



## SYLLABUS

### DEPARTMENT OF B.C.A

### COMPUTER APPLICATION

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**DR.M.G.R.JANAKI COLLEGE FOR WOMEN**

EXCELLENCE THROUGH DILIGENCE

"Sathyabama MGR Maligai", 11&13, Durgabai Deshmuk Road, Chennai - 600028,  
Tamilnadu. Phone:044 2493 7382 , E-mail: info@mgrjanaki.ac.in ,

Web: www.mgrjanaki.ac.in

## **I Semester**

Language –I  
English –I  
Major 1: Digital Logic Fundamentals  
Allied 1: Maths –I  
Practical I:  
Major 2: PC-Software Lab  
Non-Major Elective - I  
Soft Skills –I

## **II Semester**

Language –II  
English –II  
Major 1: C-Lab  
Allied 1: Maths –II  
Practical II:  
Major 1: Programming in C  
Non-Major Elective - II  
Soft Skills –II

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### **III Semester**

Major 1: Programming in C++ &  
Data Structures

Major 2: Microprocessors & its  
Applications

Major 3: Numerical & Statistical  
Methods

Allied 1: Financial Accounting

Practical III: Programming in C++ using  
Data Structures

Environmental Studies

Soft Skills –III

### **IV Semester**

Major 1: Programming in Java

Major 2: Operating System

Major 3: Computer Graphics

Allied 1:– Cost and Management  
Accounting

Practical IV: Java Programming Lab

Soft Skills –IV: Environmental Studies

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## **V Semester**

Major 1: Database Management  
System

Major 2 :Software Engineering

Major 3: Resource Management  
Techniques

Elective 1: Visual Programming

Practical V: RDBMS Lab.

Value Education

Employability Skills

## **VI Semester**

Major 1: – Web Technology

Major 2: Data Communication and  
Networking

Major 3: Software Testing

Elective 1:– Object Oriented Analysis And Design

Elective II: Client Server Computing

Practical VI: Web Application Lab.

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