

**POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS SYLLABUS  
UNDER CBCS SCHEME**

(With effect from the academic year 2011-2012 and onwards)

**I Semester:** (With effect from the academic year 2011-2012 and onwards)

PGDCA 1.1HC: Information and Communication Technology  
PGDCA 1.2HC: Programming in C and C++  
PGDCA 1.3HC: Operating System Principles  
PGDCA 1.4SC: Database Management System  
PGDCA 1.5: Practical – I PC packages Lab.  
PGDCA 1.6: Practical –II C programming Lab.  
PGDCA 1.7: Practical – III C++ programming Lab.  
PGDCA 1.8: Practical – IV OS and DBMS Lab.

**II Semester:** (With effect from the academic year 2011-2012 and onwards)

PGDCA 2.1HC: Data Structures using C  
PGDCA 2.2HC: Computer Networks  
PGDCA 2.3SC: Elective-I  
PGDCA 2.4OE: Programming with Visual Basic.NET  
PGDCA 2.5: Practical-I Data Structures and N/w Lab.  
PGDCA 2.6: Practical-II (OE) VB .NET Lab.  
PGDCA 2.7: Practical – III Project Work

**Elective – I:**

PGDCA 2.3 SC(a): Mobile Communications  
PGDCA 2.3 SC(b): Software Engineering  
PGDCA 2.3 SC(c): Web Technology  
PGDCA 2.3 SC(d): Computer Graphics and Multimedia  
PGDCA 2.3 SC(e): Programming in JAVA  
PGDCA 2.3 SC(f): Multimedia

**Note:** Each practical consists of two hours of desk work for program development and documentation and two hours of computer work for implementation

\* HC: Hard Core SC: Soft Core, OE: Open Elective