GANPAT UNIVERSITY

FACULTY OF ENGINEERING AND TECHNOLOGY (DIPLOMA PROGRAMMES)

Programme	Diploma Engineering		Branch/Spec.	Computer Engineering / Information Technology
Semester	I		Version	1.0.0.0
Effective from Academic Year		2018-19	Effective for the batch Admitted in	June 2018
Subject code	1ES105	Subject Name	Open Source Technology	

Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	0	0	2	0	2	Theory	-	-	-
Hours	0	0	4	0	4	Practical	60	40	100

Pre-requisites:
None

Learning Outcome:
• Students can able to learn basic concept of Linux Operating System.
• Student can do practice on Libre Office.

Practical syllabus

Unit	Content	Hrs
1	**Introduction to Linux** Source Code, Proprietary Software, Open Source, Example of Open Source Software, GPL, GNU, LinuxFlavor, Comparison of Linux Flavors, Use of Linux in real world, Introduction to Ubuntu, Gnome, Understanding Ubuntu Desktop, Workspace, Dash, Browse the File, Searching the file, Customize the desktop, Browsing internet on Ubuntu	10
2	**Basic Linux Command** ls, cd, mkdir, rmdir, mv, man, clear,cat,chmod,cmp,cp,date,df,locate,pwd,	10
3	**Introduction to Libre Office** What is Libre Office?, Advantages of Libre Office, downloading, Installing, Starting LIbre Office, Creating new documents, Save, Open	10
4	**Libre Office Writer** Introduction, Formatting text, Formatting pages, Tables, Working with Graphics, Printing, Mail merge, Linking to another part of a document.	10
5	**Libre Office Calc** Introduction, Spread sheet, Row, Column , Cell , Basic Calculation function: +,-,*,/ , Sub, Round, Percent, SQRT, POW, Trigonometric functions, Conditional Formatting, Filtering, Sorting,	10
6	**LIbre Office Impress** Introduction, Main Impress windows, Creating the new Presentation, Formatting the Presentation, Adding and Formatting the Text, Adding Picture, tables, charts and media, Run the slide show	10

Practical content

1. To study about open source technologies list out open source software available on market and study of them.
2. Introduction to Ubuntu Operating system.
3. Practical to perform various Linux Commands.
4. Introduction to Libre Office. Advantages of LIbre Office.
5. Introduction to Libre office Writer interface.
6. Formatting the text in LIbre Office Writer.
7. Formatting the page in Libre Office Writer.
8. Adding Graphics in Writer.

9. Practical to perform mail merge in Writer.
10. Practical to perform linking of documents.
11. Introduction to Libre Office Calc.
12. Practical to perform different function in Calc.
13. Introduction to Libre Office Impress.
14. Practical to Create Presentation in Impress.
15. Practical to perform formatting the presentation.
16. Practical to insert media in Impress.

Text Books/ e Books	
1	Libre Office – Getting Started Guide by LibreOffice Documentation Team
2	Getting Started with with Ubuntu 14.04 by Ubuntu Manual Team
3	The Linux Command Line: A Complete Introduction by By William E. Shotts, Jr. (No Starch Press)
Web References	
https://www.linode.com/docs/tools-reference/introduction-to-linux-concepts/	