.1	Interpret the hardware architecture and assembly language programming using MASM.	Understand
C227.2	Execution of arithmetic and logical operations using MASM in 8086.	Apply
C227.3	Execution of string operations using MASM in 8086.	Apply
C227.4	Analyze interfacing of various peripherals with 8086.	Analyze
C227.5	Execution of arithmetic, logical and sorting operations using MASM in 8051.	Apply
C227.6	Analyze interfacing of various peripherals with 8051.	Analyze
Course Name: Java Programming Laboratory		
NO	**Course Outcome**	**Taxonomy**
C228.1	Ability to understand syntax and semantics of Java Programming Language	Understand
C228.2	Ability to write portable programs which work in all environment	create
C228.3	Ability to solve the problem using object oriented approach and design solutions which are robust.	Apply
C228.4	Ability to use Multi-threading and Applet Programming	Create
C228.5	Ability to create user friendly interfaces	Create
C228.6	Ability to design Socket Programming	Create
Course Name: Comprehensive Online Examination - I		
NO	**Course Outcome**	**Taxonomy**
C229.1	Describe the concept of object oriented programming that helps to organize complex programs.	Understand
C229.2	Explain mathematical idea in linear algebra, Graph Theory, Boolean Algebra .	Understand
C229.3	Demonstrate a wide variety of memory technologies both internal and external and also able to Compute CPU and memory performance.	Apply
C229.4	Design recognizer and grammars for different formal languages and identify the language accepted by an automaton or a grammar.	Create
C229.5	Define the terminology, features, classifications, and characteristics embodied in database systems.	Remember

C229.6	Demonstrate the ability to manage a project including planning, scheduling, and testing and risk assessment/management.	Apply