







## Communication

- Via dedicated Slack Channel: https://sapienza2021so.slack.com/
- Every Monday during lab hours.

### **Required Material**

- Paper-roll, markers, crayons, highlighters, sticky notes, etc.
- Arduino Kit
  - Arduino Uno or similar
  - Starter Kit (e.g., Elegoo)



#### Coursework & Assignments

- During the semester you will deliver 3 assignments.
- For each assignment you will work in groups.
  - Each group will be made up from 3 students.
  - Different groups for each assignment.
- Each assignment is about creating a Smart Object:
  - Different shapes, materials, characteristics, functionalities.
  - Different sensors, actuators.
  - Different interaction and user experience.

#### Each assignment is evaluated:

- 1. Design: Analysis, Prototypes, Aesthetics.
- 2. Research & Experimentation.
- 3. Interaction, Technology & Integration.



# Delivery of Assignments & Marking

- Each assignment is marked from 0 ...6.
- Each group will deliver:
  - Before the delivery day:
    - 1. The paper-roll with all the designs in digital format (PDF)

#### During the delivery day:

- 1. The final prototype for demonstration.
- 2. A 60 seconds VIDEO of the final prototype, available on YouTube (public).
- 3. A poster (printed).
- Support their design choices with critical thinking and answer questions.
- All marks are announced at the end of the day.
- Each group gets 1 mark.







(D) (0) (2) (2) (2)

## Final Mark

Students are examined individually.

#### During the exam

- 1. Organize three tables, one for each assignment.
- Each table will present the evolution of the analysis, concepts and final design for the assignment.
- 3. All the material produced.
- Support their design choices with critical thinking and answer questions.
- Students may decide to try to improve one of the deliveries.
- Final mark
  - The 3 marks of each assignment.
  - The mark of the final presentation.
  - +/- for participation during laboratories.
  - +/- from changes made during final exam.



