Exercise – 7



**Published on:** 03.06.2024

**Deadline:** 10.06.2024 – 1:59pm

**Task(s):**

You must design a simple IoT system for monitoring and controlling energy consumption in a home. The system should provide recommendations for energy efficiency improvements.

Task 1

* + It would help if you started by researching which types of appliances in a home consume the most energy.

Task 2

* + After identifying the high-energy-consuming appliances, you need to design a model of their monitoring system using design software like UML or any other modelling software.

Task 3

* + You should write a scenario demonstrating how their system can reduce energy consumption during different times of the day, especially during peak usage hours.

**Questions?:** [**etce-etce@tu-clausthal.de**](mailto:etce-etce@tu-clausthal.de?subject=ETCE Exercise Query)