

## CHITKARA UNIVERSITY, BAROTIWALA

### LIST OF TEXT BOOKS FOR DIFFERENT DEGREE DISCIPLINES:

Sr. No.	Course code	Name of the course	Titles and other details about the text books
<b>Discipline - B. Tech ( CSE), B.Tech (CSE ) + MBA, B.Tech ( CSE) + M.Tech</b>			
1	AM 1001	MATEMATICS – I (CALCULUS)	Thomas/Finney, “Calculus”, 9 <sup>th</sup> edition, Pearson Education.
2	CS 1001	INTRODUCTION TO COMPUTER SYSTEM AND PROGRAMMING IN C	Bruce Eckel, “Thinking in C”, Prentice Hall
3	EL 1001	FUNDAMENTALS OF ELECTRONICS AND ELECTRICAL ENGINEERING	1. Bobrow, Leonard S., Fundamentals of Electrical Engineering, Oxford University Press, Second Edition, 1996 2. D.K. BHATTACHARAYYA, RAJNISH SHARMA, SOLID STATE ELECTRONIC DEVICES, Oxford University Press, 2007
4	PH 1001	MODERN PHYSICS – I	Concepts of Modern Physics by Arthur Beiser, McGraw Hill Publication

Note : Separate Class notes for CS 1001 and English language courses will be available, once the regular class work starts.

**MCA**

<b>Sr. No.</b>	<b>Course code</b>	<b>Name of the course</b>	<b>Titles and other details about the text books</b>
1	CS 1002	PROGRAMMING IN C – I	1. Herbert Schildt, “The Complete Reference C”, 4 <sup>th</sup> Edition, Tata McGraw Hill 2. Schaums’ Outlines Programming with C, Second Edition By Byron S Gottfried , Published By Tata McGraw-Hill Edition
2	CS 1003	COMPUTER ORGANIZATION AND OS INSTALLATION	1. Introduction to Computers by Peter Norton published by Tata McGraw Hill 2. Introduction to Computers by Leon and Leon published by Leon TECH World
3	AM 1002	MATHEMATICAL STRUCTURES (DISCRETE)	1. Discrete Mathematics”, Lipschutz/Lipson, Schaum Series, 2 <sup>nd</sup> Edition, TMH

Note : Separate Class notes for English language course will be available, once the regular class work starts.

<b>BCA</b>			
<b>Sr. No.</b>	<b>Course code</b>	<b>Name of the course</b>	<b>Titles and other details about the text books</b>
1	CS 1004	FUNDAMENTALS OF COMPUTER	1. Peter Norton, "Introduction to Computers", Tata McGraw Hill 2. Leon and Leon, "Introduction to Computers", Leon TECH World
2	CS 1005	PROBLEM SOLVING TECHNIQUES AND LOGIC DEVELOPMENT USING C - I	1. Schaums' Outlines, "Programming with C", Second Edition by Byron S Gottfried, Published By Tata McGraw-Hill Edition 2. Henry Mullish and Herbert L. Cooper, "Spirit of C", Jaico Books
3	AM 1002	MATHEMATICS-I (FOUNDATIONS OF MATHEMATICS)	Kenneth H. Rosen, "Discrete Mathematics and its Applications", Tata McGraw Hill, Sixth Edition.

Note : Separate Class notes for English language course will be available, once the regular class work starts.

**B.Tech ( CSE) , LEET**

Sr. No.	Course code	Name of the course	Titles and other details about the text books
1.	CS 2001	DATA & FILE STRUCTURES(C++)	<ol style="list-style-type: none"><li>1. Jean Paul Tremblay and Paul G Sorenson, “An Introduction to Data Structures with Applications”, McGraw-Hill, Singapore, 1984</li><li>2. Loomis, “ Data Management and File Structures”, Prentice Hall Publications</li><li>3. Lipschutz, Seymour, “Data Structures Algorithm”, Schaums Series</li></ol>
2.	CS 2003	ADVANCED COMPUTER ORGANIZATION	<ol style="list-style-type: none"><li>1. Patterson, David A &amp; J L Hennensy, “Computer Organization &amp; Design”, Harcourt Asia, 2<sup>nd</sup> Edition, 1997</li><li>2. J.P. Hayes, “Computer Organization &amp; Architecture, Tata McGraw Hill,1998</li></ol>
3.	CS 2004	OPERATING SYSTEM CONCEPTS & SHELL PROGRAMMING	<ol style="list-style-type: none"><li>1. Silberschatz &amp; Galvin, “Operating System Concepts”, Published by Addison Wesley</li><li>2. K. Christian, “The UNIX Operating System”, Published by John Wiley</li></ol>