



# ISLAMIC UNIVERSITY OF PAKISTAN

Syllabus Bs(cs) 4y & 2y

## (SEMESTER - I)

Introduction to Computers  
Fundamental of Algorithm  
Introduction of Accounting /Financial Acc.  
Mathematical Method  
Functional English & Composition  
Islamic Studies

## (SEMESTER - III)

Object Oriented Programming  
Database Management system-  
(DBMS) Relational DBMS  
Differential Equation  
Circuit Theory  
Human Resource Management  
Web Programming

## (SEMESTER - V)

Software Engineering - II  
Visual Programming  
Design & Analysis of Algorithm  
Computer Architecture  
Numerical Computation / Numerical Analysis  
Statistics & Probability

## (SEMESTER - VII)

Compiler Construction  
Operational Research  
Expert System  
Computer Graphics  
Elective - I

## (SEMESTER - II)

Introduction Of Computer Programming  
Discrete Mathematics  
Calculus and Analytic Geometry  
Communication skill & technical Writing  
Financial Management  
Islamic / Pakistan Studies

## (SEMESTER - IV)

Data Structure  
Digital Logic Design  
Software Engineering - I  
Advance Object Oriented Programming  
Basic Electronic  
Linear Algebra

## (SEMESTER - VI)

Operating System  
Computer Organization & Assembly Language  
Data Communication & Networks  
Distributed Database System  
Advanced Programming language  
Theory of Automata

## (SEMESTER - VIII)

Introduction to psychology  
Artificial Intelligence - I  
Elective - II  
Project

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