

**SE 3040 APPLICATION FRAMEWORKS**

**Inward Module (HIS)**

**Technical Report**

**3rd Year 1st Semester**

**WE05**

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| **M.R. Aaquiff Ahnaff** | **15048738** |
| **T.T.T. Rathnaweera** | **IT15011930** |
| **H.P.R. Lakshan Thilakarathne** | **IT15078360** |
| **Bhanuka Hingalagoda** | **IT15013224** |

# **Abstract**

This report discusses the implementation of a health care software system to be used in hospitals to manage the Inward related functions. This project was carried out as part of a requirement to complete the 3rd year of B.Sc. (Hons) Degree in Information and Technology Specialization in Software Engineering at Sri Lanka Institute of Information and Technology.

# Introduction

The Inward system is designed to cater the requirements for managing wards in a hospital. It will be part of a suite of hospital management software suite called HIS. This is a full stack application built using ReactJS, NodeJS and Mongoose. The application would be able to manage wards, beds, patient admissions, discharge, archive details, patient prescriptions, laboratory tests, patient allergies, patient transfers and also generate charts and reports.

# Background

# Design

This full stack application is designed to be easily decoupled thus allowing the swapping of the client or server modularly.

The application consists of three layers,

* Client
* Server
* Database

The client is developed using ReactJS which is an open source JavaScript library that helps build web application clients.

# Requirements