

Distracted Driver Detection

IoT Project



Group Members:

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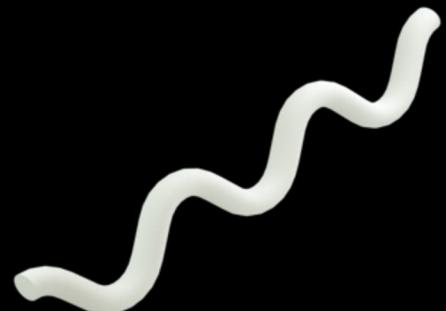
Lưu Đức Duy - 10423025

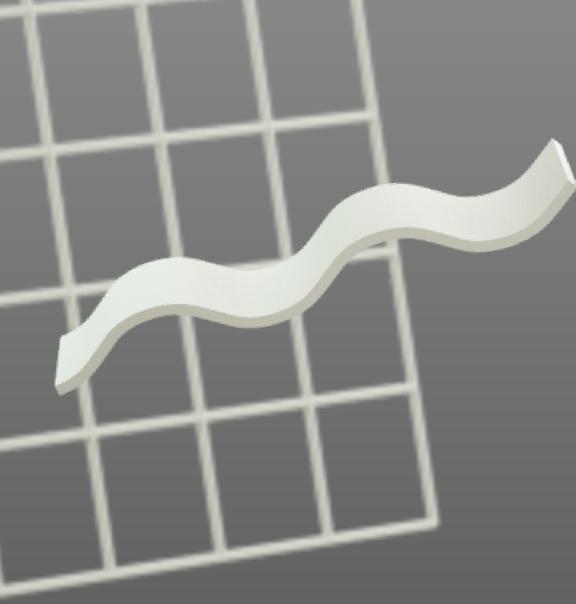
Hoàng Hải Long - 10423147



Project Overview

Detect driver drowsiness while driving using camera module and send warning via microcontroller.





Key Components

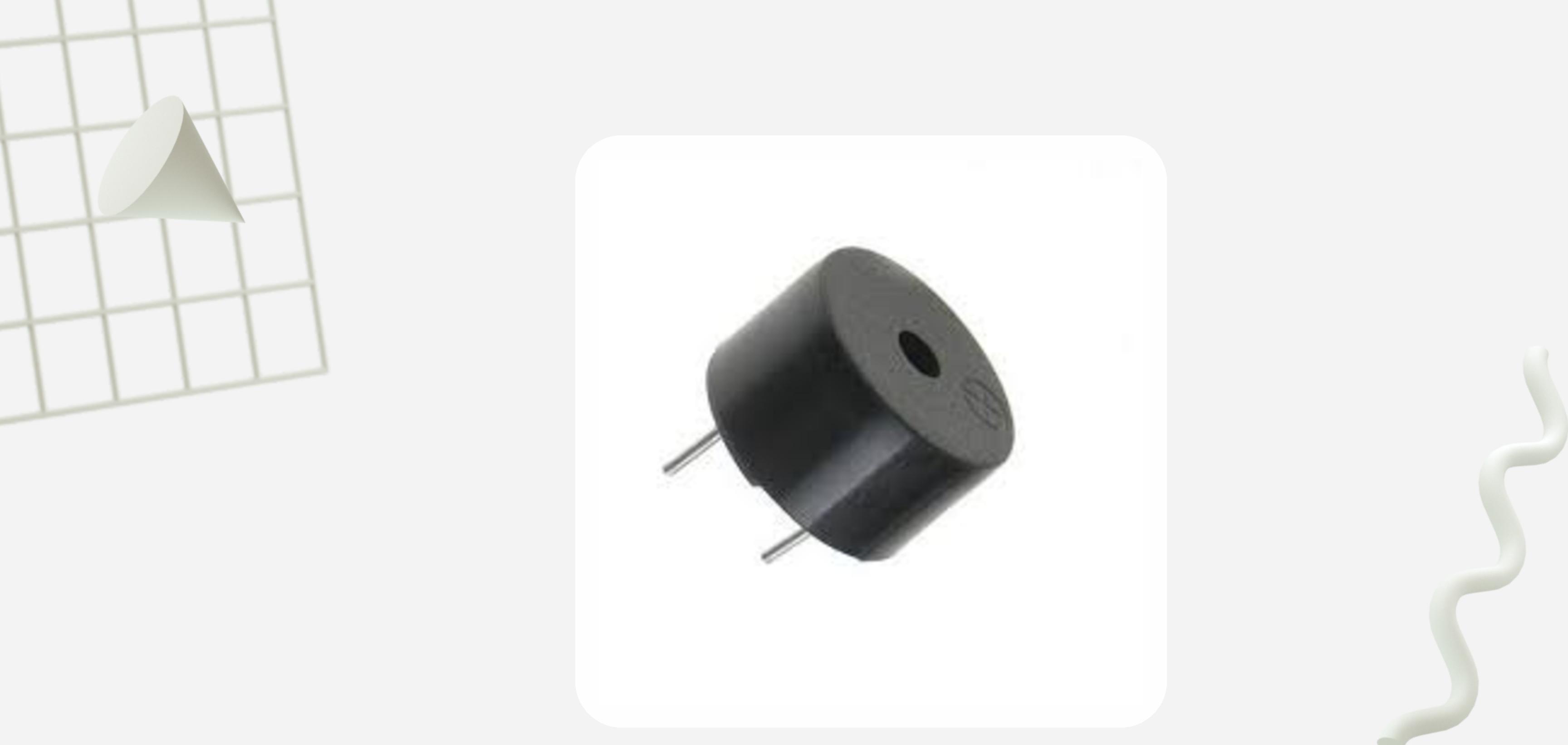




Arduino UNO R3

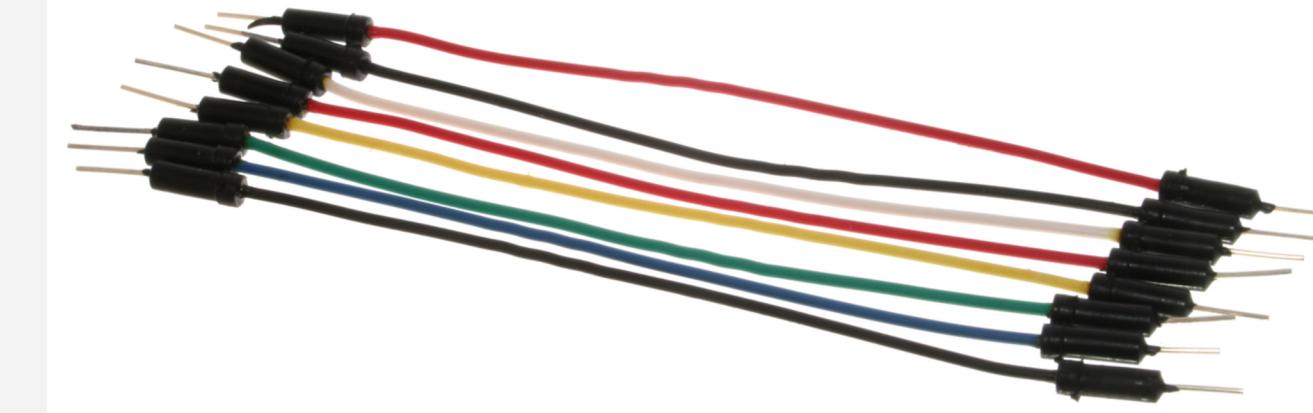


Camera Module OV7670



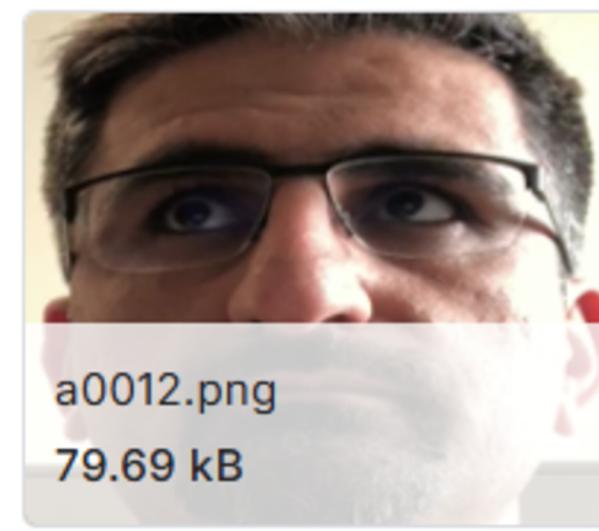
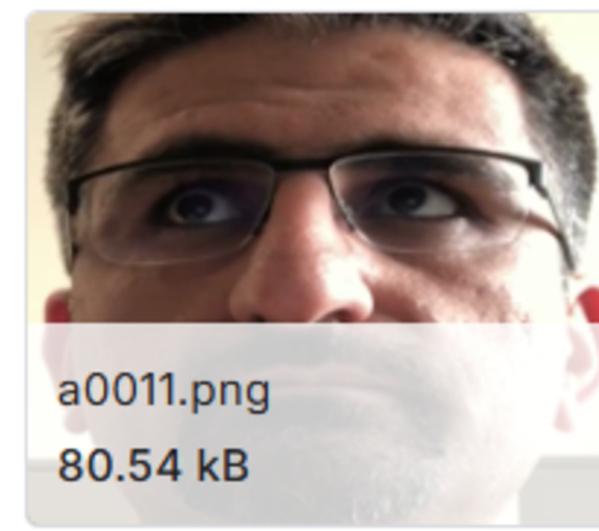
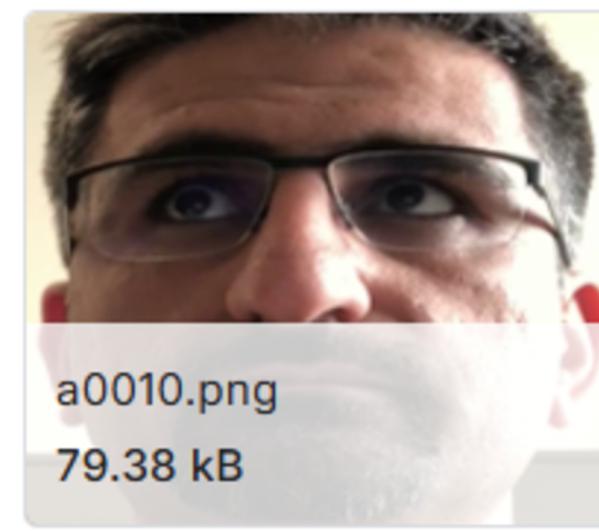
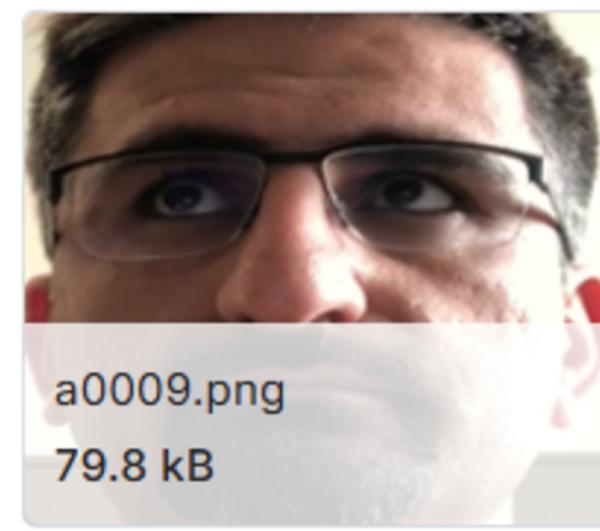
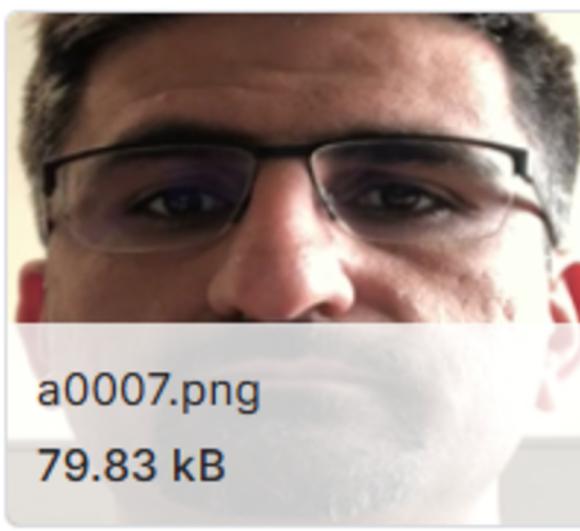
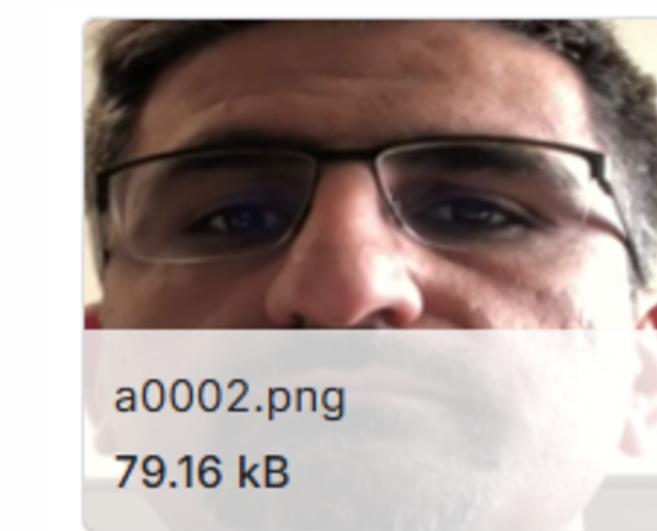
Buzzer

Power Source & Jumper Wires



Database

Non Drowsy



Drowsy



A0126.png

66.8 kB



A0127.png

66.39 kB



A0128.png

66.93 kB



A0129.png

67.36 kB



A0130.png

66.54 kB



A0131.png

67.69 kB



A0132.png

68.49 kB



A0133.png

67.72 kB



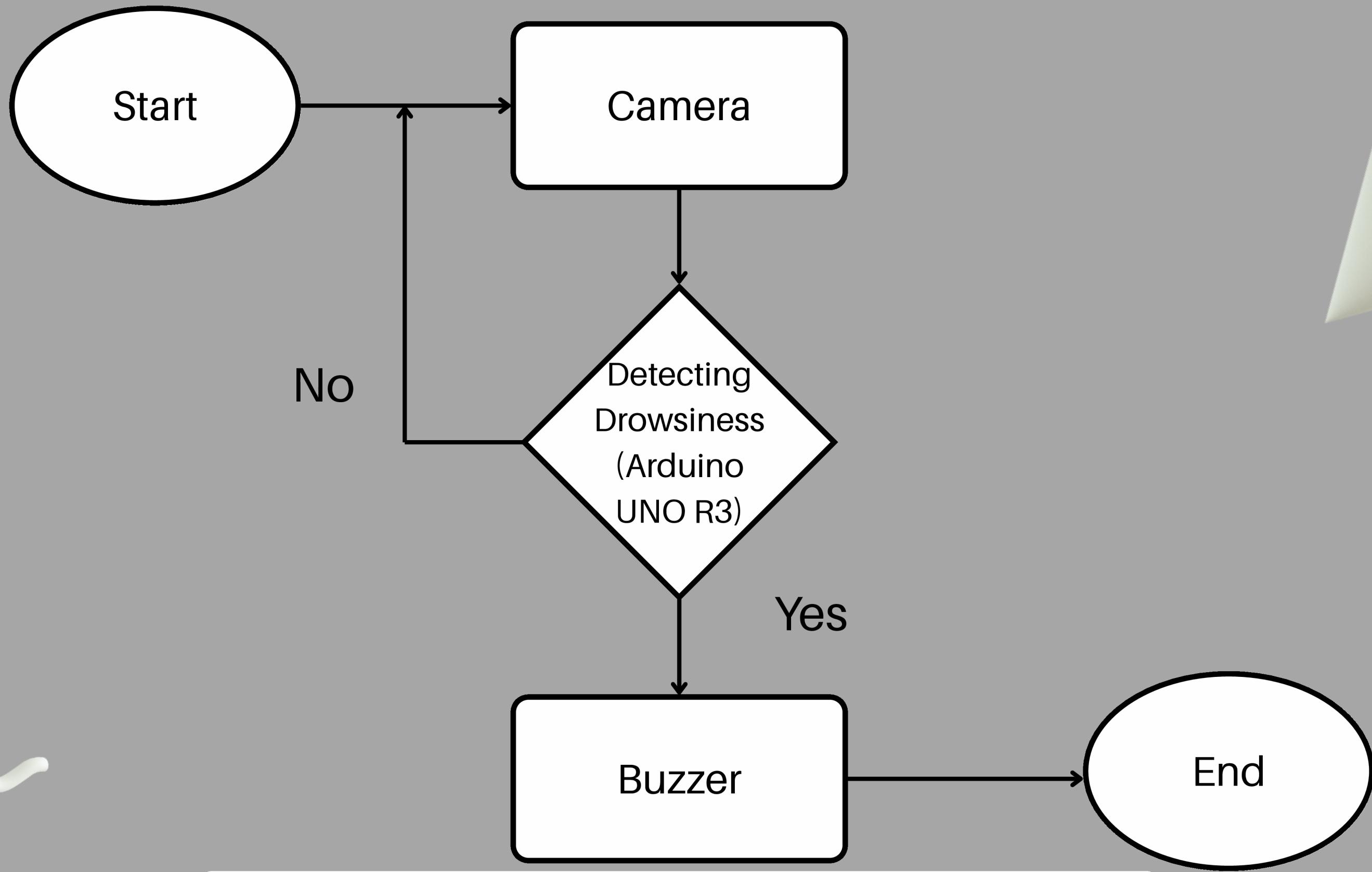
A0134.png

67.61 kB



A0135.png

67.66 kB



Detecting Eye Drowsiness (Operation Steps)

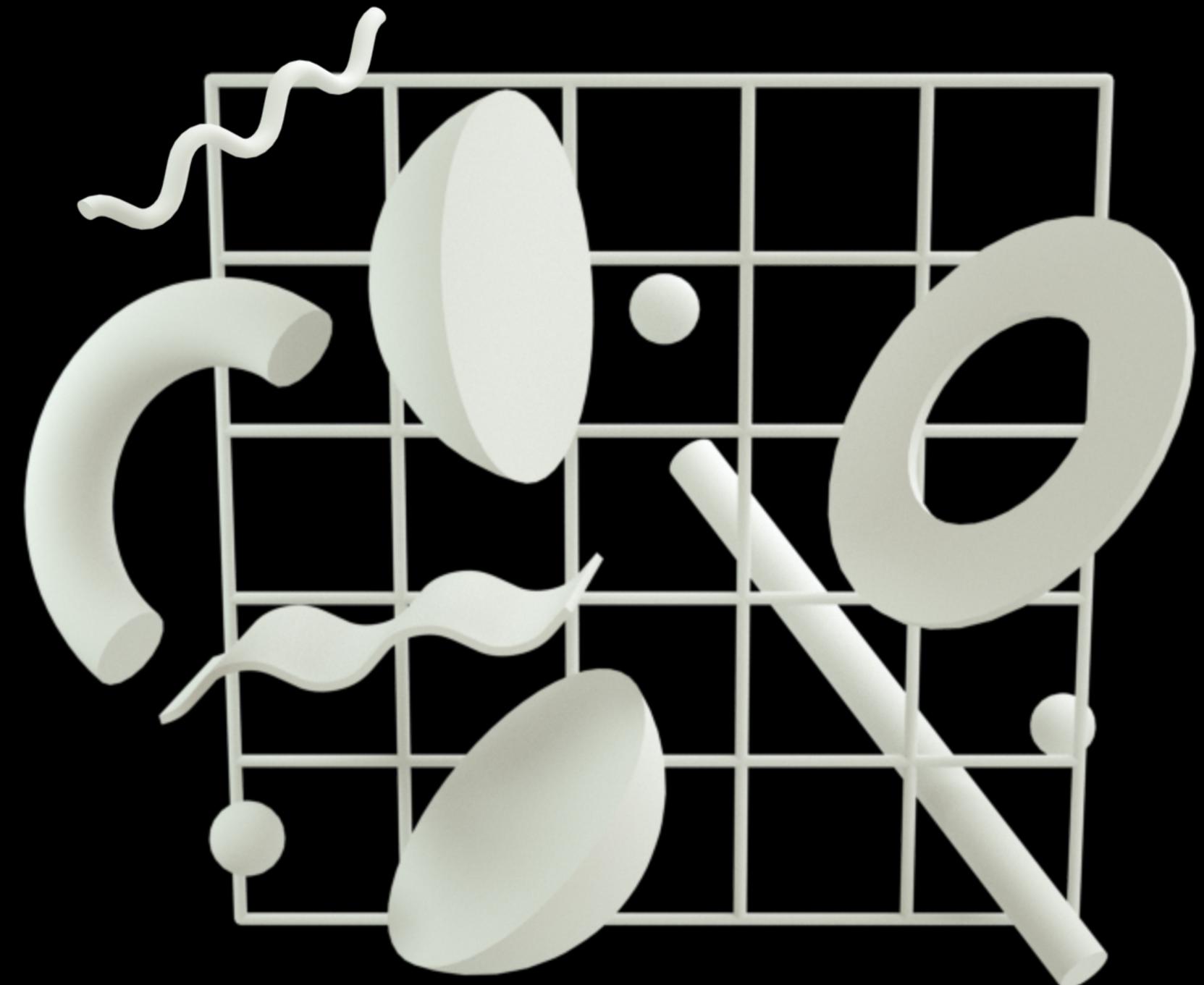
THANK YOU



The Pros and Cons of the IoT

IoT standards

Presentations are communication tools
that can be used as demonstrations,
lectures, speeches, reports, and more.





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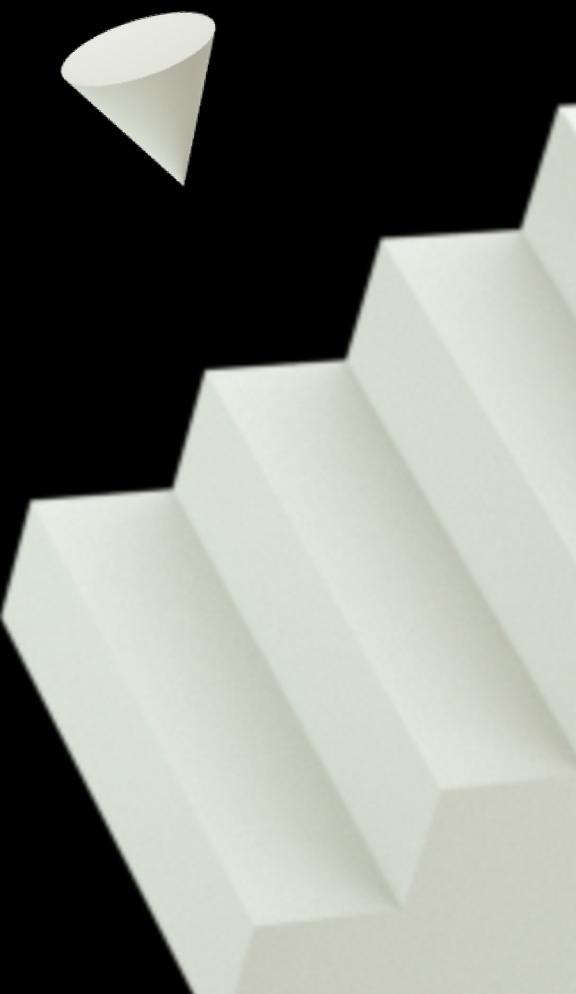


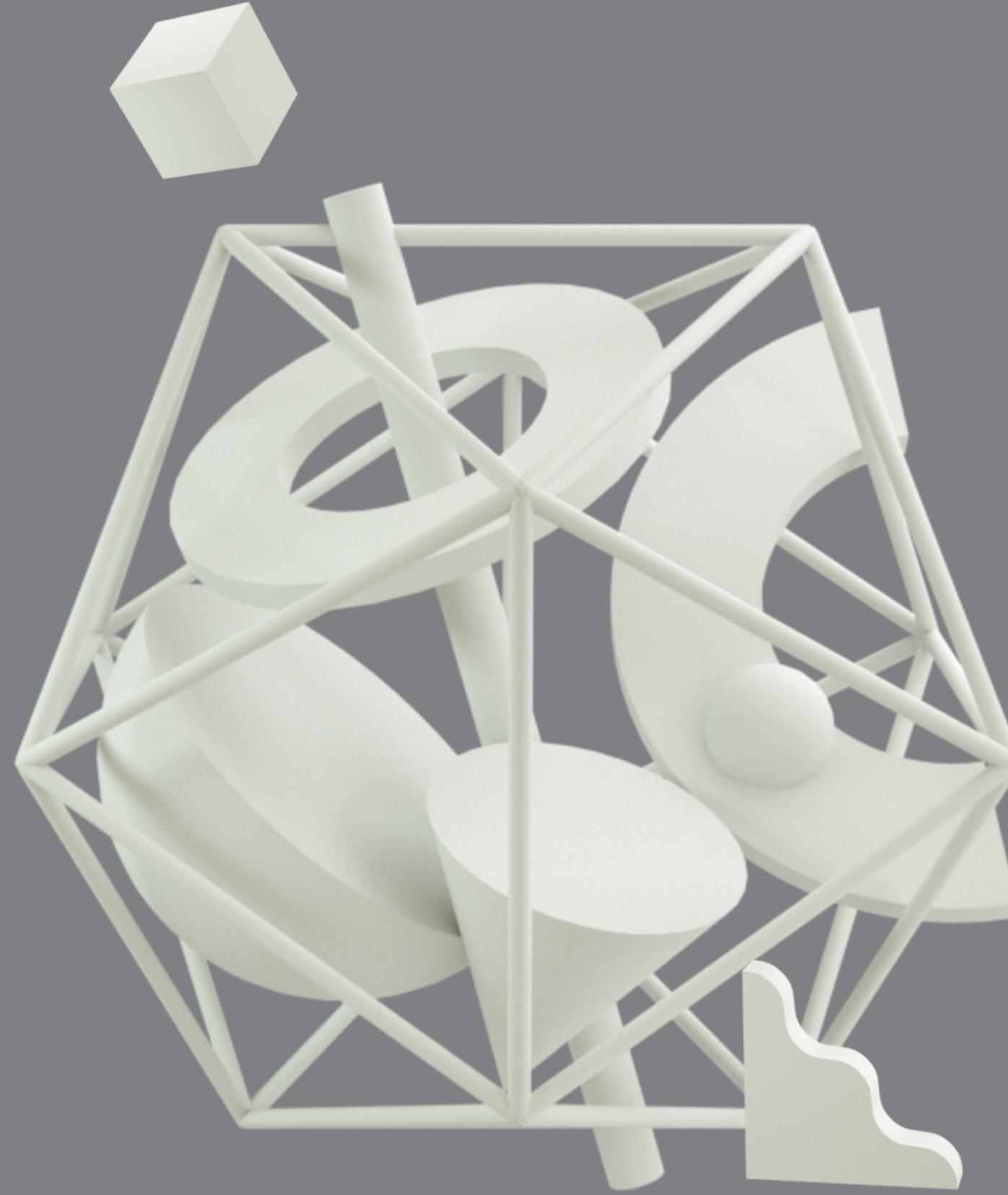
Privacy

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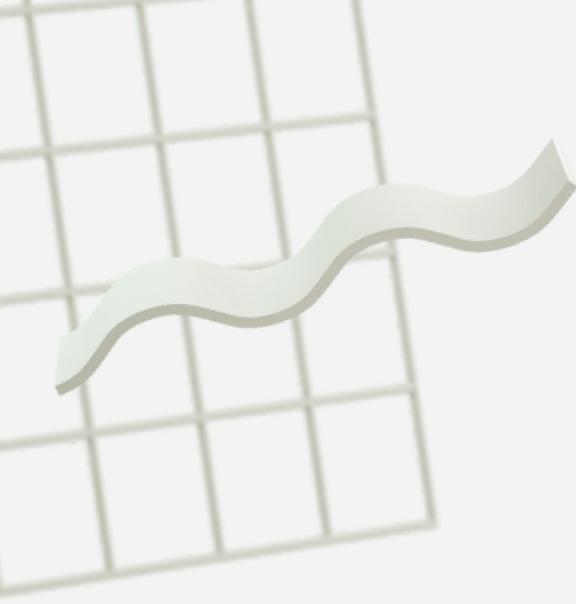
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Data storage and analysis

Presentations are communication tools that can be used as demonstrations, lectures, speeches, reports, and more.



The Future of IoT

Where to next?

Presentations are communication tools that can be used as demonstrations, lectures, speeches, reports, and more.



\$1.1 trillion

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