



MANNAR THIRUMALAI NAICKER COLLEGE(Autonomous)

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

(Accredited with “A” Grade by NAAC)

Pasumalai, Madurai -625004

DEPARTMENT OF COMPUTER APPLICATION

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|------------------|-------------------|-----------------------|---------------|
| Programme | : UG | Part III | : Core |
| Semester | : III | Hours per week | : 05 |
| Sub code | : 18UCAC31 | Credit | : 04 |

DATA STRUCTURES AND C++

Course Outcomes

CO1: Gain knowledge to apply the major object-oriented concepts such as encapsulation, inheritance and polymorphism using C++.

CO2: Ability to summarize searching and sorting techniques

CO3: Gain knowledge about stack, queue and linked list operation

CO4: Ability to have knowledge of tree and graph concepts.

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| Programme | : UG | Part III | : Core |
| Semester | : III | Hours per week | : 05 |
| Sub code | : 18UCACP3 | Credit | : 04 |

DATA STRUCTURES AND C++ - LAB

Course Outcomes

CO1: Understand fundamentals of object-oriented programming concepts and helps students to develop programming skill in ‘C++’ language

CO2: Use classes, constructors, destructors, inheritance, and operator over loading.in C++

CO3: Be aware of practical knowledge on the applications of data structures like arrays, strings, lists and trees.

CO4: Have practical knowledge on the applications of data structures

Create Data structures and C++ Programming in the following concept:

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| Programme | : UG | Part III | : Allied |
| Semester | : III | Hours per week | : 4 |
| Sub code | : 18UCAA31 | Credit | : 4 |

COMPUTER BASED FINANCIAL ACCOUNTING

Course Outcomes

CO1:To get the Knowledge about the important concepts and characteristics of accounting.

CO2:To study the application of accounting in the general business environment.

CO3:To make the student familiar with generally accepted accounting principles of financial accounting and their applications in business organizations and to enhance their accounting skill.

CO4: Understand the importance and usefulness of Job costing and Job order processing.
Programme :UG **Part IV** **: Skill**

Semester : III **Hours per week : 02**
Sub code : 18UCASP3 **Credit : 02**

TALLY - LAB

Course Outcomes

CO1:To impart knowledge regarding concepts of Financial accounting. Tally is an accounting package which is used for learning to maintain accounts.

CO2:To impart practical training on this software so that students could apply its various aspects in their day to day business/professional activities

CO3:To help future entrepreneur in managing their financial accounting along with business operation through practical session

CO4:To familiarize financial reporting and related key accounting assumptions and principles.

Programme : UG **Part IV : NME**
Semester : III **Hours per week : 2**
Sub code : 18UCAN31 **Credit : 2**

MULTIMEDIA - LAB

Course Outcomes

CO1: To familiarize with Photoshop tools.

CO2: To understand the animation techniques using Adobe Flash.

CO3: To understand the concept of mixing audio and video with text.

CO4: To motivate them towards developing their career in the area of multimedia and internet applications to improve employability skill

Programme :UG **Part III : Core**
Semester : IV **Hours per week : 05**
Sub code : 18UCAC41 **Credit : 04**

JAVA PROGRAMMING

Course Outcomes

CO1: Gain knowledge about basic java language syntax and semantics to write java programs and use concepts such as variables, conditional and iterative execution methods etc.

CO2: Understanding the fundamentals of object-oriented programming in java, including defining classes, objects, invoking methods etc. and exception handling mechanisms.

CO3: Understand the principles of inheritance, packages and interfaces.

CO4: To learn the uses of Java in a variety of technologies and on different platforms

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| Programme | :UG | Part III | : Core |
| Semester | : IV | Hours per week | : 05 |
| Sub code | : 18UCACP4 | Credits | : 04 |

JAVA PROGRAMMING - LAB

Course Outcomes

- CO1:** Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc
- CO2:** Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.
- CO3:** Be aware of the important topics and principles of software development.
- CO4:** Have the ability to write a computer program to solve specified problems.
Create Java Programming in the following concept:

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| Programme | :UG | Part III | :Allied |
| Semester | : IV | Hours per week | : 4 |
| Sub code | : 18UCA41 | Credit | : 4 |

COST ACCOUNTING

Course Outcomes

- CO1:**To acquaint the students with basic concepts used in cost accounting and various methods involved in cost ascertainment systems.
- CO2:**To train the students in finding the cost of products using different methods of costing.
- CO3:**To provide the student knowledge about use of costing data for planning, controls and decision making and enhance their accounting skill.
- CO4:** Use accounting methods of cost calculation.

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| Programme | :UG | Part IV | : Skill |
| Semester | : IV | Hours per week | : 2 |
| Sub code | : 18UCASP4 | Credit | : 2 |

ANDROID APPLICATION DEVELOPMENT- LAB

Course Outcomes

- CO1:** To learn the basic concepts of Android platform.
- CO2:** To write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more.
- CO3:** Ability to write apps for Android devices.
- CO4:** Integrate applications with enterprise web and location-based services provide employability skill

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| Programme | : UG | Part IV | : NME |
| Semester | : IV | Hours per week | : 2 |
| Sub code | : 18UCAN41 | Credit | : 2 |

ANIMATION - LAB

Course Outcomes

CO1: Develop the skill & knowledge in 3D Modelling & Animation.

CO2: Understand the function either as an entrepreneur or can take up jobs in the multimedia and animation industry,

CO3: Develop the skill and creativity by practicing video studios, edit set-up and other special effects

CO4: Create a 3D environment featuring lighting and textures.