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TILE DESIGN RECOMMENDER SYSTEM FOR HOUSE
CONSTRUCTION

A Project Initiation Document by

Thavisha Kariyawasam

Supervised by

Mrs. Theja Perera

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Abstract

People are always trying to choose or buy something by themselves, because they can check the quality of the product before buying. But due to the busy schedule of the day today life, people tend to buy things quickly without concerning the quality of products. And most the time they are seeking help from others to buy the perfect one. Even though it helps to save their time, they are unable to purchase the good which is most suitable for them and with their ideas.

These kinds of problem arise when choosing tiles for newly built house. Because people have to ask help from the employee at the shop or ask from interior designer to choose tiles due to busy life. If someone take advice from interior designer it cost a lot. On the other hand, when someone ask help from the employee, it doesn't cost but it wouldn't be same as your preference because the employee have no idea about the newly built house and your references. Because there are a lot of factors that people consider when choosing a tile personally. For instance, no matter how suitable the tile, you consider its price. And also looks at the color of the walls, the location of the tiles, and the color of the tiles etc.

Imagine how it will be convenient if there is a system which can provide details or make recommendations about suitable tile type and the quality of tile ones you input your requirements. So, this research paper discusses how to create a Deep Learning Model using Keras to create this tile recommendation system. Deep Learning is a key component of machine learning and artificial intelligence.

Keywords: - Deep Learning, machine learning, recommendation system, artificial intelligence, Keras