

PROJECT DESIGN PHASE-1

Solution Architecture

DATE	19 September 2022
TEAM ID	PNT2022TMID48593
PROJECT NAME	ANALYTICS FOR HOSPITALS HEALTH CARE DATA
MAXIMUM MARKS	4 MARKS

Solution Architecture

The architecture of the DSS consists of two interfaces

- one for LoS submission and another one for query submission.
- The LoS estimate can be submitted at any time and is immediately considered in the decision support.
- An initial LoS estimate may be derived from the clinical information system (KIS).
- An admission planning query can be submitted at any time as well.
- The DSS calculates an optimal admission date and assignment for the patient group.

Solution Architecture Diagram

