Problem Statement

Goal: Responsible Consumption and Production (SDG 12)

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The fashion sector produces a staggering amount of textile waste at 92 million tons every year, which contributes to environmental pollution. There are millions of people who are underprivileged and do not have proper clothing. At the same time, many clothes that can be used get thrown away due to lack of information and inefficient donation systems. Current donation centers do not have the features of integrated recycling, sustainability tracking or real time presence of the donated items. Companies and individuals who want to donate face logistical problems, insufficient transparency, and the absence of engaging motivation. There is a need for a digital solution that bridges the gap between donors, receivers and recyclers while easing the process of eco-friendly clothing donation and decreasing waste of textiles.

Abstract

**Abstract: Sustainable Clothing Donation & Recycling Platform**

The fashion industry provides a whopping 92 million tons of textile waste every year while millions worldwide live without the very basic requirement of clothing. Our digital platform is supposed to act as a bridge between the donors, the needy recipients, and recycling agents, aiming to maintain responsible consumption and production. Users can donate clothing, request clothing, or recycle clothing through the platform while being tracked in real-time and having a carbon footprint calculator for awareness purposes. By factoring in sustainable recycling solutions, the platform reduces waste and efficiently distributes clothing, thus creating a circular economy.