

LIBREOFFICE TRAINING PROTOCOL

LibreOffice Training Protocol is a reference for professionals offering training services for LibreOffice, targeted at organizations and individuals deploying the free office suite.

LibreOffice

LibreOffice is the leading Free Software personal productivity suite for MS Windows, Mac OS X and GNU/Linux, offering six feature-rich applications for all document production and data processing needs: Writer for text, Calc for spreadsheets, Impress for presentations, Draw for drawings, Base for databases, and Math for mathematical annotations. LibreOffice's source code is dual licensed under LGPLv3/MPL copyleft licenses.

LibreOffice uses the ISO standard Open Document Format (ODF), recognized by many governments and organizations worldwide - including NATO - and based on true open standards, as the default format for all office documents. ODF files can easily be recognized by their filename extensions: .odt for texts, .ods for spreadsheets, .odp for presentations, .odg for drawings, .odb for databases and .odf for mathematical formulas.

LibreOffice reads and writes several Microsoft proprietary file formats, from the legacy DOC, XLS and PPT to the latest OOXML (Office Open XML) ISO Standard. Since its inception, OOXML has been released in several flavors - 2007 Transitional (Office 2007), 2010 Transitional (Office 2010), 2013 Transitional and 2013 Strict (Office 2013) - with significantly different behaviors.

In addition, LibreOffice allows saving documents in Hybrid PDF format, a standard PDF file which embeds a fully editable ODF document. These documents can be opened by LibreOffice with File > Open like any other ODF document, and by all other applications as plain PDF files with a double-click on the icon.

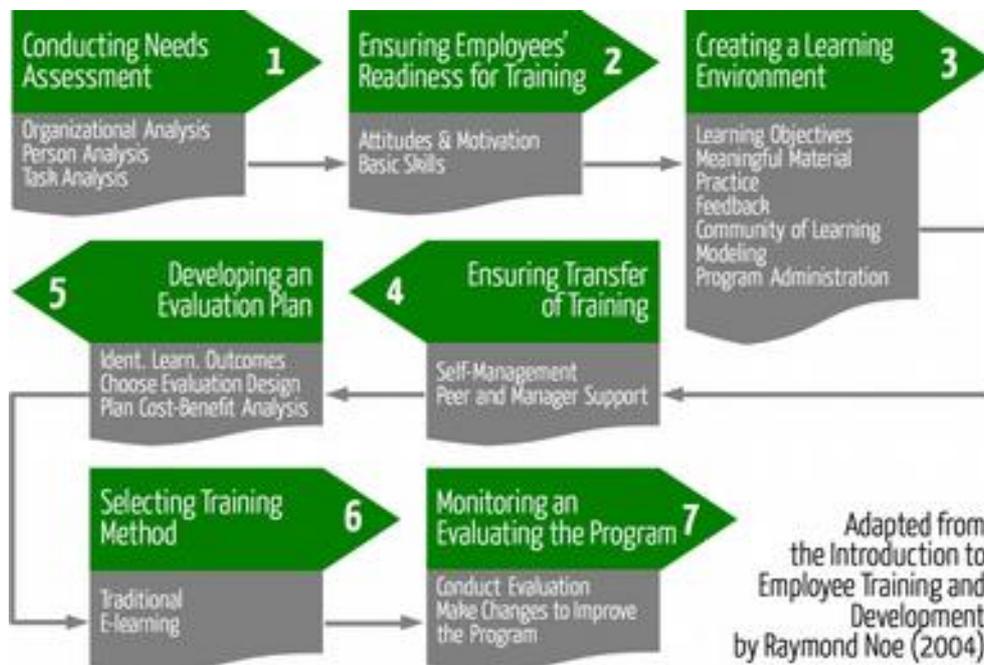
LibreOffice also provides shortcuts to send documents as e-mail attachments in all available formats: ODF, PDF (including Hybrid) and MS Office formats, including legacy formats.

Finally, LibreOffice installs only free fonts, which are designed to be compatible with every operating system and therefore able to further increase interoperability by helping to maintain the same layout even if the document is accessed on a different OS from the one used to create the original document.

Designing training programs

Training refers to the planned effort to facilitate the learning of job-related competencies, and is a key component of every LibreOffice enterprise deployment. The goal of training is for users to master the knowledge, skills and behaviour emphasized in training programs and to apply them to their day-to-day activities.

Every training starts with a design process. As there is not one universally accepted training development model, we will be using as a reference the seven step Instructional System Design (ISD), which is also referred as the ADDIE training model because it includes analysis, design, development, implementation, and evaluation.



1. Conduct a needs assessment, which is necessary to identify whether training is needed.
2. Ensure that employees have the motivation and skills necessary to master the training content.
3. Create a learning environment that has the features necessary for learning to occur.
4. Ensure that trainees apply the training content to their jobs, and understand how to manage skill improvement as well as getting peer and manager support.
5. Develop an evaluation plan, by identifying what types of outcomes training is expected to influence (for example: learning, behaviour, skills), and choosing an evaluation design that allows you to determine the influence of training on these outcomes.
6. Choose the training method, based on the learning objectives and the environment. This step may include a traditional training method of face-to-face interaction with a trainer or e-learning using CD-ROM or Web-based training.
7. Evaluate the program, make the necessary changes, and revisit any of the earlier steps in the process to improve the program so that learning, behaviour, change, and the other learning objectives are obtained.

A good instructional design requires an iterative process of design, execution, evaluation and reconsideration of the needs that the program was designed to meet, as well as the learning environment, the transfer of training, and all the other activities in the process. Because of this, any instructional model should be considered as a set of general guidelines that trainers need to follow to ensure effective training.

A taxonomy of user skills related to LibreOffice

Basic User

All software functions are pre-determined or commonly used, and techniques for input, manipulation and output are straightforward or routine.

Intermediate User

Functions are at times non-routine or unfamiliar, the choice of techniques needs to take into account a number of factors, and the user has some responsibility in the input, manipulation and output of the information.

Advanced User

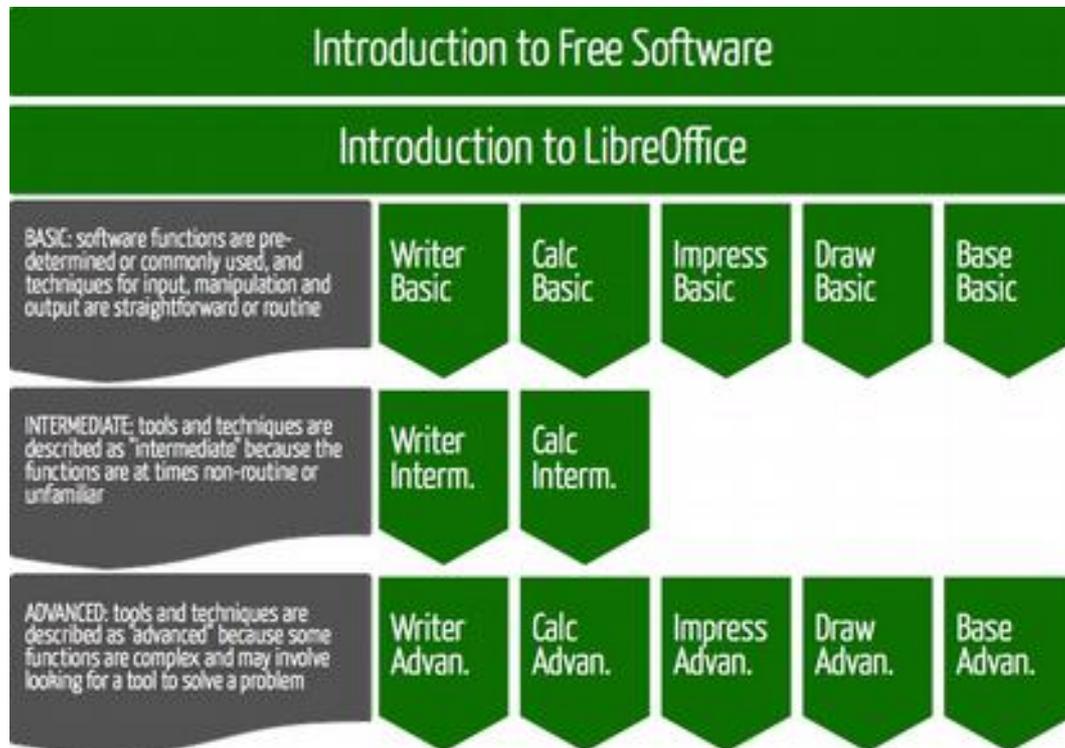
Functions are complex and may involve looking for a tool to solve a problem, exploring technical support, self-teaching and applying what you have learned. Techniques are multi-step, and the process of selecting them may involve research, identification and application. The user has full responsibility for the input, manipulation and output of the information.

Guidelines for LibreOffice training courses

LibreOffice training courses are usually targeted to three different user groups:

1. Individual users willing to improve their skills, either at basic, intermediate or advanced level. In general, these users follow a training course organized by a professional school, and do not have specific needs which impact on the training program.
2. Corporate users of LibreOffice, where the organization wants to improve the skills related to office productivity. In general, these users have specific needs related to the application scenario, and therefore the training should be personalized according to their needs. In order to design an appropriate training program, it is important to work extensively with the human resource department, to assess needs and evaluate results.
3. Corporate users of Microsoft Office migrating to LibreOffice. In general, these users have some understanding of office suites - often self-taught - as they have been using a similar product for years, but are facing a change in their workflow which might create severe acceptance problems. In order to design an appropriate training program, it is important to work with the project manager and the human resource department, to assess needs and evaluate results.

APPENDIX A
SKILL BASED TRAINING PROGRAM



The following is a list of skill-related topics which might or might not be included in LibreOffice trainings, according to the learning objectives. They can be used as a basic reference to build the syllabus, according to the level of the users identified during the design stage and the levels accessible during the training program.

INTRODUCTION TO FREE SOFTWARE AND OPEN STANDARDS

The Introduction to Free Software and Open Standards is a general training module, targeted to users independently from their skills. Since it contains key information, it should be included in every training, according to the objectives of the program.

1.	What is LibreOffice
1.1.	A short story of the LibreOffice project
1.2.	The characteristics of LibreOffice copyleft licenses
1.3.	Background on Free, Libre and Open Source Software
1.4.	Differences between Open Source and Proprietary
2.	Open Document Format
2.1.	Characteristics of open document standards
2.2.	Open fonts as a key element of interoperability
2.3.	Learning to create interoperable documents
3.	LibreOffice community
3.1.	Free support options: AskLibreOffice, mailing lists
3.2.	Commercial and certified support options

INTRODUCTION TO LIBREOFFICE

The Introduction to LibreOffice is a general training module, targeted at users independently from their skills. Since it contains key information, it should be included in every training, according to the objectives of the program.

1.	Getting LibreOffice
1.1.	Download a copy from http://www.libreoffice.org
1.2.	Purchase a subscription to incremental updates
2.	Advantages of LibreOffice
2.1.	Cross-platform compatibility
2.2.	Extensive language support
2.3.	Consistent user interface
2.4.	Integration
3.	LibreOffice options
3.1.	Different configuration options
3.2.	Language and spellchecking options
3.3.	Loading and saving document options
3.4.	Controlling the AutoCorrect functions
4.	LibreOffice Main Elements
4.1.	StartCenter, Sidebar and Toolbars
4.2.	Menus, Status Bar and GUI elements
4.3.	Navigator, Styles and Templates
5.	Printing
5.1.	Quick printing to the default printer
5.2.	Selecting print options for a document
6.	Extensions
6.1.	Advantages of Extensions
6.2.	Installing and Managing Extensions

Reference Document



WRITER BASIC USER

Can use Writer to produce appropriate straightforward or routine documents.

A.1.	Enter and combine text and other information
A.1.1.	Identify what types of information are needed in documents
A.1.2.	Identify what templates are available and when to use them
A.1.3.	Use keyboard or other input method to enter or insert text and other information
A.1.4.	Use editing tools to amend document content
A.1.5.	Store and retrieve document files effectively, in line with local guidelines and conventions where available
A.2.	Structure information within word processing documents
A.2.1.	Select and use appropriate page layouts to present and print documents
A.2.2.	Select and apply heading styles to text
A.3.	Use Writer tools to format and present documents
A.3.1.	Identify what formatting to use to enhance presentation of the document
A.3.2.	Select and use appropriate techniques to format characters and paragraphs
A.4	Export, save and print documents
A.4.1	Export the document to PDF
A.4.2	Save the document using a different file format
A.4.3	Understand the basics of document interoperability

WRITER INTERMEDIATE USER

Can use Writer to produce multi-step documents that are at times non-routine or unfamiliar.

B.1.	Enter and combine text and other information within Writer documents
B.1.1.	Select and use appropriate templates for different purposes
B.1.2.	Identify when and how to combine and merge information from other software or other documents
B.1.3.	Select and use a range of editing tools to amend document content
B.1.4.	Enter information into existing tables, forms and templates
B.1.5.	Store and retrieve template files effectively, in line with local guidelines and conventions where available
B.2.	Use structures and styles for Writer documents
B.2.1.	Identify the document requirements for structure and style
B.2.2.	Identify what templates and styles are available and when to use them
B.2.3.	Create and modify columns and tables to organise tabular or numeric information

Reference Document



B.2.4.	Select and use appropriate section layouts to present and print documents
B.3.	Use Writer tools to format and present documents effectively to meet requirements
B.3.1.	Identify how the document should be formatted to aid meaning
B.3.2.	Select and use appropriate techniques to format characters and paragraphs
B.3.3.	Describe any quality problems with documents
B.3.4.	Respond appropriately to quality problems with Writer documents so that outcomes meet needs
B.4	Export, save and print documents
B.4.1	Export the document to Hybrid PDF
B.4.2	Send the document as email attachment
B.4.3	Configure printer options for documents
B.5	Configure LibreOffice
B.5.1	Use LibreOffice Options/Preferences to suit your needs
A.5.1	Configure LibreOffice Autocorrect options

WRITER ADVANCED USER

Can use Writer to produce complex and non-routine documents.

C.1.	Enter and combine text and other information accurately within Writer documents
C.1.1.	Summarise what types of information are needed for the document and how they should be linked or integrated
C.1.2.	Create, use and modify appropriate templates for different types of documents
C.1.3.	Explain how to combine and merge information from other software or multiple documents
C.1.4.	Select and use appropriate tools and techniques to work with multiple documents or users
C.2.	Create and modify appropriate layouts, structures and styles for Writer documents
C.2.1.	Analyse and explain the requirements for structure and style
C.2.2.	Create, use and modify columns, tables and forms to organise information
C.2.3.	Define and modify styles for document elements
C.2.4.	Select and use tools and techniques to organise and structure long documents
C.3.	Use Writer tools and techniques to format and present documents effectively to meet requirements
C.3.1.	Explain how the information should be formatted to aid meaning

Reference Document



C.3.2.	Select and use appropriate page and section layouts to present and print multi-page and multi-section documents
C.3.3.	Evaluate the quality of the documents produced to ensure that they are fit for purpose
C.3.4.	Respond appropriately to any quality problems with Writer documents to ensure that outcomes meet needs
C.4	Configure LibreOffice
C.4.1.	Customise LibreOffice interface to meet specific editing needs

Reference Document



CALC BASIC USER

Can use a range of basic Calc tools and techniques to create, present and check spreadsheets that are straightforward or routine.

A.1.	Use Calc to enter, edit and organise numerical and other data
A.1.1.	Identify what numerical and other data is needed in the spreadsheet and how it should be structured
A.1.2.	Enter and edit numerical and other data accurately
A.1.3.	Store and retrieve spreadsheet files effectively, in line with local guidelines and conventions where available
A.2.	Use appropriate formulas and tools to summarise and display spreadsheet information
A.2.1.	Identify how to summarise and display the required information
A.2.2.	Use functions and formulas to meet calculation requirements
A.2.3.	Use spreadsheet tools and techniques to summarise and display information
A.3.	Select and use appropriate tools and techniques to present spreadsheet information effectively
A.3.1.	Select and use appropriate tools and techniques to format spreadsheet cells, rows and columns
A.3.2.	Identify which chart or graph type to use to display information
A.3.3.	Select and use appropriate page layout to present and print spreadsheet information

CALC INTERMEDIATE USER

Can select and use a wide range of Calc tools and techniques to create, present and check spreadsheets that are at times non-routine or unfamiliar.

B.1.	Use Calc to enter, edit and organise numerical and other data
B.1.1.	Combine and link data across worksheets
B.2.	Select and use appropriate formulas and data analysis tools to meet requirements
B.2.1.	Identify which tools and techniques to use to analyse and manipulate data to meet requirements
B.2.2.	Select and use a range of appropriate functions and formulas to meet calculation requirements
B.2.3.	Use a range of tools and techniques to analyse and manipulate data to meet requirements
B.3.	Select and use tools and techniques to present and format spreadsheet information

Reference Document



B.3.1.	Plan how to present and format Calc spreadsheet information effectively to meet needs
B.3.2.	Select and use appropriate Calc tools and techniques to format cells, rows and columns of information
B.3.3.	Select and format Calc charts and graphs as appropriate to display selected information
B.4	Configure LibreOffice
B.4.1	Getting to know and using LibreOffice Options/Preferences
B.4.2	Configure LibreOffice Autocorrect options

CALC ADVANCED USER

Can select and use the complete range of advanced Calc tools and techniques to create, present and check spreadsheets that are complex and non-routine.

C.1.	Select and use appropriate formulas and data analysis tools and techniques to meet requirements
C.1.1.	Explain what methods can be used to summarise, analyse and interpret spreadsheet data and when to use them
C.1.2.	Select and use forecasting tools and techniques
C.2.	Use tools and techniques to present, format and publish spreadsheet information
C.2.1.	Select and use appropriate tools and techniques to generate, develop and format charts and graphs effectively
C.2.2.	Explain how to find and sort out any errors in spreadsheet formulas
C.2.3.	Check spreadsheet information meets needs, using IT tools and making corrections as appropriate
C.2.4.	Use auditing tools to identify and respond appropriately to any problems with spreadsheets

Reference Document



IMPRESS BASIC USER

Can use a range of Impress tools and techniques to produce straightforward or routine presentations.

A.1.	Input and combine text and other information within presentation slides
A.1.1.	Identify what types of information are required for the presentation
A.1.2.	Select and use different slide layouts as appropriate for different types of information
A.1.3.	Enter information into presentation slides so that it is ready for editing and formatting
A.1.4.	Insert charts and tables into presentation slides
A.1.5.	Store and retrieve presentation files effectively, in line with local guidelines and conventions where available
A.2.	Use presentation software tools to structure, edit and format slides
A.2.1.	Identify what slide template to use
A.2.2.	Select and use an appropriate template to structure slides
A.2.3.	Select and use appropriate tools and techniques to edit slides
A.2.4.	Select and use appropriate tools and techniques to format slides
A.2.5.	Identify what presentation effects to use to enhance the presentation
A.3.	Prepare slides for presentation
A.3.1.	Identify how to present slides to meet needs and communicate effectively
B.3.2.	Prepare a slide show for presentation
B.4	Configure LibreOffice
B.4.1	Getting to know and using LibreOffice Options/Preferences
B.4.2	Configure LibreOffice Autocorrect options

IMPRESS ADVANCED USER

Can select and use the full range of advanced Impress tools and techniques to produce presentations that are at times non-routine or unfamiliar.

C.1.	Input and combine text and other information within presentation slides
C.1.1.	Insert images, video or sound to enhance the presentation
C.1.2.	Combine information of different forms or from different sources for presentations
C.1.3.	Identify any copyright or other constraints which may affect the presentation
C.2.	Use presentation software tools to structure, edit and format presentations
C.2.1.	Explain when and how to use and change slide structure and themes to enhance presentations

Reference Document



C.2.2.	Create, amend and use appropriate templates and themes for slides
C.2.3.	Explain how interactive and presentation effects can be used to aid meaning or impact
C.2.4.	Select and use appropriate techniques to edit and format presentations to meet needs
C.2.5.	Create and use interactive elements to enhance presentations
C.2.6.	Select and use animation and transition techniques appropriately to enhance presentations
C.3.	Prepare slides for presentation
C.3.1.	Respond appropriately to quality problems to ensure that presentations meet needs and are fit for purpose
C.3.2.	Evaluate presentations, identify any quality problems and discuss how to respond to them

Reference Document



DRAW BASIC USER

Can select and use Draw basic tools and techniques to produce straightforward or routine drawings and plans.

A.1.	Input, organise and combine information for drawings or plans
A.1.1.	Identify what types of elements will be needed for the drawing
A.1.2.	Select, adapt, define and create appropriate templates and styles to meet needs
A.1.3.	Select the appropriate groups of shapes, from those available, to meet needs, including importing shapes from other sources
A.1.4.	Input the shapes and other elements into existing templates or blank documents so that they are ready for editing and formatting
A.1.5.	Combine information of different types or from different sources for drawings and plans
A.1.6.	Store and retrieve drawing files effectively, in-line with local guidelines and conventions where available
A.2.	Use tools and techniques to edit, manipulate, format and present drawings or plans
A.2.1.	Identify what drafting guides to use so that the shapes and other elements are appropriately positioned
A.2.2.	Use appropriate software tools to manipulate and edit shapes and other elements
A.2.3.	Select and use appropriate software tools to format shapes and other elements
A.3	Configure LibreOffice
A.3.1	Getting to know and using LibreOffice Options/Preferences
A.3.2	Configure LibreOffice Autocorrect options

DRAW ADVANCED USER

Can select and use advanced tools and techniques to produce multi-step, complex and non-routine drawings and plans.

C.1.	Input, organise and combine information for drawings or plans
C.1.3.	Identify what copyright constraints apply to the use of shapes or other elements
C.1.4.	Combine information for drawings or plans including importing information produced using other software
C.2.	Input, organise and combine information for drawings and plans
C.2.1.	Evaluate templates and explain why and how they need to be changed to meet needs
C.2.2.	Create and use the appropriate shapes to meet needs, including shapes imported from other sources
C.2.3.	Provide guidance on what copyright constraints apply to the use of own and

Reference Document



	others' shapes or other elements
C.2.4.	Combine information for drawings or plans including exporting outcomes to other software
C.3.	Use tools and techniques to edit, manipulate, format and present drawings or plans
C.3.1.	Select and use appropriate presentation methods and accepted page layouts
C.3.2.	Explain what context the drawings and plans will be used in and how this will effect how they are presented
C.3.3.	Identify and respond to any quality problems with drawings or plans to make sure they meet needs

BASE BASIC USER

Can use basic database tools and techniques to enter information into Base, set up a single table in a flat file database, retrieve the information by running queries using multiple criteria, and produce reports using predefined menus or shortcuts.

A.1.	Enter, edit and organise structured information in a database
A.1.1.	Identify the main components of a database
B.1.1.	Describe the properties for the necessary data fields
A.1.2.	Create and modify database tables using a range of field types
A.1.3.	Enter structured data into records to meet requirements
A.1.4.	Locate and amend data records
A.1.5.	Use database tools and techniques to ensure data integrity is maintained
A.2.	Use database software tools to extract information and produce reports
A.2.1.	Identify queries which meet information requirements
A.2.2.	Create and run database queries using multiple criteria to display or amend selected data
A.2.3.	Identify reports which meet information requirements
B.2.4.	Plan and produce database reports from a single table non-relational database
B.2.5.	Select and use appropriate tools and techniques to format database reports
A.2.6.	Generate and print pre-defined database reports

BASE ADVANCED USER

Can select and use advanced software tools and techniques efficiently to enter complex information into databases, retrieve information by creating queries using multiple selection criteria, and produce reports by setting up menus or short cuts. Is also able to design, create and query multiple-table relational databases.

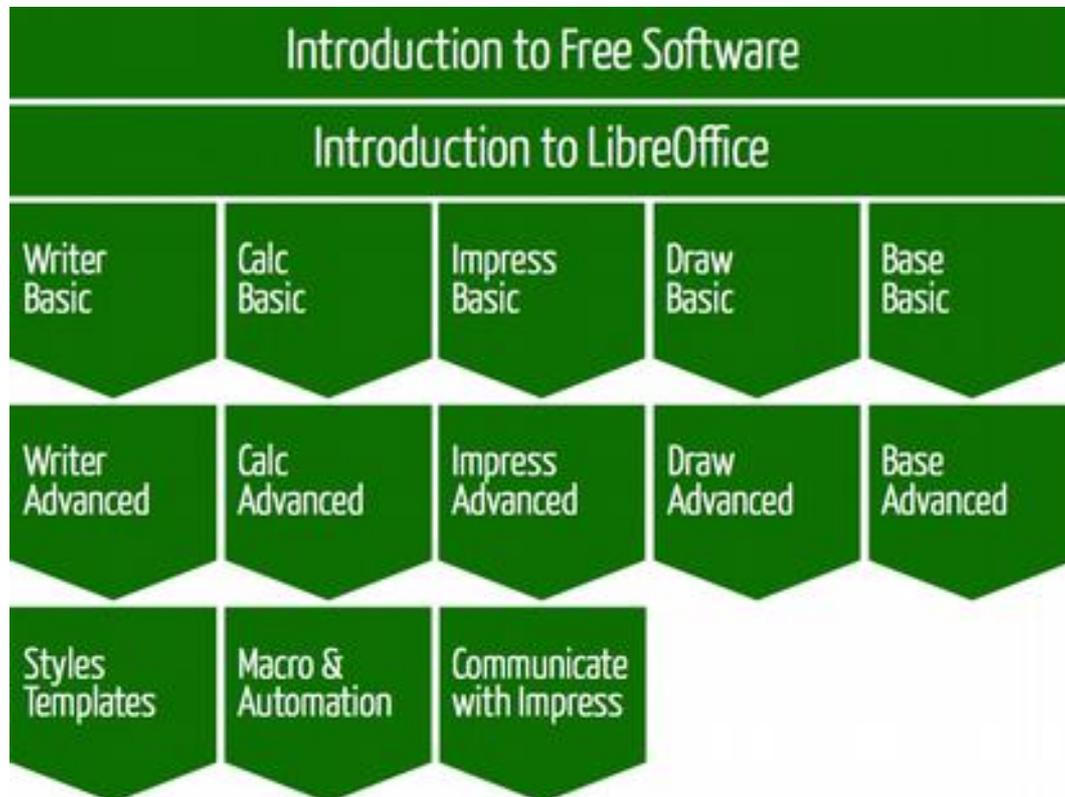
C.1.	Plan, create and modify relational database tables to meet requirements
C.1.1.	Explain how a relational database design enables data to be organised and queried
C.1.2.	Plan and create multiple tables for data entry with appropriate fields and properties
C.1.3.	Set up and modify relationships between database tables
C.1.4.	Explain why and how to maintain data integrity
C.1.5.	Respond appropriately to problems with database tables
C.1.6.	Use database tools and techniques to ensure data integrity is maintained
C.2.	Enter, edit and organise structured information in a database
C.2.1.	Design and create forms to access, enter, edit and organise data in a database

Reference Document



C.2.2.	Select and use appropriate tools and techniques to format data entry forms
C.2.3.	Check data entry meets needs, using IT tools and making corrections as appropriate
C.2.4.	Respond appropriately to data entry errors
C.3.	Use database software tools to create, edit and run data queries and produce reports
C.3.1.	Explain how to select and generate information from queries according to requirements
C.3.2.	Create and run database queries to display, amend or calculate selected data
C.3.3.	Plan and produce database reports from a multiple-table relational database
C.3.4.	Select and use appropriate tools and techniques to format database reports
C.3.5.	Check reports meet needs, using IT tools and making corrections as appropriate

APPENDIX B
TASK BASED TRAINING PROGRAM



The following is a list of task related topics which might or might not be included in LibreOffice trainings, according to the learning objectives. They can be used as a basic reference to build the syllabus, according to the level of the users identified during the design stage and the levels accessible during the training program.

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2.3.	Consistent user interface
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3.4.	Controlling the AutoCorrect functions
4.	LibreOffice Main Elements
4.1.	StartCenter, Sidebar and Toolbars
4.2.	Menus, Status Bar and GUI elements
4.3.	Navigator, Styles and Templates
5.	Printing
5.1.	Quick printing to the default printer
5.2.	Selecting print options for a document
6.	Extensions
6.1.	Advantages of Extensions
6.2.	Installing and Managing Extensions

Reference Document



Basic Tasks

Writer Basic	
1.	LibreOffice Writer User Interface
2.	Creating and managing a document
3.	Opening, saving and renaming documents
4.	Creating a document from an existing template
5.	Understanding and managing document formats
6.	Text manipulation
7.	Formatting documents and formatting styles
8.	Tables: create, format, modify, split, merge, delete
9.	Managing images and other media formats
10.	Form Fields: understanding the basic commands
11.	Headers, footers and page numbers
12.	Print the document using the available options
Calc Basic	
1.	LibreOffice Calc User Interface
2.	Worksheets: create, modify, manage, delete
3.	Cells: available formats and attributes
4.	Entering text and numbers
5.	Format the worksheet and choose a layout
6.	Copy, cut, duplicate and drag cell contents
7.	Managing references in worksheets
8.	Size of cells
9.	Inserting and deleting rows and columns
10.	Inserting notes
11.	Mathematic, arithmetic and logic operators
12.	Managing the most frequently used formulas
13.	Find and Replace cell contents
14.	Sort and Filter rows and columns
15.	Print area, print preview and print settings
16.	Introduction to the use of charts
Impress Basic	
1.	LibreOffice Impress User Interface
2.	Open and manage an existing presentation

3.	Create a new presentation
4.	Create and format different types of slide
5.	Working with media
6.	Create and manage a new presentation
7.	Rename, reorder and delete slides
9.	Types of presentations: speaker controlled or timed
10.	Exporting to PDF and to graphic formats
11.	Printing the presentation
Draw Basic	
1.	LibreOffice Draw User Interface
2.	Drawing and working with basic shapes
3.	Creating and modifying drawing objects
4.	Positioning objects on the canvas
5.	Use of colour
7.	Overview of drawing features
8.	Understanding and using image formats
9.	Using objects from the gallery
Base Basic	
1.	Registering a data base in LibreOffice
2.	Types of data sources and examples
3.	Operations on tables and rows
4.	Append records and tables
5.	Inserting data into a document
6.	Sorting and filtering data
7.	Reporting
8.	Managing data using masks

Advanced Tasks

Writer Advanced	
1.	Models of documents
2.	Advanced handling of headers and footers
3.	Footnotes and endnotes
4.	Advanced management of forms
5.	Stylist and the management of styles
6.	Indexes and chapters
7.	Managing revisions
8.	Formulas in tables
9.	Advanced formatting of the document
Calc Advanced	
1.	Advanced formula management
2.	Advanced sorting and filtering
3.	Pivot Tables
4.	Totals
5.	Working with external documents
6.	Conditional formatting
7.	Custom formats of numbers
8.	Working with diagrams
9.	Password protection of worksheets
Impress Advanced	
1.	Managing the structure of the presentation
2.	Managing backgrounds and slides
3.	Animations and transitions between slides
4.	Gallery of objects
5.	Handling drawings and diagrams in slides
6.	Inserting shapes, arrows and fills
7.	Transformations, groups, unions and rotations
8.	Exporting the presentation to other formats
9.	Recommendations on the right use of formats
Draw Advanced	
1.	Different drawing toolbars
2.	Drawing and working with complex shapes

Reference Document



3.	Advanced drawing features
4.	Grouping and combining objects
5.	Placing text on curves
6.	Managing objects from other programs
7.	Drawing and managing 3D objects
Base Advanced	
1.	Advanced management of data sources
2.	Parametric Search
3.	Creating a database with table relationships
4.	Creating an application using masks
5.	Creating reports using the “Report Builder”

Special Tasks

Styles, Templates and Complex Documents	
1.	Importance of styles in LibreOffice
2.	Different kind of styles, and their use
3.	Creating, editing and assigning a style
4.	Import styles from other documents
5.	Importance of templates in LibreOffice
6.	Creation and use of document templates
7.	Managing forms in LibreOffice
8.	Using styles and forms to create templates
9.	Managing indexes in LibreOffice
10.	Creating, modifying and updating the index
11.	The navigator tool
Macro Programming	
1.	Scripting languages for macros
2.	Programming a LibreOffice Macro
3.	Assign a macro to an event or a button
4.	Examples of useful macros
5.	Macro Library and online documentation
6.	Macros in text documents and spreadsheets
7.	Reference documents for developers
Presenting with Impress	
1.	Basics of effective communications
2.	Presentations as a form of communication
3.	Effectiveness of messages and communications
4.	Styles of communications
5.	Creating effective presentations using LibreOffice
6.	Adding colours, images and visual effects