

Section 4 : Worksheet

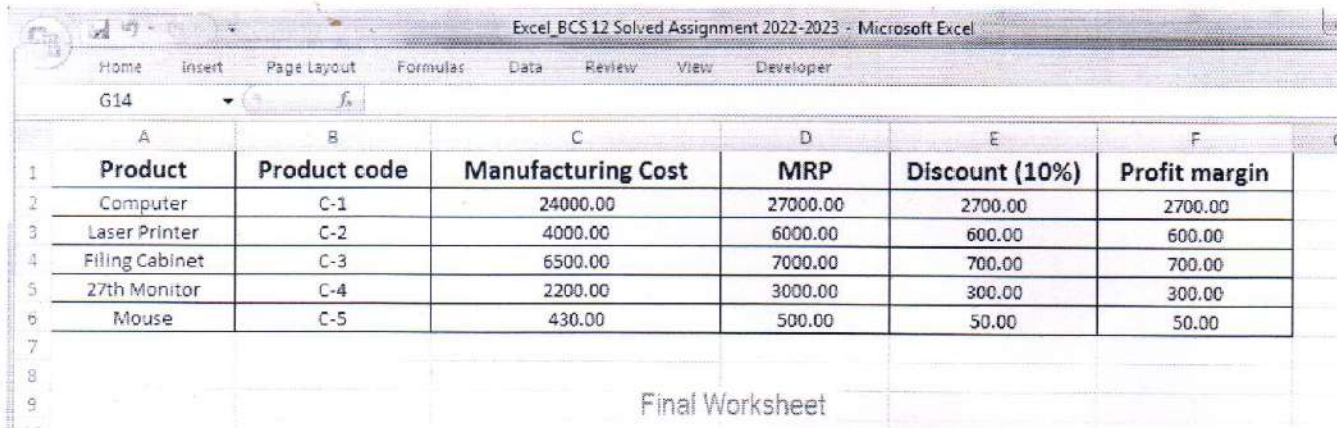
Q4 Create a Worksheet containing pricing information of a company which deals in sales of computers and computer peripherals. You are required to calculate discount, Sales price and profit margin

Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit Margin
Computer	C-1	24000.00	27000.00		
Laser printer	C-2	4000.00	6000.00		
Filing cabinet	C-3	6500.00	7000.00		
27th monitor	C-4	2200.00	3000.00		

Mouse	C-5	430.00	500.00		
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Solution:

Note : I am here using **MS Office Excel 2007**.



Excel_BCS 12 Solved Assignment 2022-2023 - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

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	A	B	C	D	E	F
	Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin
1	Computer	C-1	24000.00	27000.00	2700.00	2700.00
2	Laser Printer	C-2	4000.00	6000.00	600.00	600.00
3	Filing Cabinet	C-3	6500.00	7000.00	700.00	700.00
4	27th Monitor	C-4	2200.00	3000.00	300.00	300.00
5	Mouse	C-5	430.00	500.00	50.00	50.00
6						
7						
8						
9						

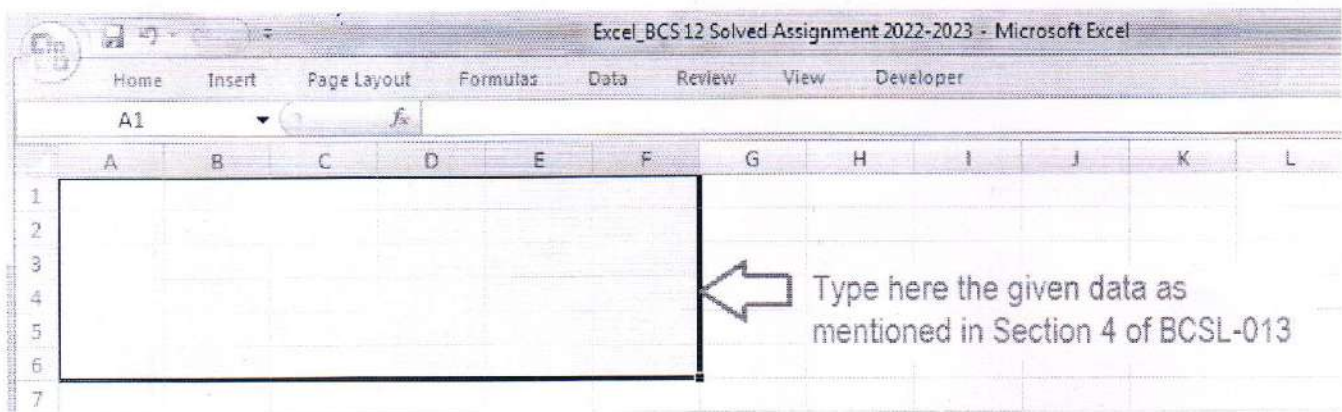
Final Worksheet

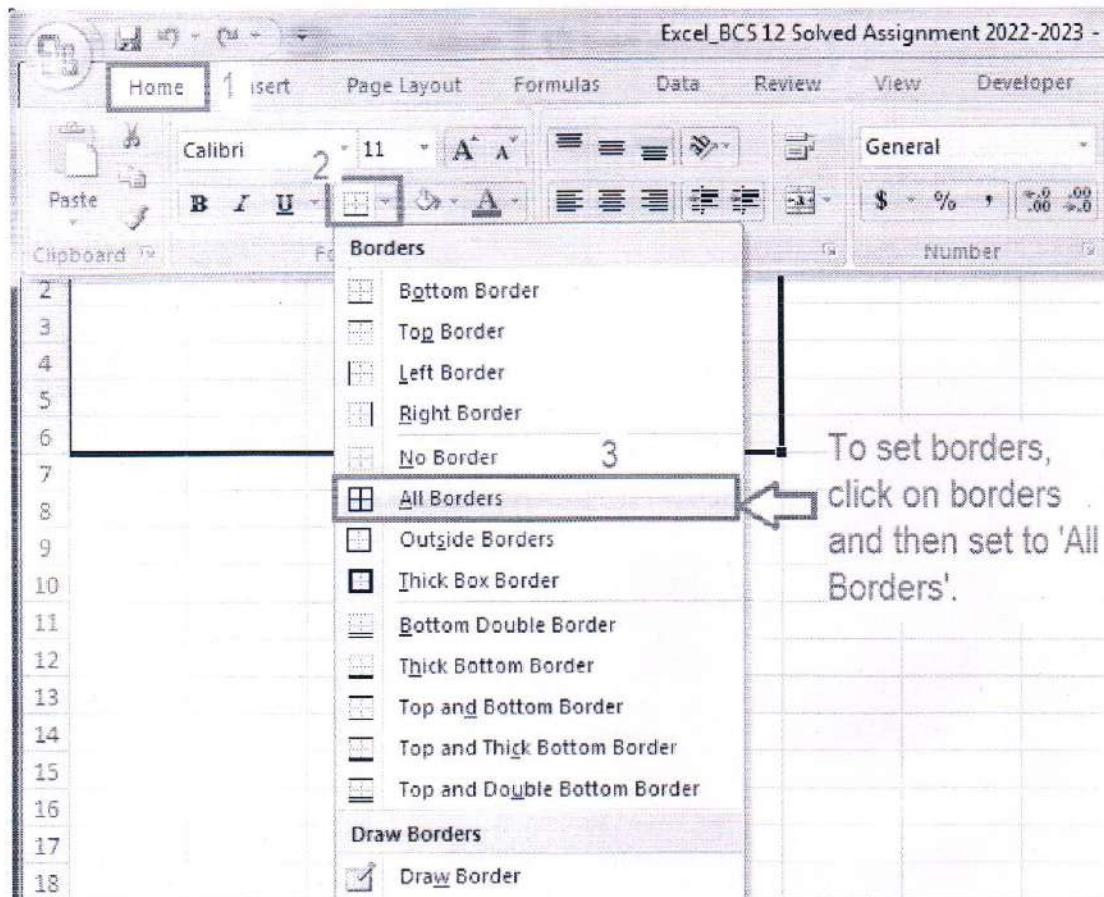
Step 1: To open a Worksheet, Click on the **"Start"** menu.

Then in the **search bar**, type **"Microsoft Office Excel"**

After the end of searching, you can see the search result on your screen. From there you have to select **"Microsoft Office Excel (Year of Version)"**.

The folloing image is attched below:





Step 2: After opening a Worksheet page,

Type "**Product**" in the tab **A1**, type "**Product Code**" in the tab **B1**, "**Manufacturing Cost**" in the tab **C1**, "**MRP**" in the tab **D1**, "**Discount (10%)**" in the tab **E1**, and type "**Profit margin**" in the tab **F1**.

In the **Product** column, type the products name as '**Computer**', '**Laser Printer**', '**Filing Cabinet**', '**27th Monitor**' and '**Mouse**' levelled as **A1**, **A2**, **A3**, **A4**, **A5** restectively.

In the **Product Code** column, type the product codes from **C-1** to **C-5** levelled as **B1**, **B2**, **B3**, **B4**, **B5** restectively.

In the **Manufacturing Cost** column, type the amounts as **24,000.00**, **4000.00**, **6500.00**, **2200.00** and **430.00** inside the tab **C2**, **C3**, **C4**, **C5** and **C6** respectively.

Excel_BCS 12 Solved Assignment 2022-2023 - Microsoft Excel

Click here to add more decimal places

	Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin
2	Computer	C-1	24000.00	27000.00		
3	Laser Printer	C-2	4000.00	6000.00		
4	Filing Cabinet	C-3	6500.00	7000.00		
5	27th Monitor	C-4	2200.00	3000.00		
6	Mouse	C-5	430.00	500.00		

Then, In the **MRP** column, type the amounts as **27000.00, 6000.00, 7000.00, 3000.00** and **500.00** inside the tab **D2, D3, D4, D5** and **D6** respectively.

Book1 - Microsoft Excel

	A	B	C	D	E	F
	Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin
1	Computer	C-1	24000.00	27000.00		
2	Laser Printer	C-2	4000.00	6000.00		
3	Filing Cabinet	C-3	6500.00	7000.00		
4	27th Monitor	C-4	2200.00	3000.00		
5	Mouse	C-5	430.00	500.00		

Then, to fill the **Discount (10%)** column for the product code 'C-1' select the tab under E i.e., **E2** and put the formula as **"=E2*0.1"** in the **formula bar** and then press 'Enter' button. To fill the rest tab under Discount, select E2 tab and drag it to E6.

Note: $Discount = MRP \times Rate \text{ of Percentage Discount}$

The following image is shown below:

Excel_BCS 12 Solved Assignment 2022-2023 - Microsoft Excel

Put the formula here to get the Discount

	A	B	C	D	E	F
	Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin
1	Computer	C-1	24000.00	27000.00	2700.00	
2	Laser Printer	C-2	4000.00	6000.00	600.00	
3	Filing Cabinet	C-3	6500.00	7000.00	700.00	
4	27th Monitor	C-4	2200.00	3000.00	300.00	
5	Mouse	C-5	430.00	500.00	50.00	

Then, to fill the **Profit Margin** column for the product code 'C-1' select the tab under F i.e., **F2** and put the formula as **"=(D2-(D2-E2))"** in the **formulabar** and then press 'Enter' button. To fill the rest tab under Profit Margin, select F2 tab and drag it to F6.

Note:

1. $\text{Selling Price} = (\text{MRP} - \text{Discount})$
2. $\text{Profit Margin} = (\text{MRP} - \text{Selling Price})$.

The following image is shown below:

Excel_BCS 12 Solved Assignment 2022-2023 - Microsoft Excel

Formula bar: $= (D2 - (D2 - E2))$ Put the formula here to get the Profit Margin

	A	B	C	D	E	F	G	H
	Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin		
1	Computer	C-1	24000.00	27000.00	2700.00	2700.00		
2	Laser Printer	C-2	4000.00	6000.00	600.00	600.00		
3	Filing Cabinet	C-3	6500.00	7000.00	700.00	700.00		
4	27th Monitor	C-4	2200.00	3000.00	300.00	300.00		
5	Mouse	C-5	430.00	500.00	50.00	50.00		

Final Worksheet is Ready

Excel_BCS 12 Solved Assignment 2022-2023 - Microsoft Excel

Formula bar: $= (D2 - (D2 - E2))$

	A	B	C	D	E	F	G	H
	Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin		
1	Computer	C-1	24000.00	27000.00	2700.00	2700.00		
2	Laser Printer	C-2	4000.00	6000.00	600.00	600.00		
3	Filing Cabinet	C-3	6500.00	7000.00	700.00	700.00		
4	27th Monitor	C-4	2200.00	3000.00	300.00	300.00		
5	Mouse	C-5	430.00	500.00	50.00	50.00		

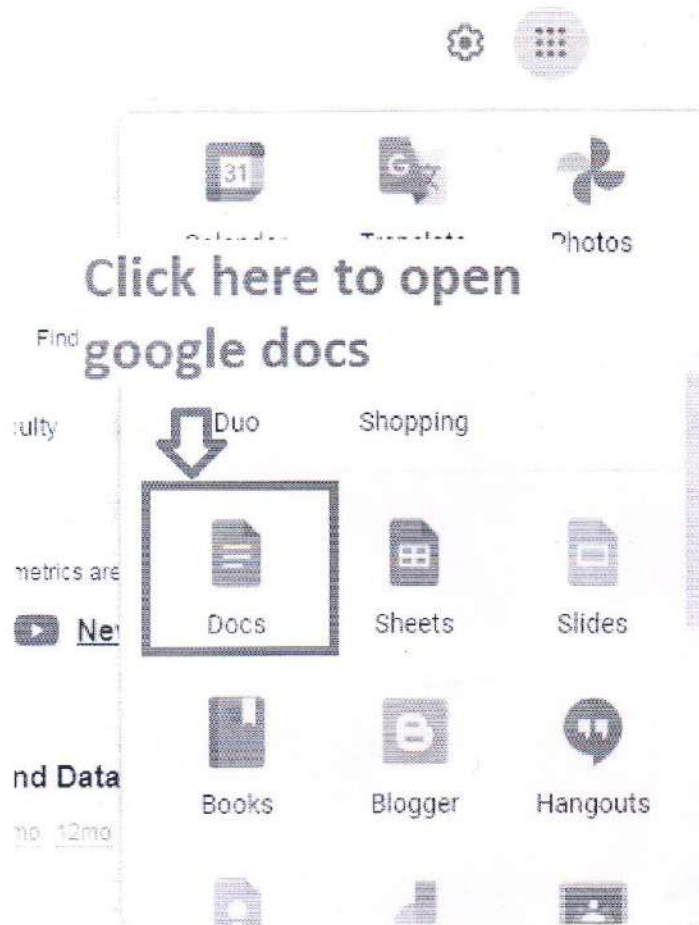
Final Worksheet

Section 5: Browsing and Discussion Forum

Q5. Collaborate online (in a group) on Google docs to create a presentation on 'Smart City Design'. All the group members should work on the presentation simultaneously from their respective machines. Use speaker notes for any online discussion and present a comprehensive report. (The report should comprise the latest amenities in the design of smart cities).

Solution:

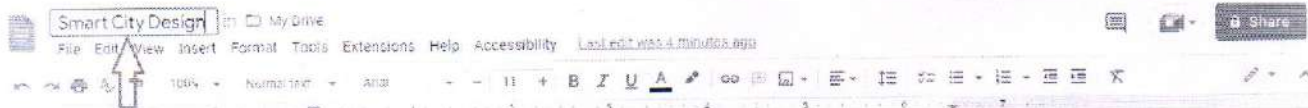
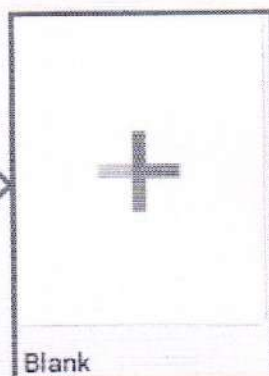
At first open web browser and then open Google Docs (make sure that you are already logged in on Google).





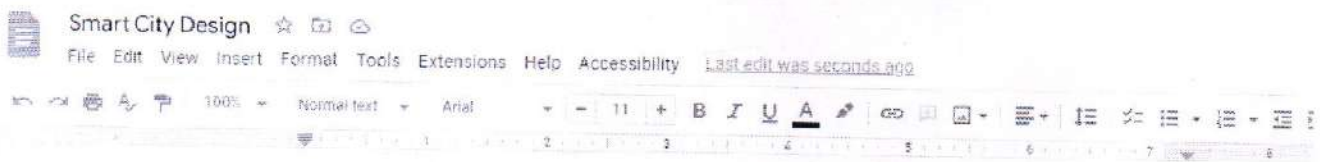
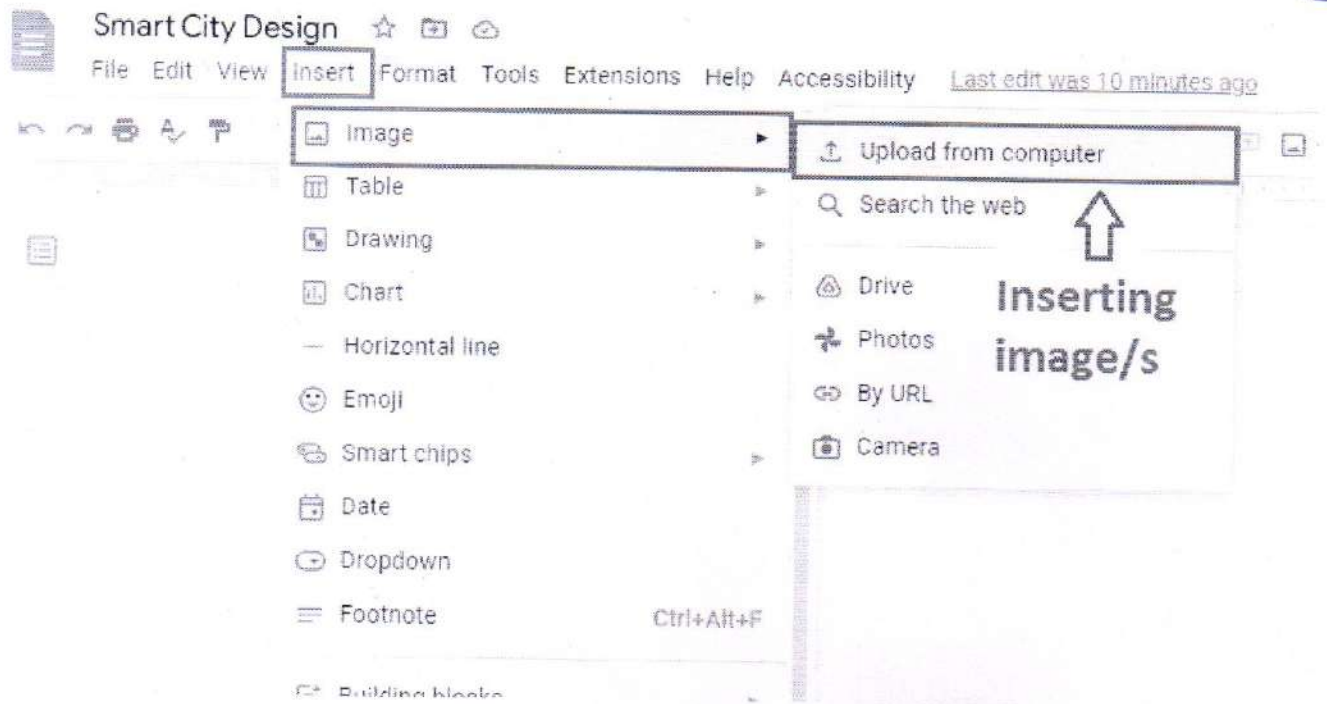
Start a new document

Click here to
create
presentation



Title of the
Presentation

Type @ to insert



Smart City Design



Smart City Design ☆ 📄 ☁

File Edit View Insert Format Tools Extensions Help Accessibility Last edit was seconds ago

Image Table Drawing Chart Horizontal line Emoji Smart chips Date Dropdown Footnote Ctrl+Alt+F Building blocks Special characters Equation Watermark Headers & footers

he elderly, to study when and where they want. time and place e.g., video streaming services and ewers to watch video or TV content whenever they esent at specific times. d a producer e.g., in the energy field, people who ins act as both a user and a supplier.

to developing sustainable cities

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Writing speaker note where it is required

tizens

00,000 doctors and 1 million nurses. million teachers in government schools. reduce ≈ 30% of urban traffic and annual fuel v 40% of energy consumption.

Smart City Design ☆ 📄 ☁

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Smart City : Introduction

Definition of Smart City by **Boyd Cohen** :

Smart cities use information and communication technologies (ICT) to be more intelligent and efficient in the use of resources, resulting in cost and energy savings, improved service delivery and quality of life, and reduced environmental footprint--all supporting innovation and the low-carbon economy.

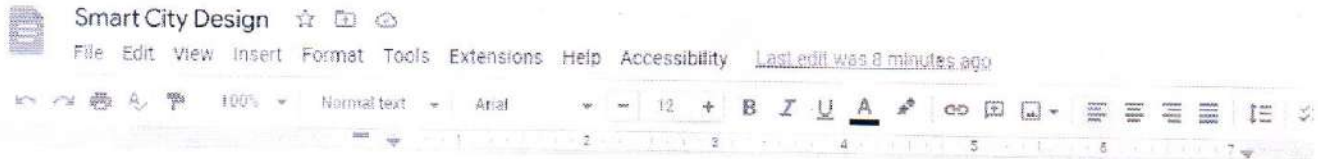
Why Smart Cities are needed now?

The need to handle global environment and urbanization problems

- Global warming and climate change
- Population increase and resource depletion
- Adverse effects of increasing urbanization

Read the document carefully and can express your views about the design of Smart City.

Speaker Note



The latest Amenities in the design of Smart Cities:

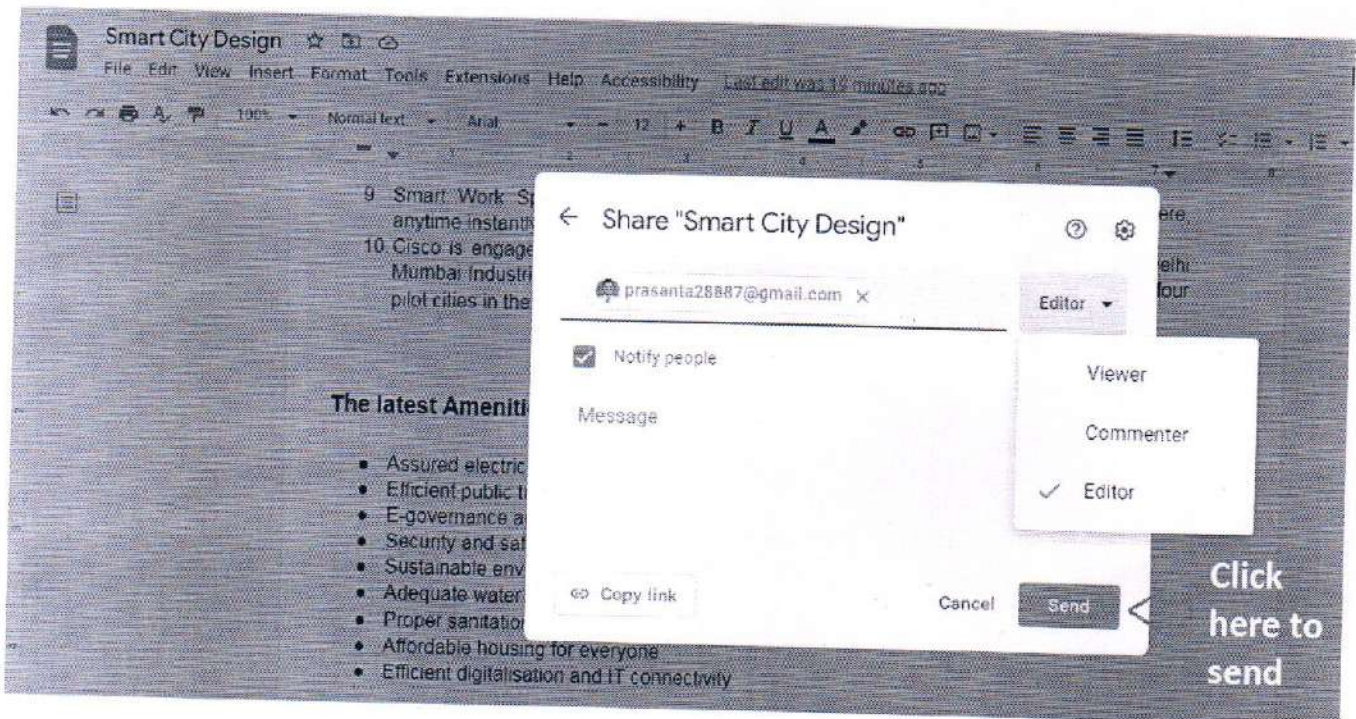
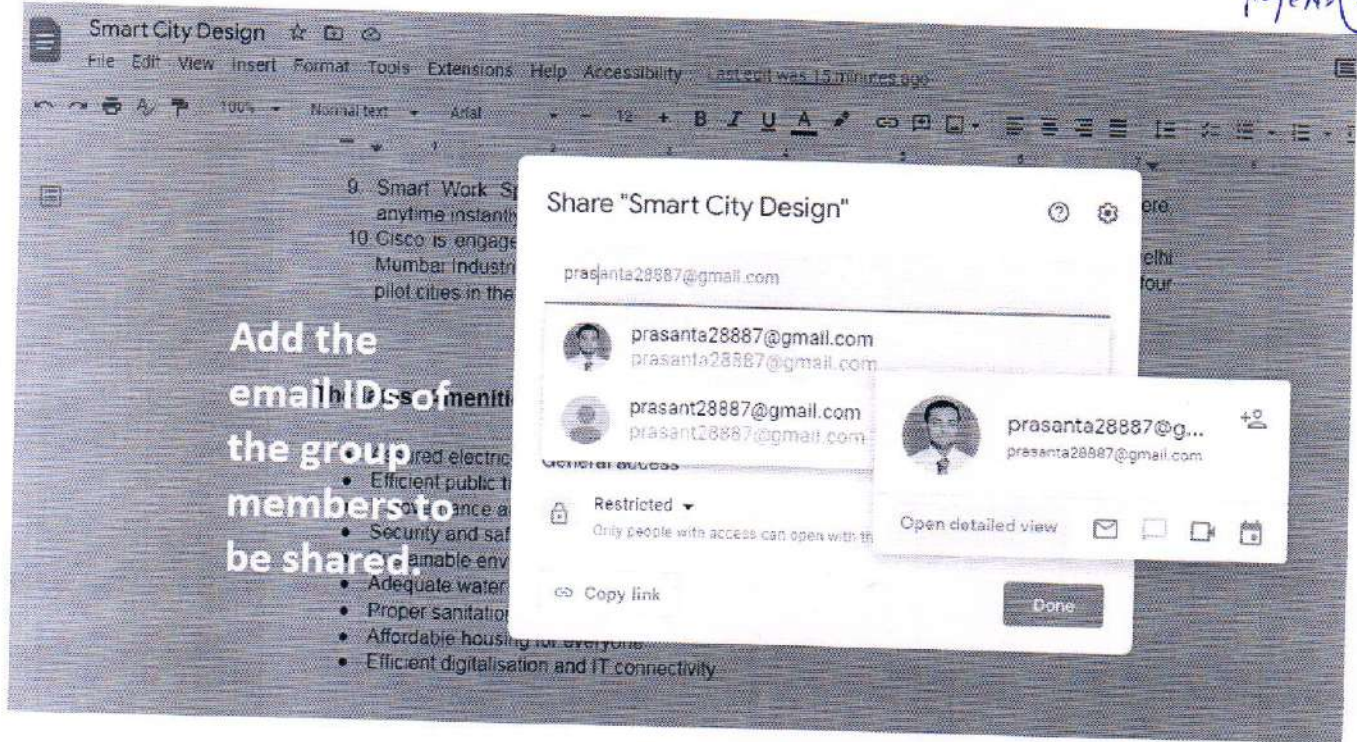
- Assured electricity supply
- Efficient public transport and urban mobility
- E-governance and citizens' participation
- Security and safety of all citizens, especially children, women, and the elderly
- Sustainable environment
- Adequate water supply
- Proper sanitation facilities, including solid-waste and sewage management
- Affordable housing for everyone
- Efficient digitalisation and IT connectivity

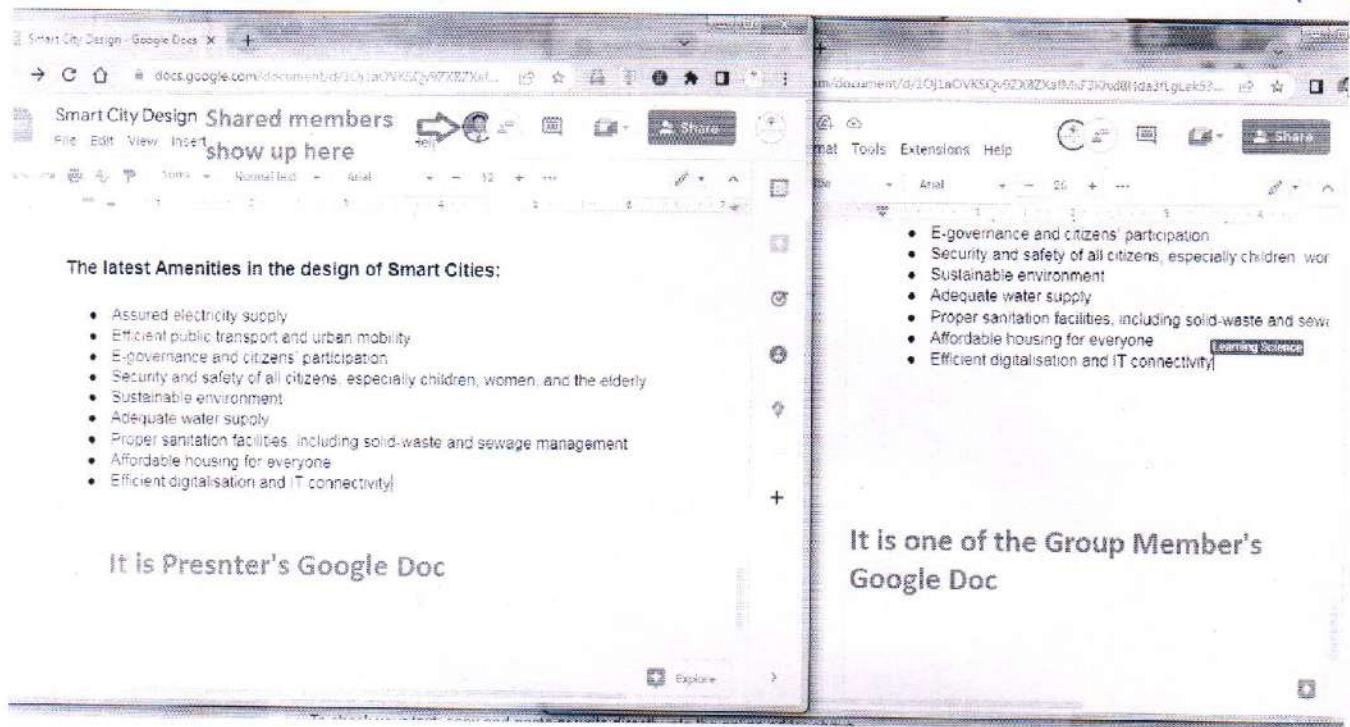


Share the live presentation with the group members.

The latest Amenities in the design of Smart Cities:

- Assured electricity supply
- Efficient public transport and urban mobility
- E-governance and citizens' participation
- Security and safety of all citizens, especially children, women, and the elderly





Finally the presentation of "Smart City Design" with Google collaboration has been prepared.

Thank You.