

2020-2021 Batch

Programme Outcomes

PO1 To make students as computer professionals, who can be directly employed or start his/her own work as Programmer, Web Designer, Database User, Testing professional, Designer of a System and Network administrator or implementer.

PO2 To train students to a level where they can readily compete for the higher educational degree courses like MCA, M.Sc. (CS), M.Sc. (IT), MBA, etc.

PO3 Be acquainted with the contemporary issues, latest trends in technological development and there by innovate new ideas and solutions to existing problems.

PO4 Recognize the industry and social needs have the preparation to engage independent learning for developing the applications by project work.

Course Outcomes

1. Course Code & Title: 20UIT101 & Programming in 'C'

CO1	To keep in mind the fundamentals of C programming.
CO2	To understand the concepts of problem solving techniques.
CO3	To apply concepts and techniques for implementation.
CO4	To evaluate the logical thinking in program development.

2. Course Code & Title: 20UIT102 & Computer System Architecture

CO1	To remember basic building block of digital computer system
CO2	To understand the execution sequence of instruction through the processor
CO3	To apply interfacing of various peripheral devices used with the system
CO4	To analyze functioning of various parts of the computer from hardware point of view

3. Course Code & Title: 20UIT103 & LAB. I – Programming in 'C'

CO3	To apply appropriate data structure, mathematical and scientific logic
CO4	To analyze a problem in different logic
CO5	To verify the solutions of various problems with input and output data

4. Course Code & Title: 20UIT1A1 & Mathematics – I (Statistics)

CO1	To remember the formula of different Means, Median, Mode, Deviations, Correlation, Regression, Probability, Chi square test, Degree of Freedom, etc.
CO2	To understand the concepts Central tendency, Dispersion, Correlation and regression, Probability and Sampling theory.
CO3	To solve the problems by using formula to apply the programs
CO4	To evaluate the results through the program outputs

5. Course Code & Title: 20UIT204 & Object Oriented Programming with Java

CO1	To keep in mind the basic concepts of OOPs
CO2	To apprehend a knowledge about how to use java for internet applications
CO3	To implement file, applet, thread concepts
CO4	To review the usage of packages, exceptions and string concepts.

6. Course Code & Title: 20UIT205 & Data Structures

CO1	To recollect basic concepts of data handle.
CO2	To comprehend data structures like stack, queue, linked list and trees.
CO3	To implement data structure techniques in problem solving
CO4	To analyze space and time complexity of algorithms and to evaluate various data structures.

7. Course Code & Title: 20UIT206 & LAB. II – Programming in Java

CO3	To apply basic object oriented concepts
CO4	To analyze the usage of packages, exceptions, thread, OOPs
CO5	To verify the working of applications using AWT, frames and applet

8. Course Code & Title: 20UIT2A2 & Mathematics – II (Discrete Mathematics)

CO1	To remember the concepts of set theory, mathematical logic, relations and graph theory.
CO2	To understand the basic terminology of discrete mathematics
CO3	To execute discrete notations in the programs
CO4	To evaluate the discrete concepts through programs

2019-2020 Batch

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- PO2** To train students to a level where they can readily compete for the higher educational degree courses like MCA, M.Sc. (CS), M.Sc. (IT), MBA etc.

Programme Specific Outcomes

- PSO1** Have good mathematical ability to develop algorithms and solve the logical problems.
- PSO2** Have adequate knowledge about hardware and software.
- PSO3** Have sufficient skills in programming languages, web-based languages, designing and managing databases.
- PSO4** To fulfill the current industry needs through advanced courses.
- PSO5** To develop software and industrial applications by project work.

Course Outcomes

1. Course Code & Title: 19UIT307 & Operating Systems

CO1	To recollect fundamentals of operating system.
CO2	To understand basic principles and advanced concepts of the operating system.
CO3	To apply the different mathematical foundations, algorithmic principles with approaches in computer based systems.
CO4	To analyze the various architectural components involved in OS and its applications.

2. Course Code & Title : 19UIT308&Relational Database Management System

CO1	To keep in mind the basic concepts of database
CO2	To get the idea of a database from SQL statements
CO3	To execute different forms of queries using SQL and PL/SQL statements
CO4	To analyze various data models which describe the structure of database

3. Course Code & Title : 19UIT309&Service Oriented Architecture

CO1	To keep in mind the various client/server concepts, middleware.
CO2	To Understand the basic concepts of C/S and service architectures
CO3	To apply web services in WSDL
CO4	To analyze the various registries, RPC and messages in web services.

CO3	To deploy the various HTML tags and CSS for page design
CO4	To analyze the various HTML tags and concepts of JavaScript programs.
CO5	To create the various Angular applications.

4. Course Code & Title : 19UIT310&Lab. III – RDBMS

CO3	To apply appropriate queries in Oracle and various tags to the Angular JS applications.
CO4	To analyze various commands in SQL and PL/SQL and tags and concepts in the application.
CO5	To create various applications.

5. Course Code & Title : 19UIT311&Lab. IV – Web Designing (HTML, CSS, JavaScript & Angular)

CO3	To deploy the various HTML tags and CSS for page design
CO4	To analyze the various HTML tags and concepts of JavaScript programs.
CO5	To create the various Angular applications.

6. Course Code & Title : 19UIT3A3 & Microprocessor and Assembly Language Programming

CO1	To keep in mind the various microprocessor and microcontrollers manufacturer name, year, versions, bit-size, etc.
CO2	To Understand the basic concepts of 16 bit and 32 bit microprocessors.
CO3	To apply the instructions in the Assembly Language Programs.
CO4	To analyze the various products of processors and controllers.

7. Course Code & Title : 19UIT3N1 & Skill Based Non-Major- I Social Networks

CO1	To keep in mind basics of Social Networks
CO2	To understand the classification of Social Media
CO3	To deploy various social media platforms
CO4	To analyze the types of social media.

8. Course Code & Title : 19UIT3N2 & Skill Based Non-Major I - Hardware & Networking

CO1	To recollect the basics of I/O hardware
CO2	To understand about working of processors
CO3	To implement a network operating system
CO4	To analyze different types of networks and topologies

9. Course Code & Title : 19UIT412 & Data Communication and Networks

CO1	To remember basics of data communication and
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	networking
CO2	To comprehend various types of networks and topologies
CO3	To implement routing algorithms
CO4	To review different ways of accessing the internet

10.Course Code & Title : 19UIT413& Advanced Java Programming

CO1	To recollect the knowledge of GUI based applications, Web based applications and Database applications.
CO2	To understand development of the Internet programming through java programming.
CO3	To apply different powerful GUI components from existing applications to create new web pages.
CO4	To analysis different applications for solving the real time problems in Industry.

11.Course Code & Title : 19UIT414&Visual Programming

CO1	To keep in mind the various statements, data types, properties, Indexes, Interfaces, Events and Attributes, etc.
CO2	To Understand the basic concepts of Methods, Arrays, Overloading, Threading, File Streams, and Web Services.
CO3	To apply the concepts into the Lab. programs.
CO4	To analyze the various controls of OOPs, Windows Applications and Web Services.

12.Course Code & Title : 19UIT415 &Lab. V – Programming in Advanced Java

CO3	To apply the different components of java programming.
CO4	To analysis the concepts to enhance in the application level.
CO5	To validate the user friendliness and desire performance implied for given input.

13.Course Code & Title : 19UIT416 & Lab. VI - Visual Programming

CO3	To apply the concepts of web oriented programs.
CO4	To analyze the various commands and concepts.
CO5	To verify the results for the different input data.

14. Course Code & Title : 19UIT4A4 & Software Engineering

CO1	To recollect the various process models, requirements, Designs, Quality, Testing.
CO2	To Understand the software development phases.
CO3	To apply concepts into the testing lab.
CO4	To evaluate the expected result with testing output.

15. Course Code & Title : 19UIT4N3 & Skill Based Non-Major- II (Data Analytics)

CO1	To keep in mind the basic understanding of fundamentals of data analytics
CO2	To understand the types of data analytics
CO3	To apply the tools in various domain
CO4	To identify career opportunities

16. Course Code & Title : 19UIT4N4 & Computer Security

CO1	To keep in mind the basic understanding of fundamentals of data security
CO2	To understand the concepts of ciphers and cryptography methods
CO3	To apply the idea of encryption and decryption methods
CO4	To analyze basic issues in data security

2018-2019 Batch

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Programme Specific Outcomes

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- PSO5** To develop software and industrial applications by project work.

Course Outcomes

Course Code & Title: 18UIT517&Open Source Methodologies

CO1	To remember the various Unix commands for directory, editor, shell programming. Android layers, components, and user interfaces.
CO2	To get the idea of the Unix, Linux, and Android program commands.
CO3	To execute the programs by using the various Unix, Linux commands.
CO4	To review by using the commands and operations get proper output.

Course Code & Title: 18UIT518&Information Security

CO1	To recollect basic concepts of network security
CO2	To understand basic knowledge of cryptography
CO3	To apply diverse security mechanisms to networks, operating systems and programming languages.
CO4	To evaluate various security algorithms.

Course Code & Title: 18UIT519&Major Elective - I Data Mining and Analytics

CO1	To keep in mind the various concepts of data mining
CO2	To understand the types of data mining and analytics
CO3	To execute data mining algorithms for finding hidden interesting patterns in data
CO4	To evaluate various data mining algorithms and analysis of big data.

Course Code & Title: 18UIT519& Major Elective – I Cloud Computing

CO1	To recollect cloud networking concepts
CO2	To understand and familiar with the basic concepts of cloud computing and python
CO3	To apply cloud to large scale distributed systems
CO4	To figure out security issues in cloud computing

Course Code & Title: 18UIT519&Major Elective - I Embedded Systems

CO1	To keep in mind a broad understanding of technologies of embedded system
CO2	To understand the structural design of embedded systems
CO3	To apply embedded/real time operating systems
CO4	To analyze the issues associated with embedded systems

Course Code & Title: 18UIT520&Lab. VII - Open Source Methodologies

CO3	To apply the concepts of GNOME, shell and SDK.
CO4	To analyze the various commands.
CO5	To verify the results for the different input data.

Course Code & Title: 18UIT521&Lab. VIII - Software Testing Tools

CO3	To apply the testing in programming concepts.
CO4	To analyze the different concepts and tools.
CO5	To verify the expected result with the obtained result.

Course Code & Title: 18UIT5S1&Skill Based Major Elective - Lab. I Web Programming Lab. (PHP)

CO3	To deploy the tags and database to the C/S applications.
CO4	To analyze the various tags in the application.
CO5	To verify the output from the different input data.

Course Code & Title: 18UIT5S2 &Skill Based Major Elective - Lab. I Web Programming Lab.JSP

CO3	To execute the different scripting tags.
CO4	To evaluate the various tags in the web.
CO5	To verify the data in the web and database.

Course Code & Title: 18UIT622&Computer Graphics

CO1	To keep in mind basic graphics systems
CO2	To understand various graphical algorithms
CO3	To implement two, three dimensional and clipping algorithms
CO4	To sort of visible surface detection methods

Course Code & Title: 18UIT623&Major Elective - II Digital Image Processing

CO1	To remember the various image processing tools, transformations, filtering, and conversions.
CO2	To get the idea of creation and modifications of digital images.
CO3	To execute the filtering and transferring images using MATLAB.
CO4	To review the processed image from the existing one.

Course Code & Title: 18UIT623&Major Elective - II Software Project Management

CO1	To recollect the basic idea of software project
CO2	To deduce software cost and effort estimations
CO3	To implement resource allocation techniques
CO4	To interpret the software quality

Course Code & Title: 18UIT623&Major Elective - II Artificial Intelligence

CO1	To keep in mind different search strategies for a problem
CO2	To understand concepts of semantic net
CO3	To implement a AI problem to be solved using prolog
CO4	To evaluate different knowledge representation schemes for AI problems

Course Code & Title: 18UIT624&Major Elective - III Mobile Computing

CO1	To keep in mind the various networks, standards, communication medium, Spread spectrum techniques.
CO2	To Understand the basic concepts of wireless networks.
CO3	To deploy the mobile applications to the devices.
CO4	To analyze the various wireless networks techniques.

Course Code & Title: 18UIT624&Major Elective - III E-commerce

CO1	To remember basic concepts of e-commerce
CO2	To understand the role of E-business in current scenario
CO3	To apply different modes of payment
CO4	To analyze various issues associated with e-commerce

Course Code & Title: 18UIT624&Major Elective - III Multimedia Techniques

CO1	To remember the various multimedia techniques, tools, formats and applications.
CO2	To understand the basic concepts of multimedia building blocks.
CO3	To apply the various concepts in the lab.
CO4	To analyze the various formats.

Course Code & Title: 18UIT625&Lab. IX - Graphics & Multimedia

CO1	To apply various algorithms using 'C' and animation techniques using Flash
CO2	To analyze 2D and 3D transformations
CO3	To verify the results for graphics algorithms

Course Code & Title: 18UIT626&Project

CO3	To analyze the system requirements of the application/software
CO4	To apply various tools in real time applications/software
CO5	To verify the developed application with the customer

Course Code & Title: 18UIT6S3& Skill Based Major Elective - Lab. II Web Programming Lab. (Java Script)

CO1	To apply scripting language for designing web pages
CO2	To analyze various event handlings
CO3	To access internet server in an efficient manner

Course Code & Title: 18UIT6S4&Skill Based Major Elective - Lab. II Web Programming Lab. (ASP)

CO3	To execute the different scripting tags.
CO4	To evaluate the various tags in the web.
CO5	To verify the data in the web and database.