ALEXANDRIA UNIVERSITY
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DECOR DEPARTMENT

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# OASIS SHELL PAVILION

3RD YEAR \INTERIOR ARCHITCTURE DESGIN

## CONCEPT

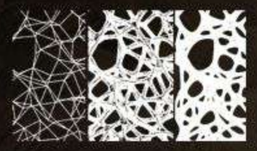
"THE PAVILION IS INSPIRED BY ORGANIC SHELL
FORMATIONS AND FLUID NATURAL FORCES, CREATING A CONTINUOUS FLOWING
STRUCTURE THAT WRAPS AROUND SPACE,
OFFERING BOTH ENCLOSURE AND OPENNESS THROUGH DYNAMIC CURVED SURFACES."

## SKETCHES


## CONSTRUCTION METHOD

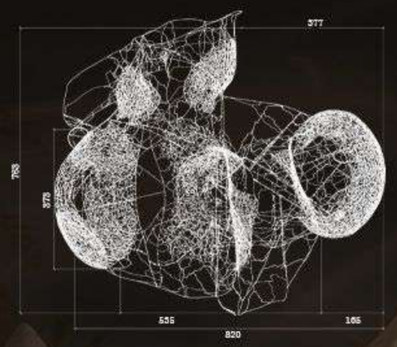
STEEL STRUCTURAL FRAME
GLASS REINFORCED CONCRETE (GRC) PANELS
STEEL BRACKETS AND ANCHORS
THERMAL INSULATION LAYER
SEALANTS FOR JOINTS
SAND-COLORED FINISH / PIGMENTED COATING

## COLOR SCHEME



## 3D PROJECTION

### TOP




### ELEVATION


### RIGHT

## 3D NIGHT SHOTS

## 3D DAY SHOTS

| MAQUETTE MATERIAL | SUGGESTED REAL MATERIAL |
|---|---|
| PAVILION MAIN FORM 3D PRINTED MATERIAL (PLA / RESIN / ABS) | MAIN STRUCTURAL FRAME STEEL FRAME / SPACE FRAME |
| PERFORATED SECTIONS INTEGRATED 3D PRINTED STRUCTURE | ALTERNATIVE STRUCTURAL FRAME GLULAM TIMBER / LAMINATED WOOD |
| BASE PLATFORM WOOD | SMOOTH OUTER SHELL GFRC (GLASS FIBER REINFORCED CONCRETE) |
| GROUND DETAILING / TOPOGRAPHIC LINES CNC-CARVED WOOD | ALTERNATIVE OUTER SHELL GRP / FIBERGLASS |
| | TENSILE OUTER MEMBRANE ETFE / TENSILE FABRIC MEMBRANE |
| | PERFORATED SECTIONS CNC-CUT ALUMINUM PANELS |
| | ALTERNATIVE PERFORATED SECTIONS 3D PRINTED GFRC PANELS |
| | ADDITIONAL PERFORATED OPTION LASER-CUT GRC SHELLS |
| | FLOORING CONCRETE / TERRAZZO / STONE FINISH |

## MAQUETTE NIGHT SHOTS

## MAQUETTE DAY SHOTS