

ANNAI VELANKANNI COLLEGE. THOLYAVATTOM**B.Sc COMPUTER SCIENCE (Semester)****From 2006 – 2007 onwards**

FIRST SEMESTER	SUBJECT TITLE	LECTURE	LAB	TOTAL
L1	Part I – Language	6 hrs	-----	6hrs
L2	Part II – ENGLISH	6 hrs	-----	6 hrs
M1**	C-Programming	4 hrs	-----	4 hrs
A11	Allied I –Digital Principles and Applications	4 hrs	-----	4hrs
A21	Allied II-Computer Oriented Numerical Methods	4 hrs	-----	4 hrs
P1	LAB : C Programming	-----	4 hrs	4 hrs
AP1	Allied Practical - Numerical methods and Office Automation	-----	4 hrs	4 hrs

SECOND SEMESTER	SUBJECT TITLE	LECTURE	LAB	TOTAL
L1	Part I – Language	6 hrs	-----	6hrs
L2	Part II – ENGLISH	6 hrs	-----	6 hrs
M2 *	Object Oriented Programming using C++	4 hrs	-----	4 hrs
A12	Allied I –Microprocessor	4 hrs	-----	4hrs
A22	Allied II-Discrete Mathematics	4 hrs		4 hrs
P2	LAB : C ++	-----	4 hrs	4 hrs
AP2	Allied Practical - Microprocessor	-----	2 hrs	2 hrs

THIRD SEMESTER	SUBJECT TITLE	LECTURE	LAB	TOTAL
M3 *	Operating Systems	5 hrs	-----	5 hrs
M4 *	JAVA Programming	5 hrs	-----	5 hrs
A13	Allied I –Computer Architecture	4 hrs	-----	4 hrs
A23	Allied II – Data Structure	4 hrs	-----	4hrs
USV3	Social Value Education	2 hrs		2 hrs
P3	LAB : OOP using JAVA	-----	6 hrs	6 hrs
AP3	Allied Practical - Data Structure	-----	4 hrs	4 hrs

FOURTH SEMESTER	SUBJECT TITLE	LECTURE	LAB	TOTAL
M5 *	Computer Networks and Communication	5 hrs	-----	5 hrs
M6 *	Introduction to problems solving using VB	5 hrs	-----	5 hrs
A14	Allied I –P.C. Trouble Shooting	4 hrs	-----	4 hrs
A24	Allied II – Resource Management Techniques	4 hrs	-----	4hrs
	Environmental Studies	2 hrs	-----	2 hrs
P4	LAB : Visual Basic	-----	6 hrs	6 hrs
AP4	Allied Practical - P.C.T. Hardware Lab.	-----	4 hrs	4 hrs

FIFTH SEMESTER	SUBJECT TITLE	LECTURE	LAB	TOTAL
M7 *	Object Oriented Software Engineering	4 hrs	-----	4 hrs
M8 **	Introduction to Computer Graphics & Multimedia	4 hrs	-----	4 hrs
MO1	Optional Paper I (Any one from Group A)	4 hrs	-----	4 hrs
MO2	Optional Paper II (Any one from Group B)	4 hrs	-----	4hrs
	Environmental Studies	2 hrs		2 hrs
MP1	LAB : Major Project-Group-Subject Related		6 hrs	6 hrs
P5	LAB: Graphics (C, C++& JAVA) and Multimedia Programming		6hrs	6hrs

SIXTH SEMESTER	SUBJECT TITLE	LECTURE	LAB	TOTAL
M9	WEB Technology & Design	4 hrs	-----	4 hrs
M10 **	Database Management Systems with Oracle	4 hrs	-----	4 hrs
MO3	Optional Paper III (Any one from Group C)	4 hrs	-----	4 hrs
MO4	Optional Paper IV (Any one from Group D)	4 hrs	-----	4hrs
	General Awareness	2 hrs		2 hrs
MP1	LAB : Major Project-Group Subject Related		6 hrs	6 hrs
P6	LAB: Oracle		6hrs	6hrs

List of Optional Papers for B.Sc Computer Science

Group A	Group B
<ol style="list-style-type: none"> 1. Foundation of Artificial Intelligence 2. System programming Fundamentals 3. Client Server Computing 	<ol style="list-style-type: none"> 1. ASP. NET Programming 2. Mobile Computing 3. Data Mining & Data ware housing *
Group C	Group D
<ol style="list-style-type: none"> 1. Neural Network 2. Principles of Computer Design 3. Cryptography and Network Security** 	<ol style="list-style-type: none"> 1. J2EE 2. Embedded System 3. Bio-Informatics