

COURSE OUTCOMES FOR ACADEMIC YEAR 2020-2021

COURSE	TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES				
COURSE CODE:	18MAT31 SEMESTER-3 SCHEME-2018				
CO Numbers	Course Outcomes				
18MAT31.1	Use Laplace transform and Inverse Laplace transform in solving differential / Integral equation arising in network analysis, control systems and other fields of engineering.				
18MAT31.2	Demonstrate Fourier functions and their a signal processing and	series to study the beht pplications in system com- field theory.	naviour of periodic munications, digital		
18MAT31.3	continuous function a systems.	transform and Z-transform to trising in wave and heat prop	agation, signals and		
18MAT31.4	engineering problems	order ordinary differential of using single step and m	ulti step numerical		
18MAT31.5	Determine the extremand solve problems a analysis.	mals of functionals using ca rising in dynamics of rigid bo	alculus of variations odies and vibrational		

COURSE NAME	DATA STRUCTURES AND APPLICATIONS				
COURSE CODE:	18CS32	SEMESTER-3 SCHEME-2018			
CO Numbers		Course Outcomes			
18CS32.1	Apply different types of data structures, operation and algorithms for searching, sorting and pattern matching for the given problems.				
18CS32.2	Illustrate the operations of stack and queues and Implement the algorithms for stack and queue applications.				
18CS32.3	Distinguish between SLL, DLL and CLL by its operations and Implement algorithms for its applications such as polynomials and sparse matrix.				
18CS32.4	Illustrate the operations of trees and Implement the algorithms for the given problems using binary trees.				
18CS32.5	Implement the algorithms for searching, sorting and file manipulation operations in different applications.				

COURSE	ANALOG AND DIGITAL ELECTRONICS	
NAME		



COURSE CODE:	18CS33	SEMESTER-3	SCHEME-2018
CO Numbers		Course Outcomes	
18CS33.1			their applications and etween analog and digital
18CS33.2	Understand and Describe different types of combinational logic circuits by using abridge mapping techniques.		
18CS33.3	Understand and Gate fan-in, Oper PLD's.	Design combinational loration of Decoders, End	ogic circuits with limited coders, Multiplexers and
18CS33.4		ational logic circuits usi orking of Sequential Circu	ng VHDL simulation and ait.
18CS33.5			cessing circuits using flip

COURSE NAME	COMPUTER ORGANIZATION		
COURSE CODE:	18CS34	SEMESTER-3	SCHEME-2018
CO Numbers		Course Outcomes	
18CS34.1	Explain the working of a computer system by using machine level instructions.		
18CS34.2	Analyse and Choose appropriate interrupt hardware for communication with I/O devices.		
18CS34.3	Explain different types of memory architecture and illustrate memory mapping, replacement and its performance		
18CS34.4	choosing appropriate a		
18CS34.5	Explain the processing unit, organization of processor and pipelining.		

COURSE	SOFTWARE ENGINEERING		+
NAME:	1		
COURSE CODE:	18CS35	SEMESTER-3	SCHEME-2018
CO Numbers	Course Outcomes		
18CS35.1	Understand software engineering principles, ethics, software process with software models and requirement engineering.		
18CS35.2	Describe object orientation and Demonstrate system model using UML diagrams.		
18CS35.3	Describe different sy and understand RUP	rstem models using UML dia	agram, design pattern



18CS35.4	Compare various testing and Recognize the importance of software maintenance and describe the details involved in software evolution.
18CS35.5	Apply estimation techniques, schedule project activities, compute pricing and identify software measurements and metrics for quality management.

COURSE NAME:	DISCRETE MATHEMATICAL STRUCTURES		
COURSE CODE:	18CS36	SEMESTER-3	SCHEME-2018
CO Numbers	Course Outcomes		
18CS36.1	Understand fundamentals of logic and apply proposition and predicate logic in correctness of argument.		
18CS36.2	Demonstrate the property of integer and solve problems using fundamental principles of counting.		
18CS36.3	Apply relations and functions concepts to solve fundamentals problems.		
18CS36.4	Understand the principle of inclusion and exclusion, recurrence relations and apply to solve complex problems.		
18CS36.5		trees, and understand the a	applications of graph

COURSE NAME:	ANALOG AND DI	GITAL ELECTRONICS	LABORATORY
COURSE CODE:	18CSL37	SEMESTER-3	SCHEME-2018
CO Numbers	Course Outcomes		
18CSL37.1	Design analog circuits along with different electronics devices and components.		
18CSL37.2	Design and Implement several combinational logic circuits.		
18CSL37.3	Design and Implement several sequential logic circuits.		
18CSL37.4	Design and Implement various data processing circuits.		
18CSL37.5	Understand and simulate numerous analog and digital circuits		

COURSE	DATA STRUCTURES LABORATORY
NAME:	DATA STRUCTURES LABORATORY



COURSE CODE:	18CSL38	SEMESTER-3	SCHEME-2018
CO Numbers	Course Outcomes		
18CSL38.1	Design, Develop and in operations and application	nplement programs	on array and string
18CSL38.2	Design, Develop and imple List operations and applic	ment programs on S	tack, Queue and Linked
18CSL38.3	Design, Develop and impoperations.		Tree, Graph and Heap
18CSL38.4	Design, Develop and imple and Hashing operations.	ement programs on F	iles, Searching , Sorting

COURSE NAME:	COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS		
COURSE CODE:	18MAT41	SEMESTER-4	SCHEME-2018
CO Numbers	Course Outcomes		
18MAT41.1	Use the concepts of analytic function and complex potentials to solve the problems arising in electromagnetic field theory		
18MAT41.2	Utilize conformal transformation and complex integral arising in aerofoil theory, fluid flow visualization and image processing.		
18MAT41.3	Apply discrete and continuous probability distributions in analyzing the probability models arising in engineering field		
18MAT41.4	Make use of the correlation and regression analysis to fit a suitable mathematical model for the statistical data.		
18MAT41.5	Construct joint probability distributions and demonstrate the validity of testing the hypothesis.		

COURSE NAME:	COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS				
COURSE CODE:	18CS42	SEMESTER-4	SCHEME-2018		
CO	Course Outcomes				
Numbers	1 C - I ith ma hy applying				
18CS42.1	Understand the performance analysis of algorithms by applying asymptotic notations.				
18CS42.2	Describe computational solution to well-known problems using divide and conquer method.				
	Analyse the performance of various greedy algorithms.				
18CS42.3	Analyse the performance of various ground and analyse the performance of various ground and analyse the performance of various ground and the performance of various ground gr				
18CS42.4	Design and analyse dynamic-programming algorithms.				



18CS42.5 Estimate the computational complexity of different algorithms.

COURSE NAME:	OPERATING SYSTEMS					
COURSE CODE:	18CS43 SEMESTER-4 SCHEME-2018					
CO Numbers	Course Outcomes					
18CS43.1	Understand the fundamentals of OS and process management concepts.					
18CS43.2	Apply suitable technique for process scheduling and understand the concept of synchronization					
18CS43.3	Understand and apply various concepts of deadlock detection, prevention and memory management strategies.					
18CS43.4	Understand the concept of virtual memory management and file systems.					
18CS43.5	Understand the concepts of secondary storage structures and Linux OS using case studies.					

COURSE NAME:	MICRO CONTROLLER AND EMBEDDED SYSTEMS				
Course Code:	18CS44 SEMESTER-4 SCHEME-2018				
CO Numbers	Course Outcomes				
	Describe the architectural features and instructions of ARM microcontroller.				
18CS44.2	Understand the programming ARM for different applications and Interface external devices and I/O with ARM Microcontroller.				
18CS44.3	Interpret the basic hardware components and their selection method based on the characteristics and attributes of an embedded system.				
18CS44.4	Develop the hardware/software co-design and firmware design approaches.				
18CS44.5	Demonstrate the need of real time operating system for embedded system applications.				

COURSE NAME:	OBJECT ORIENTED CONCEPTS	



COURSE CODE:	18CS45	SEMESTER-4	SCHEME-2018	
CO Numbers	Course Outcomes			
18CS45.1	Explain and Implement the object-oriented concepts for solving simple problems using C++ features.			
18CS45.2				
18CS45.3	Elucidate the need of classes, inheritance and exception handling in JAVA language and develop simple programs of JAVA for corresponding problem statement.			
18CS45.4	Explain the need interface in JAVA lar a given problem state	of multithreaded programs aguage and develop simple ement.	ming, packages and programs of JAVA for	
18CS45.5	Understand the swir user interface using problem statement.	ngs and event handling and exen swing components and even	create an appropriate t handling for a given	

COURSE NAME:	DATA COMMUNICATION				
COURSE CODE:	18CS46 SEMESTER-4 SCHEME-2018				
CO Numbers	Course Outcomes				
18CS46.1	Illustrate basic computer network technology.				
18CS46.2	Explain the various components of data communication.				
18CS46.3	Explain the fundamentals of digital communication and switching.				
18CS46.4	Distinguish various data link layer protocols.				
18CS46.5	Summarize IEEE 802.xx standards				

COURSE	DESIGN AND AN	VALYSIS OF ALGORITHMS	S LABORATORY		
COURSE CODE:	18CSL47 SEMESTER-4 SCHEME-2018				
CO Numbers	Course Outcomes				
18CSL47.1	Apply and implement various object oriented concepts to solve real world problems.				
18CSL47.2	Design algorithms using brute-force, greedy, dynamic programming, divide and conquer approaches to analyse the performance.				



18CSL47.3	Implement	algorithms	such	assorting,	graph	related,
	combinatori	al, to analyse	the per	formance.		
18CSL47.4	Apply and compare the performance of algorithms that use back					
	tracking pri	nciple.				
18CSL47.5	Apply/implement algorithm design techniques and data					
	structures t	o solve real w	orld pro	blems.		

COURSE NAME	MICRO CONT	ROLLER AND E	MBEDDED SYSTEMS LA	ABORATORY
COURSE CODE:	18CSL48	SEMESTER-4	SCHEME-20	
18MAT48.1	Understand	the ARM'	7/TDMI/LPC2148	evaluation
	board/simulator like embedded C, Keil µ-Vision-4			μ-Vision-4
	tool/Compile	er.		
18CSL48.2	Develop the Microcontroller conceptual programs to			
	solve various arithmetic and logical problems.			
18CSL48.3				
	ADC			
18CSL48.4	Design and Develop the programs to implement the			
	LED, LCD a			

COURSE NAME	SA	MSKRUTHIKA KANNAD	A		
COURSE CODE:	18KAK49	SEMESTER-4	SCHEME-2018		
CO Numbers	Course Outcomes				
18KAK49.1	Understand about Samskruthika Kannada.				
18KAK49.2	Understand the grammar of Kannada language				
18KAK49.3	Remember about how to use punctuation in articles.				
18KAK49.4	Understand about how to write applications and letters for Government and semi-Government offices for different purposes.				

COURSE NAME	MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTR			
COURSE CODE:	18CS51	SEMESTER-5	SCHEME-2018	



CO Numbers	Course Outcomes			
18CS51.1	Explain management, organization, planning, staffing and outline their importance in entrepreneurship.			
18CS51.2	Understand the meaning and nature of directing, communication, co-ordination, controlling.			
18CS51.3	Understand the development of entrepreneurship as a field of study and as a profession.			
18CS51.4	Identify and prepare a project by using resources available through ERP.			
18CS51.5	Analyse industrial policies set by government on micro and small enterprises using various Case studies.			

COURSE NAME	COMPUTER NETWORKS AND SECURITY		
COURSE CODE:	18CS52	SEMESTER-5	SCHEME-2018
CO Numbers	Course Outcomes		
18CS52.1	Explain the principles of application layer protocols		
18CS52.2	Classify transport layer services and infer UDP and TCP protocols		
18CS52.3	Classify routers, IP and Routing Algorithms in network layer		
18CS52.4	Explain the basics of network security and algorithms used in security.		
18CS52.5	Describe Multimedia Networking and Network management		

COURSE NAME	DATABASE MANAGEMENT SYSTEM			
COURSE CODE:	18CS53	SEMESTER-5	SCHEME-2018	
CO Numbers	Course Outcomes			
18CS53.1	Design schema and ER diagram using RDBMS.			
18CS53.2	Modify database by applying relational model and relational algebra.			



18CS53.3	Design and build simple database systems or applications using embedded and dynamic SQL.
18CS53.4	Understand and apply dependencies, normalization and normalization algorithms on a designed database.
18CS53.5	Understand transaction processing, concurrency control and database recovery protocols.

COURSE NAME	AUTOMATA THEORY AND COMPUTABILITY		
COURSE CODE:	18CS54	SEMESTER-5	SCHEME-2018
CO Numbers	Course Outcomes		
18CS54.1	Explain the core concepts in Automata theory and Theory of		
	Computation		
18CS54.2	Construct Grammars and Automata for various language		
	classes like RL's, CFL's and Decidable Languages.		
18CS54.3	Develop skills in formal reasoning and become knowledgeable		
	about restricted models of computation such as Regular and		
	Context free.		
18CS54.4	Analyse different computational models and translate between		
	various models.		
18CS54.5	1 to mean article of		
10000	languages, grammars and Automata.		

COURSE NAME	APPLICATION DEVELOPMENT USING PYTHON		
COURSE CODE:	18CS55	SEMESTER-5	SCHEME-2018
CO Numbers		Course Outcomes	
18CS55.1	Understand and implement the basic programming constructs with flow control statement, functions and Exception handling.		
18CS55.2	Understand and implement the data structures in python such as List, Tuples, Strings and Dictionaries techniques.		
18CS55.3	Understand and demonstrate pattern matching technique with RE, complete file system and debugging.		
18CS55.4	Interpret and apply OOP's the concepts such as classes and objects, class and methods, classes and functions and Inheritance in Python.		



18CS55.5	Comprehend and apply the processes of web scraping,
	working with Excel spread sheets, PDF, Word, CSV, JSON file
	formats.

COURSE NAME	UNIX PROGRAMMING		
COURSE CODE:	18CS56	SEMESTER-5	SCHEME-2018
CO Numbers		Course Outcomes	
18CS56.1	Explain the architecture, and Use of basic commands and types in UNIX.		
18CS56.2	Understand and Analyse how to view and modify file permissions, Implement various connecting commands used in UNIX such as grep, egrep and also perform pattern matching and also Design various shell scripts for a given problem.		
18CS56.3	Elucidate UNIX File System and different UNIX File types and also Implement various process commands and process relationships		
18CS56.4	Implement Inter-process communications using the various methods like Pipes, FIFO and Message Queues		
18CS56.5		arious UNIX signals w of Daemon Process.	ith programs and



COURSE NAME	COMPUTER NETWORK LABORATORY		
COURSE CODE:	18CSL57	SEMESTER-5	SCHEME-2018
CO Numbers	Course Outcomes		
18CSL57.1	Implement, analyze and evaluate various networking concepts like Point-to-point, Ping messages and Ethernet LAN using NS2/NS3.		
18CSL57.2	Implement, analyze and evaluate performance of ESS, GSM and CDMA using NS2/NS3.		
18CSL57.3	Demonstrate the working of different concepts of networking like cryptography algorithm, routing algorithm and congestion control algorithm.		
18CSL57.4	Demonstrate the working of Transport layer protocols using socket programming.		

COURSE NAME	DBMS LABORATORY WITH MINI PROJECT		
COURSE CODE:	18CSL58	SEMESTER-5	SCHEME-2018
CO Numbers	Course Outcomes		
18CSL58.1	Design the schema and choose appropriate relationship between them.		
18CSL58.2	Create and update the tables using SQL.		
18CSL58.3	Analyze and Develop the query and views for the given database.		
18CSL58.4	Demonstrate the working of different concepts of DBMS.		
18CSL58.5	Design, Develop and implement the projectdeveloped for an application.		

COURSE NAME	SYSTEM SOFTWARE AND COMPILERS		
COURSE CODE:	18CS61	SEMESTER-6	SCHEME-2018
CO Numbers	Course Outcomes		



18CS61.1	Design and Apply SIC assembler translation process of given source program to Machine language program, and Analyse the architectural features of SIC standard and SIC/XE systems, Understand Design Options of SIC Assembler.		
18CS61.2	Understand the Structure of the Compiler and Design the process of		
	Lexical Analyzer.		
18CS61.3	Analyze and Design different types of parsers and Apply the Parser		
	process for a given source string and respective grammar		
18CS61.4	Design and Demonstrate some programs using LEX and YACC		
	programming languages.		
18CS61.5	Understand SDD and SDT, Apply the operations of intermediate		
	code generation phase, code generation phase, and code		
	optimization phase to a given example source code.		

COURSE NAME	COMPUTER GRAPHICS AND VISUALIZATION		
COURSE CODE:	18CS62	SEMESTER-6	SCHEME-2018
CO Numbers		Course Outcomes	
18CS62.1	Understand suitable hardware and software to develop graphic packages using OpenGL and implement algorithm for 2D graphics using primitives and attributes		
18CS62.2	Apply concepts of polygon fill area functions for 2D geometric primitives and Implement OpenGL geometric transformation functions for 2D objects.		
18CS62.3	Apply concepts of line clipping algorithm and illuminations models for 2D geometric primitives and Implement OpenGL geometric transformation functions for 3D objects.		
18CS62.4	Comprehend projection transformation matrices for 2D and 3D viewing and Apply visible surface detection methods using OpenGL functions.		
18CS62.5	Implement menu driven interactive programs using OpenGL functions and Explain corresponding OpenGL functions for curves and surfaces.		

COURSE NAME	WEB TECHNOLOGY AND ITS APPLICATIONS		
COURSE CODE:	18CS63	SEMESTER-6	SCHEME-2018
CO Numbers	Course Outcomes Understand the basics of HTML & CSS and Implement the basic and advanced concepts of HTML and CSS through client sided programming.		



18CS63.1	
18CS63.2	Comprehend the basics of JavaScript and Implement the basic and advanced concepts of JavaScript through client sided programming.
18CS63.3	Demonstate the basic programming constructs in PHP and Implement the basic and advanced concepts of PHP through server sided programming.
18CS63.4	Elucidate the different concepts of web technology and Implement the concepts such as managing state, cookies, serialization, session, AJAX, XML and JSON using PHP programs

COURSE NAME	ADVANCED JAVA AND J2EE		
COURSE CODE:	18CS644	SEMESTER-6	SCHEME-2018
CO Numbers	Course Outcomes		
18CS644.1	Comprehend the basics of enumerations, auto boxing and annotations and Apply the concepts with typical programs.		
18CS644.2	Explain the basics of different collections and interfaces and Apply the concepts with appropriate program.		
18CS644.3	Explain and Implement types of string constructors and string handling methods and operations.		
18CS644.4	Elucidate and Implement servlets, HTTP Requests and Responses, and JSP in web applications		
18CS644.5	Illustrate and Ap JDBC/ODBC brid	pply database connectivity dge.	and access through

COURSE NAME	OCCUPATIONAL HEALTH & SAFETY				
COURSE CODE:	18CV653 SEMESTER-6 SCHEME-2018				
CO Numbers	Course Outcomes				
180SH653.1	Identify hazards in the workplace that pose danger or threat to their safety or health, or that of others.				
18OSH653.2	Control unsafe o run health hazards and propose methods to eliminate the hazard.				
18OSH653.3	hazard both ver				



180SH653.4	Discuss the role of health and safety in the workplace pertaining to the responsibilities of workers, managers, supervisors
180SH653.5	Identify the decisions required to maintain protection of the environment, workplace.
18OSH653.6	Identify the decisions required to maintain personal health and safety

COURSE NAME	NON CONVENTIONAL ENERGY SOURCES				
COURSE CODE:	18ME651 SEMESTER-6 SCHEME-201				
CO Numbers		Course Outcomes			
18ME651.1	Describe the environmental aspects of non-conventional energy resources. In comparison with various conventional energy systems, their prospects and limitations.				
18ME651	Describe the use of solar energy and the various components used in the energy production with respect to applications likeheating, cooling, desalination, power generation, drying, cooking etc.				
18ME651	Appreciate the need of Wind Energy, OTEC and the various components used in energy generation and know the classifications.				
18ME651	Acquire the knowledge of fuel cells, wave power, tidal power and geothermal principles and applications.				
18ME651	Understand the co	oncept of Biomass energy es of biogas Plants applica	resources and their		

COURSE NAME	COMPUTER GR	APHICS LABORATORY A	ND MINI PROJECT
COURSE CODE:	18CSL67	SEMESTER-6	SCHEME-2018
CO Numbers		Course Outcomes	
18CSL67.1	Apply the concepts of computer graphics		
18CSL67.2	Animate real world problems using OpenGL		
18CSL67.3	Implement computer graphics applications using OpenGL		



COURSE NAME	MOBILE APPLICATION DEVELOPMENT		
COURSE CODE:	18CSMP68	SEMESTER-6	SCHEME-2018
CO Numbers		Course Outcomes	
18CSMP68.1	Create, test and debug Android application by setting up Android development environment.		
18CSMP68.2	Implement adaptive, responsive user interfaces that work across a wide range of devices.		
18CSMP68.3	Infer long running tasks and background work in Android applications.		
18CSMP68.4	Demonstrate methods in storing, sharing and retrieving data in Android applications		
18CSMP68.5	Infer the role of permissions and security for Android applications.		

COURSE NAME	WEB TECHNOLOGY AND ITS APPLICATIONS		
COURSE CODE:	17CS71	SEMESTER-7	SCHEME-2017
CO Numbers		Course Outcomes	
17CS71.1	Understand the basics of HTML & CSS and Implement the basic and advanced concepts of HTML and CSS through client sided programming.		
17CS71.2	Comprehend the basics of JavaScript and Implement the basic and advanced concepts of JavaScript through client sided programming.		
17CS71.3	Demonstate the basic programming constructs in PHP and Implement the basic and advanced concepts of PHP through server sided programming.		
17CS71.4	Elucidate the different concepts of web technology and Implement the concepts such as managing state, cookies, serialization, session, AJAX, XML and JSON using PHP programs		

COURSE	ADVANCED COMPUTER ARCHITECTURES(ACA)
NAME	



COURSE CODE:	17CS72	SEMESTER-7	SCHEME-2017
CO Numbers		Course Outcomes	
17CS72.1	Differentiate the theperformance n	e parallel computer monetrics of scalable parallel	odels and Identify
17CS72.2	Analysethe vario	ous hardware technologie	es using processors
17CS72.3	Distinguish the performance of pipelining and non-pipelining environment in a processor		
17CS72.4	Compare and contrast the parallel and scalable architectures		
17CS72.5	Demonstrate the software for parallel programming concepts		

COURSE NAME	MACHINE LEARNING		
COURSE CODE:	17CS73	SEMESTER-7	SCHEME-2017
CO Numbers		Course Outcomes	
17CS73.1	Study fundamental issues and find solutions to problems relevant to machine learning		
17CS73.2	Study and reproduce theimplementation of decision tree algorithm to solve different problems.		
17CS73.3	Comprehend and apply Artificial Neural Network techniques to solve certain problems in Machine Learning		
17CS73.4	Conceptualize and visualize the statistical hypothesis and probabilities using Bayesian learning theorem to solve the problem in machine learning		
17CS73.5	Evaluating and estimating the accuracy of hypothesis model in machine learning and understand and apply instance based and reinforcement learning		

COURSE NAME	UNIX SYSTEM PROGRAMMING			
COURSE CODE:	17CS744	SEMESTER-7	SCHEME-2017	
CO Numbers		Course Outcomes		
17CS744.1	Understand various Standards (like ANSI C, ANSI C++, POSIX), Feature Test Macros and API Common Characteristics			
17CS744.2	AnalyseUNIX File Types and different UNIX File APIs.			



17CS744.3	Understand Process, Process control, Process relationships and controlling terminals, Also Demonstrate various process commands like Create process (fork), wait, execute process (exec), exit from the process (exit), etcin the C program.
17CS744.4	Discuss the UNIX signals and Daemon Process.
17CS744.5	Demonstrate Inter-Process Communications using the various methods.

COURSE NAME	STORAGE AREA NETWORK			
COURSE CODE:	17CS754	SEMESTER-7	SCHEME-2017	
CO Numbers		Course Outcomes		
17CS754.1	Explain key challenges in managing information and develop intelligent storage system using the different components.			
17CS754.2	Explain components of FC-SAN, NAS and virtualization in SAN and choose different protocols for storage networking.			
17CS754.3	Determine backup recovery, disaster recovery, business continuity and replication.			
17CS754.4	Classify Cloud computing models based on characteristics and its benefits and describe the different forms of storage automation and virtualization.			
17CS754.5		ecurity in storage infra	structure and its	

COURSE NAME		MACHINE LEARNING LA	В
COURSE CODE:	17CSL76	SEMESTER-7	SCHEME-2017
CO Numbers		Course Outcomes	
17CSL76.1	Implement and hypothesis	ing angor	ithms for defining
17CSL76.2	algorithms	working of various clusteri	
17CSL76.3	Illustrate approach	of approximating real value	ed target function
17CSL76.4		Machine Learning algorithm	



COURSE NAME	PROJECT PHASE1+SEMINAR				
COURSE CODE:	17CSP78	SEMESTER-7	SCHEME-2017		
CO Numbers	Course Outcomes				
17CSP78.1	Understand various technologies in the areas of computer science and engineering.				
17CSP78.2	Understand the relationship between theory and practice and the essential links between them				
17CSP78.3	Apply the knowledge they have gained to improve the presentation skill and communication skill				
17CSP78.4	Transcend the Implementation details of the various components to encompass an appreciation for the structure of computer systems and the processes involved in their construction and analysis.				
17CSP78.5	Createsolutions to solve real problems				

COURSE NAME	INTERNET OF THINGS TECHNOLOGY				
COURSE CODE:	17CS81	SEMESTER-8	SCHEME-2017		
CO Numbers	Course Outcomes				
17CS81.1	Interpret the impact and challenges posed by IoT networks leading to new architectural models.				
17CS81.2	Compare and contrast the deployment of smart objects and the technologies to connect them to network				
17CS81.3	Explain the role of IoT protocols for efficient network communication				
17CS81.4	List the need for Data Analytics and Security in IoT				
17CS81.5	Illustrate different sensor technologies for sensing real world entities and identify the applications of IoT in Industry.				

COURSE NAME		BIG DATA ANALYTIC	S	
COURSE CODE:	17CS82	SEMESTER-8	SCHEME-2017	
CO Numbers		Course Outcomes		
17CS82.1	Master the concepts of HDFS and MapReduce framework			
17CS82.2	Investigate Hadoop related tools for big data analytics and perform			



	basic Hadoop administration
17CS82.3	Recognize the role of business intelligence, data warehousing and visualization in decision making
17CS82.4	Infer the importance of core datamining techniques of data analytics
17CS82.5	Compare and contrast different text mining techniques

COURSE NAME	SYSTEM MODELLING AND SIMULATION			
COURSE CODE:	17CS834	SEMESTER-8	SCHEME-2017	
CO Numbers	Course Outcomes			
17CS834.1	Understand the system concept and apply functional modeling method to model the activities of a static system			
17CS834.2	Explain the behavior of a dynamic system and create an analogous model for a dynamic system;			
17CS834.3	Experiment with improvement accor	the operation of a dynamirding to the simulation result	c system and make	

COURSE		INTERNSHIP			
NAME					
COURSE CODE:	17CS84	SEMESTER-8	SCHEME-2017		
CO Numbers	Course Outcomes				
17CS84.1	Design and develop engineering skills through specific tasks carried out in a suitable real-world environment and business organization.				
17CS84.2	Inspect the important and skill environment and	act of one's developing pills in society and Ada ethical values.	personal knowledge, pt to the Industry		



17CS84.3	principles by writing reports and design documentation with presentations.		
17CS84.4	Model the complex engineering problems and activities by applying appropriate techniques with help of modern IT tools		

COURSE NAME	PROJECT WORK PHASE II				
COURSE CODE:	17CSP85	SEMESTER-	5	SCHEME-2	2017
CO Numbers	Course Outcomes				
17CSP85.1	Students will acquire the ability to make links across different areas of knowledge and to generate, develop and evaluate ideas and information so as to apply these skills to the project task.				
17CSP85.2	systems approac			blems utilis	sing a
17CSP85.3	1.0	esting on the solut			
17CSP85.4	Demonstrate the	e knowledge, sk neer.	cills and	attitudes	of a

COURSE NAME	SEMINAR			
COURSE CODE:	17CSS86	SEMESTER-5	SCHI	EME-2017
CO Numbers	Course Outcomes			
17CSS86.1	Understand the various technologies in the areas of computer science and engineering. Apply the knowledge they have gained to improve the presentation			
17CSS86.2	skill			
17CSS86.3	Apply the knowled communication skill	lge they have g	gained to	improve the

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