



**DPG DEGREE COLLEGE**

**(Affiliated to MDU Rohtak)**

**Sector-34, Near Marble Market, Gurugram 122001**

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**Advance Post Graduate Diploma in Computer Application**

**APGDCA SEMESTER-I**

**SUBJECT NAME: COMPUTER ARCHITECTURE AND ORGANIZATION**

**COURSE OUTCOMES:**

- CO1.** Define different number systems, binary addition and subtraction, 2's complement representation and operations with this representation.
- CO2.** Describe the fundamental organization of a computer system.
- CO3.** Explain addressing modes, instruction formats and program control statements
- CO4.** Use K-map for simplification of Boolean expressions
- CO5.** Describe fundamentals concepts of pipeline and vector processing.

**SUBJECT NAME: FOUNDATION IN IT & MS OFFICE -2000**

**COURSE OUTCOMES:**

- CO1.** Describe the Fundamentals and Classifications of computers.
- CO2.** Explain the working of Memory, input and output devices.
- CO3.** Outline the salient features of word processing with special reference to Microsoft Word.
- CO4.** Discuss the main features and application of Spread Sheet emphasizing Microsoft Excel.
- CO5.** Describe the features of Microsoft PowerPoint.

**SUBJECT NAME: COMPUTER NETWORKING AND MULTIMEDIA**

**COURSE OUTCOMES:**

- CO1.** Analyse the requirements for a given organizational structure and select the most appropriate networking Architecture and technology.
- CO2.** Have a basic knowledge of the use of Cryptography and network Security.
- CO3.** Have a knowledge about Multimedia and its components

**APGDCA SESSION (2021-2022) SEMESTER-II**

**SUBJECT NAME: VISUAL BASIC AND ORACLE**

**COURSE OUTCOMES:**

- CO1** • Design, create, build, and debug Visual Basic applications.
- CO2** • Explore Visual Basic's Integrated Development Environment (IDE).

**CO3** • Explain variables and data types used in program development.

**CO4** • Write and apply procedures, sub-procedures, and functions to create manageable code.

**SUBJECT NAME: SYSTEM ANALYSIS AND DESIGN COURSE OUTCOMES**

**COURSE OUTCOMES:**

**CO1.** Students will learn to analyze ,model and design business system and process requirements using common tools and methodologies.

**CO2.** They will apply the concepts from class to real life system development projects of their choice.

**CO3.** System Analysis and Design can help at all levels of money management ,help students in scheduling the

Funding of small and large projects.

**SUBJECT NAME: VISUAL C++**

**COURSE OUTCOMES:**

**CO1** • Create flowcharts for simple programming problems. • Develop algorithms for simple programming problems.

**CO2** • Write pseudo-code as solutions to programming problems. • Demonstrate proficiency in writing structured programs using the Visual C++ programming language to resolve problems.

**CO3**• Incorporate the use of control structures, data manipulation, and input/output in programs.

**CO4** • Express a working knowledge of arrays, sorted properties, and file processing.

**PROGRAMME OUTCOME**

At the end of the one year APGDCA program me the students will be able to:

• Understand, analyze and develop computer programs in the application of software technology to solve mathematical, computing, communications / networking and commercial problems..

• Work in the IT sector as system engineer, software tester, software analyst, web developer, System administrator, software developer etc.

• Provides students a thorough and sound background in theoretical and application-oriented courses relevant to the latest computer software development.

