Assignment - 1

Title - Custom Tailored Clothes Preview Before It Got Stitches.

A)Executive Summary

In today's world, clothing plays a very Important role in our daily lives. People have various preferences, ranging from **ready-made** garments to **custom-fitted** clothes. Often, customers choose fabrics and visit **tailors** to have their clothes stitched, but they lack an idea of how they will look in their chosen outfits and fabrics. This issue is particularly evident with specially designed garments such as sherwanis, kurtas, and wedding suits. My project aims to solve this problem with an innovative solution,

B)Project Description

The project proposes the development of an **AI-enabled system** that allows users to visualize how they will look in specific outfits before they are tailored. By feeding the system with data such as the user's measurements (height, body dimensions) and a full scanned image of their body, the AI will generate a realistic preview of the user wearing the chosen outfit and fabric. This will help users make more informed decisions about their custom clothing choices.

C)Project Scope

• **Data Collection:** Gather user measurements and full body scans to create accurate 3D models.

•**AI Development**: Develop an AI system capable of rendering realistic previews of users in selected outfits.

• **User Interface**: Design a user-friendly interface where users can input their data, select fabrics, and view the generated previews.

• **Customization Options**: Allow for various customization options such as different styles fabrics, and accessories,

• **Implementation and Testing**: Implement the system and conduct thorough testing to ensure accuracy and reliability.

• **Market Launch**: Launch the system in the market, targeting tailoring shops, designers, and individual customers.

By implementing this AI-enabled system, we aim to revolutionize the custom clothing industry. providing users with a clear visual representation of their outfits and enhancing their overall satisfaction with their clothing choices.