

Lab Course
C Programming (BC21501) and DBMS (BC21502)

Semester II

Subject Code: BCP21506



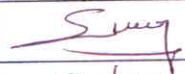

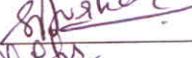
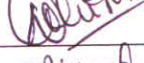

Lectures: 48

Objectives:

The syllabus aims in equipping students with

- The basic concepts of computer programming.
- Developing practical knowledge by writing programs using C
- Creations, manipulation of data in databases through queries.

Unit 1 C Programming	24 Lects.
• Assignment to demonstrate use of arrays (1-d arrays) and functions	4
• Assignment to demonstrate use of multidimensional array (2-d arrays) and functions.	4
• Assignment to demonstrate use of pointers.	4
• Assignment to demonstrate concept of strings.	4
• Assignment to demonstrate structures (using array) and Union	4
• Assignment to demonstrate command line arguments.	4
• Assignment to demonstrate file handling (text files)	4

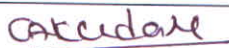

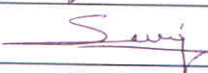




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Prof. Mahesh Pawar	
Mr. Suraj Agarwal	
Ms. Netra Jadhav	
Mrs. Smita Borkar	
Mrs. Divya Chitre	
Mrs. Monika Rajguru	
Ms. Deepali Agarwal	
Mrs. Shubhangi Jagtap	



Unit 2: File Organization and Database Management System	24 Lects.
• Assignment to create/alter table and insert / update / delete records.	6
• Assignments on database constraints	2
• Assignments. (use simple / nested queries).	10
• Queries using aggregate functions.	6

Reference Books:

- *Let us C* –Yashwant Kanetkar, BPB publication 10 th edition 2010.
- *Programming in ANSI C* - Balguruswamy, Tata McGraw-Hill publication 3 rd edition 2004.
- *Understanding Pointers in C* - Yashwant Kanetkar, BPB publication 2002.
- *The Complete Reference C* – Herbert Schildt, Tata McGraw-Hill publication 3 rd edition 2008.
- *Database Management Concepts* : Silberschatz, Korth, Sudarshan Tata McGraw-Hill publication fifth edition 2006.

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