Gujarat University

B. A – III

Course Code: SE – I 205

Course Name: Open Source and Multimedia

Objectives:

Student should be able to
- Develop skill of computer operations using Fedora Linux Operating System and its application packages for Office Automation
- Explore multimedia Software Flash Package and its tool to design Brochure, Animated Document, Movie, Video clips etc.

Contents:

Unit – I   OPEN SOURCE SOFTWARE:

Introduction to Concept Of Open Source, Introducing Linux, Exploring Features Of Linux, Overview of Linux Distributions: Ubuntu, Debian, Gentoo, Knoppix, Suse And Opensuse, Yellow Dog Linux, Slackware, Mandrive, Freespire And Xandros, Fedora, Introducing The Fedora Desktop, K Desktop Environment, Gnome Desktop Environment, Working With Files And Directories: Introduction To Linux File And Directory Structure, Basic Linux Commands, Creating, Copying, Removing Files, Linux File Permission, Creating, Removing Directory, Applying Permission On Directories, Working With Storage Media, Working With Applications: Opening, Creating, Saving, Closing Document, Modifying An Existing Document, Add / Remove Software Application, Opening PDF file using Adobe Acrobat, Working with Music and Video, Creating, Selecting and Modifying Objects using Draw, Changing Outline and Fill properties of an Object, Modifying, Rotating and Aligning an Objects, Working with Slides: Inserting new Slides, Adding Text in a Slide, Changing the Text properties, Switching between Slides, Grouping Objects, Moving a Group, Merging and Combining Objects, Saving the Draw document

Unit –II   OPEN OFFIC SUITE:

Overview of Internet and Linux – based Mozilla Firefox, Features of Mozilla Firefox, Interface of Mozilla Firefox, Browsing the Internet with Mozilla Firefox, Setting Preferences in Mozilla Firefox, Viewing the History of visited Websites, use of Search Engine, Creating Blog, Introducing and working with E-Mail and Chat, Quitting Mozilla Firefox, Introduction to Open Office Suite, Exploring an Interface of OpenOffice.org Writer, Working with Document: Saving, Closing, Editing Documents in Writer: Find and replace feature, Auto Correct, Word Completion features, Spelling and Grammar Checker, Hyperlinks, Merging Documents, Saving Changes to a document, Formatting the Document: Page Margins, Header and Footers, Tables, Formatting Text in the Document, Working with Graphics, Templates, Printing the Document, Exploring an Interface of OpenOffice.org Impress, Inserting New Slides and text in Slide, Saving the presentation, Opening an existing presentation, Formatting Text, Text Effects, Inserting Objects in a Slide, Applying the Slide Animation Effect, Slide Transition Effect, Moving and Deleting Slides, Running a Slide Show, Printing the Presentation

Unit – III   Introduction to FLASH:

Overview of FLASH, FLASH environment, Creating new FLASH document, User interface of FLASH, FLASH workspace, Menu bar, Time line, Property Panel, Motion Editor Panel, Saving files: As uncompressed XML – based format, As Template, Drawing Modes in FLASH, Drawing tools: Stage and Pasteboard, Oval, Rectangle and Polystar, Line tool and it's Properties, Pencil tool and it's Properties, Pen Tool, Brush tool, Lock skill, Align tool, Eraser tool, Adding Color, Stroke, Fill, Bucket tool, Dropper tool, Gap Controls, Transform, Magnifier tool, Hand Tool, Zoom Control, Selection tools: Lasso tool, Magic wand, Arrow tool, Original Fill, Snap, Straighten, Rotate.

Unit – IV   Text, Gradients, Symbols, Animation, Tweening, Buttons :

Text Tools : Expanding Textbox, Font, Font size, Font Color, Effect, Alignment, Paragraph, Text field, Modifying Text, Gradients: Custom, Linear, Radial, Creating a Static Symbol, Tint, Alpha, Brightness, Editing Symbols, Animation Techniques : Basics of Animation, Introduction to key Frames and Tweens, Types of Frames, Motion, Layer, Skinning, Controller, Shadow, Motion Tweening, Tween Scaling, Rotate, Easing, Creating Shape, Multiple Layers, Buttons : Button Timeline, Up State, Over State, Down State, Introduction to Movie Clip, Actions

Main Reference Book(s):

(i)   Linux and OpenOffice Course Kit, Vikas Gupta, Dreamtech Press
(ii) Flash – 3rd Edition, Michael Lennox, Techmedia
(iii) FLASH CS5 in Simple Steps by Kognet, Dreamtech Press
(iv) Computer Application – IV, Vimal Pandya, HK Arts College Publishers, Ahmedabad [Gujarati Book]

SUGGESTED ADDITIONAL READING:

(i)   Flash web design-the art of motion graphics, BPB Publication
(ii) Web Designing, Computer Jagat Publications
(iii) Multimedia, Computer Jagat Publications

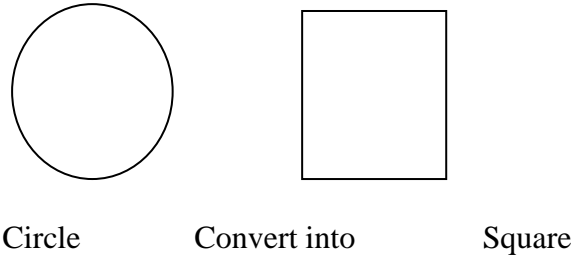**Software / Tool: FEDORA LINUX, FLASH 8**

Accomplishments of the student after completing the Course:

▪   Students would be able to create an advertisement to promote the products online also get aware to create websites with animated graphics. Intensive interfaces.

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FLASH
Practical Exercise

Ex.1   Convert an image object into a symbol and adding basic movement using motion tweening.

Ex.2   Convert one object into another object using create motion tween and then shape.

Circle   Convert into   Square

Ex.3   Convert one text into another text using create motion tween and then shape.
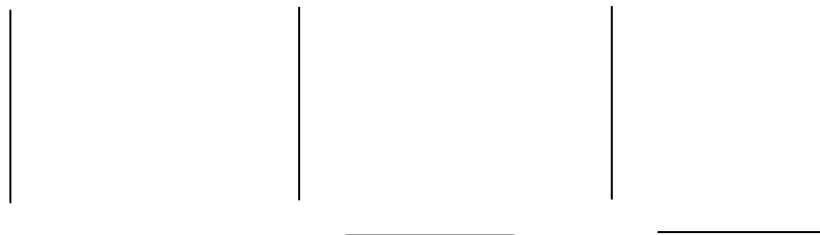
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Ex.4   Create a path for object to move one place to another place with the help of Motion Guide.

Ex.5   Create a text animation with the help of color, shapes.

Ex.6   Create a ripple masking effect of any one object with the help of create motion tween and Mask

Ex.7   Create a line dance effect with the help of line tool, shape and Hint option.

Ex.8   Create a masking effect with the help of one object, create motion tween and Mask.

Ex.9   Create one movie clip with the help of Library, Create Motion Tween and one object.

Ex.10 Create a CW/CCW effect of any object with the help of Gradient, Shape, Create Tween Motion.

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