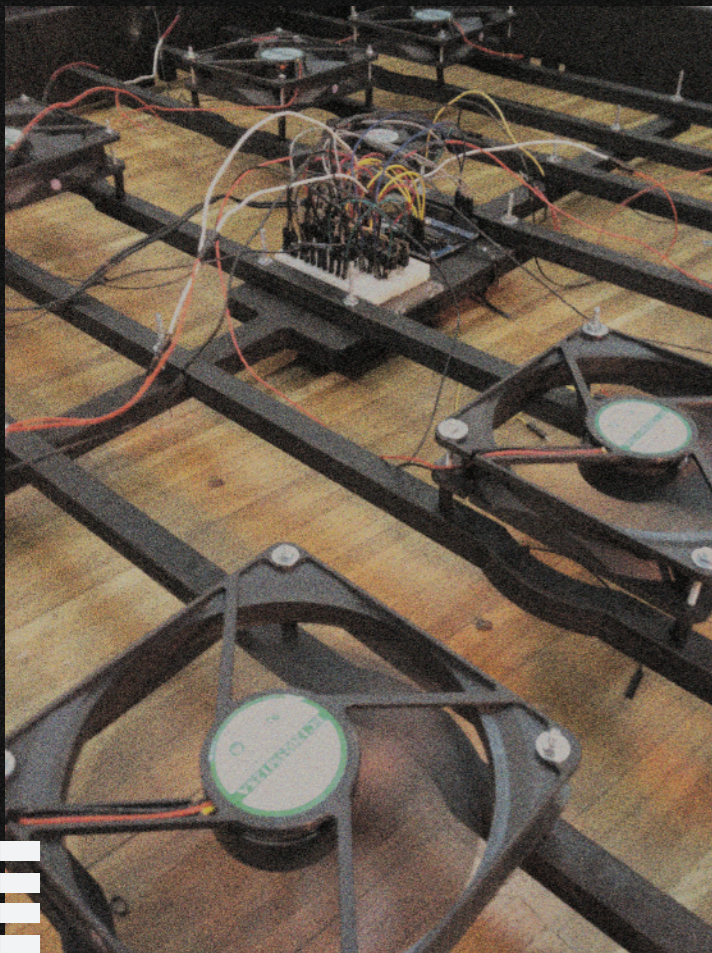


PHYSICAL COMPUTING

INTERACTIVE PHYSICAL SYSTEM

Into a given square frame, we designed a responsive system to the luminosity of the surrounding space according to which, the mechanism is activated. More specifically, we used 4 luminosity sensor, assembled on an Arduino Uno prototyping platform, which are recording the luminosity of the space and due to the measurement they are giving a True signal to the actuators which in this particular case are 8 fans which are starting to blow on a removable cloth in order to reform the final surface according to light conditions.

Mechanism [E]



Fan Power	12v	<div><div></div><div></div><div></div><div></div><div></div></div>
Fan Current	0.28A	<div><div></div><div></div><div></div><div></div><div></div></div>
Fan Dimension	15cm	<div><div></div><div></div><div></div><div></div><div></div></div>
Arduino	01	<div><div></div><div></div><div></div><div></div><div></div></div>
Cables	2m	<div><div></div><div></div><div></div><div></div><div></div></div>
Light sensors	04	<div><div></div><div></div><div></div><div></div><div></div></div>

SYSTEM DETAILS

- _arduino uno microcontroller
- _mini photocell GL 5528 / Light - Dark resistance : ~1k Ohm / ~10k Ohm
- _breadboard
- _fans evercool / 12 v / 0.28 A / 15cm
- _mosfet irf510
- _resistor 10 k

