

Department of Computer Science Engg.

Course Outcome Statement

Course:	Code: 18MAT31 Course Name: TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES	Faculty: Prof. Anusha E & Prof. Arpita Kar	Academic Year: 2019 – 20
	Statement		
Course 301.1	Use Laplace transform and inverse Laplace transform in solving differential/ integral equation arising in network analysis, control systems and other fields of engineering.		
Course 301.2	Demonstrate Fourier series to study the behaviour of periodic functions and their applications in system communications, digital signal processing and field theory.		
Course 301.3	Make use of Fourier transform and Z-transform to illustrate discrete/continuous function arising in wave and heat propagation, signals and systems.		
Course 301.4	Solve first and second order ordinary differential equations arising in engineering problems using single step and multistep numerical methods.		
Course 301.5	Determine the externals of functionals using calculus of variations and solve problems arising in dynamics of rigid bodies and vibrational analysis.		

Course Outcome Statement

Course:	Code: 18CS32 Course Name: Data Structures and Applications	Faculty: Prof. Srinivasachar & Prof. Pallavi N	Academic Year: 2019 – 20
	Statement		
Course 302.1	Organize the data into linear and non-linear data structure models for efficient access.		
Course 302.2	Implement operations like searching, insertion, deletion, traversing mechanism etc. on various data structures.		
Course 302.3	Choose appropriate data structure to help realizing simple programs.		
Course 302.4	Use data structures to solve real world problems.		

Course Outcome Statement

Course:	Code: 18CS33 Course Name: Analog and Digital Electronics	Faculty: Prof. Hemalatha & Prof. Sumitha B S	Academic Year: 2019 – 20
	Statement		
Course 303.1	Explain the use of photoelectronics devices, 555 timer IC, Regulator ICs and uA741 opamp IC		
Course 303.2	Make use of simplifying techniques in the design of combinational circuits.		
Course 303.3	Illustrate combinational and sequential digital circuits		
Course 303.4	Demonstrate the use of flipflops and apply for registers •		
Course 303.5	Design and test counters, Analog-to-Digital and Digital-to-Analog conversion techniques.		

Course Outcome Statement

Course:	Code: 18CS34 Course Name: Computer Organization	Faculty: Prof. Ashwin	Academic Year: 2019 – 20
	Statement		
Course 304.1	To provide an overview of computer hardware and software.		
Course 304.2	Describe the basic organization of computer and different instruction formats and addressing modes.		
Course 304.3	Understand the basic organization of computer and different instruction formats and addressing modes.		
Course 304.4	Analyze the concept of pipelining, segment registers and pin diagram of CPU		
Course 304.5	Evaluate various modes of data transfer between CPU and I/O devices		

Course Outcome Statement

Course:	Code: 18CS35 Course Name: Software Engineering	Faculty: Prof. Kavya & Prof. Hanumanthappa H	Academic Year: 2019 – 20
	Statement		
Course 305.1	Design a software system, component, or process to meet desired needs within realistic constraints ,Assess professional and ethical responsibility		
Course 305.2	Make use of Function on multi-disciplinary teams		
Course 305.3	Use the techniques, skills, and modern engineering tools necessary for engineering practice •		
Course 305.4	Analyze, design, implement, verify, validate, implement, apply, and maintain software systems or parts of software systems.		

Course Outcome Statement

Course:	Code: 18CS36 Course Name: Discrete Mathematical Structures	Faculty: Dr. Nalinakshi N & Prof. Bhavya Shivraj	Academic Year: 2019 – 20
	Statement		
Course 306.1	Use propositional and predicate logic in knowledge representation and truth verification.		
Course 306.2	Demonstrate the application of discrete structures in different fields of computer science.		
Course 306.3	Solve problems using recurrence relations and generating functions.		
Course 306.4	Application of different mathematical proofs techniques in proving theorems in the courses.		
Course 306.5	Compare graphs, trees and their applications.		

Course Outcome Statement

Course:	Code: 18CSL37 Course Name:ADE LAB	Faculty: Prof. Hemalatha & Prof. Sumitha B S	Academic Year: 2019 – 20
	Statement		
Course 307.1	This laboratory course enable students to get practical experience in design, assembly and evaluation/testing of		
Course 307.2	Analog components and circuits including Operational Amplifier, Timer, etc. •		
Course 307.3	Combinational logic circuits		
Course 307.4	Flip - Flops and their operations		

Course Outcome Statement

Course:	Code: 18SCL38 Course Name: Data Structures Laboratory	Faculty: Prof. Srinivasachar & Prof. Pallavi N	Academic Year: 2019 – 20
	Statement		
Course 308.1	Analyze and Compare various linear and non-linear data structures		

Course 308.2	Code, debug and demonstrate the working nature of different types of data
Course 308.3	Structures and their applications
Course 308.4	Implement, analyze and evaluate the searching and sorting algorithms
Course 308.5	Choose the appropriate data structure for solving real world problems

Course Outcome Statement			
Course:	Code: 18MAT41 Course Name: COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS	Faculty: Dr. Nalinakshi N & Prof. Nagendra Naik	Academic Year: 2019 – 20
	Statement		
Course 401.1	Use the concepts of analytic function and complex potentials to solve the problems arising in electromagnetic field theory.		
Course 401.2	Utilize conformal transformation and complex integral arising in aerofoil theory, fluid flow visualization and image processing.		
Course 401.3	Apply discrete and continuous probability distributions in analyzing the probability models arising in engineering field.		
Course 401.4	Make use of the correlation and regression analysis to fit a suitable mathematical model for the statistical data		
Course 401.5	Construct joint probability distributions and demonstrate the validity of testing the hypothesis		

Course Outcome Statement			
Course:	Code:18CS42 Course Name: Design and Analysis of Algorithms	Faculty:Prof. RAJENDRA M	Academic Year: 2019 – 20
	Statement		
Course 402.1	Describe computational solution to well known problems like searching, sorting etc		
Course 402.2	Estimate the computational complexity of different algorithms.		
Course 402.3	Develop an algorithm using appropriate design strategies for problem solving.		

Course Outcome Statement			
Course:	Code:18CS43 Course Name: Operating Systems	Faculty:Prof. KAVYA T & Prof. RAKSHITHA B T	Academic Year: 2019 – 20
	Statement		
Course 403.1	Demonstrate need for OS and different types of OS.		
Course 403.2	Apply suitable techniques for management of different resources.		
Course 403.3	Use processor, memory, storage and file system system commands.		
Course 403.4	Realize the different concepts of OS in platform of usage through case studies.		

Course Outcome Statement			
Course:	Code:18CS44 Course Name: Microcontroller and Embedded Systems	Faculty:Prof. SRINIVASACHAR G & Prof. SUMITHA B S	Academic Year: 2019 – 20
	Statement		
Course 404.1	Explain the architecture of ARM and the programming model.		
Course 404.2	Write optimized assembly code to avoid pipeline stalls.		
Course 404.3	Explain h/w functional blocks of an embedded system.		
Course 404.4	Develop firmware for embedded systems using RTOS		
Course 404.5	Evaluate RTOS and development environment.		

Course Outcome Statement			
Course:	Code:18CS45 Course Name:Object Oriented Concepts	Faculty:Prof. VIJAY SWAROOP & Prof. GOUTAM	Academic Year: 2019 – 20
	Statement		
Course 405.1	Understand the fundamental concepts and features of object oriented programming in C++ and JAVA.		
Course 405.2	Write computer Programs using the concepts like inheritance, exception handling, packages, multithreading.		
Course 405.3	Develop simple GUI interfaces for a computer program to interact with users, and Event-based GUI handling principles using Applets and swings.		
Course 405.4	Use the Java SDK (IDE) environment to create, debug and run the programs.		

Course Outcome Statement			
Course:	Code:18CS46 Course Name:Data Communication	Faculty:Dr. AISHWARYA P & Prof. HEMALATHA K N	Academic Year: 2019 – 20
	Statement		
Course 406.1	Illustrate basic computer network technology		
Course 406.2	Identify the different types of network topologies and protocols		
Course 406.3	Enumerate the layers of the OSI model and TCP/IP functions of each layer.		
Course 406.4	Make out the different types of network devices and their functions within a network		

Course Outcome Statement			
Course:	Code:18CSL47 Course Name:Design and Analysis of Algorithms Lab	Faculty:Prof. RAJENDRA M	Academic Year: 2019 – 20
	Statement		
Course 407.1	Design algorithms using appropriate design techniques (brute-force, greedy, dynamic programming, etc.)		
Course 407.2	Implement a variety of algorithms such as sorting, graph related, combinatorial, etc., in a high level language..		
Course 407.3	Apply and implement learned algorithm design techniques and data structures to solve real world problems		
Course 407.4	Analyze and compare the performance of algorithms using language features		

Course Outcome Statement			
Course:	Code:18CSL48 Course Name:Microcontroller and Embedded Systems Lab	Faculty:Prof. SRINIVASACHAR G & Prof. SUMITHA B S	Academic Year: 2019 – 20
	Statement		
Course 408.1	Develop and test program using ARM7TDMI/LPC2148		
Course 408.2	Conduct the experiments on an ARM7TDMI/LPC2148 evaluation board using evaluation version of Embedded 'C' & Keil Uvision-4 tool/compiler		

Course Outcome Statement			
Course:	Code: 17CS51 Course Name: MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY	Faculty: Prof. Sathisha	Academic Year: 2019 – 20
	Statement		
Course 501.1	Student will be able to define the basic terms related to management. Should be able to appreciate the importance of planning & organising.		
Course 501.2	Student will be able to understand the nature, purpose and principles of Staffing, the process of staffing and Types of staffing Should be able to understand the nature, purpose and principles of directing		
Course 501.3	Student will be able to define Entrepreneur – meaning of entrepreneur, types of entrepreneurship, stages of entrepreneurial process, role of entrepreneurs, market		
Course 501.4	Student will understand how to go around doing a project and Resource Planning.		
Course 501.5	Student will know what is the policy of the govt. towards SSI and should know the support provided by the govt. towards SSI. Institutional support:		

Course Outcome Statement			
Course:	Code: 17CS52 Course Name: Computer Networks	Faculty: Dr. Aishwarya P & Prof. Manjula M	Academic Year: 2019 – 20
	Statement		
Course 502.1	Able to develop network applications		
Course 502.2	Able to choose UDP or TCP based on application characteristics		
Course 502.3	Able to configure key parameters of router and IP routing		
Course 502.4	Able to understand complex call flows of wireless networks		
Course 502.5	Able to develop multimedia applications		

Course Outcome Statement			
Course:	Code: 17CS53 Course Name: Database Management Systems	Faculty: Prof. Rajendra M	Academic Year: 2019 – 20
	Statement		
Course 503.1	Identify, analyze and define database objects, enforce integrity constraints on a database using RDBMS.		
Course 503.2	Use Structured Query Language (SQL) for database manipulation.		
Course 503.3	Design and build simple database systems		
Course 503.4	Design and build GUI application to interact with databases.		

Course Outcome Statement			
Course:	Code: 17CS54 Course Name: AUTOMATA THEORY AND COMPUTABILITY	Faculty: Prof. Pallavi N	Academic Year: 2019 – 20
	Statement		
Course 504.1	Introduce core concepts in Automata and Theory of Computation and Understand the concepts of determinism and non determinism and Design DFSA and NFSA		
Course 504.2	Generate Regular Grammar from given Finite Automata by learning the concepts of regular grammar and Apply Pumping lemma for proving Languages not to be in particular language class		
Course 504.3	Generate Context Free Grammar for given language and draw parse tree for the grammar and check the ambiguity and Design Push Down Automata for the given		
Course 504.4	Prove or disprove theorems in automata theory using their properties Design Turing machine for the given language and learn different programming techniques for Turing Machine		
Course 504.5	Determine the decidability and intractability of Computational problems		

Course Outcome Statement			
Course:	Code: 17CS553 Course Name: Advanced Java	Faculty: Prof. Rajendra & Prof. Nagesh V	Academic Year: 2019 – 20
	Statement		
Course 553.1	Interpret the need for advanced Java concepts like enumerations and collections in developing modular and efficient programs		
Course 553.2	Build client-server applications and TCP/IP socket programs		
Course 553.3	Develop applications using Socket programming		
Course 553.4	Develop reusable software components using Java Beans Describe how servlets fit into Java-based web application architecture		
Course 553.5	Illustrate database access and details for managing information using the JDBC API		

Course Outcome Statement			
Course:	Code: 17CS562 Course Name: Artificial Intelligence	Faculty: Prof. Farhana Kausar & Prof. Chandini	Academic Year: 2019 – 20
	Statement		
Course 562.1	Identify the AI based problems		
Course 562.2	Apply techniques to solve the AI problems		
Course 562.3	Define learning and explain various learning techniques		
Course 562.4	Discuss on expert systems		

Course Outcome Statement			
Course:	Code: 17CS563 Course Name: Embedded Systems	Faculty: Prof. Hemalatha K N	Academic Year: 2019 – 20
	Statement		
Course 563.1	Identify the general computing system and the embedded system, also recognize the classification of embedded systems		
Course 563.2	Analyze the architecture of the processor and its programming aspects		
Course 563.3	Design real time embedded systems using the concepts of RTOS		

Course Outcome Statement			
Course:	Code: 17CSL57 Course Name: Computer Networks LAB	Faculty: Prof. Manjula M	Academic Year: 2019 – 20
	Statement		
Course 507.1	Identify the different types of network topologies and protocols.		
Course 507.2	Identify the different types of network devices and their functions within a network		
Course 507.3	Familiarity with the basic protocols of computer networks, and evaluates how they can be used to assist in network design and implementation.		
Course 507.4	Understand the concepts of routing mechanisms , network interfaces, and design/performance issues in local area networks and wide area networks		

Course 507.5	To be familiar with wireless networking concepts
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Course Outcome Statement			
Course:	Code: 17CSL58 Course Name: DBMS LAB	Faculty: Prof. Deeksha & Prof. Rajendra	Academic Year: 2019 – 20
	Statement		
Course 508.1	Create, Update and query on the database.		
Course 508.2	Demonstrate the working of different concepts of DBMS		
Course 508.3	Implement, analyze and evaluate the project developed for an application		

Course Outcome Statement			
Course:	Code:17CS61 Course Name: CRYPTOGRAPHY, NETWORK SECURITY AND CYBER LAW	Faculty: Prof. Avinash & Prof. Sathisha	Academic Year: 2019 – 20
	Statement		
Course 601.1	Explain the basics of cryptography and describe the different types of cyber attacks.		
Course 601.2	Illustrate the various aspects of cryptography and its need in various applications.		
Course 601.3	Describe different authentication techniques and also explore the security protocols used at the network layer and transport layer		
Course 601.4	Explain the cyber security Acts and need of cyber Laws		

Course Outcome Statement			
Course:	Code:17CS62 Course Name: COMPUTER GRAPHICS AND VISUALIZATION	Faculty: Prof. PALLAVI T P & Prof. ADITI BANICHANDRA	Academic Year: 2019 – 20
	Statement		
Course 602.1	Getting hold of basics, evolution of Computer Graphics and introduction to OpenGL		
Course 602.2	Design and implement algorithms for 2D graphics primitives and attributes.		
Course 602.3	Illustrate Geometric transformations on both 2D and 3D objects.		
Course 602.4	Apply concepts of clipping and visible surface detection in 2D and 3D viewing, and Illumination Models.		
Course 602.5	Decide suitable hardware and software for developing graphics packages using OpenGL.		

Course Outcome Statement			
Course:	Code:17CS63 Course Name: System Software and Compiler Design	Faculty: Prof. FARHANA KAUSAR & Prof. CHANDINI U	Academic Year: 2019 – 20
	Statement		
Course 603.1	Exploit the pass1 and pass2 assembler algorithms to generate object programs for SIC and SIC/XE machines		
Course 603.2	Explain various loaders like absolute loader ,bootstrap loader, relocatable loaders and linking loaders.		
Course 603.3	Understand the functioning of a Compiler & design a Scanner using Finite Automata and LEX		
Course 603.4	Understand Context free grammar concepts & design a Parser for a given grammar using Top down and bottom up parsing		
Course 603.5	Understand and apply various Optimization techniques, Code generation techniques on given Intermediate code		

Course Outcome Statement			
Course:	Code:17CS64 Course Name: Operating Systems	Faculty: Prof. MANJULA M & Prof. AVINASH KUMAR	Academic Year: 2019 – 20
	Statement		
Course 604.1	Explain the significance of operating system in computing devices.		
Course 604.2	Describe the communication between application programs and hardware devices through system calls		
Course 604.3	Compare and illustrate various process scheduling algorithms.		
Course 604.4	Apply appropriate memory and file management schemes		
Course 604.5	Illustrate various disk scheduling algorithms.		

Course Outcome Statement			
Course:	Code:17CS651 Course Name: Data Mining and Data Warehouse	Faculty: Prof. HANUMANTHAPPA	Academic Year: 2019 – 20
	Statement		
Course 651.1	Understand Data Warehouse fundamentals, Data Mining Principles		
Course 651.2	Design data warehouse with dimensional modeling and apply OLAP operations		
Course 651.3	Compare & Evaluate different data mining techniques like classification, prediction, clustering and association rule mining		
Course 651.4	Describe complex data types with Respect to web mining		

Course Outcome Statement			
Course:	Code:17CS652 Course Name: Software Architecture and Design Patterns	Faculty: Prof. GOUTAM	Academic Year: 2019 – 20
	Statement		
Course 652.1	Understanding design patterns		
Course 652.2	Comprehend the nature of structural design patterns from different pattern categories, and to be able to apply these patterns in creating an OO design		
Course 652.3	Explore the appropriate patterns for design problems		
Course 652.4	Knowing what are the trade offs of the designing of distributed objects systems from an implementation point of view.		

Course Outcome Statement			
Course:	Code:17CS653 Course Name: Operations Research	Faculty: Prof. DEEKSHA SATISH & Prof. MANJULA M	Academic Year: 2019 – 20
	Statement		
Course 653.1	Identify and develop operational research models from the verbal description of the real system		
Course 653.2	Solve LPP graphically and Apply the concept of simplex method		
Course 653.3	Select and apply optimization techniques extensions simplex method to dual simplex algorithm.		
Course 653.4	Solve transportation problems to minimize cost or maximize profit and understand the principles of assignment of jobs and find optimal assignment		

Course 653.5	Apply game theory for decision support system
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Course Outcome Statement			
Course:	Code:17CS661 Course Name: Python Application Programming	Faculty:Prof. CHANDINI U & Prof. DEEKSHA SATISH	Academic Year: 2019 – 20
	Statement		
Course 661.1	Examine Python syntax and semantics and be fluent in the use of Python flow control and functions		
Course 661.2	Demonstrate proficiency in handling Strings and File Systems		
Course 661.3	Create, Run and Manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular expressions.		
Course 661.4	Implement the concepts of Object-Oriented Programming as used in Python.		
Course 661.5	Implement exemplary applications related to Network Programming, Web Services and Databases in Python.		

Course Outcome Statement			
Course:	Code:17CS664 Course Name: Mobile Application Development	Faculty:Prof. MARJANA KHATHIMA	Academic Year: 2019 – 20
	Statement		
Course 664.1	Understanding the design, test, debug and publish Android application by setting up Android development environment		
Course 664.2	Understanding to implement adaptive, responsive user interfaces that work across a wide range of devices and long running tasks and background work in Android applications		
Course 664.3	Interpret methods in storing, sharing and retrieving data in Android applications		
Course 664.4	Understanding the performance of android applications and understand the role of permissions and security		

Course Outcome Statement			
Course:	Code:17CSL67 Course Name: System Software and Operating System Lab	Faculty:Prof. FARAHANA KAUSAR & Prof. CHANDINI U	Academic Year: 2019 – 20
	Statement		
Course 607.1	Implement and demonstrate Lexer's		
Course 607.2	Implement and demonstrate Parser's like shift reduce parsing, predictive parsing		
Course 607.3	Implement different algorithms required for management, scheduling, allocation and communication used in operating system		
Course 607.4	Implement intermediate code generation for triples		

Course Outcome Statement			
Course:	Code:17CSL68 Course Name: Computer Graphics Lab with Mini Project	Faculty:Prof. PALLAVI T P & Prof. ADITI RAJAGHANDBA	Academic Year: 2019 – 20
	Statement		
Course 608.1	Demonstrate simple algorithms using OpenGL Graphics Primitives and attributes.		
Course 608.2	Implementation of line drawing and clipping algorithms using OpenGL functions		
Course 608.3	Design and implementation of algorithms Geometric transformations on both 2D and 3D objects.		
Course 608.4	Animate real world problems using OpenGL		
Course 608.5	Implement Computer Graphics real time applications using OpenGL		

Course Outcome Statement			
Course:	Code:15CS71 Course Name: Web Technology & Applications	Faculty: Prof. Goutam R	Academic Year: 2019 – 20
	Statement		
Course 701.1	Design Web Pages using Html and CSS		
Course 701.2	Develop Client-Side Scripts using JavaScript and Server-Side Scripts using PHP to generate and display the contents dynamically		
Course 701.3	Apply the principles of object oriented development using PHP		
Course 701.4	Inspect JavaScript frameworks like jQuery and Backbone which facilitates developer to focus on core features.		

Course Outcome Statement			
Course:	Code:15CS72 Course Name: Advanced Computer Architecture	Faculty:Prof. Sumitha B S& Prof. Manjula M	Academic Year: 2019 – 20
	Statement		
Course 702.1	Understandparallel computer models, scalability analysis, theory of parallelism, program flow mechanism, performance laws and program behaviors		
Course 702.2	Analyze the working of advanced processors, cache and memory technology.		
Course 702.3	Analyze shared memory, consistency models, coherence protocols and pipelining techniques		
Course 702.4	Understand and analyze shared memory multiprocessors, vector and SIMD super computers, message passing multicomputers and multithreaded architectures.		
Course 702.5	Understand parallel programming models, software environments and compiler development for parallel/ vector computers		

Course Outcome Statement			
Course:	Code: 15CS73 Course Name: Machine Learning	Faculty: Prof. Farhana Kausar & Prof. Goutham	Academic Year: 2019 – 20
	Statement		
Course 703.1	Identify the problems for machine learning. And select the either supervised, unsupervised or reinforcement learning.		
Course 703.2	Explain theory of probability and statistics related to machine learning		
Course 703.3	Investigate concept learning, ANN, Bayes classifier, k nearest neighbor, Q,		
Course 703.4	Identify applications suitable for different types of machine learning models		

Course Outcome Statement			
Course:	Code:15CS741 Course Name: Natural Language Processing	Faculty:Prof. Chandini	Academic Year: 2019 – 20
	Statement		
Course 741.1	Understand NLP and Grammar based models.		
Course 741.2	Illustrate information retrieval techniques.		
Course 741.3	Study various case studies related to NLP Models and text retrieval		

Course Outcome Statement			
Course:	Code:15CS744 Course Name: UNIX System Programming	Faculty:Prof. Rakshitha	Academic Year: 2019 – 20
	Statement		
Course 744.1	Understand the UNIX Architecture, File systems and use of basic Commands.		
Course 744.2	Use of editors and Networking commands.		
Course 744.3	Understand Shell Programming and to write shell scripts.		
Course 744.4	Understand and analyze UNIX System calls, Process Creation, Control & Relationship.		

Course Outcome Statement			
Course:	Code:15CS752 Course Name: COMPUTER VISION AND ROBOTICS	Faculty:Prof. Srinivasachar	Academic Year: 2019 – 20
	Statement		
Course 752.1	Review image processing techniques for computer vision		
Course 752.2	Explain shape and region analysis		
Course 752.3	Illustrate Hough Transform and its applications to detect lines, circles, ellipses		
Course 752.4	Contrast three-dimensional image analysis techniques, motion analysis and applications of computer vision algorithms		

Course Outcome Statement			
Course:	Code:15CS753 Course Name: Digital Image Processing	Faculty:Prof. Hanumanthappa	Academic Year: 2019 – 20
	Statement		
Course 753.1	Understand the Basic fundamental Image Processing steps		
Course 753.2	Explain linear and non linear operations on images		
Course 753.3	Identify the mathematical aspects of Image Transforms		
Course 753.4	Explain the Concept of Image Enhancement in Spatial domain		
Course 753.5	understand the basic concepts of Spatial Filtering frequency domain		

Course Outcome Statement			
Course:	Code:15CS754 Course Name: Storage Area Network	Faculty: Prof. Kavya D N	Academic Year: 2019 – 20
	Statement		
Course 754.1	Evaluate storage architectures		
Course 754.2	Define backup, recovery, disaster recovery, business continuity, and replication		
Course 754.3	Examine emerging technologies including IP-SAN		
Course 754.4	Understand logical and physical components of a storage infrastructure , Identify components of managing and monitoring the data center		
Course 754.5	Define information security and identify different storage virtualization technologies		

Course Outcome Statement			
Course:	Code:15CSL76 Course Name: MACHINE LEARNING LABORATORY	Faculty:Prof. Farhana Kausar & Prof. Goutham	Academic Year: 2019 – 20
	Statement		
Course 706.1	Understand the implementation procedures for the machine learning algorithms.		
Course 706.2	Design and understand machine learning algorithms without Python libraries		
Course 706.3	Apply appropriate data sets to the Machine Learning algorithms		
Course 706.4	Identify and apply Machine Learning algorithms to solve real world problems.		

Course Outcome Statement			
Course:	Code:15CSL77 Course Name: WEB TECHNOLOGY LABORATORY WITH MINI PROJECT	Faculty: Prof. Goutam R	Academic Year: 2019 – 20
	Statement		
Course 707.1	Design and develop dynamic web pages with good aesthetic sense of designing and latest technical know-how's.		
Course 707.2	Have a good understanding of Web Application Terminologies, Internet Tools other web services.		
Course 707.3	Learn how to link and publish web sites		

Course Outcome Statement			
Course:	Code:15CS81 Course Name: Internet of Things and Applications	Faculty:Prof. HEMALATHA K N & Prof. ADITHYAN	Academic Year: 2019 – 20
	Statement		
Course 801.1	Understand IoT Market perspective		
Course 801.2	Understand State of the Art – IoT Architecture		
Course 801.3	Identify the basic components in IoT		
Course 801.4	Identifying the evolution of the Network Layer for IoT		
Course 801.5	Connecting IoT concepts to Real Time Applications with Privacy and Security		

Course Outcome Statement			
Course:	Code:15CS82 Course Name: Big Data Analytics	Faculty:Prof. SUMITHA B S & Prof. KAVYA D N	Academic Year: 2019 – 20
	Statement		
Course 802.1	Understand Hadoop Distributed File system and examine MapReduce Programming		
Course 802.2	Explore Hadoop tools and manage Hadoop with Ambari		
Course 802.3	Appraise the role of Business intelligence and its applications across industries		
Course 802.4	Assess core data mining techniques for data analytics		
Course 802.5	Identify various Text Mining techniques		

Course Outcome Statement			
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Course:	Code:15CS832 Course Name: User Interface Design	Faculty:Prof. MARJANA KHATHIMA	Academic Year: 2019 – 20
	Statement		
Course 832.1	Describe the principles of design, human characteristics in design, explain the business functions and design standards		
Course 832.2	Explain the concepts of menus and windows		
Course 832.3	Explain the concepts of screen based controls and usability testing		

Course Outcome Statement			
Course:	Code:15CS834 Course Name: System Modeling and Simulation	Faculty:Prof. PALLAVI N & Prof. KAVYA T	Academic Year: 2019 – 20
	Statement		
Course 834.1	Explain the system concept and apply functional modeling method to model the activities of a static system.		
Course 834.2	Describe the behaviour of a dynamic system and create an analogous model for a dynamic system.		
Course 834.3	Simulate the operation of a dynamic system and make improvement according to the simulation results.		

Course Outcome Statement			
Course:	Code:15CS84 Course Name: Internship/ Professional Praticice	Faculty:Prof. VIJAY SWAROOP	Academic Year: 2019 – 20
	Statement		
Course 804.1	Understand industry level work in Internship		
Course 804.2	Able to state which types of skills they have learnt from Internship		
Course 804.3	Able to state how real time projects will be done through Internship		
Course 804.4	Describe his/her experience and Assessment		
Course 804.5	Able to document the Internship as a report		

Course Outcome Statement			
Course:	Code:15CS85 Course Name: Project Work Phase II	Faculty:Prof. SRINIVASACHAR G	Academic Year: 2019 – 20
	Statement		
Course 805.1	Able to perform literature survey to arrive at the problem statement		
Course 805.2	Able to state the objectives and outline the methodology		
Course 805.3	Able to design and develop the solution for the problem		
Course 805.4	Able to critically analyze the results		
Course 805.5	Able to document the project as a report		

Course Outcome Statement			
Course:	Code:15CS86 Course Name: Seminar	Faculty:Prof. PALLAVI N	Academic Year: 2019 – 20
	Statement		
Course 806.1	To expose students to the real working environment and get acquainted with the organization structurand administrative functionse,		
Course 806.2	To promote and develop presentation skills and import a knowledgeable society.		
Course 806.3	To set the stage for future recruitment by potential employers.		

NOTE:

- 100 series 101...etc First semester subjects including Practicals, Projects etc.,
- 200series 201...etc Second semester subjects including Practicals, Projects etc.,
- 300 series 301...etc Third semester subjects including Practicals, Projects etc.,
- 400 series 401...etc Fourth semester subjects including Practicals, Projects etc.,
- 500 series 501...etc Fifth semester subjects including Practicals, Projects etc.,
- 600 series 601...etc Sixth semester subjects including Practicals, Projects etc.,
- 700 series 701...etc Seventh semester subjects including Practicals, Projects etc.,
- 800 series 801...etc Eighth semester subjects including Practicals, Projects etc.,