

Computer Laboratory based on (C Language and Database Management system)
Computer Laboratory based on (C Language and Database Management system)
[PRACTICAL]

Semester I	Credits: 4	Subject Code: BCP12006	Lectures: 48
-------------------	-------------------	-------------------------------	---------------------

Course Outcomes:

At the end of this course the learner will be able to,

- Create basic C program.
- Relate how to implement logic practically in C.
- Recognize how to use Oracle as a database server.
- Create database and table in oracle.
- Develop an ability/skill for creations, manipulation of data in databases through queries.

Unit 1 C Programming	24
<ul style="list-style-type: none">• Assignments to demonstrate use of operators• Assignments to demonstrate use of conditional statements• Assignments to demonstrate use of looping statements• Assignments to demonstrate use of arrays (1-d arrays)• Assignments to demonstrate use of multidimensional array (2-d arrays)• Assignments to demonstrate use of Function• Assignments to demonstrate use of pointers.• Assignments to demonstrate concept of strings.• Assignments to demonstrate structures (using array)	

Unit 2: Database management system	24
<ul style="list-style-type: none">• Assignments to insert / update / delete records using tables.• Assignments to understand the concept of constraints.• Assignments. (use simple forms of Select / update / delete statements)Creating simple, nested.• Assignments to demonstrate various types of select queries.• Queries using aggregate functions.	

#12 hours for Library work, assignments, practical or field work

Reference Books:






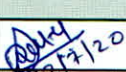
- Yashwant Kanetkar , *Let us C* ,Abrams, M.H. *A Glossary of Literary Terms*. Prism:

1

Board Of Studies	Name	Signature
Head of the Department	Asst. Prof. Smita Borkar	



- Bangalore; 2004, , , BPB publication;
- Balagurusamy, *Ansi C*, MC Graw Hill Eductaion, 2017
 - Yashwant Kanetkar, *Understanding Pointers in C*, BPB publication 2002.
 - Herbert Schildt, *The Complete Reference C*, , Tata McGraw-Hill publication 3 rd edition 2008.
 - Henry korth, A Silberschatz, *Database System Concepts*, Tata McGraw-Hill publication fifth edition 2006.
 - Ivan Bayross, , *SQL, PL/SQL The Programming Language*, BPB Publication

Board Of Studies	Name	Signature
Head of the Department	Asst. Prof. Smita Borkar	
Faculty*	Asst. Prof Monika Rajguru	
Faculty*	Asst. Prof. Divya Chitre	
Subject Expert (Outside SPPU)	Dr. Sagar Jambhorkar	
Subject Expert (Outside SPPU)	Dr. Shankar Mali	
VC Nominee	Asst. Prof Anjum Patel	
Industry Expert	Mr. Sumit Singh Pal	
One Alumni***	Ms. Vidhi Thakkar	

Board Of Studies	Name	Signature
Head of the Department	Asst. Prof. Smita Borkar	