

1.2 Relate

Facilitator Guide

Title: Relate	Approach: Activity
Learning Objectives: <ol style="list-style-type: none">1. Students gain an awareness of where Artificial Intelligence is relevant in their lives.2. Practice storytelling using an open source AI tool.	
Pre-requisites: Basic computer literacy	
Learning Outcomes: <ol style="list-style-type: none">1. Gain an awareness of where Artificial Intelligence is relevant in their own lives2. Practice storytelling using an open source AI tool.	
Key-concepts: <ol style="list-style-type: none">1. Smart Homes and Cities2. Interactive Story Writing	

Share your ideas about Smart Home and write them down in the box?



Floorplan Activity :

Session Preparation

Logistics: For a class of 40 Students

Materials Required:

ITEM	QUANTITY
Computer	1
Projector + Screen	1

Resources:

Link for Smart cities video: <https://www.youtube.com/watch?v=eRMiKt81nAE>

Link for Smart Home video: <https://www.youtube.com/watch?v=1CajaUoI3vU>

Purpose: To recap what was done previously so that the students can see a transition in the content. It also helps them relate to AI, starting from their own lives.

Say: [Video 1] *"Today we are going to explore smart city and smart homes! Do you think our city is smart? Why and why not? Do you think it is going to become smarter? Why and why not? You can play a part in building this smart city you call home! I am going to show you two videos. The first one is about smart cities."*

[Video 2] *"Now, I am going to show you another video. This is a home tour of a smart home. Observe what are the smart elements when you watch the video. [Watch Video] What did you see? What do you like? Is this what your house would look like? What more do you wish it had? What would your house need? (more country-culture-need specific)"*

Let the students look at the concepts of Smart Cities and Homes and ask them to make considerable changes in the floor plans they made in the Excite Session. Let them add some new features or functionalities to it which could be related to the idea of a Smart Home.

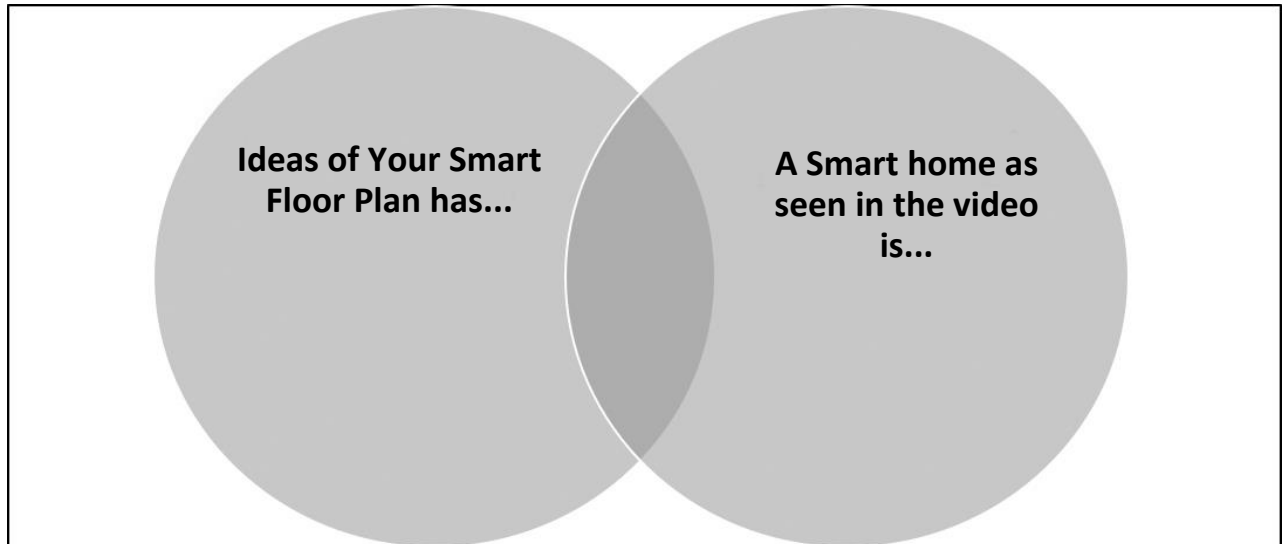
Revisit the Floor plan you created for your smart home in UNIT 1- Excite.



Watch the videos showing the concept of a Smart City and a Smart Home.

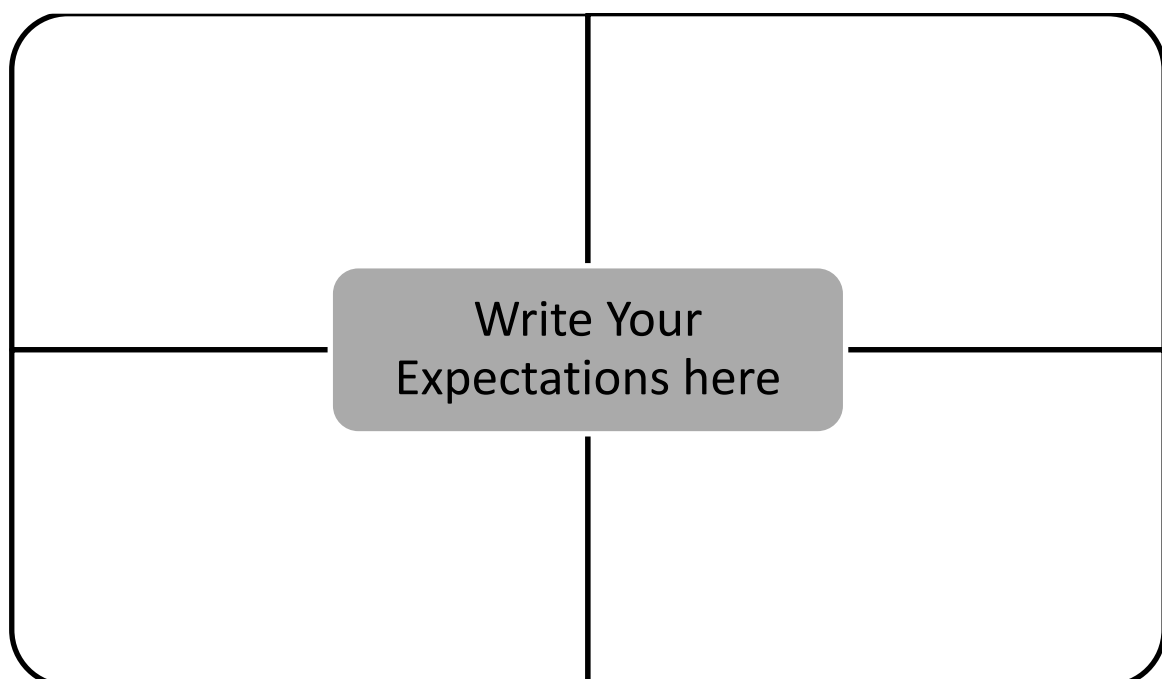
Link for Smart cities video: <https://www.youtube.com/watch?v=eRMiKt81nAE>

Link for Smart Home video: <https://www.youtube.com/watch?v=1CajaUoI3vU> After watching these videos, compare them with the smart Floorplan you created and fill up the Venn diagram.



Redesigning:

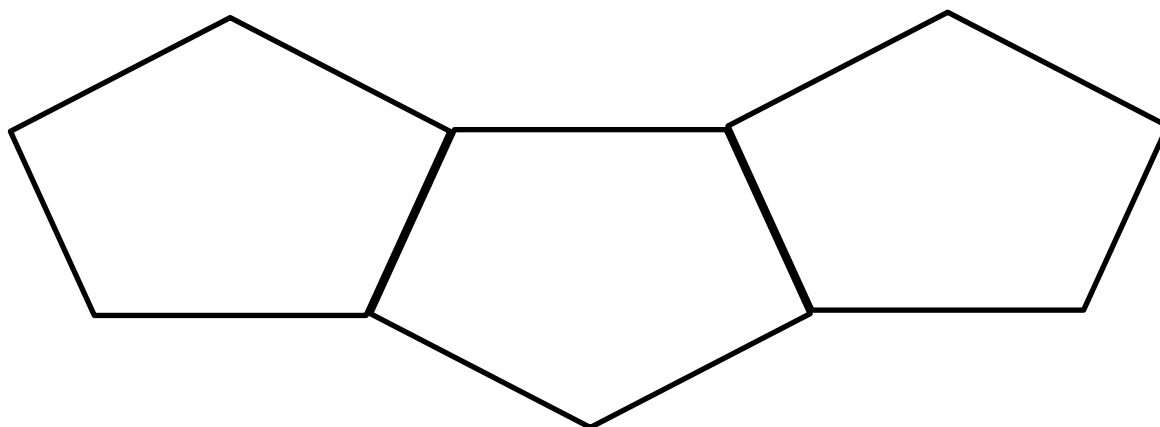
Take a relook at your floor plan and redesign it to make it an effectively Smart home. You may like to list your expectations of a Smart home before you start redesigning.



Redraw your new Smart Floor Plan here:

A large, empty rectangular box with a thin black border, intended for redrawing a Smart Floor Plan. The box occupies most of the page below the instruction.

Identify what new things you have added to make your dream home “smart”?



Creating a Story: Are you a good Storyteller?

Session Preparation

Logistics: For a class of 40 students [Pair Activity]

Materials Required:

ITEM	QUANTITY
Computers	20
Headphones (With Microphone) [optional]	20

Resources:

Link to install Story Speaker extension for Story Speaker:

<https://chrome.google.com/webstore/detail/story-speaker/ohfibfhfhbkndkipjdopbnegkbkpij>

Introduction to Story Speaker:

<https://www.youtube.com/watch?v=wsrzvYYvhH8&feature=youtu.be>

Link to read more about Story Speaker:

<https://docs.google.com/document/d/1hFrBtsBbF2LoZ1FFpXEH7L6fWH1lj24W1-itXnKSXK8/edit>

Basic Template of Story Speaker: https://docs.google.com/document/d/1rXPSayQVVQ-T5cWlhxPbOCc2UJEZTbVWkxqOnC_RnDE/edit?usp=sharing

Purpose: To capture students current mood and thoughts about their future with AI

Say: “What we are going to do now, is to work together to build an interactive story which you can play with your classmates later.”

“This is the video about Story Speaker. [Watch Introduction to Story Speaker Video] [Reiterate main points] First, you have to log in to google docs. Then, have to download the Story Speaker add-on to your google document. You can use the basic template to create the story. Write a story to explain your dream house to your classmates.”

Story Speaker Brief:

The Story Speaker extension can be accessed with docs.google.com. After signing in on Google, and opening google docs, go to Add-Ons and choose Story Speaker. A dialog will open. Ask the students to click on Basic Template and work on the same after understanding how it works.

When to intervene?

Ask the students to play Basic Template once and see what is happening.
Ask them to keep checking the story while they write. It helps in writing an error-free story.

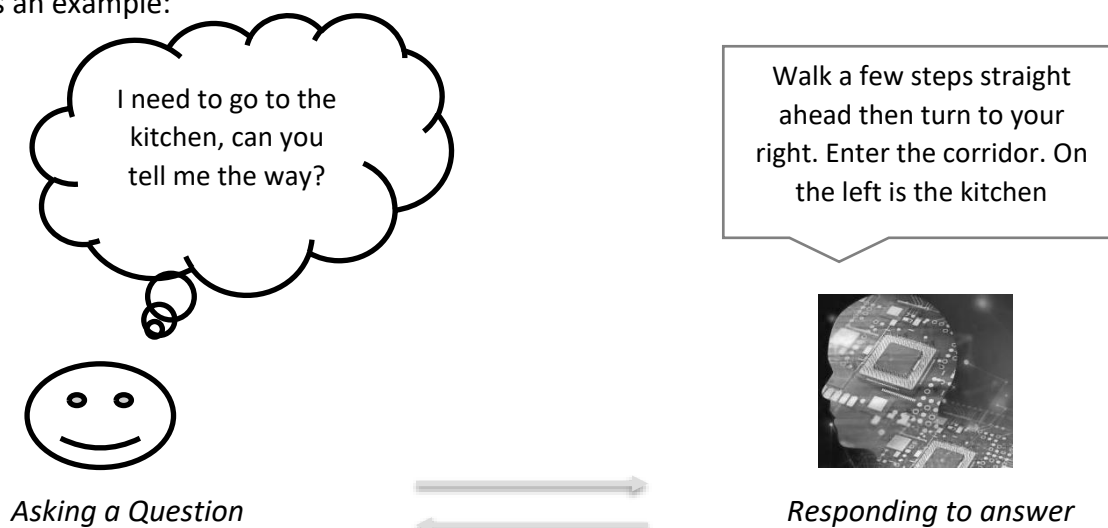
Troubleshooting Tips:

Issue	Possible Reason	Solution
Story Speaker displays error when Students tries to test run.	Indentations are either not done or are inappropriate.	Check through the story and ensure that there is proper indentation for each of the text section.
	Statement with no further forking miss <code>[[END]]</code>	Add <code>[[END]]</code> to the statement where you wish the story to end.
	Fallback missing	In the end of Story, put a Fallback section (Read the instructions)

Do you like listening to stories? How about being a creative writer?

Using your floor Plan as a base for your story, use the **Story Speaker** extension in Google docs and write a story. Ensure that you give/write specific instructions in your story that enables the story speaker to respond back with an answer.

Here is an example:



Title: Conversing with Story Speaker



Now it's your turn to create a story using the Google Extension of Story Speaker for Google Docs.

START HERE

Link for the basic template of Story Speaker:

https://docs.google.com/document/d/1rXPSayQVVQ-T5cWlhxBpOCc2UJEZTbVWkxqOnC_RnDE/edit?usp=sharing

Reflection Time:

How was the activity? You can write in the space and tick the given bubbles to describe the activity:

The activity was

.....

I learnt that

.....

I would

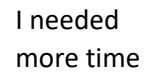
.....

The easy part was

.....

The difficult part was

.....

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

1.5 AI Ethics

Facilitator Guide

Title: AI Ethics	Approach: Discussion & Debate
Summary: Students will participate in a debate to gain awareness of the ethical concerns regarding Artificial Intelligence (AI).	
Learning Objectives: <ol style="list-style-type: none">1. Gain awareness of ethical concerns about AI2. Critically think about the cost and benefits of AI technology	
Learning Outcomes: <ol style="list-style-type: none">1. Describe some ethical concerns of AI with respect to inclusion, bias and privacy2. Be able to evaluate the cost and benefits of AI technology	
Pre-requisites: Nil	
Key-concepts: AI Ethics	

Activity: Recapitulation

Complete the following sentence:

The three things we did in the previous module are:

- 1
- 2
- 3

Activity – Watch the video AI for Good.

Purpose: To introduce Students to the topic of AI Ethics.

Say: “Let’s watch the AI for Good Video to introduce the big questions around AI Ethics”

Session Preparation:

Logistics: For a class of 40 students

Materials Required:

ITEM	QUANTITY
Computer	1
Projector + Screen	1

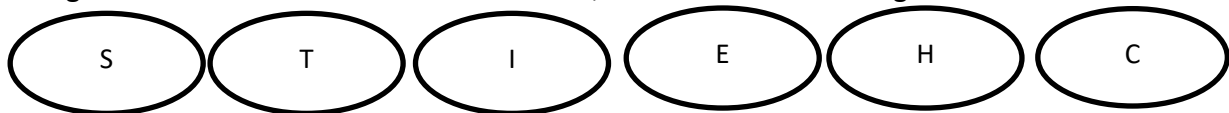
Link for Video: <https://www.youtube.com/watch?v=vgUWKXVvO9Q>

Now, answer these questions:

What have you understood from the video?

What are your learnings from it ?

To get a clue of the theme of the discussion; unscramble the word given below:



.....

What in your understanding does this mean?

.....
.....

BALLOON DEBATE:

Session Preparation:

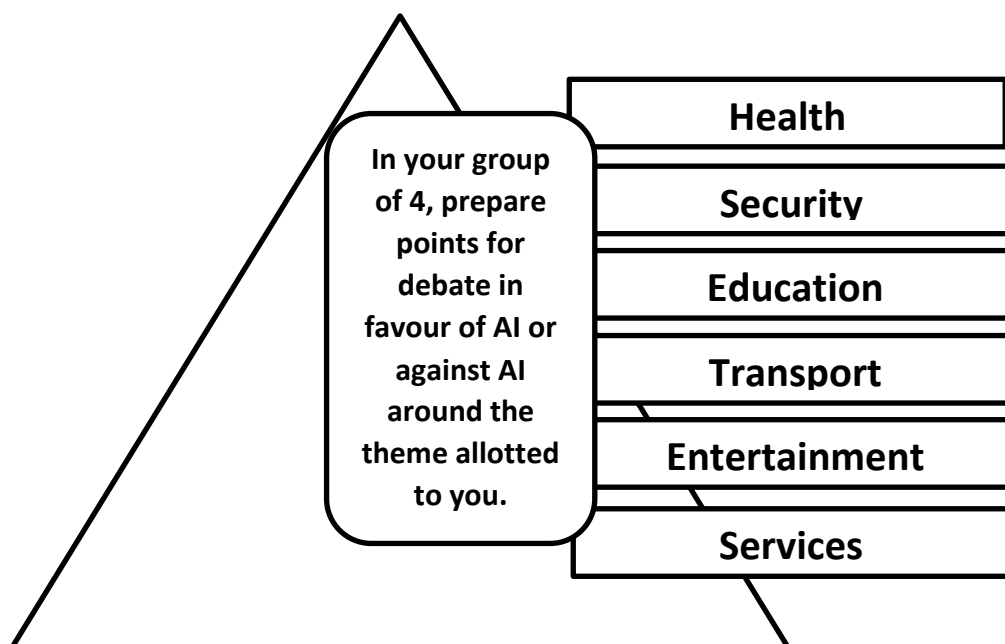
Logistics: For a class of 40 students [group activity – groups of 4]

Purpose: To introduce the concept of ethics (bias, access, privacy) in AI and its complexity.


Say: "We are going to debate about the boon and bane of various AI applications in the different industries you researched about. This will be a 4 v 4 debate. As you know, each theme has been given to two different teams. Now one team out of these two will be in affirmation with AI applications in their theme while the other one will be against AI applications in the same theme. The debate will go theme by theme wherein each member of the team will get a minute to speak. The first speaker of the affirmative team will start the debate after which the first speaker of the rebuttal team will put their points. In this manner, each speaker will get a minute to speak and finally one team will be chosen to be thrown out of the balloon debate depending upon how convincing their points were. The speaker who speaks more than a minute will get his team disqualified. You will get 15 minutes to prepare your points. And your time starts now!"

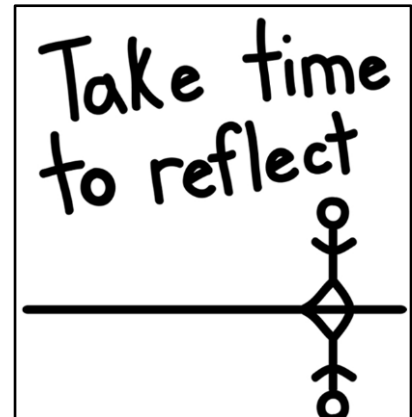
Imagine there are two families of four people out for a ride in a hot air balloon. Suddenly the balloon starts to move towards the earth instead of staying airborne. To stabilize it, one family needs to take the parachute and go out of the balloon or else it will come crashing down.

Who should be thrown out of the hot air balloon?



Reflect and Discuss:

- With the increase in AI applications leading to replacing human workforce, do you consider it ethical to incorporate the use of AI for various jobs?
 - How do you think income would be shared if AI is used in place of Human Workforce?
 - AI will probably bring with it many Health benefits. How will these Health benefits be made accessible and available to all the people in society?
 - AI is a powerful tool in various fields, however depending on how it is used, it can either be a boon or a bane. Discuss.
 - How can learning opportunities for AI be extended to all?
 - How will human beings ensure that they stay ahead of Artificial Intelligence?
- 



Discuss this with your peers and write your views:

[illegible]

“The important thing to remember is the consequences of your actions while applying AI”