Initial project proposal

Ángel Oroz and Beñat Solaegui

Main idea: Face-following light system

Behavior:

- Face detection

- Different light perspectives

- Face illumination

- Moving robot

Needed Extra Hardware:

- Camera

- Robotic arm

- Light

Possible Extensions

Sound intensity-based control:

- Microphone needed

- Modify light intensity

- Switch light color

- Robot motion

- Robotic arm movement

Different light colors:

- Motorized color wheel in front of light source needed

- Switch manually, sound-based or by analyzing facial expressions

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