

K. S. Institute of Technology
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COURSE OUTCOMES 2019-23 BATCH
I SEMESTER

Course code 18MAT11	Course: CALCULUS AND LINEAR ALGEBRA
18MAT11.1	Make use of matrix theory for solving system of linear equations and compute Eigen values and Eigen vectors required for matrix diagonalization process.
18MAT11.2	Establish the notation of partial differentiation to calculate rates of change of multivariate functions and solve problems related to composite functions and Jacobians.
18MAT11.3	Apply the knowledge of calculus to solve problems related to polar curves and its applications in determining the bending of a curve.
18MAT11.4	Solve first order linear/nonlinear differential equations analytically using standard methods.
18MAT11.5	Utilize the concept of change of order of integration and variables to evaluate multiple integrals and their usage in computing the area and volumes.

Course code 18CHE12	Course: ENGINEERING CHEMISTRY
18CHE12.1	Make use of Electrochemical energy systems, battery by using the principles of electrochemistry and study its applications.
18CHE12.2	Identify the concepts of corrosion & apply their knowledge for protection of metals from using different method.
18CHE12.3	Solve energy crisis, knocking in IC engine and emission of toxic pollutants using alternate energy sources (Solar energy, biodiesel and power alcohol).
18CHE12.4	Utilize of sewage treatment, desalination of sea water and control of environmental pollution.
18CHE12.5	Build the knowledge of instrumental methods of analysis and applications of nano materials.

Course code 18CPS13	Course: C PROGRAMMING FOR PROBLEM SOLVING
18CPS13.1	Illustrate simple algorithms from the different domains such as mathematics and physics.
18CPS13.2	Construct a programming solution to the given problem using C.
18CPS13.3	Construct C programs by using arrays, strings and develop modular programs using basic algorithms.
18CPS13.4	Make use of functions and recursion concepts, develop and implement C programming.
18CPS13.5	Construct the C programs by using structures and pointer concepts.

Course code 18ELN14	Course: BASIC ELECTRONICS
18ELN14.1	understand the characteristics and operation of Semiconductor Devices
18ELN14.2	Design electronic circuits for different applications
18ELN14.3	Design analog circuits using operational amplifiers
18ELN14.4	Design Combinational and Sequential circuits using digital electronic fundamentals
18ELN14.5	Illustrate the principles of communication system

Course code 18ME15	Course: ELEMENTS OF MECHANICAL ENGINEERING
18ME15.1	Demonstrate different types of sources of energy; environmental issues like global warming, Ozone depletion, Basic concepts of thermodynamics and steam.
18ME15.2	Illustrate the Boilers and its accessories; principle of operation of different types Turbines and pumps; types of IC engines, Refrigeration and air conditioning and its working principle.
18ME15.3	Explain the Properties, composition and application of engineering metals; Joining processes, belt drive and gear drives; Machining process like Lathe and milling process; Advanced machining processes like CNC and Robots.
18ME15.4	Calculate the internal energy, entropy and enthalpy of thermodynamic system; thermodynamic properties of steam; the efficiency, power and other related working parameters of IC engines.
18ME15.5	Derive the length of the belt in open and cross belt drive and solve the related problems of Belt drive and gear drives.

Course code 18CHEL16	Course: ENGINEERING CHEMISTRY LAB
18CHEL16.1	Estimate the amount of analyte present in the solution using the principles of electro analytical techniques (pH Meter, Conductometer, Potentiometer, Flame Photometry and Photoelectric Colorimeter)
18CHEL16.2	Determine the viscosity coefficient of liquid using Ostwald's Viscometer
18CHEL16.3	Estimate the amount of CaO in cement and Total Hardness of water by complex metric Titration
18CHEL16.4	Estimate the % of copper in brass by Iodometric Titration
18CHEL16.5	Estimate the amount of iron in hematite ore and COD in waste water by Redox Titration & Estimate the % of chlorine in bleaching powder by Iodometric Titration.

Course code 18CPL17	Course: C PROGRAMMING LAB
18CPL17.1	Illustrate the knowledge on various parts of a computer.
18CPL17.2	Develop flow charts and write algorithms for every C programs.
18CPL17.3	Develop C problem solving skills.
18CPL17.4	Develop modular programming skills
18CPL17.5	Analyze the tracing and debugging of a program

Course code 18EGH18	Course: TECHNICAL ENGLISH - I
18EGH18.1	Make use of grammatical english and essentials of language skills and identify nuances of phonetics and intonation and flawless pronunciation.
18EGH18.2	Construct english vocabulary at command and language proficiency.
18EGH18.3	Identify common errors in spoken and written communication.
18EGH18.4	Apply and improve the non verbal communication and kinesics.
18EGH18.5	Build in campus recruitment, engineering and all other general competitive examinations

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Course code 18MAT21	Course: ADVANCED CALCULUS AND NUMERICAL METHODS
18MAT21.1	Apply the knowledge of numerical methods in the modeling of various physical and engineering phenomena
18MAT21.2	Demonstrate various physical models through higher order differential equations and solve such linear ordinary differential equations.
18MAT21.3	Construct a variety of partial differential equations and solution by method of separation of variables.
18MAT21.4	Illustrate the applications of multivariate calculus to understand the solenoid and irrational vectors and also exhibit the inner dependence of line, surface and volume integrals.
18MAT21.5	Explain the application of infinite series and obtain series solutions of ordinary differential equations

Course code 18PHY22	Course: ENGINEERING PHYSICS
18PHY22.1	Obtain the knowledge of Quantum Mechanics; compute Eigen values, Eigen function, momentum of atomic and subatomic particles. Apprehend theoretical background of laser, construction and working of different types of lasers and its application in different fields.
18PHY22.2	Make use of different theoretical models to study the electrical and thermal properties of materials like conductors, semiconductors and dielectrics to understand its use in engineering applications.
18PHY22.3	Build the concept of shock waves; discover the role of shock waves in various fields. Understand the various types of oscillations and their implications.
18PHY22.4	Identify the elastic properties of materials; impart the knowledge to understand its engineering applications.
18PHY22.5	Establish the interrelation between time varying electric and magnetic field, transverse nature of electromagnetic waves and realize their role in optical fiber communication.

Course code 18ELE23	Course: BASIC ELECTRICAL ENGINEERING
18ELE23.1	Make use of Ohms law & Kirchhoff's laws to study the behavior of electrical circuits with DC sources.
18ELE23.2	Establish relationship between different quantities of electrical circuits powered by single phase and three phase AC sources.
18ELE23.3	Identify the operation of single phase transformers and the concepts of electrical wiring.
18ELE23.4	Identify the performance characteristics of three AC generators and motors.
18ELE23.5	Estimate the performance of DC generators and DC motors.

Course code 18CIV24	Course: ELEMENTS OF CIVIL ENGINEERING & MECHANICS
18CIV24.1	Outline the Role of Civil Engineer in different fields of civil engineering & Infrastructure development of the country and explain free body diagrams, types of force systems and its theorems.
18CIV24.2	Explain the Newton's law of motion, Kinetics, Kinematics, projectiles, Trusses, Wedge and ladder friction
18CIV24.3	Solve for resultant force in the system and also for friction in bodies viz; Wedge and ladder friction
18CIV24.4	Make use of centroid to analyze geometrical figures and solve for support reactions for various beams
18CIV24.5	Solve for moment of inertia and identify the parameter required for Kinematics, Kinetics & Projectiles

Course code 18EGDL25	Course: ENGINEERING GRAPHICS
18EGDL25.1	Explain the standards and conventions followed in preparation of Engineering Drawings
18EGDL25.2	Demonstrate projections of Points, Lines and Plane surfaces on Horizontal and Vertical Planes
18EGDL25.3	Construct the orthographic view of Solids at different positions
18EGDL25.4	Develop the lateral surface of various solids
18EGDL25.5	Build isometric projections which will be helpful in representing the objects in three dimensional appearances

Course code 18PHYL26	Course: ENGG PHYSICS LAB
18PHYL26.1	Analysis the concepts of quantum mechanics to verify the Stefan's law and understand Fermi energy in metals.
18PHYL26.2	Examine the characteristics of Zener diode, photo diode, transistor by utilizing the concepts of semiconductors physics.
18PHYL26.3	Discover the ability to use various passive electrical components, determine Dielectric constant and electrical resonance.
18PHYL26.4	Analysis the concepts of diffraction and interference of light by using diffraction grating and Newton's ring.
18PHYL26.5	Inspect the modulus of elasticity for various rigid bodies by setting up torsional pendulum and uniform bending.

Course code 18ELEL27	Course: BASIC ELECTRICAL ENGINEERING LAB
18ELEL27.1	Analyse the effect of open circuit and short circuit in DC circuits using KCL, KVL.
18ELEL27.2	Compare the power factor for different types of lamps
18ELEL27.3	Measure the parameters of choke coil and earth resistance
18ELEL27.4	Measure current and the power consumed in three phase load.
18ELEL27.5	Examine the truth table for two-way and three-way control of lamps.

Course code 18EGH28	Course: TECHNICAL ENGLISH -II
18EGH28.1	Identify the common errors in spoken and written communication.
18EGH28.2	Get familiarized with English vocabulary and language proficiency.
18EGH28.3	Improve nature and style of sensible writing and acquire employment and work place communication skills.
18EGH28.4	Improve the technical communication skills through technical reading and writing practices.
18EGH28.5	Perform well in campus recruitment, engineering and all other general competitive examinations.

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Course code 18MAT31	Course: TRANSFORM CALCULUS, FOURIER SERIES AND NUMERICAL TECHNIQUES
18MAT31.1	Solve first and second order ordinary differential equations arising in engineering problems using single step and multistep numerical methods.
18MAT31.2	Use Laplace transform and inverse Laplace transform in solving differential/ integral equation arising in network analysis, control systems and other fields of engineering.
18MAT31.3	Demonstrate Fourier series to study the behaviour of periodic functions and their applications in system communications, digital signal processing and field theory.
18MAT31.4	Determine the externals of functionals using calculus of variations and solve problems arising in dynamics of rigid bodies and vibrational analysis.
18MAT31.5	Make use of Fourier transform and Z-transform to illustrate discrete/continuous function arising in wave and heat propagation, signals and systems.

Course code 18CS32	Course: DATA STRUCTURES AND APPLICATIONS
18CS32.1	Use different types of data structures, operations and algorithms
18CS32.2	Apply searching and sorting operations on files
18CS32.3	Use stack, Queue, Lists, Trees and Graphs in problem solving
18CS32.4	Implement all data structures in a high-level language for problem solving.

Course code 18CS33	Course: ANALOG AND DIGITAL ELECTRONICS
18CS33.1	Design and analyze application of analog circuits using photo devices, timer IC, power supply and regulator IC and op-amp.
18CS33.2	Explain the basic principles of A/D and D/A conversion circuits and develop the same.
18CS33.3	Simplify digital circuits using Karnaugh Map , and Quine-McClusky Methods
18CS33.4	Explain Gates and flip flops and make us in designing different data processing circuits, registers and counters and compare the types.
18CS33.5	Develop simple HDL programs

Course code 18CS34	Course: COMPUTER ORGANIZATION
18CS34.1	Explain the basic organization of a computer system.
18CS34.2	Demonstrate functioning of different sub systems, such as processor, Input/output,and memory.
18CS34.3	Illustrate hardwired control and micro programmed control, pipelining, embedded and other computing systems.
18CS34.4	Design and analyse simple arithmetic and logical units

Course code 18CS35	Course: SOFTWARE ENGINEERING
18CS35.1	Design a software system, component, or process to meet desired needs within realistic constraints.
18CS35.2	Assess professional and ethical responsibility
18CS35.3	Function on multi-disciplinary teams
18CS35.4	Use the techniques, skills, and modern engineering tools necessary for engineering practice
18CS35.5	Analyze, design, implement, verify, validate, implement, apply, and maintain software systems or parts of software systems

Course code 18CS36	Course: DISCRETE MATHEMATICAL STRUCTURES
18CS36.1	Use propositional and predicate logic in knowledge representation and truth verification.
18CS36.2	Demonstrate the application of discrete structures in different fields of computer science.
18CS36.3	Solve problems using recurrence relations and generating functions.
18CS36.4	Application of different mathematical proofs techniques in proving theorems in the courses.
18CS36.5	Compare graphs, trees and their applications

Course code 18CSL37	Course: ANALOG AND DIGITAL ELECTRONICS LABORATORY
18CSL37.1	Use appropriate design equations / methods to design the given circuit.
18CSL37.2	Examine and verify the design of both analog and digital circuits using simulators.
18CSL37.3	Make use of electronic components, ICs, instruments and tools for design and testing of circuits for the given the appropriate inputs.
18CSL37.4	Compile a laboratory journal which includes; aim, tool/instruments/software/components used, design equations used and designs, schematics, program listing, procedure followed, relevant theory, results as graphs and tables, interpreting and concluding the findings.

Course code 18CSL38	Course: DATA STRUCTURES LABORATORY
18CSL38.1	Analyze and Compare various linear and non-linear data structures
18CSL38.2	Code, debug and demonstrate the working nature of different types of data structures and their applications
18CSL38.3	Implement, analyze and evaluate the searching and sorting algorithms
18CSL38.4	Choose the appropriate data structure for solving real world problems
18CSL38.5	Analyze and Compare various linear and non-linear data structures

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Course code 18MAT41	Course: Complex Analysis, Probability and Statistical Methods
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 code 18CS42	Course: DESIGN AND ANALYSIS OF ALGORITHMS
18CS42.1	Describe computational solution to well known problems like searching, sorting etc.
18CS42.2	Estimate the computational complexity of different algorithms.
18CS42.3	Devise an algorithm using appropriate design strategies for problem solving.

Course code 18CS43	Course: OPERATING SYSTEMS
18CS43.1	Demonstrate need for OS and different types of OS
18CS43.2	Apply suitable techniques for management of different resources
18CS43.3	Use processor, memory, storage and file system commands
18CS43.4	Realize the different concepts of OS in platform of usage through case studies

Course code 18CS44	Course: MICROCONTROLLER AND EMBEDDED SYSTEMS
18CS44.1	Describe the architectural features and instructions of ARM microcontroller
18CS44.2	Apply the knowledge gained for Programming ARM for different applications.
18CS44.3	Interface external devices and I/O with ARM microcontroller.
18CS44.4	Interpret the basic hardware components and their selection method based on the characteristics and attributes of an embedded system.
18CS44.5	Develop the hardware /software co-design and firmware design approaches.
18CS44.6	Demonstrate the need of real time operating system for embedded system applications

Course code 18CS45	Course: OBJECT ORIENTED CONCEPTS
18CS45.1	Explain the object-oriented concepts and JAVA.
18CS45.2	Develop computer programs to solve real world problems in Java.
18CS45.3	Develop simple GUI interfaces for a computer program to interact with users, and to understand the event-based GUI handling principles using swings.

Course code 18CS46	Course: DATA COMMUNICATION/18CS46
18CS46.1	Explain the various components of data communication.
18CS46.2	Explain the fundamentals of digital communication and switching.
18CS46.3	Compare and contrast data link layer protocols.
18CS46.4	Summarize IEEE 802.xx standards

Course code 18CSL47	Course: DESIGN AND ANALYSIS OF ALGORITHM LABORATORY
18CSL47.1	Design algorithms using appropriate design techniques (brute-force, greedy, dynamic programming, etc.)
18CSL47.2	Implement a variety of algorithms such as assorting, graph related, combinatorial, etc., in a high level language.
18CSL47.3	Analyze and compare the performance of algorithms using language features.
18CSL47.4	Apply and implement learned algorithm design techniques and data structures to solve real-world problems.

Course code 18CSL48	Course: MICROCONTROLLER AND EMBEDDED SYSTEMS LABORATORY
18CSL48.1	Develop and test program using ARM7TDMI/LPC2148
18CSL48.2	Conduct the following experiments on an ARM7TDMI/LPC2148 evaluation board using the evaluation version of Embedded 'C' & Keil Uvision-4 tool/compiler.

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Course code 18CS51	Course: MANAGEMENT, ENTREPRENEURSHIP FOR IT INDUSTRY
18CS51.1	Define management, organization, entrepreneur, planning, staffing, ERP and outline their importance in entrepreneurship
18CS51.2	Utilize the resources available effectively through ERP
18CS51.3	Make use of IPRs and institutional support in entrepreneurship

Course code 18CS52	Course: COMPUTER NETWORKS AND SECURITY
18CS52.1	Explain principles of application layer protocols
18CS52.2	Recognize transport layer services and infer UDP and TCP protocols
18CS52.3	Classify routers, IP and Routing Algorithms in network layer
18CS52.4	Understand the Wireless and Mobile Networks covering IEEE 802.11 Standard
18CS52.5	Describe Multimedia Networking and Network Management

Course code 18CS53	Course: DATABASE MANAGEMENT SYSTEM
18CS53.1	Identify, analyze and define database objects, enforce integrity constraints on a database using RDBMS.
18CS53.2	Use Structured Query Language (SQL) for database manipulation.
18CS53.3	Design and build simple database systems
18CS53.4	Develop application to interact with databases.

Course code 18CS54	Course: AUTOMATA THEORY AND COMPUTABILITY
18CS54.1	Acquire a fundamental understanding of the core concepts in automata theory and Theory of Computation
18CS54.2	Learn how to translate between different models of Computation (e.g., Deterministic and Non-deterministic and Software models).
18CS54.3	Design Grammars and Automata (recognizers) for different language classes and become knowledgeable about restricted models of Computation (Regular, Context Free) and their relative powers.
18CS54.4	Develop skills in formal reasoning and reduction of a problem to a formal model, with an emphasis on semantic precision and conciseness.
18CS54.5	Classify a problem with respect to different models of Computation.

Course code 18CS55	Course: APPLICATION DEVELOPMENT USING PYTHON/ 18CS55
18CS55.1	Demonstrate proficiency in handling of loops and creation of functions.
18CS55.2	Identify the methods to create and manipulate lists, tuples and dictionaries.
18CS55.3	Discover the commonly used operations involving regular expressions and file system.
18CS55.4	Interpret the concepts of Object-Oriented Programming as used in Python.
18CS55.5	Determine the need for scraping websites and working with CSV, JSON and other file formats

Course code 18CS56	Course: UNIX PROGRAMMING
18CS56.1	Explain Unix Architecture, File system and use of Basic Commands
18CS56.2	Illustrate Shell Programming and to write Shell Scripts
18CS56.3	Categorize, compare and make use of Unix System Calls
18CS56.4	Build an application/service over a Unix system

Course code 18CSL57	Course: COMPUTER NETWORK LABORATORY
18CSL57.1	Analyze and Compare various networking protocols.
18CSL57.2	Demonstrate the working of different concepts of networking.
18CSL57.3	Implement, analyze and evaluate networking protocols in NS2 / NS3 and JAVA programming language

Course code 18CSL58	Course: DBMS LABORATORY WITH MINI PROJECT
18CSL58.1	Create, Update and query on the database.
18CSL58.2	Demonstrate the working of different concepts of DBMS
18CSL58.3	Implement, analyze and evaluate the project developed for an application.

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Course code 18CS61	Course: SYSTEM SOFTWARE AND COMPILERS
18CS61.1	Explain system software
18CS61.2	Design and develop lexical analyzers, parsers and code generators
18CS61.3	Utilize lex and yacc tools for implementing different concepts of system software

Course code 18CS62	Course: COMPUTER GRAPHICS AND VISUALIZATION
18CS62.1	Design and implement algorithms for 2D graphics primitives and attributes.
18CS62.2	Illustrate Geometric transformations on both 2D and 3D objects.
18CS62.3	Apply concepts of clipping and visible surface detection in 2D and 3D viewing, and Illumination Models.
18CS62.4	Decide suitable hardware and software for developing graphics packages using OpenGL.

Course code 18CS63	Course: WEB TECHNOLOGY AND ITS APPLICATIONS
18CS63.1	Adapt HTML and CSS syntax and semantics to build web pages.
18CS63.2	Construct and visually format tables and forms using HTML and CSS
18CS63.3	Develop Client-Side Scripts using JavaScript and Server-Side Scripts using PHP to generate and display the contents dynamically.
18CS63.4	Appraise the principles of object oriented development using PHP
18CS63.5	Inspect JavaScript frameworks like jQuery and Backbone which facilitates developer to focus on core features.

Course code 18CS645	Course: SYSTEM MODELLING AND SIMULATION(PE)
18CS645.1	Explain the system concept and apply functional modeling method to model the activities of a static system
18CS645.2	Describe the behavior of a dynamic system and create an analogous model for a dynamic system;
18CS645.3	Simulate the operation of a dynamic system and make improvement according to the simulation results

Course code 18ME653	Course: SUPPLY CHAIN MANAGEMENT(OE)
18ME653.1	Understand the framework and scope of supply chain management.
18ME653.2	Build and manage a competitive supply chain using strategies, models, techniques and information technology.
18ME653.3	Plan the demand, inventory and supply and optimize supply chain network.
18ME653.4	Understand the emerging trends and impact of IT on Supply chain.

Course code 18CSL66	Course: SYSTEM SOFTWARE LABORATORY
18CSL66.1	Implement and demonstrate Lexer's and Parser's
18CSL66.2	Evaluate different algorithms required for management, scheduling, allocation and communication used in operating system.

Course code 18CSL67	Course: COMPUTER GRAPHICS LABORATORY WITH MINI PROJECT
18CSL67.1	Apply the concepts of computer graphics
18CSL67.2	Implement computer graphics applications using OpenGL
18CSL67.3	Animate real world problems using OpenGL

Course code 18CSMP68	Course: MOBILE APPLICATION DEVELOPMENT
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

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Course code 18CS71	Course: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
18CS71.1.	Appraise the theory of Artificial intelligence and Machine Learning.
18CS71.2	Illustrate the working of AI and ML Algorithms.
18CS71.3	Demonstrate the applications of AI and ML.

Course code 18CS72	Course: BIG DATA ANALYTICS/ 18CS72
18CS72.1	Understand the fundamentals of Big Data analytics.
18CS72.2	Investigate Hadoop framework and Hadoop Distributed File system.
18CS72.3	Illustrate the concepts of NoSQL using MongoDB and Cassandra for Big Data.
18CS72.4	Demonstrate the MapReduce programming model to process the big data along with Hadoop tools.
18CS72.5	Use Machine Learning algorithms for real world big data.
18CS72.6	Analyze web content and Social Networks to provide analytics with relevant visualization tools.

Course code 18CS734	Course: USER INTERFACE DESIGN(PE-2)
18CS734.1	Design the User Interface, design, menu creation, windows creation and connection between menus and windows

Course code 18CS744	Course: CRYPTOGRAPHY(PE-3)
18CS744.1	Define cryptography and its principles
18CS744.2	Explain Cryptography algorithms
18CS744.4	Illustrate Public and Private key cryptography
18CS744.5	Explain Key management, distribution and certification
18CS744.6	Explain authentication protocols
18CS744.7	Tell about IPSec

Course code 18ME751	Course: ENERGY AND ENVIRONMENT
18ME751.1	Understand energy scenario, energy sources and their utilization.
18ME751.2	Understand various methods of energy storage, energy management and economic analysis.
18ME751.3	Analyse the awareness about environment and eco system.
18ME751.4	Understand the environment pollution along with social issues and acts.

Course code 18CSL76	Course: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING LABORATORY
18CSL76.1	Implement and demonstrate AI and ML algorithms
18CSL76.2	Evaluate different algorithms.

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Course code 18CS81	Course: INTERNET OF THINGS
18CS81.1	Interpret the impact and challenges posed by IoT networks leading to new architectural models.
18CS81.2	Compare and contrast the deployment of smart objects and the technologies to connect them to network.
18CS81.3	Appraise the role of IoT protocols for efficient network communication.
18CS81.4	Elaborate the need for Data Analytics and Security in IoT.
18CS81.5	Illustrate different sensor technologies for sensing real world entities and identify the applications of IoT in Industry.

Course code 18CS822	Course: STORAGE AREA NETWORKS
18CS822.1	Identify key challenges in managing information and analyze different storage networking technologies and virtualization
18CS822.2	Explain components and the implementation of NAS
18CS822.3	Describe CAS architecture and types of archives and forms of virtualization
18CS822.4	Illustrate the storage infrastructure and management activities


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