## **ABSTRACT**

## WEB-BASED PAYROLL MANAGEMENT SYSTEM CASE STUDY TELESOM COMPANY

Yahye Mohamed Ahmed Ali - 1197050132

Informatics Engineering

Efficient payroll management is essential for organizations to ensure accurate and timely compensation to their employees. This study presents the development and implementation of a web-based payroll management system, using Telesom Company as a case study. Traditional manual payroll processes often lead to complexities, errors, and delays. The proposed web-based system aims to streamline payroll operations, enhance accuracy, and improve overall efficiency. The study commences with a thorough analysis of Telesom Company's payroll requirements, encompassing employee classifications, deductions, benefits, and tax regulations. Based on these insights, the web-based system is meticulously designed and executed, leveraging contemporary technologies and frameworks to create an intuitive user interface and a robust backend infrastructure the system empowers authorized personnel to manage employee profiles, record attendance and leave data, compute salaries, and generate comprehensive payslips. Automation minimizes manual intervention, mitigates errors, and accelerates the payroll process. Furthermore, the system ensures adherence to legal and regulatory standards, thereby reducing compliance risks, through the case study of Telesom Company, the implemented web-based payroll management system substantiates its efficacy in elevating payroll processing efficiency. The study explores the system's impact on reducing processing durations, enhancing data precision, and providing a transparent platform for employees to access their payroll particular collectively, this research underscores the significance of adopting web-based payroll management systems for organizations, as demonstrated by the Telesom Company case study. The findings emphasize the advantages of digital solutions in optimizing payroll processes and enhancing employee contentment.

**Keywords:** Web-Based Payroll Management System, Payroll Processing, Employee Compensation, Telesom Company, Case Study, Efficiency, Automation, Digital Solutions.