

Spiral garden

Our group leader, Hajer Alibrahim, is a collaborative sculpture artist who loves to play with kids and make informational interpretations to help kids and families enjoy their time, one of our members, Falih Aldosary, is a 3D and VFX artist who designs motion graphics and 3D molding, and another member, Munzir alradi, is a mechatronic engineer and digital fabrication expert who loves to make engaging light art.

The concept for this project Saudi pattern came from Hajer, who as a child would always gaze at forms and appreciate the feeling in each one, particularly if they were related to tripe, city, nature, and people. Hajer comes from a family who collects antiques from their grandparents and displays them as works of art. Hajer's effort to draw digital many patterns from culture and family and print them on fabric and clothes since she grew up living in many places and always leaving home, so she wants to transfer this love of pattern to all youngsters in Saudi Arabia in an interactive playground.

Faith turned the painting into an interactive movement, and Munzir tracked the motion with a camera to come up with a fresh idea. The group meets together during the day to establish links between them, which is the Saudi pattern's objective.

Spiral Garden is the name of the project, which is a location where families may enjoy interactive play. It's a garden with a children's playground where the forms of Saudi patterns are blended in a spiral. Imagine going to a playground and seeing various forms of slide, swing, climbing, and other activities. At the same time, as you play with each shape, a light pattern appears on the floor based on the player's actions. If you play with a lot of interaction, the pattern on the floor will become a lot of patterns. The pattern is derived from the form itself, as well as from the projector and camera attached to the item. If you're playing in the Sadu symbol, for example, the floor around you will be covered with Sadu.

Additionally, the children's interactive voice changes to three different colors. If you stop talking, the pattern will change to a dessert color, the regular sound will change to a flower color, and the loud sound will change to a wave color. As a group, we decided to turn our culture and voice into an engaging playing place by talking about our children and how they love the playground. We also decided to teach them shapes in the Saudi culture in a fun way. This patterned garden depicts the history and beauty of our culture as well as the future of our lives, creating an interactive piece in the hopes of giving our nation a beautiful identity around the world.

Furthermore, by utilizing artificial intelligence to generate a new inscription for the kingdom by feeding the machine learning from the inscriptions of all areas of the kingdom and asking the machine to invent the new pattern for intelligent cities, all patterns will be transformed into a new pattern. The playground is shaped like a spiral with five levels, each of which contains a play from our culture. To expand the playground's creativity, we considered what the next pattern for Saudi Arabia might be, so we decided that the fifth level would be generated by artificial intelligence, which would do so in an unpredictable manner