

TCET/FRM/IP-02/09

Revision: A

## Basic Skill based Bridge Course (BBC) Plan

### Advanced C programming in Linux

Semester: IV

Class: SE-CMPN

Sno	Module No.	Lesson No.	Topics Planned (Technology to be used)	Teaching Aids Required	Planned / Completion Date Div A, Div B	Resource Book Reference	Remarks
1	Module 1	L 2.1	Linux File System(Ubuntu) <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Linux Commands</li> </ul>	Whiteboard, Marker	15/01/2018,16/01/2018	1.1	
2		L 2.2	File Management Commands, Directories Commands, Editors	Whiteboard, Marker	15/01/2018,16/01/2018	1.1	
3	Module 2	L 3.3	Introduction <ul style="list-style-type: none"> <li>• Setting System</li> <li>• Installing gcc compiler</li> <li>• Hello World Program</li> </ul>	Whiteboard, Marker	22/01/2018,23/01/2018	1.1,2.1	
4		L3.4	Exercise on L3.3	Whiteboard, Marker	22/01/2018,23/01/2018	1.1,2.1	
5		L 4.1	Data & Memory <ul style="list-style-type: none"> <li>• Simple Data Types</li> <li>• Use of data types</li> <li>• What is String</li> <li>• Use of string library</li> </ul>	Whiteboard, Marker	29/01/2018,30/01/2018	1.1,2.1	
6		L 4.2	Exercise on L 4.1	Whiteboard, Marker	29/01/2018,30/01/2018	1.1,2.1	
7	Module 3	L 5.1	Control Structures: if, else if, for, while, do...while	Whiteboard, Marker	05/02/2018,06/02/2018	1.1,2.1	
8		L 5.2	Exercise on L 5.1	Whiteboard, Marker	05/02/2018,06/02/2018	1.1,2.1	
9		L 6.1	Switch Statement, Break and Continue	Whiteboard, Marker	12/02/2018,17/02/2018	1.1,2.1	
10		L 6.2	Exercise on L 6.1	Whiteboard, Marker	12/02/2018,17/02/2018	1.1,2.1	
11	Module 4	L 8.1	Test-I		26/02/2018,27/02/2018	1.1	
12		L 8.2	Test-I		26/02/2018,27/02/2018	1.1,2.1	
13		L 9.1	Functions <ul style="list-style-type: none"> <li>• User Defined Functions</li> <li>• Library Functions</li> <li>• Functions with parameter Parameter Passing</li> </ul>	Whiteboard, Marker	05/03/2018,06/03/2018	1.1, 2.1	
14		L 9.2	Pointers Call by value, Call by reference	Whiteboard, Marker	05/03/2018,06/03/2018	1.1, 2.1	
15	Module 5	L 10.1	Structures Concept, nested structures	Whiteboard, Marker	12/03/2018,13/03/2018	1.1, 1.2	
16		L 10.2	Exercise on L 10.1	PPT	12/03/2018,13/03/2018	1.1, 1.2	



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DEPARTMENT OF COMPUTER ENGINEERING (CMPN)

Credit Based Grading System [CBGS - 2012(R)]/Choice Based Credit and Grading Scheme [CBCGS - 2016(R)]

University of Mumbai



17	Module 6	L 11.1	Introduction to Graphics Programming <ul style="list-style-type: none"> <li>OpenGL, Header files, Graphics Examples</li> <li>Graphics with GD Library</li> <li>Functions in GD Library</li> </ul>	PPT	19/03/2018,20/03/2018	1.1, 1.2	
18		L 11.2	Exercise on L 11.1	PPT	19/03/2018,20/03/2018	2.1,2.2	
19		L 12.1	MySQL C API <ul style="list-style-type: none"> <li>Introduction, Installation</li> </ul>	Whiteboard, Marker	26/03/2018,27/03/2018	2.2	
20		L 12.2	Database Handling <ul style="list-style-type: none"> <li>Creating Database</li> <li>Creating table</li> <li>Basic Queries</li> </ul>	Whiteboard, Marker	26/03/2018,27/03/2018	2.2	
21		L 13.1	<b>Test-II</b>		02/04/2018,03/04/2018	2.2	
Remark: Course:		Syllabus Coverage:		Practice Session:		Beyond Syllabus:	
No. of (lectures planned)/(lectures taken):20							

Note:

1. Plan date and completion date should be in compliance.
2. Course is required to be taught with emphasis Text books, digital references etc.

Reference Books:

- 1.1 Basics of Linux Programming, Neil Matthew & Richard Stones.
- 1.2 Let Us C By Yashwant Kanetkar

Digital Reference:

- 2.1 <https://www.w3schools.com>
- 2.2 <http://www.yolinux.com/TUTORIALS/LinuxTutorialMySQL.html>

(sd/-)

Name & Signature of Faculty

Date:

(sd/-)

Signature of HOD

Date:

(sd/-)

Signature of Principal/Dean(Academic)

Date: