



## **SYLLABUS**

### **DEPARTMENT OF B.SC COMPUTER SCIENCE**

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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

## **Semester I**

Part I	Tamil –I Hindi –I Sanskrit –I French –I English –I
PART II	Programming in C
PART III	Programming in C -Practical I:
Allied I	Mathematics- I
PART IV	NME: HTML
Soft Skills	Essentials of Languages and Communication

## **Semester II**

Part I	Tamil –II Hindi –II Sanskrit –II French –II English –II
PART II	Digital Electronics & Microprocessors
PART III- Practical II:	Digital Electronics & Microprocessors
Allied I	Mathematics- II
PART IV NME:	HTML Lab
Soft Skills	Spoken and presentation skills

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## **Semester I I I**

Part I	Tamil –III Hindi –III Sanskrit –III French –III English III
PART II	Programming in C++ and Data Structures
PART III -Practical III:	Programming in C++ and Data Structures
Allied II	Statistical Methods and their applications- I
Soft Skills	Quantitative Aptitude

## **Semester I V**

Part I	Tamil –IV Hindi –IV Sanskrit –IV French –IV English IV
PART II	Programming in Java
PART III -Practical IV:	Programming in Java
Allied II	Statistical Methods and their applications II
Soft Skills	Personality Enrichment Environmental Studies

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## **Semester V**

Part III	Paper- IX – Operating System
Part III	Paper- X – Database Management Systems
Part III	Paper XI – Computer Architecture and Organization
Part III	Paper XII – Practical –V: RDBMS Lab
Elective I	Visual Programming
Part IV	Value Education

## **Semester VI**

Part III	Paper- XIII – Data Communication and Networking
Part III	Paper- XIV – Web Technology
Part III	Paper XV – Practical –VI: Web Applications Lab
Elective II	Data Mining
Elective III	Software Engineering
Part IV	Extension Activities

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## Non Major Elective Syllabus Common

<b>I Semester (Any one subject of the following Non-Major Elective chosen by the candidate)</b>	<b>II Semester (Any one subject of the following Non-Major Elective chosen by the candidate)</b>
1. Business and Office Applications	1. Business and Office Applications Lab
2. MS ACCESS	2. MS ACCESS Lab
3. Flash	3. Flash Lab
4. HTML	4. HTML Lab

## List Of Courses on Soft-Skills for UG Course

<b>S.No</b>	<b>Course Title</b>
1.	Essentials of language and Communication
2.	Essentials Of Spoken and Presentation Skills
3.	Personality enrichment : Level 1
4.	Computing Skills - Basic

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