

Smart-Lab and Smart-X_RV-Lab for Active Ageing (tentative)

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Universidad
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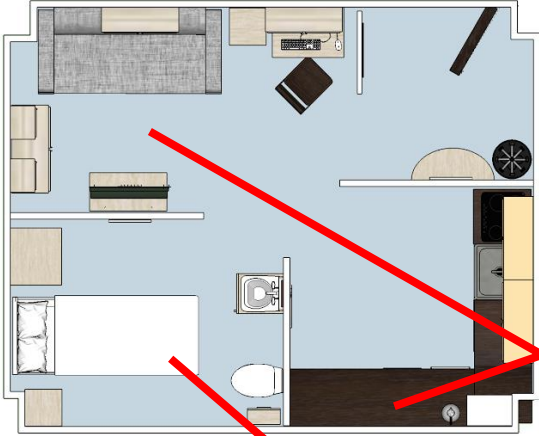


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Real Smartlab (University of Jaén. CEATIC: <http://ceatic.ujaen.es/en/node/4454>

Who We Are



- Kitchen
- Fridge
 - Microwave
 - Cooktop
 - Dishwasher



- Living Room
- SmartTV
 - XBOX ONE Kinect
 - WorkStation
 - Phone



- Bedroom
- Sink
 - Toilet
 - Bed

In recent years, the development of new technologies, the gradual downsizing of the hardware, its price reduction and connectivity have led us to see the environments where we live in a different way. Increasingly, it is more common to find smart devices, from a smart washing machine, which tells us how many degrees we put the water for our clothes, to a system that constantly monitors a person and automatically detects any anomaly. For this reason, the CEATIC has opted for the installation of an intelligent lab dependence, facilitating their researchers to study people's behavior and habits in a controlled and monitored environment. The laboratory is equipped with over 130 sensors of 30 different types, enabling us to conduct the study and monitor the people who are in it.

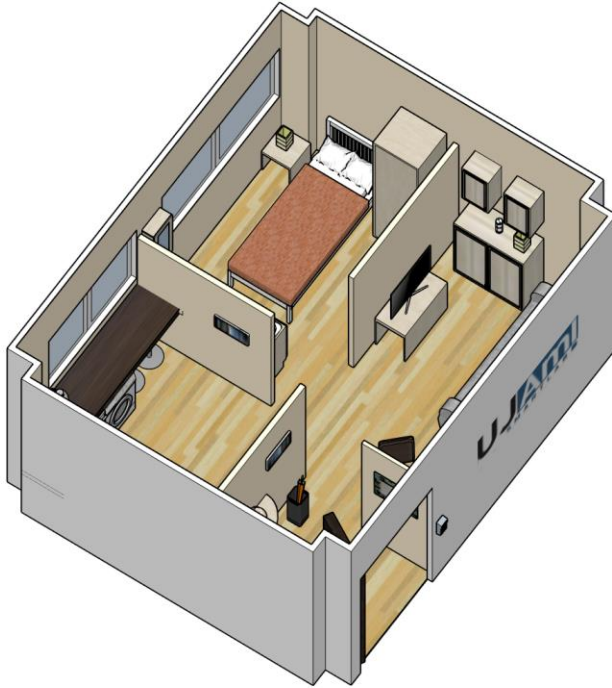
Project idea

Real Smart-lab (University of Jaén. CEATIC: <http://ceatic.ujaen.es/en/node/4454>

- Improve the Smart-lab:
 - More IoT sensors
 - Neural network to improve the experiment
 - Sentiment analysis

-To develop a “copy” of Smartlab with X-RV Technology :

- Smart-X-RV_LAB
 - Develop agents for it.
 - Develop Serious Game for Active Ageing
- Define experiments for both “labs” and compare the results:
- Use the Smart-X-RV as a tool for Active Ageing



Looking for

- A Research Partner on Machine Learning for assisted living