Workshop 1

Introduction to

INTERNET OF THINGS.

By Saswat Samal

Welcome to the IoT Workshop 1.

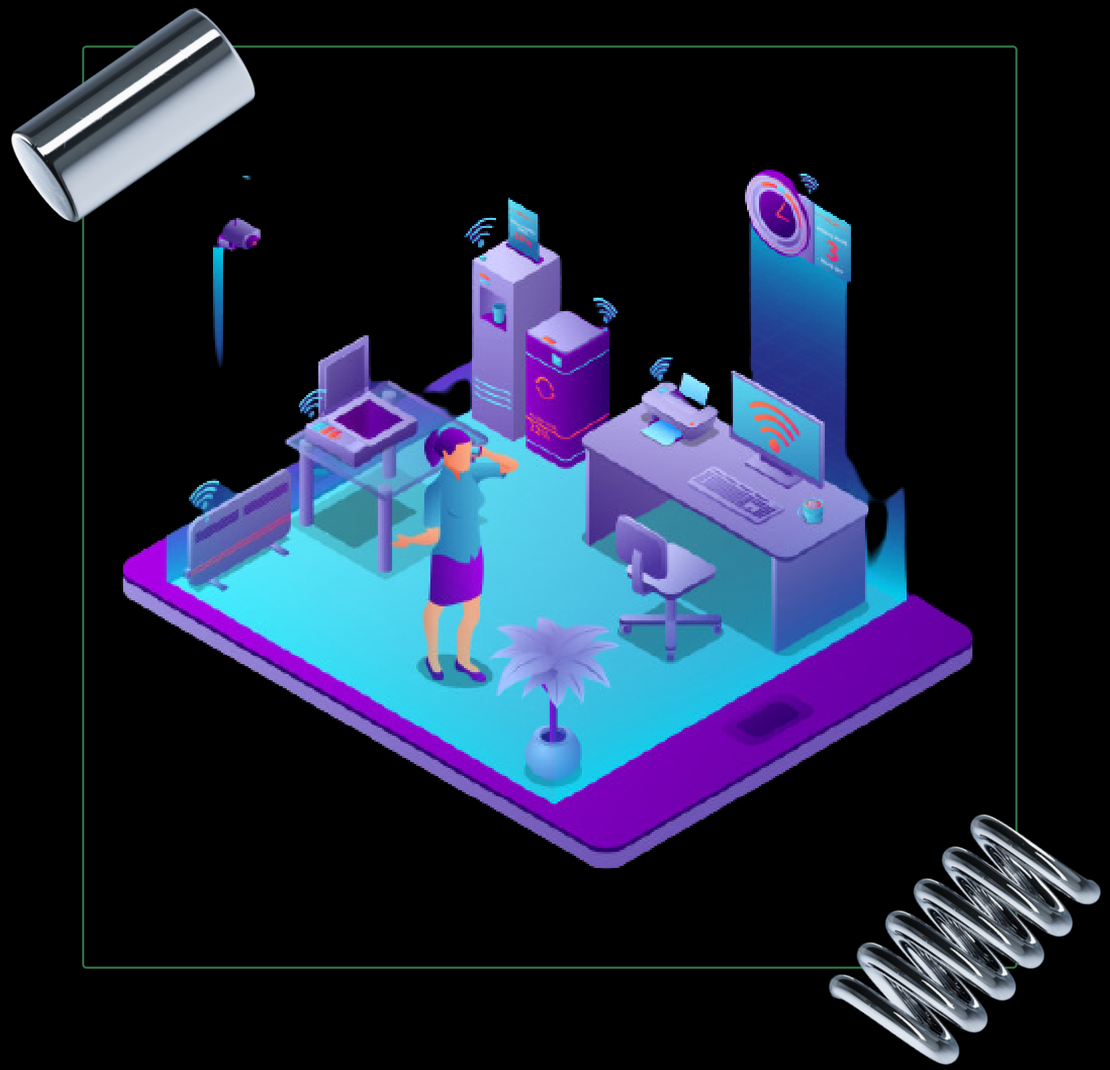
Hello Everyone!

I'm **Saswat Samal**, your host, and I will today make you explore in the field of IoT - Internet of Things.

/saswatsamal

Are you excited??

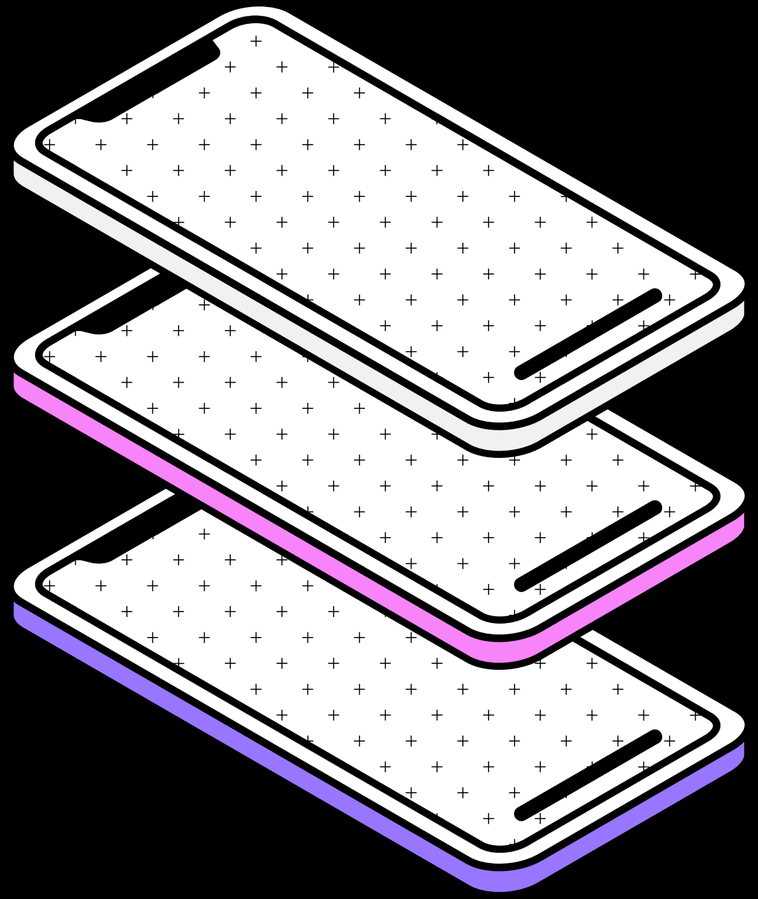
What is IoT?



WHAT IS IOT?

Pretty much any physical object can be transformed into an IoT device if it can be connected to the internet to be controlled or communicate information.

Why IoT?

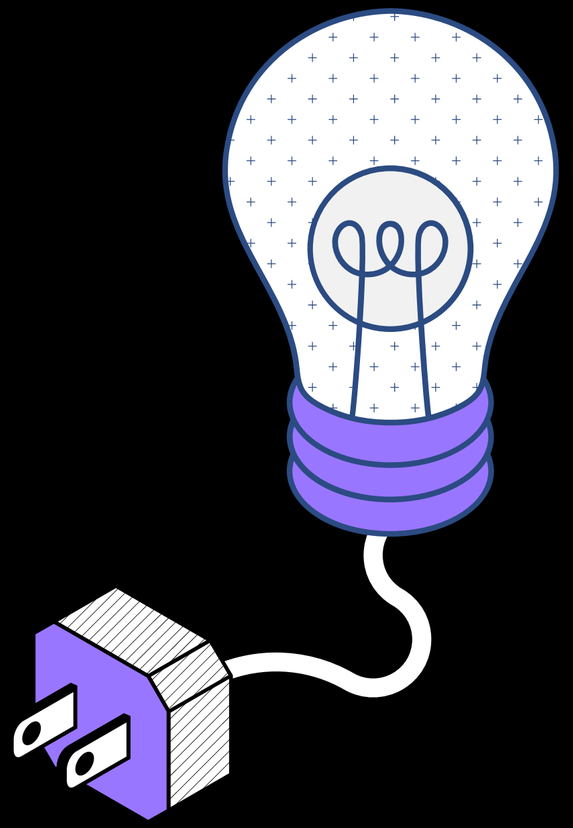


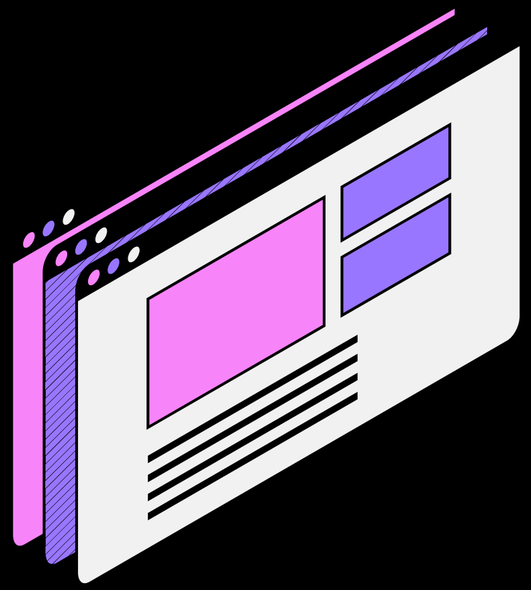

WHY? JUST WHY?

Why IoT?

No limits, except your imagination.

Every so often, an innovation comes along that leaves those without it behind. IoT is such a game-changer. Because it's not what it IoT is, it's what it has the potential to be. For businesses dreaming of new solutions, the only limits are their imagination.





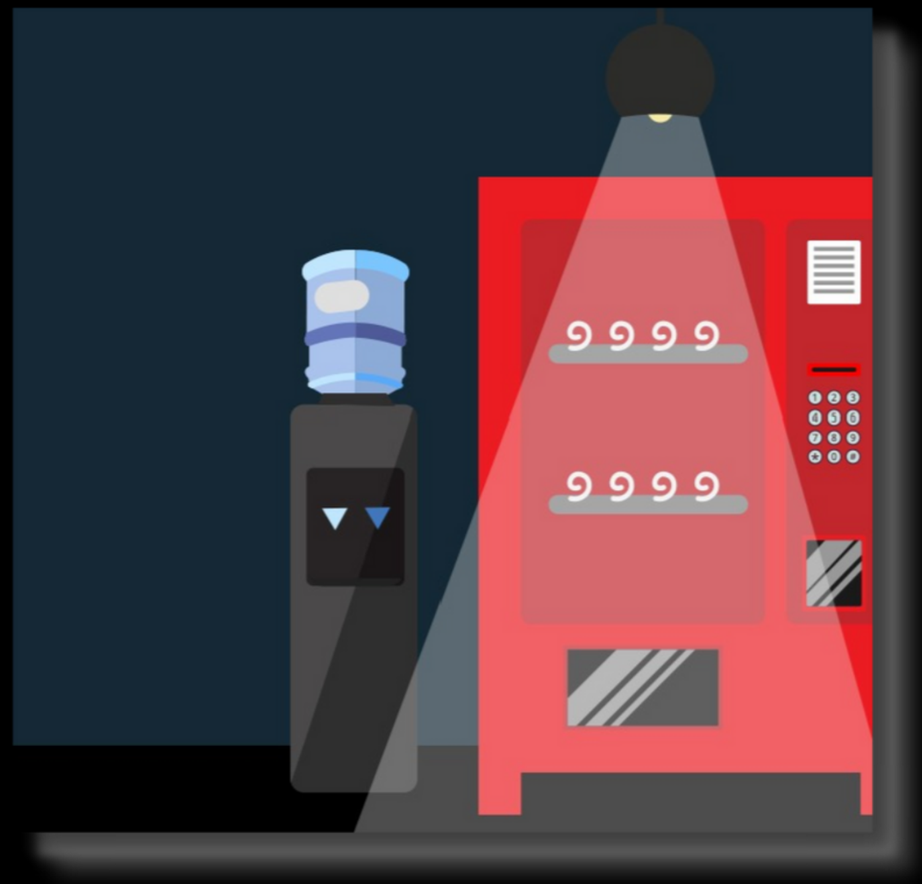
A brief history of IoT.

A brief history of IoT.

The world's **first IoT device** was invented in the early **1980s** at the **Carnegie Melon University.**

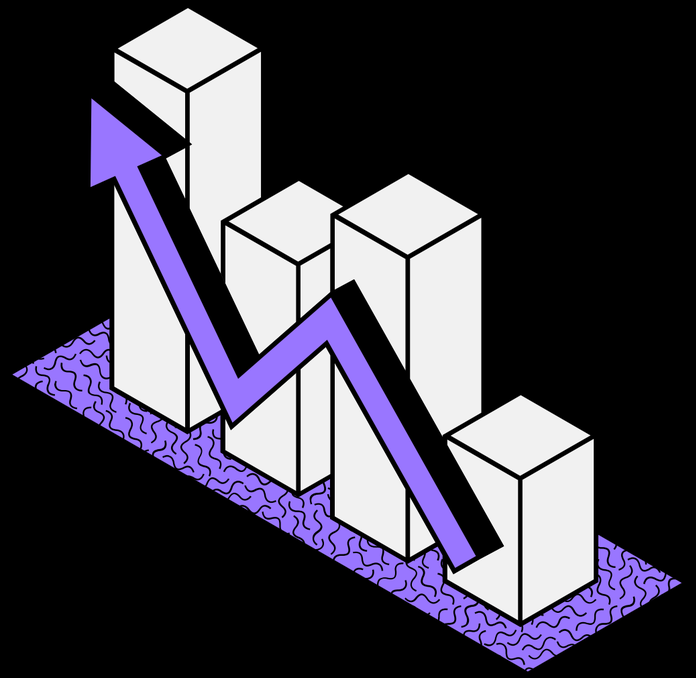
A group of students from the university created a way to get their campus **Coca-Cola vending machine** to report on its contents through a network in order to save them the trek if the machine was out of Coke.

Isn't it interesting?

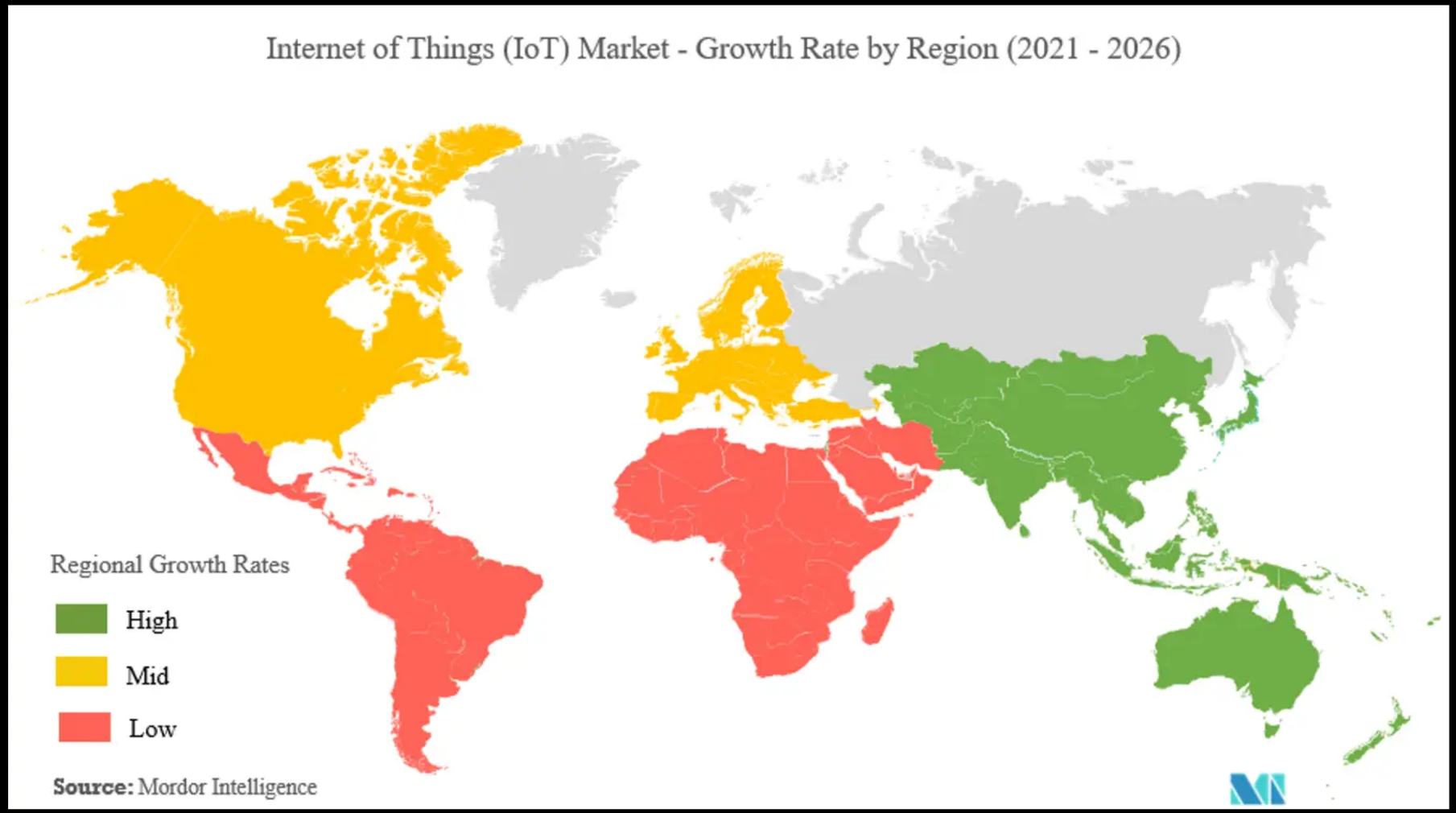


A brief history of IoT.

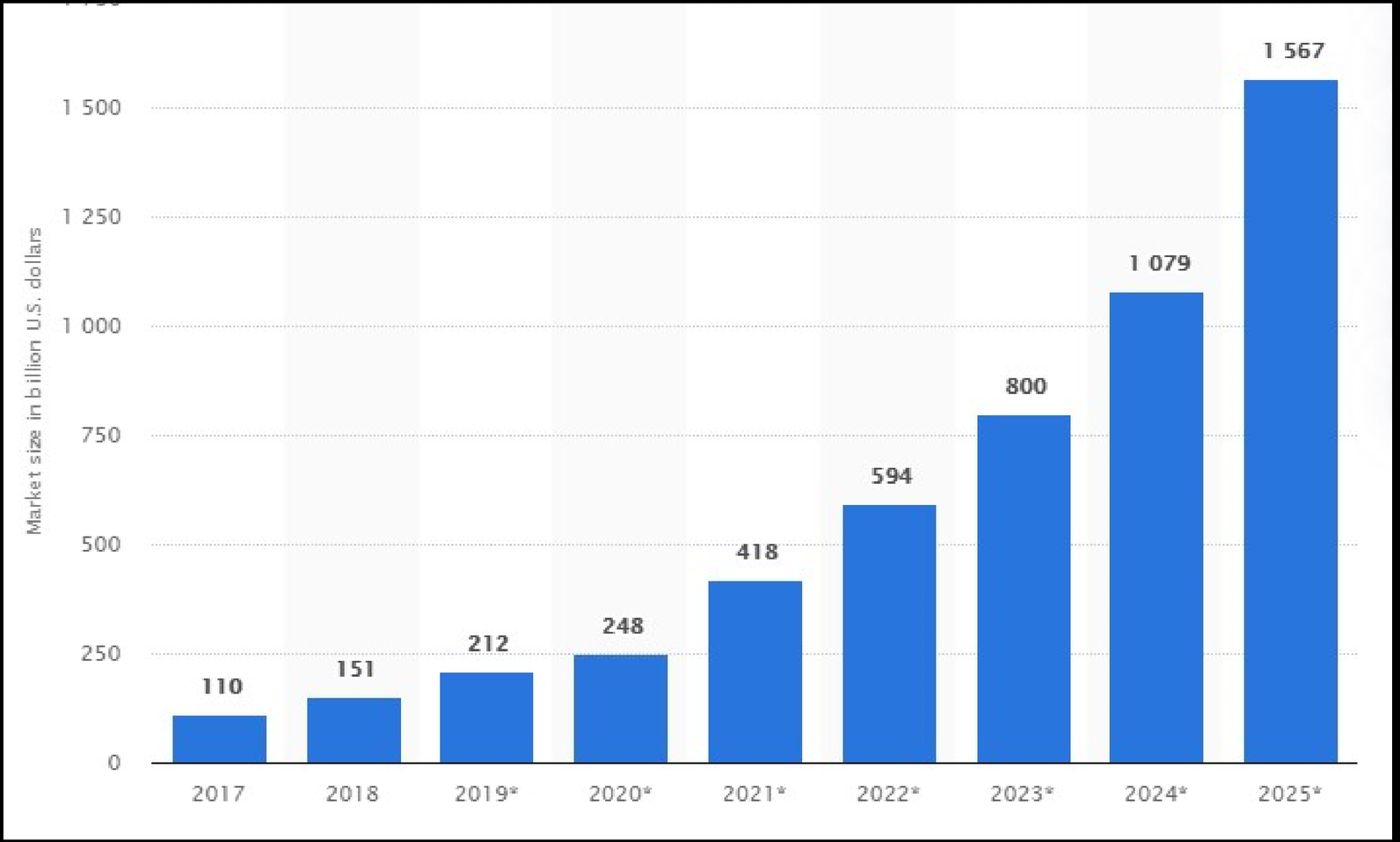
Industry view of IoT.



Industry view of IoT.



Industry view of IoT.



The Internet of Things (IoT) market is highly competitive owing to the presence of many large and small players in the market operating in the domestic as well as in the international market. Key strategies adopted by the major players in the market are product innovation and mergers and acquisitions. Some of the major players in the market are Cisco Systems, Inc., Google, Inc., IBM Corporation, Microsoft Corporation among others.

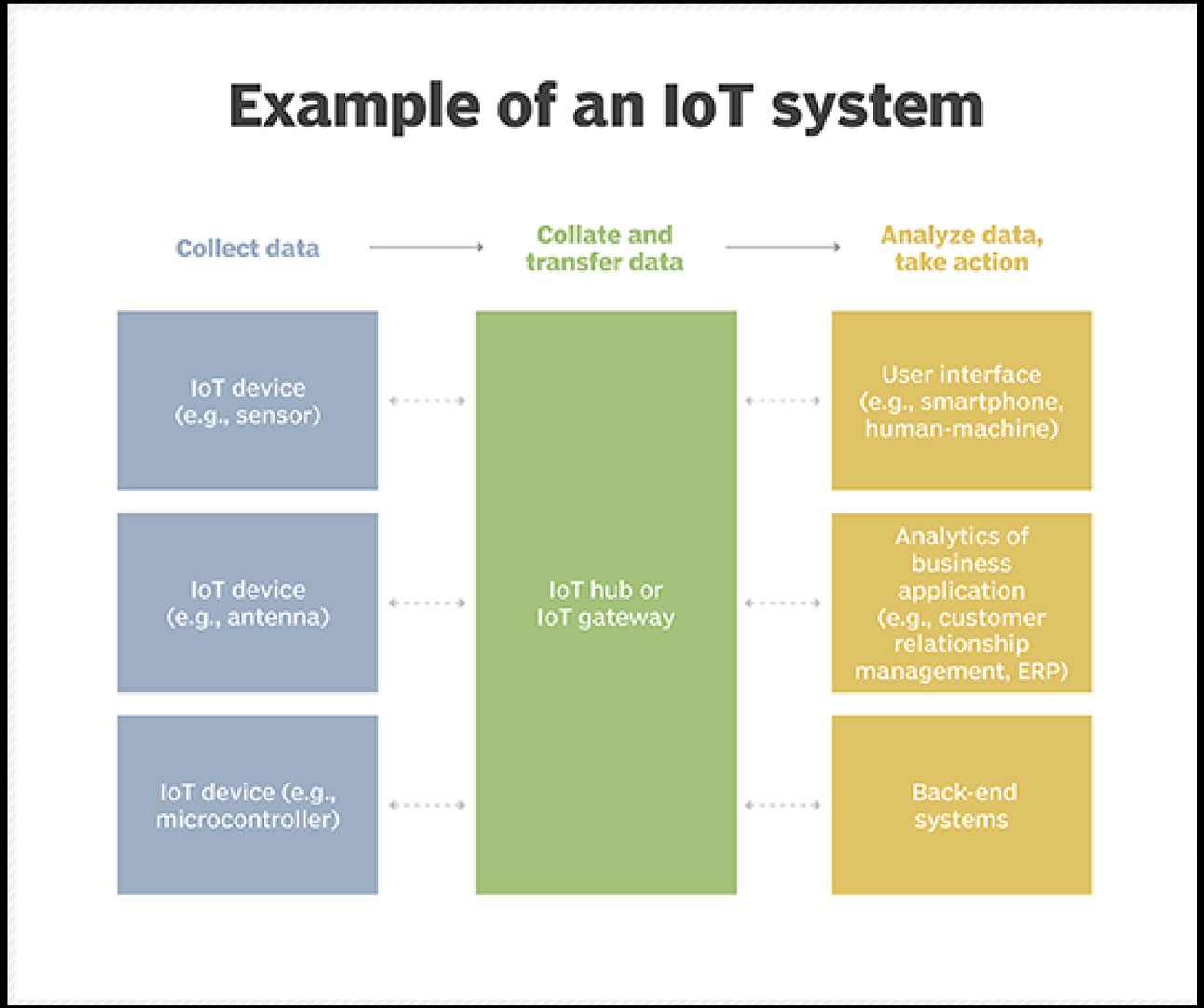
How Internet of Things work?

How IoT works?

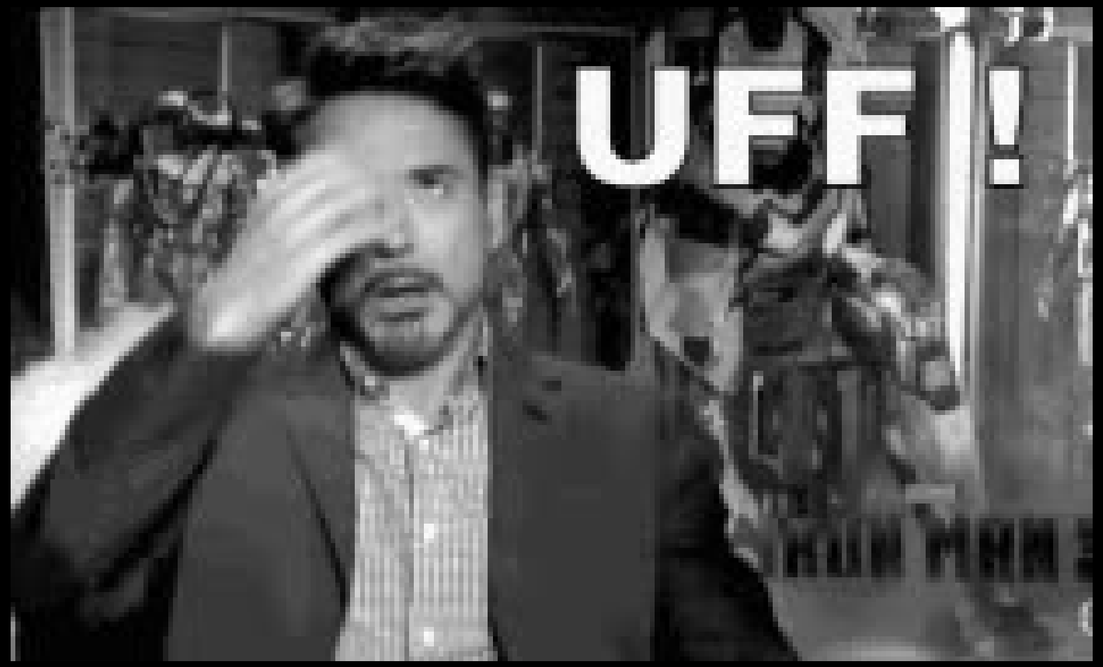
An IoT ecosystem consists of web-enabled smart devices that use embedded systems, such as processors, sensors and communication hardware, to collect, send and act on data they acquire from their environments.

IoT devices share the sensor data they collect by connecting to an IoT gateway

The devices do most of the work without human intervention, although people can interact with the devices -- for instance, to set them up, give them instructions or access the data.

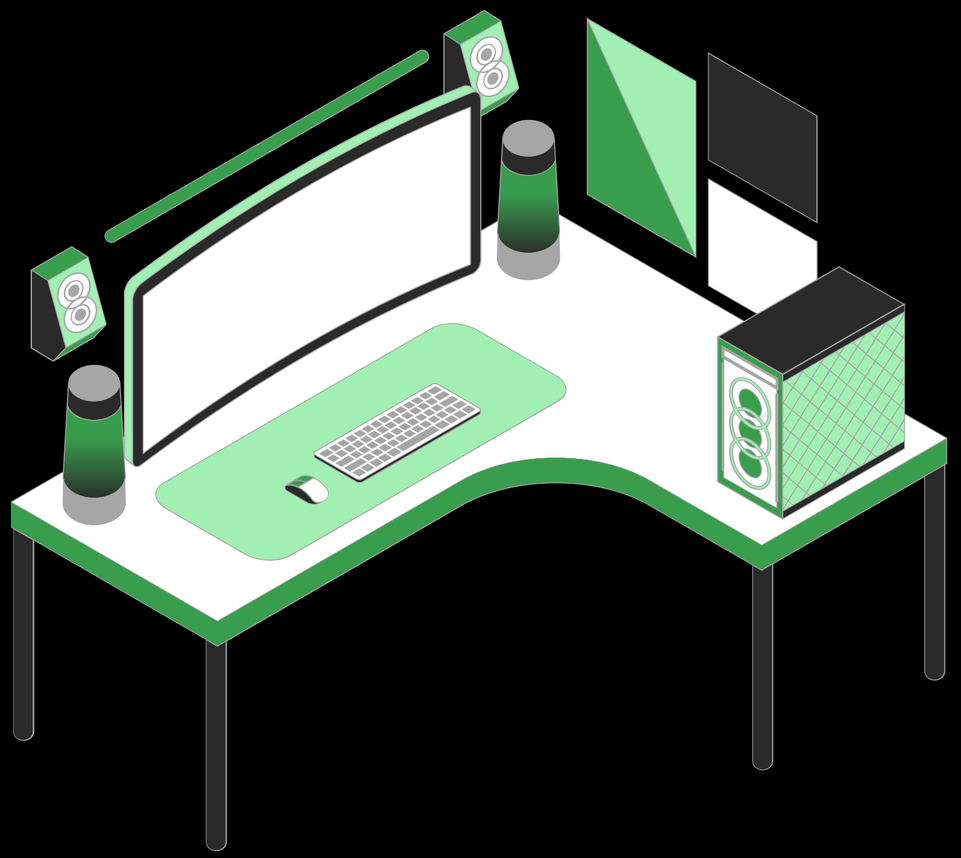


In the next workshop we will learn more about the working of IoT with hands-on project.



Uuf! That's a lot of theory, show me what we will build!

Okay Okay! That's much.
And here is the demo about
what we are going to build
in the next workshop.



Thank you!

For attending the session, see you all in the next session.

Presented by Hack Club ITER, a part of Hack Club