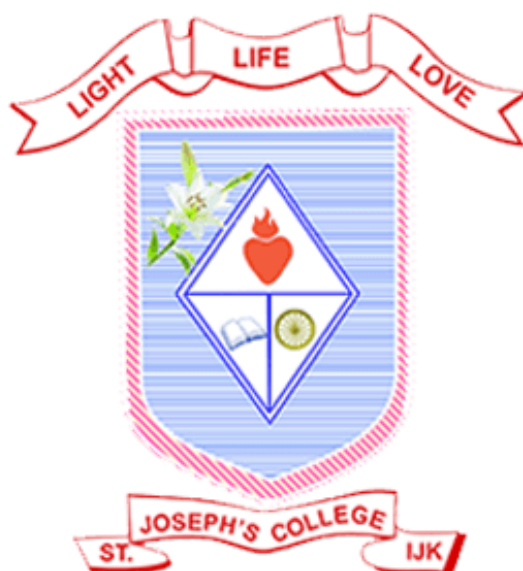


ST.JOSEPH'S COLLEGE (AUTONOMOUS)

IRINJALAKUDA, THRISSUR (DT)

KERALA-680121

**CERTIFICATE COURSE IN DIPLOMA IN COMPUTER
APPLICATIONS (DCA)**



CERTIFICATE COURSE IN COMPUTER APPLICATIONS (DCA)

Target group-Under graduates (First year & second year)

DCA, Diploma in Computer Applications, is a one-year diploma course in the field of Computer Applications which involves study of numerous computer applications such as MS Office, Internet Applications, Operating System, Database Management System (DBMS), and HTML among other subjects. The course curriculum ensures to provide an aspirant a deeper knowledge of the subject as well as will make the student technology friendly. Some of the core subjects of this program are Basics Computer Skills, MS Office Applications, Internet Basics, E-Business, PC Assembly and Troubleshooting.

Aims and objectives

- The broad objective of the PGDCA programme is to prepare Post Graduates for productive careers in software industry, corporate sector, govt. organisations and academia by providing skill based environment for teaching and research in the core and emerging areas of the discipline.
- This aim of diploma is to develop dynamic computer professionals in short time.
- The programme emphasizes the application of software technology to solve mathematical, computing, communications/networking and commercial problems.
- The programme prepares the student to undertake Master Programme and for designing small business application softwares as per the need of industry and real world.

Course outcome

- It will equip the students with skills required for designing, developing applications in Information Technology.
- Students will able to learn the latest trends in various subjects of computers & information technology.
- 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
- To give hands on to students while developing real life IT application as part of the study

Teaching methodologies

Total hours: 30

Lecture hours: 15

Practical hours: 15

Exam pattern: Offline

Attendance: 75 % of attendance is compulsory

SYLLABUS

Module-1

- Introduction to computers
- Introduction to windows
- Computer fundamentals and windows

Module-2

- Representation of data/information concepts of data processing
- Principles of programming
- Programming language database
- Operating System and Application Program

Module-3

- Programming Language
- Practical on C Programming and Application Program
- Practical on Application Program

Module-4

- Database Management System
- Visual Basics (VB)
- Computer Communication and Internet