

ABSTRACT

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WEB APPLICATION FOR PERMISSIONS AND BUSINESS TRIPS CASE STUDY: PT XYZ

(xxviii + 327 pages : 244 figures; 51 tables; 5 appendices)

This thesis discusses the development of a system that manages all internal request processes at PT XYZ. This system is built to overcome the limitations of the current system that manually handles the request process. Lack of documentation, difficulties in finding required data, and poor integration across departments in approving requests (especially business trip-related processes) are causing delays and confusion for both staff and company. The proposed system intends to enhance the processes of submitting and approving requests. Attendance, business trip related process such as distribution of cash, expense and activity report, extra hours, early office leave, annual leave, tardiness, and reimbursement requests are included in this system.

The system is developed as a web-based application using prototyping method. Starting with analyzing the problems of current system, gathering requirements using interviews, document analysis, and observation, and modeling the system using UML 2.0 from the functional, structural, and behavioral perspectives. It is then followed by designing the database structure, interface and concluded with the construction of the system using PHP and MySQL. Application testing is performed using black-box testing with scenario and functional testing approaches. The development process is conducted repeatedly in cycles, in which each cycle involves users to try the system and provide feedback as input for the next cycle.

The proposed system facilitates all request submissions and approvals, integrates expense estimation, cash allowance, and reporting for the business trip requests, and also provides features for disseminating information and generating reports.

References : 23 (2003-2010)