

Enterprise Resource Planning based Effective Automated Facility Management System for Local University Accommodation

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Abstract

The rapid development of technology is causing a revolution in organizational structure. Automated processes are the transformation of manual ones through technological concepts. It is creating an effective and efficient environment. The enterprise resource planning (ERP) concept is mainly focused on developing a solution to manage the overall process and resources in the organization very effectively. Consider local university accommodation facilitation and management based on a manual process. As a result of the research study's findings, those manual processes have identified failures such as time waste, paperwork, data security, less facility maintenance, and less interconnection with students and administration. Local University accommodations have an important daily maintenance process. Also, students have an interest in living in university housing. So, university accommodation management staff have the responsibility of managing the facilities and services offered to students and creating a comfortable resident environment for them. But practically, it may be very difficult to maintain and continue responsibilities. Some reasons include a lack of management staff, no official communication platform with students, and different academic schedules of students. This proposed system will allow the university to maintain and manage its accommodation facilities and services. Also, this web system is the official platform for students to interconnect with accommodation staff. ERP concepts develop an effective and efficient platform for automatically managing the overall process of local university accommodation.

Keywords: *Enterprise Resource Planning, University accommodation management system, Automated facility management*