Front Page of Answer Book

Enrollment Number: 2 0 1 9 B T C S 0 8 8

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Name of Program: B. TECH Year/Semester: 2ND YEAR/3RD SEMESTER

Name of Paper: Management Information System Paper Code: BTCS03CCB1

Date: <u>19th-JULY-2021</u> Day: <u>THRUSDAY</u> Time: <u>11:20 AM – 12:20 PM</u>

Total No. of Pages.:12

Instructions for Examinees

- 1. Fill up all entries required in this page.
- 2. Merge this doc page with your scanned answer sheets as a first page in a single PDF file.
- 3. Write your answers on A4 Ruled Sheets/Register Pages.
- 4. Write End after the last attempted question.
- 5. Write the page number on every page and mentioned Total No. of Pages on front Page.
- 6. If the content in the Answer Book of two students or more has found similar, in that case all copied answer will stand cancelled.

PRACTICAL ACTIVITY

PRACTICAL_ACTIVITY-02

- 1. TITLE: Data VESIMBLECTION IN MS-EXCEP
- 2. AIM/OBJECTIVE: The objective of this practical activity is to:
 - → : Why we Humans need to vikualize data?
 - 1 : What do we mean by Data Menalization?
 - (2): Usecase of Data Visualization in Excel.
 - (D): Implementing different kinds of chark in Ms-Excel.
- 3. METHODOLOGY: As we have varlow kind of charts which we use for vicualizing our Data in MS-Excel

As we have taken one example related to "Display the Bold". quantities against the sales por year?

→ Step 10: Open MS-Excel software. Create one rest datase workbook. Then impost dataset from enternet. (ofte: Arttps://www.guru99.00m)

Step : Enter tudata from data source of In our case above

& Step 9: First select the obstatable which we want to represent in graph.

Step @: Then click on INSERT tab from the albbon Box.

Lestep : Under the Columns click on the column chart decop down button.

>21ep 6: Then select the chart type we want.

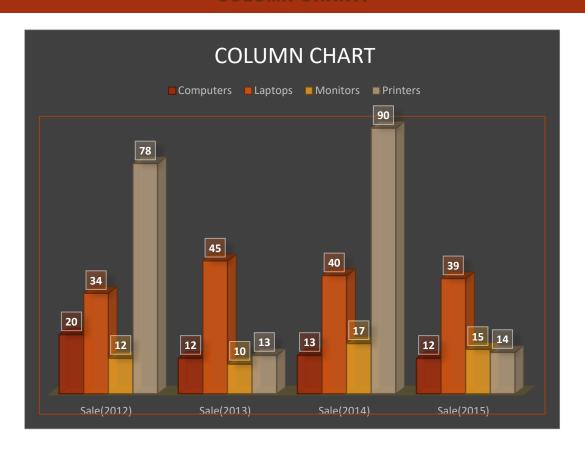
Ly There are various charts ____ Pie Chart Bor Chart Column (pmba) Line chart Bubbles chart

BRIEF DESCRIPTION & (Humans perceive vision) - we can very easily visualize rather than doing competation like computers. Hence, we (Humany) are more comfostable with the Visuals. Now Here, visualizing the data -provides a very deep Prisight about datasetle) These combined sets of data in visuals is kno as -> A chart is a visual representative of CHART. Charles are usually used to analyse the trends & pattorns in data sets. Using charts, the can easily tell which year Had the most sales and which year had the least. → 3mportance of charts: → 4111s easier to analyse trends & fatherns using charts in MS Excel Gest allows us to visualize the charge data graphically. Easy to interpret compared to data in cells. WHEN showd We use 1-? * When we want to quantify Herry & show them as (Bay CHart) when you want to compare values across a few CHAUT Type: (column chant) > when you want to compare values across a few (Line chart) rober we want to visualize trends over a period of time i.e. (Combo chart) when you want to highlight different types of

SELECTING FIELDS OF OUR DATA TABLE:

ltem	Sale(2012)	Sale(2013)	Sale(2014)	Sale(2015)
Computers	20	12	13	12
Laptops	34	45	40	39
Monitors	12	10	17	15
Printers	78	13	90	14

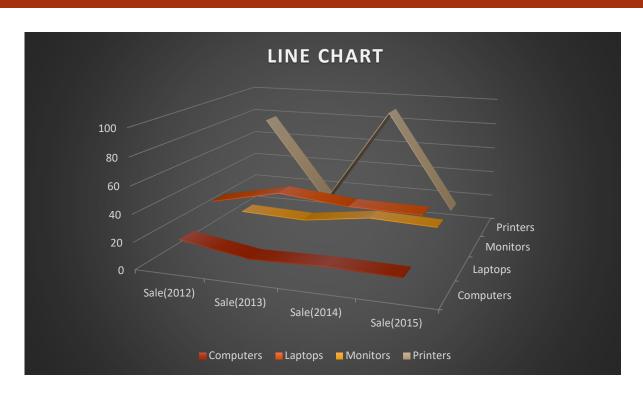
COLUMN CHART:



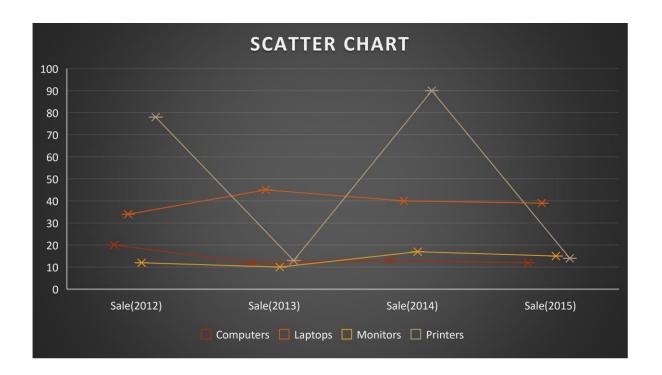
COLUMN CHART:



BAR CHART:



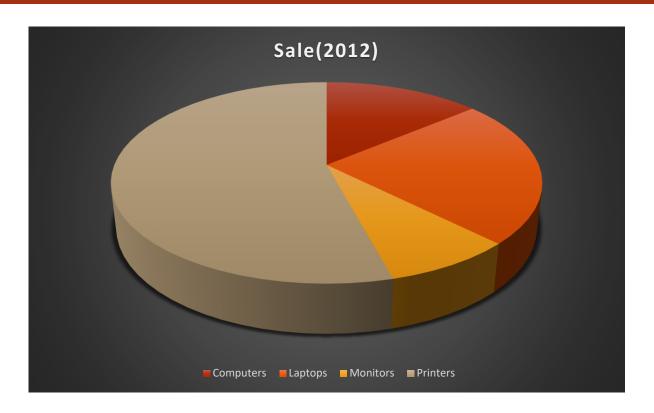
SCATTER CHART:



BUBBLE CHART:



PIE CHART:



SKILL ACTIVITY

White did not an Skill ACTIVITY-DE principe because they in Title: Executing Pivot Chartin Ms-Exect 1. What is the purpose of this Activity? (Explain in 3-4 lines) The purpose of this activity is to create a perof table in Ms-Excel. A pivot table allower you to extract the significance from a large. Pollowing use cases can be sorved by Pfvot Table: detailed data set. a. Soft Information by category easier. b. Compare information is seconds. . c. Time savey d. Interactive Data Analysis 2. Liters performed in this Activity. (Explain in 5-6 lines) Steps performed to sneeta privot Table: * step O: Wick any single cell inside the datoset. (step 2): On the Invest Tab, in the Tables group, wick Pivot Table. Step : Excel automatically selects the data for you. The default location for a New pivot table is New Worksheet. Lick OK. Then to get the total amount exported of each product , drag the following fields to the different _ ra. Product field to the Rows area. 6- Amount field to the values onea. L c. country field to the Fitters area. 1/2 Dimensional step : If you drag a freld to the Rowe area & columns area you can create a two-dimensional privot table. First, Prisert a prot table. Next, toget the total amount exported to each country, of each product drag the following stelds to the different areas. 1 Pivot Table 3 1, country field to the Rows area. 2. Product field to the columns onea. 3, Amount field to the values area. 4. category field to the Filter area.

- What resources equipments took and you we for this activity? 3,
 - O. Microsoft Excel (version 2005)

 - b. Laptop/ Computer.
- 4. What skills did you acquire?
- a. The get to know How Pivot Table works (Benlind the scene calle COUNTES (), SUMIES () & SUMPRODUCTI).
 - b. How to create 20 Table pivot chart?
 - c. Realworld we cause of pivot chart in his data analyses
 - 5. Time taken to complete this activity? 02:00 (Hours)

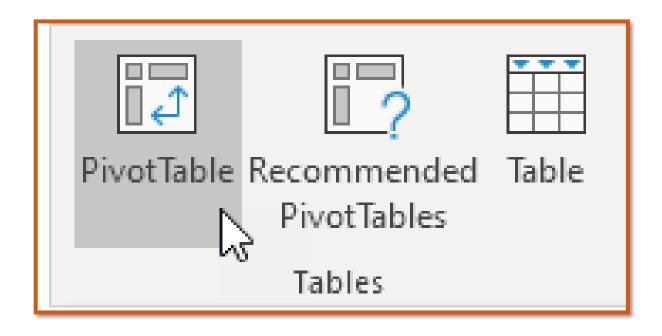
Signature of Student

Details of the Activity:

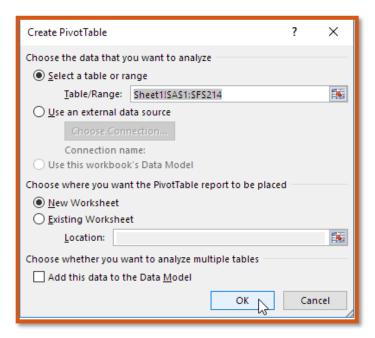
DATASET IN MS-EXCEL:

4	Α	В	С	D	Е	F	G	Н
1	Order ID	Product	Category	Amount	Date	Country		
2	1	Carrots	Vegetables	\$4,270	1/6/2016	United States		
3	2	Broccoli	Vegetables	\$8,239	1/7/2016	United Kingdom		
4	3	Banana	Fruit	\$617	1/8/2016	United States		
5	4	Banana	Fruit	\$8,384	1/10/2016	Canada		
6	5	Beans	Vegetables	\$2,626	1/10/2016	Germany		
7	6	Orange	Fruit	\$3,610	1/11/2016	United States		
8	7	Broccoli	Vegetables	\$9,062	1/11/2016	Australia		
9	8	Banana	Fruit	\$6,906	1/16/2016	New Zealand		
10	9	Apple	Fruit	\$2,417	1/16/2016	France		

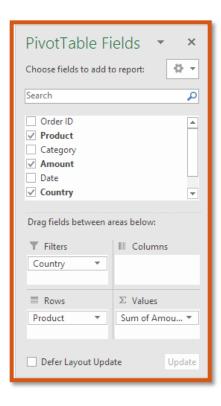
INSERT A PIVOT TABLE:



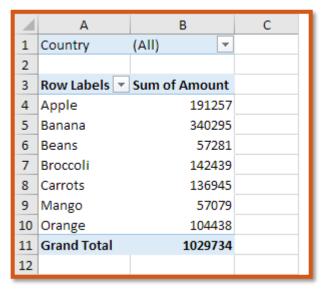
INSERT A PIVOT TABLE:



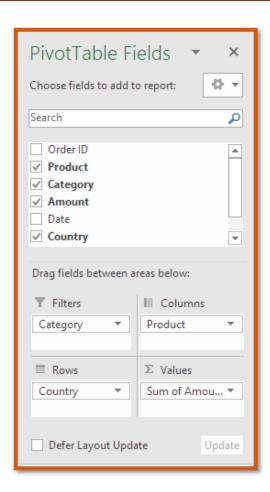
SELECTING FIELDS:



PIVOT TABLE:



CATEGORISING FIELDS TO FILTER AREA FOR 2D CHART:



2-DIMENSIONAL PIVOT TABLE:

	А	В	С	D	Е	F	G	Н	1	J
1	Category	(All)								
2										
3	Sum of Amount	Column 🔻								
4	Row Labels	Apple	Banana	Beans	Broccoli	Carrots	Mango	Orange	Grand Total	
5	Australia	20634	52721	14433	17953	8106	9186	8680	131713	
6	Canada	24867	33775		12407		3767	19929	94745	
7	France	80193	36094	680	5341	9104	7388	2256	141056	
8	Germany	9082	39686	29905	37197	21636	8775	8887	155168	
9	New Zealand	10332	40050		4390			12010	66782	
10	United Kingdom	17534	42908	5100	38436	41815	5600	21744	173137	
11	United States	28615	95061	7163	26715	56284	22363	30932	267133	
12	Grand Total	191257	340295	57281	142439	136945	57079	104438	1029734	
13										

PIVOT CHART WITH DYNAMIC X FIELD:

