

Participatory AI with Schoolchildren



This booklet belongs to \_\_\_\_\_  
\_\_\_\_\_, age \_\_\_\_\_ years,  
student of class \_\_\_\_\_, at \_\_\_\_\_  
\_\_\_\_\_ school.





## What is PAIZ?

Technology is not neutral. Therefore, in the PAIZ project we imagine ways to design fair, equitable, & inclusive technologies for the future. The focus is on future schools, that is why we ask for your participation.

We invite you to think of a future that is 10, 20, or even 50 years ahead. Can you think of such a future?

## What will happen to this booklet?

This booklet is used to collect data for the PAIZ project - data that includes your thoughts, responses, and designs. All data collected is anonymised and analysed for research publications. The booklet will be collected at the end of each day. If you would like to keep this booklet, please let the project PI know.

Project PI: Sumita Sharma, INTERACT Research Unit

Project webpage: <http://interact.oulu.fi/paiz>

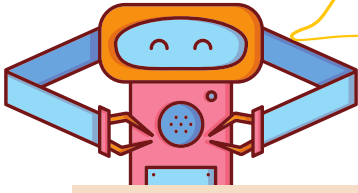
This booklet is designed by Sushmita Vavilala as a part of her final year Bachelor's project at IIIT-Delhi, India. It is available for use (from the project webpage) as a part of Canva's Free Content License agreement for non-commercial educational purposes. You cannot edit, transform, or build upon this booklet, but you can use it for yourself.

## Participant rights

Thank you for participating in this study! As a participant, you can:

1. **Stop** participating at any time
2. **Ask** the instructors for help
3. **Express** your thoughts openly.

Please also remember that there are other participants in the workshop and group activities, so please be kind to everyone and wait for your turn to speak.



Welcome!  
I am PAIZer, your  
booklet guide.

## Me, myself, and technology!



Answer the following about your technology habits

I use the following devices **everyday**. Circle around or tick the device(s) you use.



I use devices together with the following: (circle or tick, if applies)

Parents



Sibling



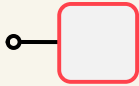
Friends



Other:



PER DAY, my screen time is (tick the box that applies):



0-5 hours



5-10 hours



More than 10 hours

How easy is it for you to use new technology?



not very easy

very easy

How much do you like using new technology?



very little

a lot

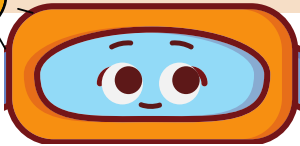
# Me, myself, and technology!



Answer the following about your technology habits

My favorite apps are:

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>



PAIZer asks

"What do you want to be when you grow up?"

## What is Artificial Intelligence?

I have heard the following terms:

I have heard

I am not sure

I know what it means

ARTIFICIAL INTELLIGENCE



IMAGE RECOGNITION












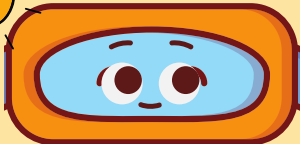
CHATBOTS



## What is Artificial Intelligence?

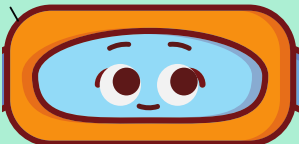
I have heard the following terms:

	I have heard	I am not sure	I know what it means
ALGORITHMS			
ONLINE SEARCH			
RECOMMENDATIONS			



PAIZer asks "What are some other similar terms you have heard?"

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PAIZer asks "Can you try to define what is artificial intelligence? "

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## Looking into the future

Imagine your classroom in the future. Draw your classroom!



What does your school/classroom have?

What does your teacher look like?

What do your friends and classmates look like?

How will you study in the class?

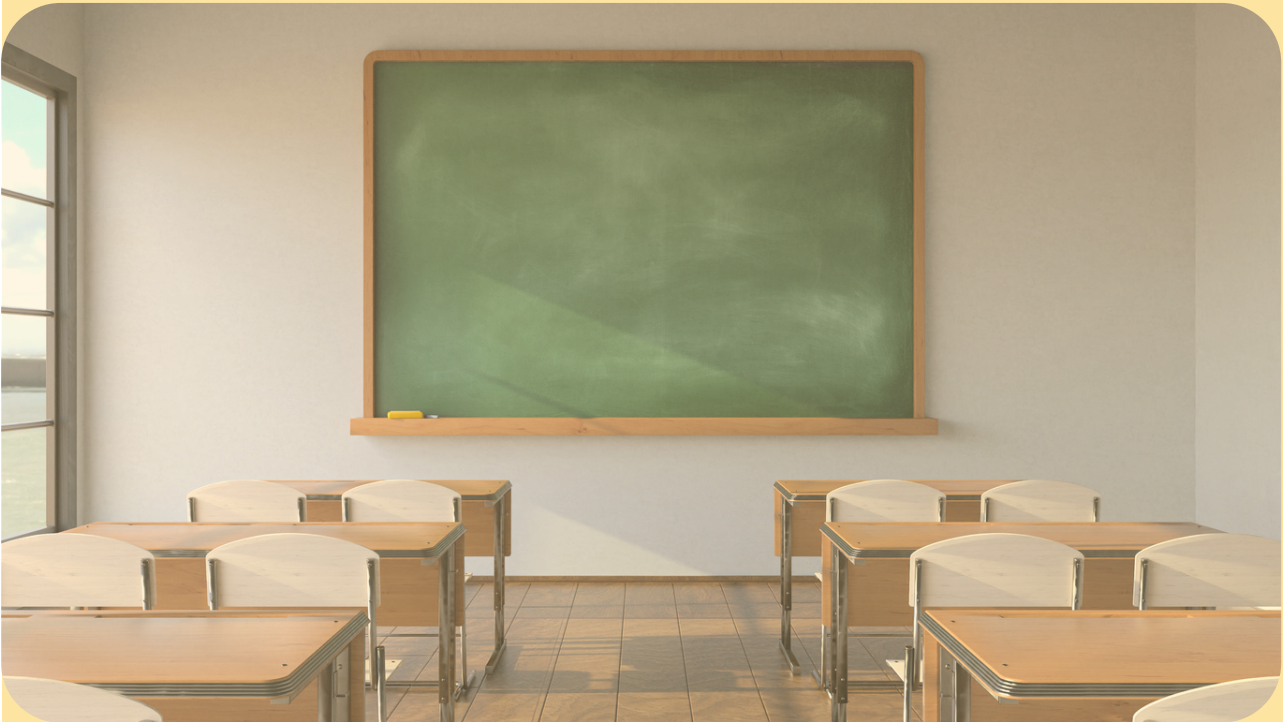
PAIZer asks - Describe the future you have imagined, in one word:

THE FUTURE IS \_\_\_\_\_



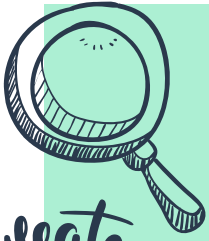
## Looking into the future

What kind of smart technologies will be in a classroom in the future?  
Draw those in the picture below



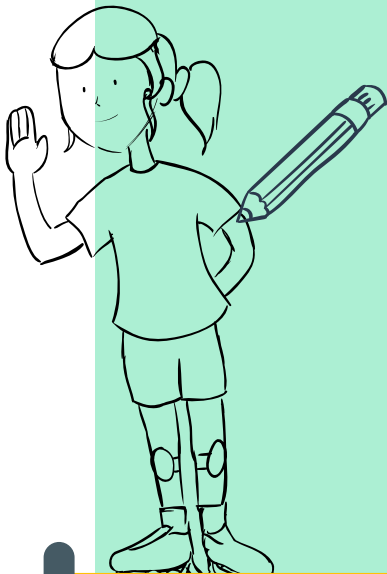
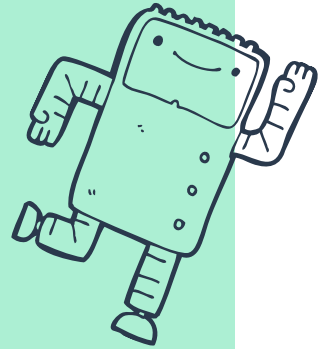
What are some **visible** smart technologies in this classroom? What do they do?

What are some **invisible** smart technologies in this classroom? What do they do?

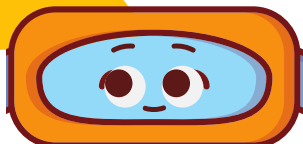
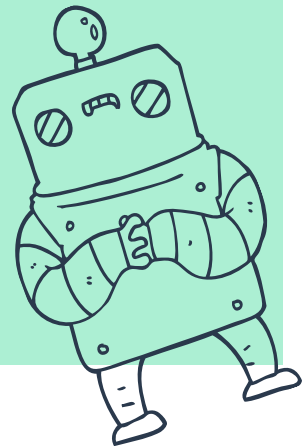


*create  
YOUR  
future*

What do you think of the session so far?



**You have  
reached:  
THE DOODLE  
CHECKPOINT!**







## GROUP ACTIVITY: Is it a dog or a muffin?



Identify whether the following images are either dogs or muffins\*



\*Image from Twitter @teenybiscuit

What are some patterns observed in THESE images?

Dogs

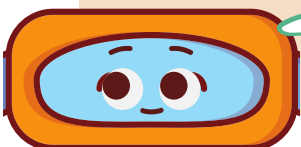
Pointed ears

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Muffins

No ears

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Do you think a machine can identify which image is a dog and which is a muffin?  
 Let's use Teachable Machines and train an AI algorithm to test its accuracy!

## AI generated ART



### DID YOU KNOW?

AI can draw pictures by getting text prompts

This is a high quality photo of a monkey astronaut\*



AI can also animate pictures or edit animations and videos

This is an oil pastel drawing of an annoyed cat in a spaceship\*

\*Images from Dall-e2

This can be good because:

This can be bad because:



# GROUP ideation activity



With your team members, pick one topic:

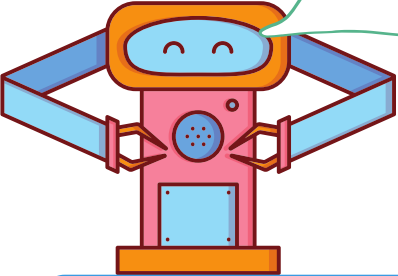
Future teacher

Future friend

Future  
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Think of your own future idea!

Use this space to draw your future idea, and don't forget to NAME it!

A large, blue-outlined rounded rectangle intended for drawing a future idea.

Name your future idea:

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# GROUP ideation activity



For your choice, consider the following:



My future \_\_\_\_\_ CAN do. Why?

My future \_\_\_\_\_ CAN'T do. Why?

A light green rectangular box containing ten horizontal orange dashed lines for writing.

A light green rectangular box containing ten horizontal orange dashed lines for writing.



Use this space to draw and describe any strengths/weaknesses of your future \_\_\_\_\_

PAIZer says it's time to present your ideas to the class!





# GROUP Ideation activity

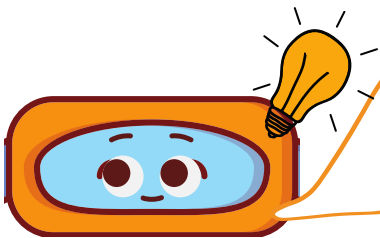
After presenting my ideas to the class and getting feedback, in my group we made the following changes to our future \_\_\_\_\_:

My future \_\_\_\_\_ CAN do. Why?

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My future \_\_\_\_\_ CAN'T do. Why?

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Think about how your future idea can be fair.

What happens if they make mistakes?

My future \_\_\_\_\_ is FAIR to me, to others, to everyone because

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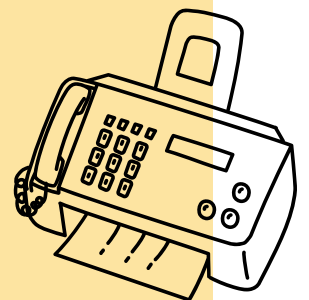
My future \_\_\_\_\_ CAN / CAN'T make mistakes, because

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# GROUP Designing and prototyping

I designed my future \_\_\_\_\_ using (list of materials):





## GROUP Designing and prototyping

Let us prepare a presentation to show the class!  
Your presentation should have:



Name of our future teacher/friends/other  
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What can it do?

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What can it not do?

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Best for -----  
Not good for -----

Tagline / pitch -----

PAIZer says it's time to present your ideas to the class!

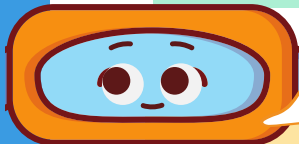


# Let's reflect!



How much do you know about these terms now?

	Understood completely	Somewhat still confused	Still unsure
Recommendations			
Algorithms			
Artificial Intelligence			
Online Search			
Image Recognition			
Chatbots			



Let's reflect on our learning of new terms using the Smiley-O-Meter

What I liked were

\_\_\_\_\_ and  
 \_\_\_\_\_ and  
 \_\_\_\_\_.

What I did not like were

\_\_\_\_\_ and  
 \_\_\_\_\_ and  
 \_\_\_\_\_.

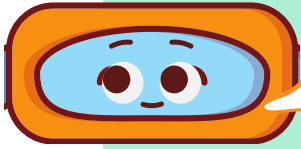
Things I learnt in the workshop are

\_\_\_\_\_ and  
 \_\_\_\_\_ and  
 \_\_\_\_\_.

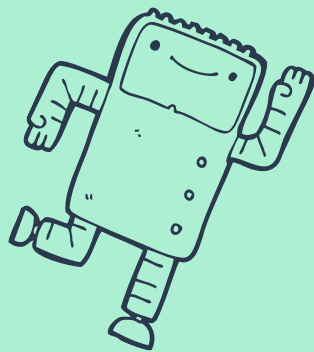




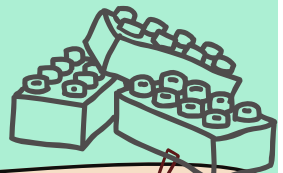
Doodle your thoughts!



You can also leave a message for the moderators and give feedback!



You have reached:  
THE END OF  
THIS BOOKLET!



THANK YOU FOR PARTICIPATING!