



Bahria University
Discovering Knowledge

FINAL YEAR PROJECT REPORT

**VIRTUAL DECOR AND FURNISHING USING
AUGMENTED REALITY**

In fulfillment of the requirement

For degree of

BS (COMPUTER SCIENCES)

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VIRTUAL DECOR AND FURNISHING USING AUGMENTED REALITY

ABSTRACT

The project "Virtual décor and furnishing using augmented reality" is based on a concept to apply different paints and graphical textures on walls. It assists to visualize the colour and textures on desired walls before it will paint in actual.

We developed an application named "Wall Paint Visualizer and Texture Mapping" which is android based application reflecting the concepts of texture mapping and augmented reality. The application provides two options one is color and other is graphical texture. User can easily download the application in android phones. They can capture the wall where they want to apply paint or textures through cell phone camera and then choose paint and texture through application and then apply on desired wall. The wall is painted with the chosen colour or texture. User can see the effects in painting and can make decisions in order to decide the appropriate colours for painting for their rooms.

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