Campus-Cart: In-Campus Material Exchange Platform

Ms. M. C. Panire[1], Vishwpratap Sachin Kamble[2], Asad Dastgir Mahaldar[3], Adarsh Ravindra Khot[4], Rasika Yogesh Lolage[5], Prathamesh Chandrakant Khot[6]

Lecturer, Department of Computer Engineering (Diploma)[1]

Students, Department of Computer Engineering (Diploma)[2-6]

Rajarambapu Institute of Technology, Islampur, India

Abstract: *Modern campuses face an ongoing issue of underutilized academic and personal materials such as books, electronics, lab equipment, and daily-use items that are often discarded or forgotten post-use. Simultaneously, other students seek these same items but lack a centralized, secure, and reliable channel to obtain them. Campus-Cart addresses this by providing an exclusive digital platform for in-campus material exchange. It enables students to list, discover, and manage the trade of second- hand goods within their institutional network. This Android application, powered by Firebase Realtime Database and Firebase Storage, includes secure user access, image-supported item listings, real-time updates, and user-specific content management. With dynamic features like search, filters, and profile-based listings, Campus-Cart promotes sustainable reuse of materials and builds a trusted internal economy. Designed with simplicity, speed, and privacy in mind, it revolutionizes how campuses handle student-to-student transactions.*

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