

### ESWAR COLLEGE OF ENGINEERING: NARASARAOPET

Approved by AICTE, New Delhi., Affiliated to JNTUK, Kakinada Kesanupalli Village, Narasaraopet – 522 601, Palnadu Dist. A.P.

## Department Of Computer Science and Engineering Course Outcomes

### Year/Sem: II B.Tech I Sem

A.Y: 2022-23

Course Name: Mathematics III		
<b>Course Code:</b>	Course Code: CSE2101	
CSE2101.1	State and prove vector Line, Surface and volume integral Theorems. State	
	and prove Stokes and Green's theorems.	
CSE2101.2	Derive Laplace transform standard functions. Deduce inverse Laplace	
	transform functions.	
CSE2101.3	Explain about Periodic functions, even and odd functions. Explain about	
	Half range sine and cosine series. Explain Fourier transforms. State and	
	prove Fourier integral theorem and problems.	
CSE2101.4	Explain Fourier Transforms. State and prove Fourier integral theorem and	
	problems.	
CSE2101.5	Explain By eliminating Orbitary constants and Orbitary functions. Derive	
	Legrangies equation and problems.	
CSE2101.6	Derive solutions of linear P.D.E with constant coefficients and problems.	
	Explain method of separation of variables and wave & heat equations.	

Course Name: Object Oriented Programming through C++	
Course Code: CSE2102	
CSE2102.1	Classify object oriented programming and procedural programming
CSD2102.2	Apply C++ features such as composition of objects, operator overloads,
	dynamic memory allocation
CSD2102.3	Inheritance and Polymorphism
CSD2102.4	Build C++ classes using appropriate encapsulation and design principles
CSD2102.5	Apply object oriented or non-object oriented techniques to solve bigger
	computing
CSD2102.6	File I/O, exception handling

Course Name: Operating Systems		
Course Code	Course Code: CSE2103	
CSE2103.1	Describe various generations of Operating System and functions of	
	Operating System	
CSE2103.2	Describe the concept of program, process and thread and analyze various	
	CPU Scheduling algorithms	
CSE2103.3	Solve Inter Process Communication problems using Mathematical Equations by	
	various methods.	
CSE2103.4	Compare various Memory Management Schemes	
CSE2103.5	especially paging and Segmentation	
CSE2103.6	Outline File Systems in Operating System like UNIX/Linux and Windows	

Course Name: Software Engineering	
Course Code	:: CSE2104
CSE2104.1	Ability to transform an Object-Oriented Design into high quality, executable
	code.
CSE2104.2	Skills to design, implement, and execute test cases at the Unit and Integration
	level.
CSE2104.3	Prepare SRS document, design document, test cases and software configuration
	management and risk management related document.
CSE2104.4	Develop function oriented and object oriented software design using tools like
	rational rose.
CSE2104.5	Use modern engineering tools necessary for software project management,
	estimations, time management and software reuse.
CSE2104.6	Generate test cases for software testing.

Course Name: Mathematical Foundations of Computer Science	
Course Code: CSE2105	
CSE2105.1	Demonstrate skills in solving mathematical problems
CSE2105.2	Comprehend mathematical principles and logic
CSE2105.3	Demonstrate knowledge of mathematical modelling
CSE2105.4	Proficiency in using mathematical software
CSE2105.5	Manipulate and analyze data numerically and/or graphically using appropriate
	Software
CSE2105.6	Communicate effectively mathematical ideas/results verbally or in writing

Course Name: Object Oriented Programming through C++ Lab	
Course Code: CSE2106	
CSE2106.1	Apply the various OOPs concepts with the help of programs
CSE2106.2	Write a program implementing Friend Function
CSE2106.3	Write a program to Overload Unary, and Binary Operators as Member Function, and Non Member Function
CSE2106.4	Write a C++ program Multiple level Inheritance
CSE2106.5	Write a C++ program Hierarchical Inheritance
CSE2106.6	Write a Program for Exception Handling Divide by zero

Course Name: Operating Systems Lab	
Course Code: CSE2107	
CSE2107.1	To use Unix utilities and perform basic shell control of the utilities
CSE2107.2	To use the Unix file system
CSE2107.3	To use the file access control
CSE2107.4	To use of an operating system to develop software
CSE2107.5	Students will be able to use Linux environment efficiently
CSE2107.6	Solve problems using bash for shell scripting

Course Name: Software Engineering Lab	
<b>Course Code:</b>	CSE2108
CSE2108.1	By the end of this lab the student is able to elicit, analyze and specify software
	requirements through a productive working relationship with various
	stakeholders of the project.
CSE2108.2	Prepare SRS document, design document, test cases and software
	configuration management and risk management related document.
CSE2108.3	Develop function oriented and object oriented software design using tools like
	rational rose.
CSE2108.4	Use modern engineering tools necessary for software project management,
	estimations, time management and software reuse.
CSE2108.5	Generate test cases for software testing
CSE2108.6	Will have experience and/or awareness of testing problems and will be
	able to develop a simple testing report.

Course Name: APPLICATIONS OF PYTHON-NUMPY LAB	
<b>Course Code:</b>	CSE2109
CSE2109.1	Explain how data is collected ,managed and stored for processing
CSE2109.2	Understand the working of various numerical techniques, different
	descriptive measures of Statistics to solve the engineering problems.
CSE2109.3	Understand how to apply some linear algebra operations to n-dimensional
	arrays
CSE2109.4	Use NumPy perform common data wrangling and computational tasks in
	Python
CSE2109.5	Understand the correlation and regression to solve the engineering
	problems
CSE2109.6	Utilise NumPy arrays to store and perform operations on data sets

# Year/Sem: II B.Tech II Sem

Course Name: Probability and Statistics	
Course Code: CSE2201	
CSE2201.1	Explain the concepts of data science and its importance
CSE2201.2	Learn characteristics and through Correlation and regression tools
CSE2201.3	Write the concepts of probability and their applications
CSE2201.4	Apply discrete and continuous probability distributions
CSE2201.5	Explain the components of classical hypothesis test
CSE2201.6	To learn statistical inferential methods based on small and large sampling
	test

Course Name: Database Management Systems	
Course Code: CSE2202	
CSE2202.1	Describe a relational database and object-oriented database
CSE2202.2	Create, maintain and manipulate a relational database using SQL
CSE2202.3	Describe ER model and normalization for database design
CSE2202.4	Examine issues in data storage and query processing and can formulate
	appropriate solutions
CSE2202.5	Outline the role and issues in management of data such as efficiency, privacy,
	security.
CSE2202.6	Outline the role and issues in management of data such as ethical
	responsibility, and strategic advantage.

Course Name: Formal Languages and Automata Theory	
Course Code: CSE2203	
CSE2203.1	Classify machines by their power to recognize languages.
CSE2203.2	Summarize language classes & grammars relationship among them with the help of Chomsky hierarchy
CSE2203.3	Employ finite state machines to solve problems in computing
CSE2203.4	Illustrate deterministic machines
CSE2203.5	Illustrate non-deterministic machines
CSE2203.6	Quote the hierarchy of problems arising in the computer science

Course Name: Java Programming	
Course Code: CSE2204	
CSE2204.1	Able to realize the concept of object oriented programming & java
	programming constructs.
CSE2204.2	Able to describe the basic concepts of java such as
	operators, classes, objects.
CSE2204.3	Able to described the basic concept of java such as
	inheritance, packages, enumeration and various keywords.
CSE2204.4	Apply the concept of exception handling and Input/Output operations.
CSE2204.5	Able to design the application of java & java applet.
CSE2204.6	Able to Analyze & Design the concept of Event Handling and Abstract
	Window ToolKit.

Course Name: Managerial Economics and Financial Accountancy	
<b>Course Code:</b>	CSE2205
CSE2205.1	The Student is enhanced with the knowledge of estimating the Supply
	Demand and demand elasticises for a product.
CSE 2205.2	The knowledge of understanding of the Input-Output-Cost relationships
	and estimation of the least cost combination of inputs
CSE 2205.3	The Students is also ready to understand the nature of different markets
	and Price Output determination under various market conditions and also
	to have the knowledge of different Business Units regarding Product &
	Services
CSE2205.4	They can understand the knowledge of formation of the company and
	company business cycle.
CSE2205.5	The Learner is able to prepare accounts, Ledger then Financial Statements
	and the usage of various Accounting tools for Analysis.
CSE2205.6	The Learner can able to evaluate various investment project proposals with
	the help of capital budgeting techniques for business decision making.

Course Name: Database Management Systems Lab		
<b>Course Code</b>	Course Code: CSE2206	
CSE2206.1	Utilize SQL to execute queries for creating database and performing data	
	manipulation operations	
CSE2206.2	Examine integrity constraints to build efficient databases	
CSE2206.3	Apply Queries using Advanced Concepts of SQL	
CSE2206.4	Build PL/SQL programs including stored procedures, functions, cursors and	
	triggers	
CSE2206.5	Build PL/SQL programs including functions.	
CSE2206.6	Build PL/SQL programs including cursors and triggers	

Course Name: R Programming Lab	
<b>Course Cod</b>	e: CSE2207
CSE2207.1	Access online resources for R and import new function packages into the R
	workspace
CSE2207.2	Import, review, manipulate and summarize data-sets in R
CSE2207.3	Explore data-sets to create testable hypotheses
CSE2207.4	Identify appropriate statistical tests
CSE2207.5	Perform appropriate statistical tests using R
CSE2207.6	Create and edit visualizations with R

Course Name: Java Programming Lab	
Course Code: CSE2208	
CSE2208.1	Evaluate default value of all primitive data type, Operations, Expressions,
	Control-flow, Strings
CSE2208.2	Determine Class, Objects, Methods, Inheritance.
CSE2208.3	Exception, Runtime Polymorphism.
CSE2208.4	User defined Exception handling mechanism.
CSE2208.5	Illustrating simple inheritance, multi-level inheritance, Exception handling
	mechanism
CSE2208.6	Construct Threads, Event Handling, implement packages, developing applets

Course Name: APPLICATIONS OF PYTHON-PANDAS LAB	
Course Code: CSE2209	
CSE2209.1	Use Pandas to create and manipulate data structures like Series and Data f
	rames Work with arrays, queries and data frames
CSE2209.2	Query Data Frame structures for cleaning and processing and manipulating
	files
CSE2209.3	Understand best practice for creating basic charts
CSE2209.4	Describe how to index and "type" Pandas Series and Dataframes.
CSE2209.5	Create histograms and scatter plots for basic exploratory data analysis
CSE2209.6	Use Pandas to create and manipulate data structures like Series and Data
	frames

## Year/Sem: III B.Tech I Sem

Course Name: Computer Networks		
<b>Course Cod</b>	Course Code :CSE3101	
CSE3101.1	Demonstrate different network models for networking links OSI, TCP/IP, B-	
	ISDN, N-BISDN and get knowledge about various communication	
	techniques, methods and protocol standards.	
CSE3101.2	Discuss different transmission media and different switching networks.	
CSE3101.3	Analyze data link layer services	
CSE3101.4	functions and protocols like HDLC and PPP.	
CSE3101.5	Compare and Classify medium access control protocols like ALOHA,	
	CSMA, CSMA/CD,	
	CSMA/CA, Polling, Token passing, FDMA, TDMA, CDMA protocols	
CSE3101.6	Determine application layer services and client server protocols working with	
	the client server	
	paradigms like WWW, HTTP, FTP, e-mail and SNMP etc.	

Course Name: Design and Analysis of Algorithms	
Course Code: CSE3102	
CSE3102.1	Analyze the performance of a given algorithm, denote its time complexity using the
	asymptotic notation for recursive and non-recursive algorithms.
CSE3102.2	List and describe various algorithmic approaches and Solve problems using divide
	and conquer & greedy Method.
CSE3102.3	Synthesize efficient algorithms dynamic programming approaches to solve in
	common engineering design situations.
CSE3102.4	Organize important algorithmic design paradigms and methods of analysis:
	backtracking, branch and bound algorithmic approaches
CSE3102.5	Demonstrate NP- Completeness theory ,lower bound theory and String Matching.

Course Name: Data Warehousing and Data Mining		
<b>Course Cod</b>	Course Code: CSE3103	
CSE3103.1	Illustrate the importance of Data Warehousing, Data Mining and its	
	functionalities and Design schema for real time data warehousing applications.	
CSE3103.2	Demonstrate on various Data Preprocessing Techniques viz. data cleaning, data	
	integration, data transformation and data reduction and Process raw data to make	
	it suitable for various data mining algorithms.	
CSE3103.3	Choose appropriate classification technique to perform classification.	
CSE3103.4	Choose Model building and evaluation .	
CSE3103.5	Make use of association rule mining techniques viz. Apriori and FP Growth	
	algorithms and analyze on frequent itemsets generation.	
CSE3103.6	Identify and apply various clustering algorithm (with open source tools),	
	interpret, evaluate and report the result.	

Course Name: Digital logic design		
<b>Course Cod</b>	Course Code: CSE3104	
CSE3104.1	An ability to define different number systems, binary addition and subtraction 2's	
CSE3104.2	An ability to understand the different switching algebra theorems and apply them for logic functions.	
CSE3104.3	An ability to define the Karnaugh map for a few variables and perform an algorithmic reduction of logic functions.	
CSE3104.4	Students will be able to design various logic gates starting from simple ordinary gates to complex programmable logic devices & arrays.	
CSE3104.5	Students will be able to design various sequential circuits starting from flip- flop to registers	
CSE3104.6	Students will be able to design various sequential circuits starting from flip- flop to counters	

Course Name: SOFTWARE PROJECT MANAGEMENT	
Course Code: CSE3105	
CSE3105.1	Apply the process to be followed in the software development life-cycle models
CSE3105.2	Apply the concepts of project management & planning
CSE3105.3	Implement the project plans through managing people, communications and
	change
CSE3105.4	Conduct activities necessary to successfully complete and close the Software
	projects
CSE3105.5	Implement communication, modelling
CSE3105.6	construction & deployment practices in software development

Course Name: Data Warehousing and Data Mining Lab	
Course Code: CSE3106	
CSE3106.1	Design a data mart or data warehouse for any organization
CSE3106.2	Extract knowledge using data mining techniques
CSE3106.3	Extract enlist various algorithms used in information analysis of Data Mining
	Techniques
CSE3106.4	Demonstrate the working of algorithms for data mining tasks such as association
	rule mining, classification for realistic data
CSE3106.5	Implement and Analyze on knowledge flow application on data sets
CSE3106.6	Apply the suitable visualization techniques to output analytical results

Course Name: Computer Networks Lab	
Course Code: CSE3107	
CSE3107.1	Know how reliable data communication is achieved through data link layer.
CSE3107.2	Suggest appropriate routing algorithm for the network
CSE3107.3	Provide internet connection to the system
CSE3107.4	its installation.
CSE3107.5	Work on various network management tools
CSE3107.6	understand the layered architecture

Course Name: SOC(Animation design)	
Course Code: CSE3108	
CSE3108.1	learn various tools of digital 2-D animation
CSE3108.2	Understand production pipeline to create 2-D animation.
CSE3108.3	Apply the tools to create 2D animation for films and videos
CSE3108.4	Apply the tools to create videos
CSE3108.5	Understand different styles and treatment of content in 3D model creation
CSE3108.6	apply tools to create effective 3D modelling texturing and lighting

#### Year/Sem: III B.Tech II Sem

Course Name: Machine Learning	
Course Code: CSE3201	
CSE3201.1	Explain the fundamental usage of the concept Machine Learning system
CSE3201.2	Demonstrate on various regression Technique
CSE3201.3	Analyze the Ensemble Learning Methods
CSE3201.4	Illustrate the Clustering Techniques and Dimensionality Reduction Models in Machine Learning
CSE3201.5	Clustering, K-Means, Limits of K-Means, Using Clustering for Image Segmentation
CSE3201.6	Discuss the Neural Network Models and Fundamentals concepts of Deep Learning

Course Name: Compiler Design	
Course Code: CSE3202	
SE3202.1	Demonstrate phases in the design of compiler
CSE3202.2	Organize Syntax Analysis, Top Down and LL(1) grammars
CSE3202.3	Design Bottom Up Parsing
CSE3202.4	Construction of LR parsers
CSE3202.5	Analyze synthesized, inherited attributes and syntax directed translation
	schemes
CSE3202.6	Determine algorithms to generate code for a target machine

Course Name: Cryptography and Network Security		
Course Coo	Course Code: CSE3203	
CSE3203.1	Explain different security threats and countermeasures and foundation course of	
	cryptography mathematics.	
CSE3203.2	Classify the basic principles of symmetric key algorithms and operations of some	
	symmetric key algorithms and asymmetric key cryptography.	
CSE3203.3	Revise the basic principles of Public key algorithms and Working operations of	
	some Asymmetric key algorithms such as RSA, ECC and some more.	
CSE3203.4	Apply methods for authentication, access control, intrusion detection and	
	prevention.	
CSE3203.5	Design applications of hash algorithms, digital signatures and key management	
	techniques.	
CSE3203.6	Determine the knowledge of Application layer, Transport layer and Network	
	layer security Protocols such as PGP, S/MIME, SSL, TSL, and IPsec.	

Course Name: Object Oriented Analysis and Design		
Course Coo	Course Code: CSE3204	
CSE3204.1	Analyze the nature of complex system and its solutions.	
CSE3204.2	Illustrate & relate the conceptual model of the UML, identify & design the	
	classes and relationships.	
CSE3204.3	Analyze&Design Class and Object Diagrams that represent Static Aspects of	
	a Software System.	
CSE3204.4	Apply basic and Advanced Structural Modeling Concepts for designing real	
	time applications.	
CSE3204.5	Analyze& Design behavioral aspects of a Software System using Use Case,	
	Interaction and Activity Diagrams.	
CSE3204.6	Analyze& Apply techniques of State Chart Diagrams and Implementation	
	Diagrams to model behavioral aspects and Runtime environment of Software	
	Systems.	

Course Name: Microprocessor and Microcontrollers	
Course Code: CSE3205	
CSE3205.1	To be able to understand the microprocessor capability in general and explore
	the evaluation of microprocessors
CSE3205.2	To be able to understand the addressing modes of microprocessors
CSE3205.3	To be able to understand the micro controller capability
CSE3205.4	To be able to program MP&MC
CSE3205.5	To be able to interface MP & MC with other electronic devices
CSE3205.6	To be able to understand the ARM processor architecture

Course Name: Machine Learning using Python Lab	
Course Code: CSE3206	
CSE3206.1	Implement procedures for the machine learning algorithms
CSE3206.2	Design and Develop Python programs for various Learning algorithms
CSE3206.3	Apply appropriate data sets to the Machine Learning algorithms
CSE3206.4	Develop Machine Learning algorithms to solve real world problems
CSE3206.5	Develop a program for Bias, Variance, Remove duplicates, Cross Validation
CSE3206.6	Build an Artificial Neural Network by implementing the Back propagation
	algorithm and test the same using appropriate data sets.

Course Name: Compiler Design Lab	
Course Code: CSE3207	
CSE3207.1	Design simple lexical analyzers
CSE3207.2	Determine predictive parsing table for a CFG
CSE3207.3	Apply Lex
CSE3207.4	Apply Yacc tools
CSE3207.5	Examine LR parser and generating SLR Parsing table
CSE3207.6	Relate Intermediate code generation for subset C language

Course Name: Cryptography and Network Security Lab	
Course Code: CSE3208	
CSE3208.1	Apply the knowledge of symmetric cryptography to implement encryption and
	decryption using Ceaser Cipher, Substitution Cipher, Hill Cipher.
CSE3208.2	Demonstrate the different algorithms like DES, BlowFish, and Rijndael, encrypt
	the text "Hello world" using Blowfish Algorithm.
CSE3208.3	Analyze and implement public key algorithms like RSA, Diffie-Hellman Key
	Exchange mechanism, the message digest of a text using the SHA-1 algorithm.
CSE3208.4	Identify basic security attacks and services.
CSE3208.5	Use symmetric and asymmetric key algorithms for cryptography.
CSE3208.6	Demonstrate the network security system using open source tools.

Course Name: MEAN STACK TECHNOLOGIES MODULE-1		
Course Cod	Course Code: CSE3209	
CSE3209.1	Develop professional web pages of an application using HTML elements like lists,	
	navigation, tables, various form elements, embedded media.	
CSE3209.2	Develop professional web pages of an application using images, audio, video and	
	CSS Styles.	
CSE3209.3	Utilize JavaScript for developing interactive HTML web pages and validate form	
	data	
CSE3209.4	Build a basic web server using Node.js and also working with Node Package	
	Manager.	
CSE3209.5	Build a web server using Express.js	
CSE3209.6	Make use of Typescript to optimize JavaScript code by using the concept of strict	
	type checking.	

Course Name: Employability skills-II		
<b>Course Cod</b>	Course Code: CSE3210	
CSE3210.1	Solve various Basic Mathematics problems by following different methods	
CSE3210.2	Follow strategies in minimizing time consumption in problem solving	
CSE3210.3	Apply shortcut methods to solve problems	
CSE3210.4	Confidently solve any mathematical problems	
CSE3210.5	utilize these mathematical skills both in their professional as well as personal	
	life	
CSE3210.6	Analyze, summarize and present information in quantitative forms including	
	table, graphs and formulas	

## Year/Sem: IV B.Tech I Sem

Course Name: Cryptography and Network Security		
<b>Course Cod</b>	Course Code:CSE4101	
CSE4101.1	Identify information security goals, classical encryption techniques and acquire	
	fundamental knowledge on the concepts of finite fields and number theory	
CSE4101.2	Compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication	
CSE4101.3	Apply the knowledge of cryptographic checksums and evaluate the performance of different message digest algorithms for verifying the integrity of varying message sizes.	
CSE4101.4	Apply different digital signature algorithms to achieve authentication and create secure applications	
CSE4101.5	Apply network security basics, analyze different attacks on networks and evaluate the performance of firewalls and security protocols like SSL, IPSec, and PGP	
CSE4101.6	Apply the knowledge of cryptographic utilities and authentication mechanisms to design secure applications	

Course Name: UML & Design Patterns	
Course Code: CSE4102	
CSE4102.1	Illustrate software design with UML diagrams
CSE4102.2	Design software applications using OO concepts
CSE4102.3	Identify various scenarios based on software requirements
CSE4102.4	Apply UML based software design into patterns
CSE4102.5	Based design using design patterns
CSE4102.6	Illustrate the various testing methodologies for OO software

Course Name: Machine Learning	
Course Code: CSE4103	
CSE4103.1	Identify machine learning techniques suitable for a given problem
CSE4103.2	Solve the problems using various machine learning techniques
CSE4103.3	Apply Dimensionality reduction techniques
CSE4103.4	Design application using machine learning techniques
CSE4103.5	Discuss the Neural Network Models
CSE4103.6	Fundamentals concepts of Deep Learning

Course Name: Embedded Systems	
Course Code: CSE4104	
CSE4104.1	Understand the design process of an embedded system
CSE4104.2	Understand typical embedded System
CSE4104.3	Understand its components
CSE4104.4	Understand embedded firmware design approaches
CSE4104.5	Learn the basics of OS
CSE4104.6	Learn the basics of RTOS

Course Name: Mobile computing		
<b>Course Cod</b>	Course Code: CSE4105	
CSE4105.1	Interpret Wireless local area networks (WLAN): MAC design principles, 802.11	
	WIFI	
CSE4105.2	Discuss fundamental challenges in mobile communications and potential	
	Techniques in GSM	
CSE4105.3	Demonstrate Mobile IP in Network layer	
CSE4105.4	Demonstrate Mobile IP in Network layer	
CSE4105.5	Illustrate different data delivery methods and synchronization protocols	
CSE4105.6	Develop applications that are mobile-device specific and demonstrate current	
	Practice in mobile computing contexts	

Course Name: Cyber Security & Forensics	
Course Code: CSE4106	
CSE4106.1	Enumerate the computer forensics fundamentals
CSE4106.2	Describe the types of computer forensics technology
CSE4106.3	Analyze various computer forensics systems
CSE4106.4	Illustrate the methods for data recovery
CSE4106.5	evidence collection and data seizure
CSE4106.6	Identify the Role of CERT-In Security

Course Name: UML Lab	
Course Code: CSE4107	
CSE4107.1	Know the syntax of different UML diagrams
CSE4107.2	Create use case documents that capture requirements for a software system
CSE4107.3	Create class diagrams that model both the domain model and design model of
	a software
CSE4107.4	system
CSE4107.5	Create interaction diagrams that model the dynamic aspects of a software
	system
CSE4107.6	Write code that builds a software system

# Year/Sem: IV B.Tech II Sem

Course Name: Management and organizational Behaviour		
<b>Course Coo</b>	Course Code: CS4201	
CS4201.1	After completion of the Course the student will acquire the knowledge on	
	management	
	functions, global leadership and organizational structure	
CS4201.2	Will familiarize with the concepts of functional management that is HRM and	
	Marketing of	
	new product developments	
CS4201.3	The learner is able to think in strategically through contemporary	
	management practices	
CS4201.4	The learner can develop positive attitude through personality development.	
CS4201.5	Can equip with motivational theories	
CS4201.6	The student can attain the group performance and grievance handling in	
	managing the organizational culture	

Course Name: ENTERPRENEURSHIP	
Course Code: CSE4202	
CSE4202.1	Up on completing this course
CSE4202.2	Students are able to gain the competency of preparing business plans
CSE4202.3	Get the awareness on industrial policies
CSE4202.4	Study the impact of launching small business
CSE4202.5	Understand the recourse planning
CSE4202.6	Market selection for start ups

Course Name: DEVOPS		
Course Coo	Course Code: CSE4203	
CSE4203.1	Enumerate the principles of continuous development and deployment,	
	automation of configuration management.	
CSE4203.2	Enumerate the principles of inter-team collaboration, and IT service agility.	
CSE4203.3	Describe DevOps & DevSecOps methodologies and their key concepts	
CSE4203.4	Illustrate the types of version control systems, continuous integration tools.	
CSE4203.5	Illustrate the types of continuous monitoring tools, and cloud models.	
CSE4203.6	Set up complete private infrastructure using version control systems and	
	CI/CD tools.	