Maryam Alabdulhadi – Weiam Abed "Collaborated Work"

3'rd Main Task in Mechanical department.
Build a robot on Cinema 4D and design the eyes:

Morphological analysis

Main elements	Sections			
Number of eyes	1 eye	2 eyes	3 eyes	jointed
Type of eye	Realistic	Animated	robotic	Dots
material	Plastic	Fiberglass" Screen"	Hard Paper "Painter	LED
Eye Color	Green	Blue	Rainbow "Changed"	Red
Shape of eyes	Circle	Oval	rectangle	Mix of shapes
Movement of eyes	Open all the time	Open and close every 10 seconds	Open and close by choice(command)	Open and closed depend on the robot responses

Our choice is the following:

Number of eyes : 2 jointed eyes

Type of eye: Animated

Material: Fiberglass" Screen"
Eye Color: Rainbow "Changed"
Shape of eyes: Mix of shapes " Circle and rectangle combined"
Movement of eyes: Open and close every 10 seconds + Open and closed depend on the robot responses

Reason: We chose the animated screen for the robot eyes to make it more fun and futuristic, also the screen will change the shape of the robot's eyes to show more emotions depending on the event, this will allow the robot to connect with the viewer in a fun and emotional level and deliver the best quality and achieve its goal of communication.

Note: we designed the robot eye to give you a better idea of what we imagined, please check the attached photos ☺.

Thank you.