

# MASTER OF BUSINESS ADMINISTRATION

#### **COMPUTING SKILLS NOTES** PSSED

THE

MEANNSIIU



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

# SOFT SKILLS – IV

Subject	Subject NameLTP	S	C			
Code						
PSSED	COMPUTING SKILLS - 2	1	2			
Course Objectives						
C1	To educate the students in using Microsoft Office which has different components like					
	MS Word, MS Excel, MS Access, Power Point etc., at two levels based on their					
	knowledge and exposure.					
C2	To familiarize the students to how to work in Spreadsheets. Excel, Google Drive, Pivot					
	tables, comparative analysis, and link to database, sensitivity tables, and ve					
	lookups.					
C3	To help the students in preparing PowerPoint presentation, slideshow, animation,					
	inserting shapes etc.					
C4	To educate the students in preparing reports.					
C5	To teach students in sending formal individual and group mails.					
SYLLABUS						
Unit.	Details					
No.						
	Word Processing – Formatting – paragraph and character styles,					
Unit-I	templates and wizards, table and content and indexes, cross referencing;	6				
	Tables and columns – creating manipulating and formatting; Mail Merge,					
	Labels and Envelops.					
Unit-II	Spreadsheets – Workbook – Building –modifying-navigating; Worksheet	6				
	- Auto fill copying and moving cells, inserting and deleting rows,					
	printing; Formulas and functions-Troubleshooting formulas, Functions					
	and its forms like database, financial logical, reference, mathematical and					
	PREPARED BY M.S.SIRANJEEVI, ASSISTANT PROFESSOR					



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

C404.1	Be aware of using of MS word, MS excel and it's various PO4, F			PO4, PO	6, PO7	
CO. No.	On completion of this course successfully the students will;			Program Outcomes (PO)		
On completion of this course successfully, the students will;						
Course Outcomes						
2.	PowerPoint presentation	4.	Creating a workbook in excel		n excel	
1.	Preparation of Resume	3.	Preparation of business report			
Assessment Tools Used						
3.	https://www.slideshare.net/THickox/basic-computer-skills-26313903					
2.	https://www.careertoolbelt.com/computer-skills-that-will-help-you-get-hired/			<u>d/</u>		
1.	https://study.com/academy/course/computing-skills-development-training.html			<u>tml</u>		
E-Sources						
2.	Microsoft Excel 2007; Guy Hart Davis, Tata McGraw Hill					
1.	Working in Microsoft office; Ron Mansfield, Tata McGraw Hill					
Reference Books						
	TOTAL HOURS				30	
	updating; scheduling – calender.					
Unit-V	signature, junk mail, tasks – screen, sorting, creating, deleting, assigning				6	
	file management; email – reading, composing, responding, attachments,					
	Information management- Outlook – starting, closing contact tool bard					
	Queries – types, creating, wizards – Reports – creating and layout.				0	
Unit-IV	Databases – Access – Components, creating a database and project, import and exporting, customizing; Tables – creating and setting fields;			6		
	animation, handouts, slideshow.					
Unit-III	drawing shapes, inserting multimedia content – Presentations – Planning,					
	inserting tables and charts – Special	-	6			
	Presentations – Power Point – exploring, creating and editing slides,					
	statistical – Databases – creating, sorting filtering and linking.					



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

	components.		
C404.2	Be aware how to work in spreadsheets, pivot table.	PO4, PO6, PO7	
C404.4	Possess knowledge on writing their resume and high lighting the main points.	PO4, PO6, PO7	
C404.4	Get knowledge on preparation of business report independently and with confidence.	PO4, PO6, PO7	
C404.5	Know how to send mail with attachments, signature.	PO4, PO6, PO7	
	AINSTITUTE		



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

### PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

**PEO 1; Placement:** To equip the students with requisite knowledge skills and right attitude necessary to get placed as efficient managers in corporate companies.

**PEO 2; Entrepreneur:** To create effective entrepreneurs by enhancing their critical thinking, problem solving and decision-making skill.

**PEO 3; Research and Development:** To make sustained efforts for holistic development of the students by encouraging them towards research and development.

**PEO4: Contribution to Society:** To produce proficient professionals with strong integrity to contribute to society.

# PO5: Individual and Leadership Skill

Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.

# PO6: Employability Skill

Foster and enhance employability skills through subject knowledge.

# **PO7: Entrepreneurial Skill**

Equipped with skills and competencies to become an entrepreneur.

# **PO8:** Contribution to Community

Succeed in career endeavours and contribute significantly to the community.





Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

# UNIT -1

Word Processing – Formatting – paragraph and character styles, templates and wizards, table and content and indexes, cross referencing; Tables and columns – creating manipulating and formatting; Mail Merge, Labels and Envelops.

Word processing describes the process of creating or editing a document using a word processor such as Microsoft word, google docs, or open office writer. For instance, a student could create a book report in a word processor application. Then the student could print it, save it to a disk, display it on the screen, or send it over e-mail. Also a person looking for a job could create a resume using a word processor , then email or print and mail it to job recruiters.

# FORMATTING – PARAGRAPH AND CHARACTER STYLES

Implementing good typography can be a chore and a bore. Paragraph and character styles eliminate most of the drudgery.

A full tutorial on implementing styles, either in your word processor or in CSS, is beyond the scope of this book, because so many details are software-specific.

Styles are the DNA of document layout. Styles make it easy to control typography across a document or website. They can also be reused across multiple documents or websites. The result is better, more consistent typography with less work each time.

Thus, it's always curious to me that so many writers don't know how to use styles. They format their documents the old-fashioned way: word by word and paragraph by paragraph.

Do you verify your spelling by having a human being read your draft? No, you use an automated spell-checker. Do you copy a document by putting each page on the photocopier glass? No, you put the whole thing in the sheet feeder. **PREPARED BY M.S.SIRANJEEVI, ASSISTANT PROFESSOR** 



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Lawyers who believe typography doesn't matter often never bother to learn to use paragraph and character styles. But this means, ironically, that they end up spending more time fussing with the layout of every document than their typographically enlightened colleagues.

If you plan to have a long-term relationship with good typography, I recommend you learn how to use styles too. why you should care about styles let you define sets of formatting attributes that get applied together. So instead of selecting a heading, changing it to 13 point, bold, and all caps, you can define a style that includes these three attributes, and apply the style to the heading.

What's the benefit? When you come across the next heading, you don't need to individually apply those three attributes. You apply the style you defined before. The headings will then match.

Styles let you change formatting across a class of related elements. Suppose you want to change your headings from 13 point to 13.5 point. Instead of selecting each heading separately and changing the point size—a tedious project—you can change the point size in the heading style definition from 13 point to 13.5 point. Headings using that style will be automatically updated.

What's the benefit? Updating the formatting is centralized and automatic. You can experiment with formatting and layout ideas with little manual effort.

Styles can inherit formatting from other styles. A change to the parent style will propagate to all the substyles. But a change to the substyle will only affect that one style.

What's the benefit? Inheritance adds another layer of centralized automation—it's like having styles of styles. You can define a set of foundation styles and use them as the basis for more elaborate styles.





Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

how to use styles effectively?

In word processors, character styles can incorporate attributes of words and sentences, like font, point size, letter spacing, bold or italic, all caps, and small caps.

Paragraph styles can incorporate those attributes and also layout attributes like line spacing, first-line indents, and rules and borders.

#### **Templates and wizards:**

Word provides a range of templates and wizards that can be quite helpful when creating standard types of documents. There may be circumstances, however, when you want to completely (or even selectively) remove the wizards and templates provided with Word.

In all versions of Word, templates and wizards are installed in special folders on your hard drive. The exact location where they are installed varies from version to version, but you can easily find the location by looking at the File Locations tab of the Options dialog box (and seeing where Word looks for templates), or by doing a file search in Windows for files ending in .DOT or .WIZ.

If you are using Word 97, you can simply delete .DOT or .WIZ files that you no longer want or need. If you don't want to delete the files, but simply want to make them "unavailable," you could rename them or move them to a different folder.

You can't do this in Word 2000 or later versions, however. Beginning with Word 2000, the program is "self healing," to a degree. This means that if Word discovers something is missing, it assumes you want it to fix itself. Thus, simply deleting .DOT and .WIZ files (or renaming them) results—more often than not—in Word simply creating the missing or renamed file again.

The way to get rid of them, then, is to tell Word that you don't want them installed on your system. This means that you must run the Word or Office Setup program and **PREPARED BY M.S.SIRANJEEVI, ASSISTANT PROFESSOR** 



#### CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

specifically set the unwanted templates and wizards to "Not Available." When you complete the installation, Word dutifully removes the templates and wizards you no longer want. As a final step, you should delete the folders that Word created for the templates in the first place. (If you are using other Office applications, their wizards and templates can be stored in the same folder, so make sure it is empty before deleting it.)

Indexes are encouraged for non-fiction, but not necessary for fiction. Indexing is easier than you might think. The hardest part is coming up with the list of words and phrases you want to appear in the index.

1. Copy and paste the words and/or the terms you want to appear in your index into a text or other document.

2. Remove them from the index page in your book, but keep your cursor on your index page.

2. Click Edit > Find

Type or paste the first item you want to appear in your index

into the Find box. Click the enter key.

When the system finds the first instance of that phrase or word, and while the word is still highlighted:

3. Click Insert > Index and Tables

Choose the Index tab

Click Mark Entry



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Click Mark All

Then click close.

4. To make the items pop up in the Index:

Make sure your cursor is on the Index page.

Click Insert > Index and Tables

Make sure the index tab is the one you're on.

Click okay.

You can change the style (appearance) of your Index while doing that, too.

5. To update these page numbers later, simply right click on the Index page. If all the page numbers come up wrong, right click again. Sometimes the page numbers bounce back and forth but show the same two sets of page numbers over and over again. I have no idea why this happens but simply right clicking on them again will fix it. One of the sets will be the correct one.

#### **Cross referencing**

Create a cross-reference

Word for Microsoft 365 Word 2019 Word 2016 Word 2013 Word 2010 Word 2007

A cross-reference allows you to link to other parts of the same document. For example, you might use a cross-reference to link to a chart or graphic that appears elsewhere in the document. The cross-reference appears as a link that takes the reader to the referenced item.

If you want to link to a separate document you can create a hyperlink.



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Create the item you're cross-referencing first

You can't cross-reference something that doesn't exist, so be sure to create the chart, heading, page number, etc., before you try to link to it. When you insert the cross-reference, you'll see a dialog box that lists everything that's available to link to. Here's an example.

Cross-reference dialog box in Word

Insert the cross-reference

In the document, type the text that begins the cross-reference. For example, "See Figure 2 for an explanation of the upward trend."

On the Insert tab, click Cross-reference.

Word ribbon with Cross-reference highlighted

In the Reference type box, click the drop-down list to pick what you want to link to. The list of what's available depends on the type of item (heading, page number, etc.) you're linking to.

TABLES AND COLUMNS

Creating a table in Word 2019

Tables organize text into rows and columns, which can make the text easy to type, edit, and format while spacing it correctly in your document. Tables organize text into cells, where a cell is the intersection of a row and a column.

Word provides four ways to create a table:

Click the Insert tab, click the Table icon, and then highlight the number of rows and columns for your table (up to a maximum of eight rows and ten columns).

Use the Insert Table dialog box.



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Draw the size and position of the table with the mouse.

Convert existing text (divided by a delimiter character such as a tab or a comma).

Creating a table by highlighting rows and columns in Word 2019

Creating a table by highlighting rows and columns can be fast, but it limits the size of your table to a maximum of eight rows and ten columns. To create a table by highlighting rows and columns, follow these steps:

Click the Insert tab.

Move the cursor where you want to insert a table in your document.

Click the Table icon.

A pull-down menu appears.

Move the mouse pointer to highlight the number of rows and columns you want to create for your table.

When you highlight rows and columns, Word displays your table directly in your document so you can see exactly what your table will look like.

Click the left mouse botton when you're happy with the size of your table.

# MAIL MERGE:

Mail merge lets you create a batch of documents that are personalized for each recipient. For example, a form letter might be personalized to address each recipient by name. A data source, like a list, spreadsheet, or database, is associated with the document. Placeholders--called merge fields--tell Word where in the document to include information from the data source.



#### **CHENNAI-14**

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

You work on the main document in Word, inserting merge fields for the personalized content you want to include. When the mail merge is complete, the merge document will generate a personalized version of itself for each name in the data source.

#### **Data sources**

Your first step in setting up a mail merge is to pick the source of data you'll use for the personalized information. Excel spreadsheets and Outlook contact lists are the most common data sources, but any database that you can connect to Word will work. If you don't yet have a data source, you can even type it up in Word, as part of the mail merge process.

For details about data sources, see Data sources you can use for a mail merge.

Excel or Outlook

If you know you'll be using Excel or Outlook as the source of your data, see:

Mail merge using an Excel spreadsheet

Use Outlook contacts as a data source for a mail merge

#### **Document types**

Word provides tools for incorporating your data into the following kinds of documents. Follow the links for details about each type:

Letters that include a personalized greeting. Each letter prints on a separate sheet of paper.

Create and print a batch of personalized letters.



#### **CHENNAI-14**

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### **Envelopes:**

#### **To Print Envelopes**

Envelopes are not too bad once you figure out how to do it the first time. Here are the key points.

You need to select your printer and setup the printer to expect envelope shapes, not letter or A4 shapes.

You also need to fiddle around for a while and figure out where (left, right, perpendicular, parallel) in the tray your printer expects envelopes. Buy a box of cheap envelopes and expect to waste a few while you experiment.

Then make sure that your envelope document is set up to print to the envelope size your printer is expecting. Envelope 10 is good.

You can type in your data for the envelope or use a data source. The simplest way is to just choose File > New > Text Document, then Format > Page Size and instead of Letter or A4, choose Envelope 10 and change the orientation to landscape. Then either with standard margin formatting or with frames, put the text where you want.

As another way to create the envelope document, you can also choose Insert > Envelope, and use the three-tabled window that appears.

Print the envelopes separately from your letter or other document that goes with the envelope. It complicates things too much with the paper size that the printer expects. If you are using data sources, click Yes in the dialog box that appears asking if you want to print a form letter.

The next time you want envelopes, just use that same document you already created, and change the addresses. Either save the document in myimportantdocuments\envelopes, or if you are a template kind of person, make it a template. (File > Templates > Save, select



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

a category and name the template, then choose File > New > Templates and Documents and pick your envelope template.)

#### Labels:

Choose File > New > Labels.

In the Labels tab of the Labels window, select the database you created in the Database dropdown list.

Note: You are looking for the name of the database you created by choosing File > New > Database, not the spreadheet, address book, or text file containing the data.

Select a table from the Table list. This will be Sheet1 or whatever the sheet name is, if you are using a spreadsheet to hold your data.

Select the first field you want to use from the Database field list and click the arrow next to it to insert it in the Label text field.

Use the Database field list to insert any other fields you need. Type a space after the field and you can add the next field, such as LastName. If you want fields on the second line, click after the last character of the last field you inserted, in the big text box, and just press Enter. If you need to change the arrangement later in the created label document, you can

In the Brand dropdown list, select Avery Letter Size if you are not using A4.

In the Type dropdown list, scroll through the billions of labels. Select the type of label you are using.

Click the Options tab.

Optional: Select the Synchronize contents option if you want to apply formatting, like a different font or colors or adding graphics, and make those changes apply to all of your labels.



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Click the Setup button next to the printer display.

Select the printer you want to print to.

MEASIME

In the printer options (this will vary according to your operating system) specify the appropriate paper feed or tray. For now, select Manual Feed.

Click the New Document button at the bottom of the window. The labels will appear. You will not see the data, you will see the field names like first name. When you print, the correct data will appear.

Optional if you selected the Synchronize contents checkbox: If you need to make changes, like adding spaces, rearranging fields, or changing formatting, do so in the upper left label. Make the text an interesting font, or make it the size you need. Then click Synchronize Labels to apply those changes to all labels. You can also right-click on the border of the upper right label, choose Frame, go to the Background tab, and give it a background color.

Choose File > Print and proceed as described above in "Print the Mail Merge Document".



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### UNIT -2

Spreadsheets – Workbook – Building –modifying-navigating; Worksheet – Auto fill copying and moving cells, inserting and deleting rows, printing; Formulas and functions-Troubleshooting formulas, Functions and its forms like database, financial logical, reference, mathematical and statistical – Databases – creating, sorting filtering and linking.

#### **Spreadsheets:**

A worksheet or sheet is a single page in a file created with an electronic spreadsheet program such as Microsoft Excel or Google Sheets. A workbook is the name given to an Excel file and contains one or more worksheets. When you open an electronic spreadsheet program, it loads an empty workbook file consisting of one or more blank worksheets for you to use.

Excel is a Microsoft Office software program that provides worksheets and workbooks. Worksheets are documents comprised of rows, columns, and cells. In each cell the user can enter a number, date, text, math formula, or Excel function. Worksheets can also display selected data in one of a variety of chart types.

A workbook is just a collection of worksheets. When the Excel program is first opened, the user is presented with a workbook that contains three empty worksheets, also called spreadsheets. The first empty worksheet is displayed, and in the bottom left corner of Excel are three tabs - one for each worksheet - with the names Sheet1, Sheet2, and Sheet3 as shown in the screenshot below. Arrows also display that allow the user to scroll right and left to locate worksheet tabs when a workbook has a large number of worksheets.

If you're only using one worksheet, you don't have to delete the two unused worksheets most folks don't bother. Excel workbooks are saved with a file extension of xlsx in newer versions of Excel. Older versions used the xls extension.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

How many Excel worksheets can we have in one workbook? Microsoft says the number is limited to your computer's memory! It's handy to group together worksheets that are VERY closely related, and especially if you are linking data from one worksheet to another. But hopping back and forth using the worksheet tabs can become confusing.

### Viewing, Renaming, Inserting, and Deleting:

#### How to View a Worksheet

To view a worksheet, click on its tab. If the workbook window is not wide enough to display all of the tabs because of long worksheet names and/or many worksheet tabs, use the arrows to the left of the tabs to navigate left or right, or right-click on any of the arrows and select the desired worksheet from the list that displays.

#### How to Rename a Worksheet

To rename a spreadsheet, right-click on the spreadsheet tab, select Rename from the context menu, and type a new name. Or, double-click on the worksheet tab and type a new name.

# How to Insert a Worksheet

The fastest way to insert a worksheet in a workbook is to simply click on the small tab to the right of the last worksheet tab as shown in the image below. Then you can move the worksheet to a different position if desired.

# How to insert a worksheet using the insert tab

Alternatively, you can insert a new worksheet to the left of an existing worksheet by right-clicking on the tab of the worksheet that is immediately to the right of where you want the new worksheet to be located and select Insert from the Insert window. Excel always inserts a spreadsheet to the left of the selected worksheet.



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### How to Delete a Worksheet

To delete a worksheet, right-click on the worksheet tab and select Delete from the context menu.

#### Moving worksheets:

Sometimes we need our worksheets need to be in a different order or even in a different workbook.

#### How to Move a Worksheet in the Same Workbook

There are two ways to move a worksheet in the same workbook. The easy way is to click and hold the left mouse button on a worksheet's tab and slide the tab to its desired position. Watch the little black arrow that appears just above. When it is to the right of left of the adjacent worksheet, release the mouse and the worksheet will be moved.

If you dislike dragging with the mouse, here is another method. Right-click on the tab of the source worksheet and click "Move or Copy..." In the Move or Copy window, click the name of the worksheet that you want the sheet to be inserted before, and click OK.

# **Formulas and Functions**

An important feature of the Excel spreadsheet program is that it allows you to create formulas that will automatically calculate results. Without formulas, a spreadsheet is not much more than a large table for displaying text.

#### Formulas

A formula is an equation that makes calculations based on the data in your spreadsheet. Formulas are entered into a cell in your worksheet. They must begin with an equal sign, followed by the addresses of the cells that will be calculated upon, with an appropriate



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

operand placed in between. Once the formula is typed into the cell, the calculation executes immediately. The formula appears in the formula bar.

# 1. Simple insertion: Typing a formula inside the cell

Typing a formula in a cell or the formula bar is the most straightforward method of inserting basic Excel formulas. The process usually starts by typing an equal sign, followed by the name of an Excel function.

Excel is quite intelligent in that when you start typing the name of the function, a pop-up function hint will show. It's from this list you'll select your preference. However, don't press the Enter key. Instead, press the Tab key so that you can continue to insert other options. Otherwise, you may find yourself with an invalid name error, often as '#NAME?'. To fix it, just re-select the cell, and go to the formula bar to complete your function.

# 2. Using Insert Function Option from Formulas Tab

If you want full control of your functions insertion, using the Excel Insert Function dialogue box is all you ever need. To achieve this, go to the Formulas tab and select the first menu labeled Insert Function. The dialogue box will contain all the functions you need to complete your financial analysis.

# 3. Selecting a Formula from One of the Groups in Formula Tab

This option is for those who want to delve into their favorite functions quickly. To find this menu, navigate to the Formulas tab and select your preferred group. Click to show a sub-menu filled with a list of functions. From there, you can select your preference. However, if you find your preferred group is not on the tab, click on the More Functions option – it's probably just hidden there.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### 4. Using AutoSum Option

For quick and everyday tasks, the AutoSum function is your go-to option. So, navigate to the Home tab, in the far-right corner, and click the AutoSum option. Then click the caret to show other hidden formulas. This option is also available in the Formulas tab first option after the Insert Function option.

#### Creating a database

When you open Access, Backstage view displays the New tab. The New tab provides several ways that you can create a new database:

A blank database : You can start from scratch if you want. This is a good option if you have very specific design requirements or have existing data that you need to accommodate or incorporate.

A template that is installed with Access Consider using a template if you are starting a new project and would like a head start. Access comes with several templates installed by default.

Adding to a database

Once you are working in a database, you can add fields, tables or application parts.

Application parts are a feature that let you use several related database objects together as if they were one. For example, an application part might consist of a table and a form that is based on the table. You can add the table and the form at the same time by using the application part.

You can also create queries, forms, reports, macros - all the database objects that you are used to working with.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### Create a database by using a template

Access comes with a variety of templates that you can use as-is or as a starting point. A template is a ready-to-use database that contains all the tables, queries, forms, macros, and reports needed to perform a specific task. For example, there are templates that you can use to track issues, manage contacts, or keep a record of expenses. Some templates contain a few sample records to help demonstrate their use.

If one of these templates fits your needs, using it is usually the fastest way to get a database started. However, if you have data in another program that you want to import into Access, you might decide it is better to create a database without using a template. Templates have a data structure already defined, and it might require a lot of work to adapt your existing data to the template's structure.

If you have a database open, on the File tab, click Close. Backstage view displays the New tab.Several sets of templates are available in the New tab, some of which are built into Access. You can download additional templates from Office.com. See the next section in this article for details.

Select the template that you want to use.

Access suggests a file name for your database in the File Name box — you can change the file name, if you want. To save the database in a different folder from the one displayed below the file name box, click Button image, browse to the folder in which you want to save it, and then click OK. Optionally, you can create and link your database to a SharePoint site.

# Click Create.

Access creates a database from the template that you chose, and then opens the database. For many templates, a form is displayed in which you can begin entering data. If your



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

template contains sample data, you can delete each record by clicking the record selector (the shaded box or bar just to the left of the record), and then doing the following:

On the Home tab, in the Records group, click Delete. Button image

To begin entering data, click in the first empty cell on the form and begin typing. Use the Navigation Pane to browse for other forms or reports that you might want to use. Some templates include a navigation form which allows you to move between the different database objects.

Data in a database can be sorted and filtered to make it easier to understand or work with. Sorting arranges data alphabetically or numerically in ascending or descending order. For example, records in the incident report database are often referenced by Log ID. Sorting the records by Log ID makes finding a particular record easier when viewing the table. Sorting the records by the Operator field makes reviewing the incidents handled by each operator easier.

A filter screens or separates out unwanted materials. A filter in a database hides (filters out) unwanted records displaying only the records you want to see. For example, you might want to see only reports for incidents that have been resolved. A filter allows you to do so quickly and easily.

Filters and sorts can be combined, allowing you to filter the data and control the sort order of the fields. For example, you might want to see only records for operator CS4 sorted by the Resolved field. An advanced filter/sort will create a table displaying this information.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

### UNIT –3

Presentations – Power Point – exploring, creating and editing slides, inserting tables and charts – Special effects – Clip Art, creating and drawing shapes, inserting multimedia content – Presentations – Planning, animation, handouts, and slideshow.

#### **Power point:**

1. Open PowerPoint. Click or double-click the PowerPoint app icon, which resembles an orange box with a white "P" on it. This will open the PowerPoint templates page.

2. Review the available templates. Scroll through the templates page until you find one which you like.

Templates include things like custom color schemes, fonts, and general appearance.

3. Select a template. Click the template that you want to use. Its window will open.

If you don't want to use a template, just click the Blank option in the upper-left side of the page and skip the next two steps.

4. Select a theme if possible. Many templates have different color schemes or themes indicated by colored boxes in the lower-right side of the window; clicking one of these boxes will change the color scheme and/or theme for your template.

5. CREATE. It's in the bottom-right corner of the window. Doing so selects your template and creates your PowerPoint presentation.

Understand how your title slide should appear. Contrary to the rest of your PowerPoint presentation, your title slide should be completely devoid of content other than the title and subtitle. This is considered a professional must when creating a PowerPoint.

If you're creating a PowerPoint presentation for which an elaborate title slide has been requested, ignore this step.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Add a title. Click the large text box in the middle of the first slide, then type in your title.

You can change the font and size of text used from the Home tab that's in the orange ribbon at the top of the window.

Add the subtitle. Click the smaller text box below the title box, then type in the subtitle that you want to use.

You can also just leave this box blank if you like.

Rearrange the title text boxes. Place your mouse cursor over one of the edges of a title box, then click and drag the box around the slide to reposition it.

You can also click and drag in or out one of a text box's corners to shrink or enlarge the text box.

Click the Transitions tab. It's at the top of the PowerPoint window. Doing so brings up a list of possible slide transition effects at the top of the page.

Select a transition for your title slide. Click a transition you want to use to apply it to the slide. This completes the title slide process; you can now move on to adding another slide for your presentation's main content.

Placing your mouse over the transition will cause the slide to demonstrate what the transition will look like in practice.

MEA

Select a type of slide. In the drop-down menu, click one of the following to add it to your presentation:

Title Slide

Title and Content



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

FMF

Section Header

Two Content

Comparison

Title Only

Blank

Content with Caption

Picture with Caption

**Format the slide's text**. If necessary, select the text that you want to change, then click the Home tab and review your text formatting options in the "Font" section of the toolbar.

You can change the font of the selected text by clicking the current font's name and then clicking your preferred font.

If you want to change the size of the text, click the numbered drop-down box and then click a larger or smaller number based on whether you want to enlarge or shrink the text.

You can also change the color, bolding, italicization, underlining, and so on from here.

Inserting a chart

PowerPoint allows you to insert charts into your slide presentation to display different types of information to your audience.

To insert a chart:

Insert a new slide with a title and a chart icon.



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

When the slide appears, click the Insert Chart icon.

Inserting a diagram or organization chart

Does your presentation require a diagram or organization chart? An organization chart shows hierarchal relationships in a company or organization such as president, vice president, and directors. Diagrams are used to show relationships between various elements.

To insert a diagram or organization chart:

Insert a new slide with a diagram or organization chart icon.

Click the Insert Diagram or Organization Chart icon.

What is a multimedia presentation? You've probably heard the term multimedia, but what does it actually mean in PowerPoint?

In short, it's combining multiple types of media in your presentation. You can use combinations of images, audio, and video to make your point.

Every PowerPoint slide is a blank canvas, waiting for your content to reinforce your speaking points or guide the presentation. Multimedia brings variety to your slides and helps visual learners understand your content better.

If we were bound to using only text and shapes, it would be much harder to hold an audience's attention during a presentation.

Multimedia exists to help reinforce our key speaking points. Here are a few ideas for working with images, audio, and video to make your presentation more interesting:



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Images - These could be used for everything from simple stock photos that add slide variety, to logos and icons that showcase your brand.

Audio - Audio is a great way to add narrations to your slides if you can't present directly to your audience or to add music and sound effects.

Video - You can add video clips from your computer or sites like YouTube. Videos could be used for showing instructional walkthroughs from YouTube, TED talks, or a recorded screencast of your own.

A better way to insert images is to save them to your computer, then insert them using the Insert menu. Go to the Insert > Pictures menu to browse to an image to insert.

Record Audio Inside PowerPoint

If you don't already have your audio recorded in a file, you can actually capture it right inside of PowerPoint.

To record audio for the presentation, go to the Insert > Audio > Record Audio option.

Add a Clip From Your Computer

If you have a video clip on your computer, you can quickly drop it into your presentation by using the Insert menu. Go to Insert > Video > Video on My PC to browse to your video file.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### UNIT -4

Databases – Access – Components, creating a database and project, import and exporting, customizing; Tables – creating and setting fields; Queries – types, creating, wizards – Reports – creating and layout.

### **MEANING OF DATA**

Data is a collection of a distinct unit of information. This "data" is used in a variety of forms of text, numbers, media and many more. Talking in terms of computing. Data is basically information that can be translated into a particular form for efficient movement and processing.

Example: Name, age, weight, height, etc.

# MEANING OF DATABASE

The database is an organized collection of structured data to make it easily accessible, manageable and update. In simple words, you can say, a database in a place where the data is stored. The best analogy is the library. The library contains a huge collection of books of different genres, here the library is database and books are the data.

In other words, consider your school registry. All the details of the students are entered in a single file. You get the details regarding the students in this file. This is called a Database where you can access the information of any student.

# DATABASE COMPONENTS

The major components of the Database are:

• Hardware

This consists of a set of physical electronic devices such as I/O devices, storage devices and many more. It also provides an interface between computers and real-world systems.



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

• Software

This is the set of programs that are used to control and manage the overall Database. It also includes the DBMS software itself. The Operating System, the network software being used to share the data among the users, the application programs used to access data in the DBMS.

• Data

Database Management System collects, stores, processes, and accesses data. The Database holds both the actual or operational data and the metadata.

• Procedure

These are the rules and instructions on how to use the Database in order to design and run the DBMS, to guide the users that operate and manage it.

Database Access Language

It is used to access the data to and from the database. In order to enter new data, updating, or retrieving requires data from databases. You can write a set of appropriate commands in the database access language, submit these to the DBMS, which then processes the data and generates it, displays a set of results into a user-readable form.

# Database Management System (or DBMS)?

A DBMS is a technology tool that directly supports data management. It is a package designed to define, manipulate, and manage data in a database.

Organizations employ Database Management Systems (or DBMS) to help them effectively manage their data and derive relevant information out of it.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Some general functions of a DBMS:

• Designed to allow the definition, creation, querying, update, and administration of databases

• Define rules to validate the data and relieve users of framing programs for data maintenance

• Convert an existing database, or archive a large and growing one

• Run business applications, which perform the tasks of managing business processes, interacting with end-users and other applications, to capture and analyze data

Some well-known DBMSs are Microsoft SQL Server, Microsoft Access, Oracle, SAP, and others.

# What is SQL?

Structured Query language SQL is pronounced as "S-Q-L" or sometimes as "See-Quel" which is the standard language for dealing with Relational Databases.

It is effectively used to insert, search, update, delete, modify database records. It doesn't mean SQL cannot do things beyond that. In fact, it can do a lot more other things as well. SQL is regularly used not only by database administrators but also by the developers to write data integration scripts and data analysts.

# Understanding Access Databases

As you already know, a database is a collection of information. In Access, every database is stored in a single file. That file contains database objects, which are the components of a database.

Database objects are the main players in an Access database. Altogether, you have six different types of database objects:



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Tables store information. Tables are the heart of any database, and you can create as many tables as you need to store different types of information. A fitness database could track your daily running log, your inventory of exercise equipment, and the number of high-protein whey milkshakes you down each day, as three separate tables.

Queries let you quickly perform an action on a table. Usually, this action involves retrieving a choice bit of information (like the 10 top-selling food items at Ed's Roadside Diner or all the purchases you made in a single day). However, you can also use queries to apply changes.

Forms are attractive windows that you create, arrange, and colorize. Forms provide an easy way to view or change the information in a table.

Reports help you print some or all of the information in a table. You can choose where the information appears on the printed page, how it's grouped and sorted, and how it's formatted.

Macros are mini-programs that automate custom tasks. Macros are a simple way to get custom results without becoming a programmer.

Modules are files that contain Visual Basic code. You can use this code to do just about anything—from updating 10,000 records to firing off an email.

Access gurus refer to all these database ingredients as objects because you manage them all in essentially the same way. If you want to use a particular object, you add it to your database, give it a name, and then fine-tune it. Later on, you can view your objects, rename them, or delete ones you don't want anymore.

# HOW TO CREATE DATA BASE

Step 1: Start Access

Step 2: Click the "Blank desktop database" template.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Step 3: Type a file name for the database you're about to create.

Step 4: Choose the folder where you want to store your database.

Step 5: Click the big Create button (under the File Name box).

### EXPORT AND IMPORT DATA

You can use the Cloud Firestore managed export and import service to recover from accidental deletion of data and to export data for offline processing. You can export all documents or just specific collections. Likewise, you can import all data from an export or only specific collections. Data exported from one Cloud Firestore database can be imported into another Cloud Fire store database. You can also load Cloud Fire store exports into Big Query.

This page describes how to export and import Cloud Firestore documents using the managed export and import service and Cloud Storage. The Cloud Firestore managed export and import service is available through the cloud command-line tool and the Cloud Firestore API (REST, RPC).

# DATA TABLES

Data tables display information in a grid-like format of rows and columns. They organize information in a way that's easy to scan, so that users can look for patterns and insights.

Data tables can contain:

- Interactive components (such as chips, buttons, or menus)
- Non-interactive elements (such as badges)
- Tools to query and manipulate data



#### CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### **CREATING A SIMPLE TABLE:**

You can customize a table in two ways:

Design view lets you precisely define all aspects of a table before you start using it. Almost all database pros prefer Design view.

Datasheet view is where you enter data into a table. Datasheet view also lets you build a table on the fly as you insert new information. You'll use this approach in this chapter.

The following steps show you how to turn a blank new table into the Dolls table by using the Datasheet view:

Step 1:To define your table, simply add your first record

Step 2: In the datasheet's rightmost column, under the "Click to Add" heading, type the first piece of information for the record

Step 3: Press Tab to move to the next field, and return to step 2

Step 4: It's time to fix your column names. Double-click the first column title (like Field1).

Step 5: Type a new name, and then press Enter.

Step 6: Press Ctrl+S or choose File $\rightarrow$ Save to save your table.

Step 7: Type a suitable table name, and then click OK.

TO CREATE A DATABASE USING THE DATABASE WIZARD:

Step 1: CLICK THE NEW BUTTON ON THE TOOLBAR. OR

SELECT FILE » NEW FROM THE MENU.

Step 2: CLICK THE ON MY COMPUTER LINK IN THE TASK PANE.



**CHENNAI-14** 

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

Step 3: CLICK THE DATABASES TAB IN THE TEMPLATES DIALOG BOX.

Step 4: DOUBLE-CLICK THE TYPE OF DATABASE YOU WANT TO CREATE.

Step 5: FOLLOW THE ONSCREEN INSTRUCTIONS AND SPECIFY WHAT YOU WHAT TO APPEAR IN YOUR DATABASE.

# DATABSE REPORTING TOOLS:

Database reporting tools allow you to create reports based on the data stored in your database or data warehouse. Two of the most popular types of databases are relational and No SQL.

# DATABASE REPORTS

A database report is a report created from a culmination of queried data visualized for the purposes of analysis, data discovery, and decision-making.

Database reports can be created through traditional BI platforms and embedded BI platforms through front-end calls to a backend database. These calls are often formulated as SQL queries.

A traditional BI platform may run a call to an internal data resource to then visualize a database report through a centralized front end BI system.

# BUSINESS INTELLIGENCE

Business Intelligence is an umbrella term for a set of analytical tools and methods that allow users to observe, visualize, and analyze data. Users can pull and combine different data sources by executing multiple database queries to mash up different data elements. These queries are then visualized into reports, dashboards, and other visualizations allowing decision makers to easily view data in a usable way and then analyze said data to make better business decisions.



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

### CREATING AND MANAGING LAYOUTS AND REPORTS

FileMaker Pro layouts determine how information is organized for viewing, printing, reporting, finding, and entering data. Layouts don't store your data—they just display it.

Database files can have many different layouts, which display data in a variety of ways. Within one database file, you can design separate layouts for entering data, reporting summaries, printing mailing labels, displaying data graphically in charts, working with a database in a web browser or on a touch device, and so on. You can change a layout's design without affecting the data or other layouts for the file. When you change the data in a field, the changes are reflected in the same field on all the layouts in the database.

In a layout, you:

- choose which fields to display
- arrange and format fields
- add or modify field labels
- create reports, for example, to group or summarize data
- specify how records are printed
- add graphics and text to add emphasis and interest
- specify dimensions for a layout, according to how it will be viewed or printed

When you create a database file (without using one of the Starter Solution files shipped with FileMaker Pro), FileMaker Pro automatically creates a layout for the initial table in the file, and for each newly added table that contains fields.

You create layouts and reports by using the New Layout/Report assistant, which guides you through creating the layout or report according to options you choose, such as the



SIL

#### CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

type of device the layout will display on, the default view for the layout, the layout fields, and the way data is grouped and sorted.

After creating a layout, you can do things like duplicate, delete, or rename it, or organize layouts into folders. You can also set options to print or preview records in columns, and to control which views are available to view or print the layout.





Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

# UNIT-5

Information management- Outlook – starting, closing contact tool bard file management; email – reading, composing, responding, attachments, signature, junk mail, tasks – screen, sorting, creating, deleting, assigning, updating; scheduling – calendar,

### **INFORMATION MANAGEMENT**

Information management (IM) is the process by which relevant information is provided to decision-makers in a timely manner (Davis, 1997). Information management has largely been defined from an information systems perspective and equated with the management of information technology.

File management is the process of administering a system that correctly handles digital data. Therefore, an effective file management system improves the overall function of a business workflow. It also organizes important data and provides a searchable database for quick retrieval. How File Management Organizes Files.

# HOW TO CHANGE THE MESSAGING FORMAT ON INCOMING EMAILS

What about when someone sends you an email in plain text / rich text format? In an ideal world, everyone will have their email clients set to compose new messages in HTML format, but unfortunately that is not the case.

If you receive an email in plain text / rich text format, you can easily change the message format, however it is a manual action you have to do for each message.

# HOW DO I CONTROL SPAM AND OTHER JUNK MAIL?

Generally, your administrator will manage junk mail for you. However, if junk mail is still a problem, you can control it in a few different ways.

SEND MAIL TO THE JUNK FOLDER PREPARED BY M.S.SIRANJEEVI, ASSISTANT PROFESSOR



CHENNAI-14

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

If you often get junk mail from the same sender, you can send mail from that sender to the Junk folder automatically. You can then periodically check Junk, to make sure no regular mail has been sent there.

Procedure

1. From any mail folder, select an email from the sender.

2. Select More > Deliver Sender's Mail to Junk.

### RESULTS

To remove someone from the junk sender's list. Open the Junk folder, select the sender, and then select More > Remove sender from Junk list.

Block or filter mail from a sender, domain, or subject

If the junk mail comes from the same sender or domain, or always has a similar subject, you can block that mail or send it to another folder automatically.

# **DELETE TASKS**

In order to delete a task, simply hover your cursor over a task, and click on the options menu. Then, select "Delete task" from the menu and confirm you want to delete the task by clicking the "Yes please, delete" dialogue. Be careful, once you delete a task, you will not be able to bring it back.

# FILTER TASKS

Instagant allows you to customize your view to see or find certain tasks, thanks to the filters located at the top of your project. You can choose to filter tasks based on the start and due dates, assignees, estimated hours, and even progress status.



#### **CHENNAI-14**

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

#### SORT TASKS

Sorting makes it simple to maintain the desired order associated with your tasks. When creating tasks you will be presented with two options: Keep manual order or sort by date. By choosing to sort your tasks by date, they will be listed chronologically. Nice and tidy.

#### **E MAIL SIGNATURE**

An email signature is a block of text that is automatically inserted to the end of an email message you send. Generally, a signature is used to provide the recipient with your name, email address, business contact information, website URL or even memorable anecdotes.

#### JUNK MAIL

Unsolicited mail sent out usually by direct marketing or direct mail firms. Used mainly for introducing new products, books and magazines, investment opportunities, merchandise catalogs, etc., junk mail is big business in industrialized countries especially the US, UK, and Canada.

Unsolicited email is called spam.

# HOW TO E MAIL A CALENDAR ENTRY TO OUTLOOK

Send your calendar entries to Outlook from a third-party service to add the appointment to your Outlook calendar. Many email and calendar programs allow you to share an appointment with another person via email. After you've received the message in Outlook, you can accept the meeting or open an attached appointment. Outlook supports most calendar formats, including iCalendar and Vcalendar.



#### **CHENNAI-14**

Approved by All India Council of Technical Education and

Affiliated to the University of Madras, ISO 9001:2015 Certified Institute

### EMAIL AN APPOINTMENT TO OUTLOOK

1. Open your calendar and then select the appointment you wish to send to Outlook.

2. Send your appointment via email. This process may vary depending on the calendar service you are using. For example, choices may include "Email," "Export," "Forward," "Invite Attendees," "Save" or "Share." Follow the instructions to create an email with your appointment attached. You can also export the appointment to your desktop and then attach it to a new email message.

3. Enter the email address you use with Outlook as the recipient. For example, enter your email address into the "To" or "Recipient" field. Send your message.

### ADD APPOINTMENT TO OUTLOOK

1. Open "Outlook." Open your Inbox and then click on the message containing your appointment.

2. Click "Accept," if available, to automatically add your appointment to your calendar. If the appointment is an attachment, double-click the attachment and then click "Yes" when prompted.

3. Click the "Save & Close" button in the Actions group of the Appointment tab.