



STEM for inclusive Schools

WP2 – Activities

Worksheet – AI waste classification

Science /Technology (*November 2024*)

INOGIT

Project Title: STEM for inclusive Schools

Acronym: STEMinSCH

Reference number: 2023-1-DE02-KA220-000151162

Project partners:

- P1 University Paderborn (UPB), DE
- P2 Universitatea Dunarea de Jos din Galati (UDG), RO
- P3 Scoala Gimnaziala Nr. 7 Galati, RO
- P4 Siec Badawcza Lukasiewicz - Instytut Technologii Eksploatacji, PL
- P5 Inovatif ve Girisimci Toplum Dernegi, TR
- P6 Sucessos Criativos, Lda, PT



Worksheet for the Activity:

Waste management and recycling - creating an ai waste classification model.

name of the activity

Task description:

Time to finish the task: 1 week

Supplies:



An ai waste classification model designed by yourself

Method:



Realize the waste classification model you designed using the Teachable Machine platform.



Instructions:

Test your model with samples for some times. On the each test, observe how the system performs in classifying glass and plastic waste, and write down your observations in the observation protocol.

Your Group name:



Write the names of your group members in the box:





Graphics and Tables:

Fill in the observation table 1:

N O	glass/ plastic	glass prediction rate (%)	plastic prediction rate (%)	Prediction Result is true	Prediction Result is false
1	glass				
2	plastic				
3	plastic				
4	glass				
5	glass				
6	plastic				
7	glass				
8	plastic				
9	plastic				
10	glass				
				Total number of True	Total number of False
$\text{prediction accuracy}(\%) = \frac{\text{number of true}}{(\text{number of true}) + (\text{number of false})}$					