EmpowerFashion: Bridging Skin Tones with Style through Dress selection System(DSS)

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ABSTRACT:

The Dress Selection System (DSS) is an innovative web application designed to simplify the often complex and overwhelming task of choosing the perfect dress colour based on an individual's unique skin tone. DSS leverages advanced image processing and machine learning algorithms to analyse the user's skin colour, providing personalised dress colour recommendations. By offering a virtual colour palette tailored to each user's complexion, DSS bridges the gap between fashion and personalization, ensuring that users not only look their best but also feel confident in their clothing choices. The system integrates real-time fashion trends, enabling users to stay stylish and on-trend. With interactive features for saving favourite colour combinations, sharing looks on social media, and receiving fashion tips, DSS engages users and fosters a sense of empowerment in their fashion decisions. This project aims to revolutionise the way individuals approach fashion, embracing diversity in skin tones and promoting a more inclusive and confident fashion experience for all.

Keywords : DSS, perfect dress colour, user's complexion, skin tone analysis, fashion trends, personalization, fashion tips, clothing choices, machine learning algorithm.

I.   INTRODUCTION

Introducing 'EmpowerFashion: Bridging Skin Tones with Style through DSS,' a groundbreaking project that is set to redefine the way individuals approach and enjoy fashion. In a world where personalization and inclusivity are increasingly valued, our innovative web application, the Dress Selection System (DSS), is at

IOT BASED-Sewage Blockage Detection System

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Abstract: Sewer system monitoring is important to keep the city clean. Irregular monitoring of the sewage system leads to obstruction of drainage.
Sewer blockages are the main causes of sewer flooding and pollution. Sometimes, out of ignorance, workers may encounter an accident as they may not be aware of the conditions inside the manhole. This document represents an experimentation of the smart sanitation system using IoT.
In this model, a water pump motor, transformer, microcontroller and IoT module is used to obtain the desired output from the module.

I.   INTRODUCTION

Sewage system plays a crucial role particularly, especially in large cities. The world is rapidly becoming smart cities, but the problems encountered are still those of the primitives. The modern world is in great need of modern advances and sophistication in its planning.

There is no proper monitoring of the sewage system at houses. The sewer system has instability and uncertainty with the characteristics of the variable and nonlinear variant of the time variant and the random processing process. The purpose is to obtain an economical and flexible solution for detecting block and foul smells. Gas sensors will pick up the odor when a blockage occurs and water flow stops.

Then an alert is sent to the residents. Simultaneously anti-clogant liquid is sprayed in the pipeline where blockage occurs which will remove the block. The best outcome of this system is that it can avoid unhygienic houses.

II.   LITERATURE SURVEY

A.   Smart Sensor and Arm Drainage Monitoring System

The core of the project is ARM7. ARM7 is a processor that is programmed to sense water level in sewage and blockage. A gas sensor is attached that gives an alert of any leakage via message and sound buzzers.

B.   Smart Sewage Alert for Workers using IoT

A level sensor is used to detect the level of water in the drainage and display it on a screen. Sensor is used in detecting a clog and rate of flow. The WEMOS D1 is used to check specific conditions and it can send automatic alerts via GSM and can update it in real time.

C.   Underground Drainage Monitoring System using IoT

The system uses a variety of sensors such as temperature sensor, water level sensor and gas sensor which are interfaced with a PIC Microcontroller. System monitors the level of water and toxic gases.