



MALLA REDDY INSTITUTE OF TECHNOLOGY

(Sponsored by Malla Reddy Educational Society)
Approved by AICTE & Affiliated to JNTU Hyderabad

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COURSE OUTCOMES

ACADEMIC YEAR 2021-22

Course Name: MA101BS (M-I)

COURSE YEAR: 2021-22

Course Name	Statements
MA101BS.1	Apply the matrix representation of set of linear equations and to analyze and evaluate to solve the system of equations.
MA101BS.2	Find the Eigen values and Eigen vectors. Determine the nature of quadratic form to canonical form by choosing orthogonal transformations
MA101BS.3	Demonstrate, Understand and determine the nature of sequence and series
MA101BS.4	Distinguish to Understand the application on the mean value theorems. Evaluate and Examine the improper integrals using Beta and Gamma functions
MA101BS.5	Find, Evaluate and Estimate the extreme values of functions of two variables with/without constraints.

Course Name: CH102BS (Chemistry)

COURSE YEAR: 2021-22

Course Name	Statements
CH102BS.1	Interpret the knowledge of atomic molecules and electronic changes band theories related to conductivity and apply the principles developed in related but unseen problems.
CH102BS.2	Evaluate, Analyze the concentration of the salt in sample of commercial/ bottled mineral water and Apply the desalination process and mode by which potable water is produced.
CH102BS.3	Interpret the knowledge at electrochemical phenomenon involved in developing batteries and mechanism of electrochemical corrosion, use of appropriate design and apply corrosion protection techniques to limit corrosion of metals.
CH102BS.4	Identify order the molecular energy levels, Determine magnetic moment of nucleus and Evaluate potential applications of spectroscopy in medical and other fields.
CH102BS.5	Choose, qualitatively order the molecular energy levels, evaluate magnetic moment of nucleus and predict.

Course Name: EE103ES (BEE)

COURSE YEAR: 2021-22

Course Name	Statements
EE103ES.1	To analyze and solve electrical circuits using network laws and theorems
EE103ES.2	To understand and analyze basic ac circuits
EE103ES.3	To understand and analyze about transformers.
EE103ES.4	To study the working principles of Electrical Machines
EE103ES.5	To introduce components of Low Voltage Electrical Installations

Course Name: ME105ES (EWS)

COURSE YEAR: 2021-22

Course Name	Statements
ME105ES.1	Study and practice on machine tools and their operations.
ME105ES.2	Practice on manufacturing of components using workshop trades including plumbing, fitting, and carpentry, and foundry, house wiring and welding.
ME105ES.3	Identify and apply suitable tools for different trades of engineering process including drilling, material removing, measuring, chiseling.
ME105ES.4	Apply basic electrical engineering knowledge for house wiring practice.
ME105ES.5	Gain the knowledge on construction, function, use and application of different working tools, equipment and machines.

Course Name: EN105HS (English)**COURSE YEAR:** 2021-22

Course Name	Statements
EN105HS.1	Respond appropriately to basic communication
EN105HS.2	Demonstrate spontaneous spoken discourse in familiar social situation
EN105HS.3	Compose and write intelligibly using appropriate sentence structure
EN105HS.4	Adopt different strategies for reading different types of text both literary, Non – literary
EN105HS.5	Extract from text information from a range of material using study skills such note making, skimming and scanning.

Course Name: CH106BS (Engg. Chem Lab)**COURSE YEAR:** 2021-22

Course Name	Statements
CH106BS.1	Determination of parameters like hardness and chloride content in water.
CH106BS.2	Estimation of rate constant of a reaction from concentration – time relationships.
CH106BS.3	Determination of physical properties like adsorption and viscosity.
CH106BS.4	Calculation of R _f values of some organic molecules by TLC technique.
CH106BS.5	To synthesize the drug molecules and check the purity of organic molecules by thin layer chromatographic (TLC) technique.

Course Name: EN107HS (ELCS Lab)**COURSE YEAR:** 2021-22

Course Name	Statements
EN107HS.1	To facilitate computer assisted multimedia instruction enabling individualized and independent language learning.
EN107HS.2	To improve the fluency of students in spoken English and neutralize their MTI.
EN107HS.3	LSRW skills with clarity and confidence to imbibe professional attributes amongst Engineering Graduates.
EN107HS.4	To sensitize students to the nuances of English speech sounds, word accent, intonation and rhythm.
EN107HS.5	To motivate and train students to use language elements in and out of ELCS.

Course Name: EE108ES (BEE Lab)**COURSE YEAR:** 2021-22

Course Name	Statements
EE108ES.1	Get an expose to basic electrical laws
EE108ES.2	Understand the response of different types of electrical circuits to different excitations
EE108ES.3	Understand the measurement, calculation and relation between the basic electrical parameters
EE108ES.4	Understand the basic characteristics of transformers
EE108ES.5	Understand the basic characteristics of DC and AC electrical machines

Course Name: MA201BS (M – II)**COURSE YEAR:** 2021-22

Course Name	Statements
MA201BS.1	Analyzing Write the matrix representation of a set of linear equations and to analyse the solution of the system of equations.
MA201BS.2	Evaluating Find the Eigen values and Eigen vectors.
MA201BS.3	Analyzing analyze the nature of sequence and series.
MA201BS.4	Evaluating Evaluate the improper integrals using Beta and Gamma functions
MA201BS.5	Creating Find the extreme values of functions of two variables with/ without constraints.

Course Name: AP202BS (App. Phy.)**COURSE YEAR:** 2021-22

Course Name	Statements
AP202BS.1	Analyze, demonstrate, evaluate, categorize the importance of behavior of a particle quantum mechanically.

AP202BS.2	Analyze, Develop, evaluate, the concentration estimation of charge carriers in semi conductors
AP202BS.3	Analyze & compare the device structures in optoelectronics.
AP202BS.4	Analyze and explain principle, working of various laser systems and examine light propagation through optical fibers.
AP202BS.5	Analyze, demonstrate, evaluate and compare various magnetic dielectric properties and apply them in engineering applications.

Course Name: CS203ES (PPS)

COURSE YEAR: 2021-22

Course Name	Statements
CS203ES.1	To write algorithms and to draw flowcharts for solving problems.
CS203ES.2	To code and test a given logic in C programming language.
CS203ES.3	To decompose a problem into functions and to develop modular reusable code.
CS203ES.4	To use arrays, pointers, strings and structures to write C programs.
CS203ES.5	Searching and sorting problems.

Course Name: ME204ES (EG)

COURSE YEAR: 2021-22

Course Name	Statements
ME204ES.1	Identify , Summarize and classify Principles of Engineering Graphics and their Significance
ME204ES.2	Identify , Distinguish and Discuss the Principles of Orthographic Projections points
ME204ES.3	Identify, Define and Demonstrate different types of Projections of Regular Solids
ME204ES.4	Identify and design different types of shape Development of Surfaces of Right Regular
ME204ES.5	Design , Analyze and Classify shafts for various types of shapes Isometric Projections: Principles of Isometric projection Isometric Scale Isometric Views

Course Name: AP205BS (App. Phy. Lab)

COURSE YEAR: 2021-22

Course Name	Statements
AP205BS.1	Examine the usage of different components and build the electrical circuits.
AP205BS.2	Compare the theory and co-relate with experiment.
AP205BS.3	Understand the applications of physics experiments in day – to – day life.
AP205BS.4	Analyze and explain light propagation through optical fibers
AP205BS.5	Student can observe the variation of magnetic field induction and electrical resonance in LCR Series/Parallel circuit

Course Name: CS206ES (PPS Lab)

COURSE YEAR: 2021-22

Course Name	Statements
CS206ES.1	Defining and solving algorithms for simple problems
CS206ES.2	Interpreting ,preparing and predicting data with arrays ,strings and structures
CS206ES.3	Displaying and executing pointers of different types
CS206ES.4	Create read and write to and from simple text and binary files
CS206ES.5	Programming and executing functions so that they can be reused
MC209ES	Environmental Science

Course Name: MC209ES (ES Lab)

COURSE YEAR: 2021-22

Course Name	Statements
MC209ES.1	Understanding the importance of ecological balance for sustainable development.
MC209ES.2	The knowledge of natural resources and their optimal utilization with conservation
MC209ES.3	Understanding the impacts of developmental activities and mitigation measures.
MC209ES.4	Understanding the environmental pollution and their effects.
MC209ES.5	Understanding the environmental policies and regulations

Course Name: CS301ES (ADE)**COURSE YEAR: 2021-22**

Course Name	Statements
CS301ES.1	Learn basic function of amplifiers with their working principle applying the biasing techniques.
CS301ES.2	An ability to verify the working of various rectifiers
CS301ES.3	Identifying the procedure of doing the experiment.
CS301ES.4	Design and demonstrate various combinational logic circuits
CS301ES.5	Design and demonstrate various types of counters and Registers using Flip-flops

Course Name: CS302ES (DS)**COURSE YEAR: 2021-22**

Course Name	Statements
CS302ES.1	Understand the data structures that efficiently model the information in a problem
CS302ES.2	Demonstrate different data structure implementations or combinations, including hash tables.
CS302ES.3	Implement and know the Various applications of algorithms for Search trees.
CS302ES.4	Design programs using a variety of Graph implementation methods, Sorting like Heap Sort, External Sorting-Model for external sorting, Merge Sort
CS302ES.5	Implement and know the application of algorithms for pattern matching and tries.

Course Name: MA303BS (COSM)**COURSE YEAR: 2021-22**

Course Name	Statements
MA303BS.1	Apply the concepts of probability to some case studies
MA303BS.2	Recognize where the binomial distribution and Poisson distribution could be appropriate model and find mean & variance of the distributions.
MA303BS.3	Understand the concept of sampling distribution of statistics and in particular describe the behavior of the sample mean
MA303BS.4	Apply testing of hypothesis for large samples and small samples.
MA303BS.5	Explain the types of stochastic processes

Course Name: CS304PC (COA)**COURSE YEAR: 2021-22**

Course Name	Statements
CS304PC.1	Understand the basics of instructions sets and their impact on processor design.
CS304PC.2	Demonstrate an understanding of the design of the functional units of a digital computer system
CS304PC.3	Evaluate cost performance and design trade-offs in designing and constructing a computer processor including memory.
CS304PC.4	Design a pipeline for consistent execution of instructions with minimum hazards
CS304PC.5	Recognize and manipulate representations of numbers stored in digital computers

Course Name: CS305PC (C++)**COURSE YEAR: 2021-22**

Course Name	Statements
CS305PC.1	Ability to solve real world problems using OOP techniques.
CS305PC.2	Understanding the use of abstract classes.
CS305PC.3	Solving problems using java collection framework and I/O classes.
CS305PC.4	Applying multithreaded applications for synchronization.
CS305PC.5	Developing applets for web applications. Able to design GUI based applications

Course Name: CS306ES (ADE LAB)**COURSE YEAR: 2021-22**

Course Name	Statements
CS306ES.1	An ability to verify the working of different diodes, transistors, CRO probes and measuring instruments
CS306ES.2	An ability to verify the working of various rectifiers
CS306ES.3	Identifying the procedure of doing the experiment.
CS306ES.4	Design and demonstrate various combinational logic circuits
CS306ES.5	Design and demonstrate various types of counters and Registers using Flip-flops

Course Name: CS307PC (DS LAB)**COURSE YEAR: 2021-22**

Course Name	Statements
CS307PC.1	Explore various operations on dynamic data structures like single linked list, circular linked list and doubly linked list
CS307PC.2	Implement the stack, Queue and their applications
CS307PC.3	Implement different sorting and searching algorithms
CS307PC.4	Perform basic operations on trees and graphs and determine minimum spanning tree
CS307PC.5	Able to identify and use a suitable data structure and algorithm to solve a real world problem

Course Name: CS308PC (ITWS LAB)**COURSE YEAR: 2021-22**

Course Name	Statements
CS308PC.1	Apply knowledge for computer assembling and software installation and solve trouble shooting problems
CS308PC.2	Ability to effectively use of internet and World Wide Web
CS308PC.3	Ability to effectively use of internet, www and web browsers
CS308PC.4	Apply the tools for documentation
CS308PC.5	Apply the tools for ppts, Budget sheet etc

Course Name: CS309PC (C++ LAB)**COURSE YEAR: 2021-22**

Course Name	Statements
CS309PC.1	Explain polymorphism and develop C++ programs
CS309PC.2	Develop C++ programs with reusability concept.
CS309PC.3	Compare classes & structures and develop C++ programs using classes & structures
CS309PC.4	Write C++ programs to handle exceptions in programming
CS309PC.5	Solve different type of problems using object-oriented programming Techniques

Course Name: CS401PC (DM)**COURSE YEAR: 2021-22**

Course Name	Statements
CS401PC.1	Illustrate various formal proof methods for validating the arguments
CS401PC.2	Discuss various types of relations, functions and algebraic structures
CS401PC.3	Apply counting techniques to solve computational problems
CS401PC.4	List various techniques to solve the recurrence relations
CS401PC.5	Justify the graph theory techniques to solve real world problems

Course Name: SM402MS (BEFA)**COURSE YEAR: 2021-22**

Course Name	Statements
SM402MS.1	Understand the elasticity of the demand of the product, different types, and measurement of elasticity of demand and factors influencing on elasticity of demand.
SM402MS.2	Recognize the Production function, features of Iso-Quants and Iso-Costs, different types of internal economies, external economies and law of returns with appropriate examples.

SM402MS.3	Illustrate the features, merits and demerits of different forms of business organizations existing in the modern business.
SM402MS.4	Enumerate the concept of capital budgeting and allocations of the resources through capital budgeting methods and compute simple problems for project management.
SM402MS.5	Evaluate different types of financial ratios for knowing liquidity and profitability positions of business concern

Course Name: CS403PC (OS)

COURSE YEAR: 2021-22

Course Name	Statements
CS403PC.1	Analyze the structure of Operating system and basic architectural components involved in operating system design
CS403PC.2	Analyze and design the applications to run in parallel either using processor or thread models of different operating systems
CS403PC.3	Analyze the various device and resource management techniques for time sharing and distributed systems
CS403PC.4	Understand mutual exclusion, deadlock deduction and agreement protocol of distributed operating system
CS403PC.5	Creating the mechanisms adopted for file sharing in distributed applications

Course Name: CS404PC (DBMS)

COURSE YEAR: 2021-22

Course Name	Statements
CS404PC.1	Define the concepts and design database for given application and systems Illustrate the database programming skills in SQL
CS404PC.2	Develop and classify the concepts of Normalization and design of Database which possess no anomalies.
CS404PC.3	To solve application programs, considering the issues like concurrency control, recovery and security Techniques.
CS404PC.4	Compare and contrast the basic database storage structures and access techniques, file and page optimizations, indexing methods including B-tree and Hashing Techniques.
CS404PC.5	Define the concepts and design database for given application and systems Illustrate the database programming skills in SQL

Course Name: CS405PC (JP)

COURSE YEAR: 2021-22

Course Name	Statements
CS405PC.1	Ability to solve real world problems using OOP techniques.
CS405PC.2	Understanding the use of abstract classes.
CS405PC.3	Solving problems using java collection framework and I/O classes.
CS405PC.4	Applying multithreaded applications for synchronization.
CS405PC.5	Developing applets for web applications. Able to design GUI based applications

Course Name: CS406PC (OS Lab)

COURSE YEAR: 2021-22

Course Name	Statements
CS406PC.1	Possess the ability to develop application programs using system calls.
CS406PC.2	Possess the ability to implement inter process communication between two processes.
CS406PC.3	Possess an ability to design and solve synchronization problems.
CS406PC.4	To provide an understanding of the design aspects of operating system concepts through simulation
CS406PC.5	Introduce basic Unix commands, system call interface for process management, interprocess communication and I/O in Unix

Course Name: CS407PC (DBMS Lab)

COURSE YEAR: 2021-22

Course Name	Statements
CS407PC.1	Able to choose appropriate database schema for a given problem

CS407PC.2	Able to design an E-R model for real world problem
CS407PC.3	Able to develop relational model for schema refinement
CS407PC.4	Able to build a database for roadway travels and formulate queries using DDL, DML, DCL commands
CS407PC.5	Able to create triggers, cursors for given problem

Course Name CS408PC (JAVA LAB)

COURSE YEAR: 2021-22

Course Name	Statements
CS408PC.1	Able to write programs for solving real world problems using java collection framework.
CS408PC.2	Able to write programs using abstract classes.
CS408PC.3	Able to write multithreaded programs.
CS408PC.4	Able to write GUI programs using swing controls in Java.
CS408PC.5	Able to Design GUI Components using Applets, AWT and Swing Controls.

Course Name: CS501PC (FLAT)

COURSE YEAR: 2021-22

Course Name	Statements
CS501PC.1	Able to understand the concept of abstract machines and their power to recognize the languages.
CS501PC.2	Able to employ finite state machines for modeling and solving computing problems.
CS501PC.3	Able to design context free grammars for formal languages
CS501PC.4	Able to distinguish between decidability and undesirability
CS501PC.5	Able to gain proficiency with mathematical tools and formal methods

Course Name: CS502PC (SE)

COURSE YEAR: 2021-22

Course Name	Statements
CS502PC.1	Define the minimum requirements for the development of application.
CS502PC.2	Illustrate the concepts of Develop, maintain, efficient, reliable and cost effective software solutions.
CS502PC.3	Build the proven principles/techniques/tools, current standards, and best practices of Software Engineering.
CS502PC.4	Apply various software development lifecycle models to a development project. This includes developing a project plan and making a simple schedule and resource allocation model.
CS502PC.5	List the various test strategies for quality software product.

Course Name: CS503PC (CN)

COURSE YEAR: 2021-22

Course Name	Statements
CS503PC.1	Illustrating basics of computer network architecture, TCP/IP and OSI reference models also explaining various transmission media used for transmitting data.
CS503PC.2	Explaining data link layer and analyzing problems during channel allocation.
CS503PC.3	Making use of different routing algorithms in network layer
CS503PC.4	Distinguishing between TCP and UDP protocols.
CS503PC.5	Defining various protocols such as FTP, HTTP, SNMP and DNS, E-mail

Course Name: CS504PC (WT)

COURSE YEAR: 2021-22

Course Name	Statements
CS504PC.1	Identify the methods to read data from web pages using PHP
CS504PC.2	Understand the basic HTML tags
CS504PC.3	Have understanding of what is XML and how to parse and use XML Data with Java
CS504PC.4	To introduce Server side programming with Java Servlets and JSP
CS504PC.5	Create applications by using the concepts like JavaScript

Course Name: CS513PE (DA)**COURSE YEAR: 2021-22**

Course Name	Statements
CS513PE.1	Understand data architecture design and manage the data for analysis
CS513PE.2	Demonstrate various data analytic tools and environment, data modeling in business.
CS513PE.3	Experiment with Least Square Estimation and model construction for logistic regression.
CS513PE.4	Elaborate tree building method, time series methods and to measures of forecast accuracy
CS513PE.5	Analyze various data visualization tools and methods.

Course Name: CS521PE (CG)**COURSE YEAR: 2021-22**

Course Name	Statements
CS521PE.1	Acquire familiarity with the relevant mathematics of computer graphics.
CS521PE.2	Be able to design basic graphics application programs, including animation.
CS521PE.3	Be able to design applications that display graphic images to given specifications.
CS521PE.4	Students will be able to describe the fundamental algorithms used in computer graphics and to some extent be able to compare and evaluate them.
CS521PE.5	Students can apply the knowledge, techniques, skills and modern tools to become successful professionals in communication and media industries.

Course Name: CS505PC (SE Lab)**COURSE YEAR: 2021-22**

Course Name	Statements
CS505PC.1	Able to Plan a software engineering process life cycle.
CS505PC.2	Able to elicit, analyze and specify software requirements.
CS505PC.3	Able to Analyze and translate a specification into a design.
CS505PC.4	Able to Built an SRS documents :Realize design practically, using an appropriate software engineering
CS505PC.5	Develop prototype model for a given case study using modern engineering tools

Course Name: CS506PC (CN & WT Lab)**COURSE YEAR: 2021-22**

Course Name	Statements
CS506PC.1	Implement data link layer farming methods and analyzing error detection codes.
CS506PC.2	Analyze routing and congestion issues including encoding and decoding techniques.
CS506PC.3	Demonstrate on different network tools and principles.
CS506PC.4	Build the web pages using PHP, HTML and Web documents using XML.
CS506PC.5	Develop the interactive dynamic web pages using servlets, JSP and Java Script.

Course Name: EN508HS (ACS Lab)**COURSE YEAR: 2021-22**

Course Name	Statements
EN508HS.1	Understands appropriately to basic communication.
EN508HS.2	Demonstrates spontaneous spoken discourse in familiar social situation.
EN508HS.3	Composes and write intelligibly using appropriate sentence structure.
EN508HS.4	Assumes different strategies for reading different types of text both literary, Non-literary
EN508HS.5	Selects and extracts information from text, from a range of material study skills such as note-

Course Name: CS601PC (ML)**COURSE YEAR: 2021-22**

Course Name	Statements
CS601PC.1	Explain about learning system, Decision Tree Learning.
CS601PC.2	Demonstrate Artificial Neural Networks with learning, Back propagation model.

CS601PC.3	Experiment with Bayesian learning, Computational learning theory.
CS601PC.4	Elaborate Genetic Algorithms and Reinforcement Learning.
CS601PC.5	Demonstrate various analytical learning, Combining Inductive and Analytical Learning.

Course Name: CS602PC (CD)

COURSE YEAR: 2021-22

Course Name	Statements
CS602PC.1	Defining different phases of compiler and acquiring knowledge for constructing a compiler
CS602PC.2	Demonstrating the construction of parsers
CS602PC.3	Analyzing SDD's and determining intermediate code generation.
CS602PC.4	Illustrating concepts of code generation.
CS602PC.5	Applying code optimization concepts.

Course Name: CS603PC (DAA)

COURSE YEAR: 2021-22

Course Name	Statements
CS603PC.1	Ability to analyze the performance of algorithms
CS603PC.2	Ability to choose appropriate data structures and algorithm design methods for a specified application
CS603PC.3	Ability to understand how the choice of data structures and the algorithm design methods impact the performance of programs
CS603PC.4	Ability to implement greedy methods.
CS603PC.5	Discussing about Branch and Bound, NP-Hard and NP-Completeness Problems.

Course Name: CS613PE (SL)

COURSE YEAR: 2021-22

Course Name	Statements
CS613PE.1	Comprehend the differences between typical scripting languages and typical system and application programming languages.
CS613PE.2	able to demonstrate knowledge and understanding of the nature of scripting and the role of scripting languages
CS613PE.3	Gain knowledge of the strengths and weakness of Perl, TCL and Ruby; and select an appropriate language for solving a given problem
CS613PE.4	understanding of the Advanced perl scripting and security Issues
CS613PE.5	Acquire programming skills in scripting language

Course Name: CE600OE (DPPM)

COURSE YEAR: 2021-22

Course Name	Statements
CE600OE.1	The application of Disaster Concepts to Management
CE600OE.2	Analyzing Relationship between Development and Disasters
CE600OE.3	Ability to understand Categories of Disasters
CE600OE.4	Realization of the responsibilities to society
CE600OE.5	The factors which are impacting Environmental Modifications

Course Name: CS604PC (ML Lab)

COURSE YEAR: 2021-22

Course Name	Statements
CS604PC.1	Extract the data from database using python
CS604PC.2	Implement k-nearest neighbors classification using python
CS604PC.3	demonstrate the significance of genetic algorithm
CS604PC.4	Implement the finite words classification system using Back-propagation algorithm
CS604PC.5	Implement and demonstrate the FIND-S algorithm for finding the most specific hypothesis based on a given set of training data samples

Course Name: CS605PC (CD Lab)**COURSE YEAR: 2021-22**

Course Name	Statements
CS605PC.1	To construct the program for lexical analyzer
CS605PC.2	To analyze how the lex tool techniques works
CS605PC.3	Students will be able to demonstrate the top down parsers
CS605PC.4	Students will be able to examine the Bottom up
CS605PC.5	Students will be able show how the Yacc translator translates the code in to the compiler.

Course Name: CS623PE (SL Lab)**COURSE YEAR: 2021-22**

Course Name	Statements
CS623PE.1	Ability to understand the differences between Scripting languages and programming languages
CS623PE.2	Able to gain some fluency programming in Ruby
CS623PE.3	Understand the concepts of scripting languages for developing web based projects
CS623PE.4	understand the applications the of Perl scripting languages
CS623PE.5	understand the applications the of TCL scripting languages

Course Name: CS701PC (CNS)**COURSE YEAR: 2021-22**

Course Name	Statements
CS701PC.1	Defining security needs and cryptography concepts and techniques
CS701PC.2	Explaining Symmetric and asymmetric key Ciphers
CS701PC.3	Applying Cryptographic hash functions and key management and distribution
CS701PC.4	Discussing Transport level security and Wireless network security
CS701PC.5	Describing Email and IP security

Course Name: CS702PC (DATA MINING)**COURSE YEAR: 2021-22**

Course Name	Statements
CS702PC.1	Utilize the existing tool and perform data pre-processing
CS702PC.2	Ability to analyze the data and apply appropriate algorithm for decision making
CS702PC.3	Ability to add mining algorithms as a component to the existing tool
CS702PC.4	Ability to develop a system to help a loan officer to decide whether the credit of a customer is good or bad using mining algorithms
CS702PC.5	Ability to classify web pages, extracting knowledge from the web

Course Name: CS714PE (CC)**COURSE YEAR: 2021-22**

Course Name	Statements
CS714PE.1	Able to explain and examine various computing paradigms
CS714PE.2	Able to define cloud computing and explain fundamental concepts of cloud
CS714PE.3	Able to describe cloud architecture, deployment and management
CS714PE.4	Able to explain the basics of cloud computing stack and cloud service models
CS714PE.5	Able to Identify various cloud service providers , their services and tools

Course Name: CS725PE (SPPM)**COURSE YEAR: 2021-22**

Course Name	Statements
CS725PE.1	Evaluate and determine the purpose and importance of project management from the perspectives of planning, tracking and completion of project.
CS725PE.2	Compare and differentiate organization structures and project structures.
CS725PE.3	Build a project to manage project schedule, expenses and resources with the application of suitable project management tools.
CS725PE.4	Predict Metrics and forecasting guidelines for Project Cost Schedule and Quality Control

CS725PE.5	Designs and develops a software product using conventional and modern principles of software project management.
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Course Name: CE700OE (RS & GIS)

COURSE YEAR: 2021-22

Course Name	Statements
CE700OE.1	Analyze the principles and components of photogrammetric and remote sensing.
CE700OE.2	Describe the process of data acquisition of satellite images and their characteristics
CE700OE.3	Compute an image visually and digitally with digital image processing techniques.
CE700OE.4	Explain the concepts and fundamentals of GIS.
CE700OE.5	Compute knowledge of remote sensing and GIS in different civil engineering applications.

Course Name: CS703PC (CNS Lab)

COURSE YEAR: 2021-22

Course Name	Statements
CS703PC.1	Develop simple XOR operation using C language for encryption of data
CS703PC.2	Make use of C/Java to implement Symmetric Cryptography
CS703PC.3	Choose C/Java to develop Asymmetric Cryptography
CS703PC.4	To Analyze Diffie Hellman Key Exchange using HTML & JavaScript
CS703PC.5	Develop Java programs on MD5 and SHA1 algorithms

Course Name: CS704PC (Mini Project)

COURSE YEAR: 2021-22

Course Name	Statements
CS704PC.1	Graduates will be able to identify and define problems in the area of Computer science
CS704PC.2	Graduates will be able to explain and illustrate their practical skills needed to understand and modify problems related to programming and designing.
CS704PC.3	Graduates will get a chance to apply current technologies and develop applications for the problems
CS704PC.4	Graduates will get opportunities to practice as teams on multidisciplinary projects with effective writing and communication skills
CS704PC.5	Able to apply the engineering and management principles to achieve the goal of the project

Course Name: CS705PC (Seminar)

COURSE YEAR: 2021-22

Course Name	Statements
CS705PC.1	The students will be able to recall existing technologies in the area of computer science
CS705PC.2	The students will be able to describe, compare and evaluate different technologies
CS705PC.3	The students will be able to decide the area of interest
CS705PC.4	The students will be able to develop their communication skills
CS705PC.5	The students will be able to write technical reports.

Course Name: SM801MS (OB)

COURSE YEAR: 2021-22

Course Name	Statements
SM801MS.1	Analyze the behavior of individuals and groups in organizations in terms of the key factors that influence organizational behavior.
SM801MS.2	Assess the potential effects of organizational level factors (such as structure, culture and change) on organizational behavior.
SM801MS.3	Critically evaluate the potential effects of important developments in the external environment (such as globalization and advances in technology) on organizational behavior.
SM801MS.4	Analyze organizational behavioural issues in the context of organizational behavior theories, models and concepts.
SM801MS.5	To enable students to describe how people behave under different conditions and understand why people behave

Course Name: CS814PE (HCI)**COURSE YEAR: 2021-22**

Course Name	Statements
CS814PE.1	Acquire fundamental concepts of computer components functions regarding interaction with human and vice versa
CS814PE.2	Design novel ubiquitous computing systems by researching and applying relevant HCI and informatics theories and frameworks.
CS814PE.3	Design effective, usable, and human-centered interactive systems using prototypes and proof of concepts.
CS814PE.4	Analyze interface problems to recognize what design approach and interaction styles are required in the light of usability standards and guidelines.
CS814PE.5	Research and develop interactive collaborative systems by applying social computing theories and frameworks.

Course Name: CE800OE (EIA)**COURSE YEAR: 2021-22**

Course Name	Statements
CE800OE.1	Understand the different steps within environmental impact assessment
CE800OE.2	Discuss the implications of current jurisdictional and institutional arrangements in relation to environmental impact assessment
CE800OE.3	Communicate both orally and in written form the key aspects of environmental impact assessment
CE800OE.4	Understand how to liaise with and the importance of stakeholders in the EIA process
CE800OE.5	Be able to access different case studies/examples of EIA in practice

Course Name: CS802PC (Major Project)**COURSE YEAR: 2021-22**

Course Name	Statements
CS802PC.1	Graduates will be able to identify and define problems in the area of Computer science
CS802PC.2	Graduates will be able to explain and illustrate their practical skills needed to understand and modify problems related to programming and designing.
CS802PC.3	Graduates will get a chance to apply current technologies and develop applications for the problems
CS802PC.4	Graduates will get opportunities to practice as teams on multidisciplinary projects with effective writing and communication skills
CS802PC.5	Able to apply the engineering and management principles to achieve the goal of the project