6BUIS020C – Final Project Report

Voluntra - Streamlining Volunteer Efforts Using AI for University Students for Sustainable Social Impact

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Declaration

Abstract

Voluntra is a mobile app which seeks to increase volunteer activity among Sri Lankan university students by bridging some of the primary challenges such as low exposure to quality-checked opportunities, mismatch between skills and tasks, poor appreciation, and poor availability of good flexibility in scheduling. Most universities lack an organized volunteering mechanism, which means students depend on unorganized, ad-hoc sources of finding appropriate opportunities.

While universities are struggling to manage volunteer schemes, including finding activities, sorting through student applications manually, and tracking involvement, Voluntra offers a simple-to-use, skill-matched platform where students can apply to projects thoroughly vetted by their university admin, track progress, and earn badges for involvement.

Voluntra has AI-based app screening, a badge system with tiers, and quality assurance through feedback. Admins can create projects, approve students, and monitor activity in a secure dashboard. Voluntra bridges the difference between student engagement and institutional capacity by making volunteering more accessible, better organized, and rewarding—enabling long-term civic engagement across universities.

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