

PROGRAM OUTCOME for PG Diploma of Computer Applications

PO1: It will equip the students with skills required for designing, developing applications in Information Technology.

PO2: Students will be able to learn the latest trends in various subjects of computers & information technology.

PO3: The PG Diploma is aimed at graduates with a computing background and provides a detailed coverage of the key concepts and challenges in data and resource protection and computer software security.

PO4: To give hands on to students while developing real life IT application as part of the study.

PO5: To train graduate students in basic computer technology concepts and information technology applications. **PO6:** Design and develop applications to analyze and solve all computer science related problems.

Course Outcome of PGDCA(2021-22)

PGDCA-101 Fundamental of Information Technology :-

- Describes the computer and its general features
- Understand basic concepts and terminology of information technology
- Will be able to express basic computer hardware
- Distinguish computer types and basic concepts
- Know and use different number systems and the basics of programming.
- Have a basic understanding of personal computers and their operations
- Be able to identify issues related to information security.

PGDCA-102 Operating Systems

1. Students will learn how Operating System is Important for Computer System.
2. To make aware of different types of Operating System and their services.
3. To learn different process scheduling algorithms and synchronization techniques
4. To achieve better performance of a computer system.
5. To know virtual memory concepts.
6. To learn secondary memory management .
7. Understands the different services provided by Operating System at different level. They learn real life applications of Operating System in every field.
8. Understands the use of different process scheduling algorithm and synchronization techniques to.

Course code: PGDCA-103 Programming with C language

- Develop a C program
- Control the sequence of the program and give logical outputs
- Implement strings in C program
- Store different data types in the same memory
- Manage I/O operations in your C program
- Repeat the sequence of instructions and points for a memory location
- Apply code reusability with functions and pointers

Course code : PGDCA-104 Lab OAS

- to perform documentation
- to perform accounting operations
- to perform presentation skills

Course code : Pgdca-105 c language practical

- Understanding a functional hierarchical code organization.
- Ability to define and manage data structures based on problem subject domain.
- Ability to work with textual information, characters and strings.
- Ability to work with arrays of complex objects.

PGDCA-203 C++

- Describe OOPs concepts
- Use functions and pointers in your C++ program
- Understand tokens, expressions, and control structures
- Explain arrays and strings and create programs using them
- Describe and use constructors and destructors
- Understand and employ file management
- Demonstrate how to control errors with exception handling.

Course code: PGDCA-201 DBMS

Sem-II

- Understand the basic principles of database management systems.
- Draw Entity-Relationship diagrams to represent simple database application scenarios
- Discuss normalization techniques with simple examples.
- Describe transaction processing and concurrency control concepts.\
- creating relational database, analysis of table design.

PGDCA-202 Introduction to Computer Network, Internet & E-commerce

1 To provide students with an overview of the concepts and fundamentals of data communication and computer networks

2. To familiarize with the basic taxonomy and terminology of computer networking area.

3 To provide adequate knowledge and understanding about Internet, Web browsers, search engines, E-commerce Technology, Business models and Electronic payment System.

Course code: PGDCA- 204

DBMS Lab

- Understanding a concept of object thinking within the framework of functional model.
- Understanding a concept of functional hierarchical code organization.
- Understanding a defensive programming concept. Ability to handle possible errors during program execution

course Code: PGDCA-203 C++ Programming lab

- Describe OOPs concepts
- Use functions and pointers in your C++ program
- Understand tokens, expressions, and control structures
- Explain arrays and strings and create programs using them
- Describe and use constructors and destructors
- Understand and employ file management