**Architecture Design Document for Train Reservation System**

**1. Overview**

1.1.System Overview

This project implements the booking and cancellation of railway tickets along with different features like search using PNR number, modify date of journey and cancel a particular passenger ticket.

1.2. System Context

The system context is defined clearly in the SRS. Basically, the department is the main sink of the information. The main sources of information is the course teacher(Dr.Pushpalatha S N) (who provide information about the proper working and features) .

1.3. Stakeholders of Train Reservation

The main stakeholder and their concerns are:

• INDIAN RAILWAYS/ANY RAILWAY AGENCY: Their main concern is the seamless booking that should be satisfied. This means that the algorithm for scheduling should be such that it can easily be changed with a better algorithm later.

1.4. Scope of this Document

This document describes the proposed architecture for the train reservation project. For architecture, we consider only the component and connector view.

1.5. Definitions and Acronyms As given in the SRS.

**2. Architecture Design**

As this is a batch processing-type system with inputs coming and output being produced, the most natural style will be the pipe-and-filter style. We use this style for the architecture of the system. The proposed architecture is explained below.

This architecture has two filter components – one to process the information provided in the input text field, the other take the. As the information is received in the form the query is processed by connecting the database and performing the execution process.