



Name of the program

POST GRADUATE DIPLOMA OF COMPUTER APPLICATION (P.G.D.C.A.)

After completing the one-year Postgraduate Programme in P.G.D.C.A, students are expected to:

PO1: Learn the skills required for designing, developing applications in Information Technology.

PO2: Understand the latest trends in various subjects of computers & information technology.

PO3: Learn the basic computing background and provides a detailed coverage of the key concepts and challenges in data and resource protection and computer software security.

PO4: Become skilled in developing real life IT application as part of the study.

PO5: Gain the basic computer technology concepts and information technology applications.

PO6: Design and develop applications to solve and analyze all computer science related problems.

Programme Specific Outcomes

The program-specific outcomes of the Postgraduate Programme in P.G.D.C.A are listed below.

PSO1: This programme help to expose the students to open Source technologies so that they become familiar with it and can seek appropriate opportunity in trade and industry.

PSO2: This programme provide socially acceptable technical solutions to real world problems with the application of modern and appropriate programming techniques.

PSO3: This programme provide basic ideas to design applications for any desired needs with appropriate considerations for any specific need on societal and industrial aspects.

Course Outcomes (COs)**1st Semester****Course Title: Fundamentals of Computers****Course Code: PGDCA101***On completion of this course, students will be able to*

- CO1** Identify computer hardware and peripheral devices
- CO2** Differentiate various number systems.
- CO3** Distinguish the advantages and disadvantages of various operating systems and use Microsoft Office suite.

Course Title: Programming with C**Course Code: PGDCA102***On completion of this course, students will be able to*

- CO1** Comprehend fundamental concepts of C program.
- CO2** Develop C code for different problems.

Course Title: Relational Database Management System**Course Code: PGDCA103***On completion of this course, students will be able to*

- CO1** Define database.
- CO2** Explain the advantages of a database.
- CO3** Construct database model and use RDBMS's back end and front end tools.

Course Title: Data Communication and Computer Network

Course Code: PGDCA104

On completion of this course, students will be able to

- CO1 Describe fundamental concepts of data communication and computer networks.
- CO2 Illustrate the Layers of ISO/OSI and TCP/IP reference model.

Course Title: Project I

Course Code: PGDCA105

On completion of this course, students will be able to

- CO1 Comprehend fundamental concepts of system analysis and design.
- CO2 Use and apply the concepts of courses of the 1st semester PGDCA program.

2nd Semester

Course Title: Introduction to Multimedia

Course Code: PGDCA201

On completion of this course, students will be able to

- CO1 Summarize the key concepts in current multimedia technology.
- CO2 Create quality multimedia software titles.

Course Title: Desktop Publishing

Course Code: PGDCA202

On completion of this course, students will be able to

- CO1 Create book works, build booklets, completing the book using Page Maker.
- CO2 Create business cards, pamphlets, banners, newspapers, and books using Corel Draw.
- CO3 Use various tools of Photoshop.

Course Title: Internet & Web Technology

Course Code: PGDCA203

On completion of this course, students will be able to:

CO1 Develop and publish websites.

CO2 Resolve Code and troubleshoot HTML web pages, incorporating CSS and JavaScript.

Course Title: Mobile Technology

Course Code: PGDCA204

On completion of this course, students will be able to:

CO1 Explain different mobile operating systems.

CO2 Discuss various mobile technologies.

CO3 Develop mobile applications.

Course Title: Project IIC

Course Code: PGDCA205

On completion of this course, students will be able to

CO1 Use and apply the concepts of courses of the PGDCA program using mobile technology.

