

ABSTRACT

XYZ Company faces challenges in organizing and tracking project activities due to the absence of a well-structured system, which leads to difficulties in monitoring progress and managing project-related information. This topic is important because it relates to the growing need for transparent, accessible, and well-documented project workflows. To address this issue, a web-based Audit Trail Management System (ATMS) was designed using the KAOS method, which focuses on identifying and modeling system goals aligned with business objectives. The development process involved goal elicitation, goal tree modeling, documentation of Software Requirements Specification (SRS), Software Design Document (SDD), and visual modeling using UML diagrams. The proposed system provides a structured solution to manage user roles, monitor activities, and organize project documentation. The main contribution of this study lies in the goal-driven design approach that helps align system functionality with stakeholder needs while improving traceability and clarity in project execution.

Keywords: audit trail system, requirement engineering, goal tree model, system design, project management, KAOS method