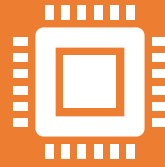# Integration of Different Communication Protocols in Industry 4.0 Learning Laboratory

Srivamsi Malladi

Sri Girish Tangirala
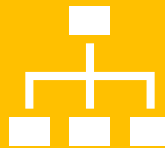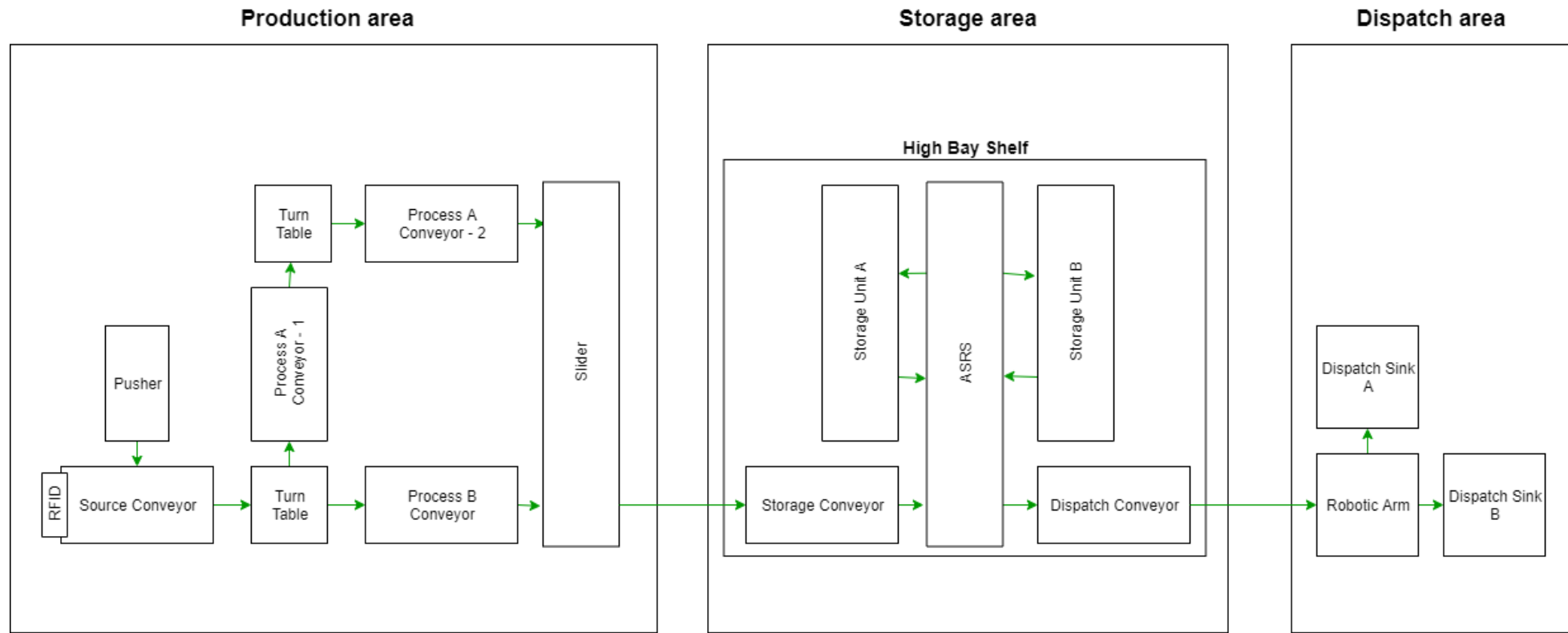
Chaitanya Sankaramanchi

Introduction

With the increase in the usage of modular components and improvement of intelligence of the devices, the decentralization of the different nodes in a production plant is made possible.

The project aims to develop a modular factory plan using different factory components such as conveyors, pushers, turntables, sliders and robotic arms.
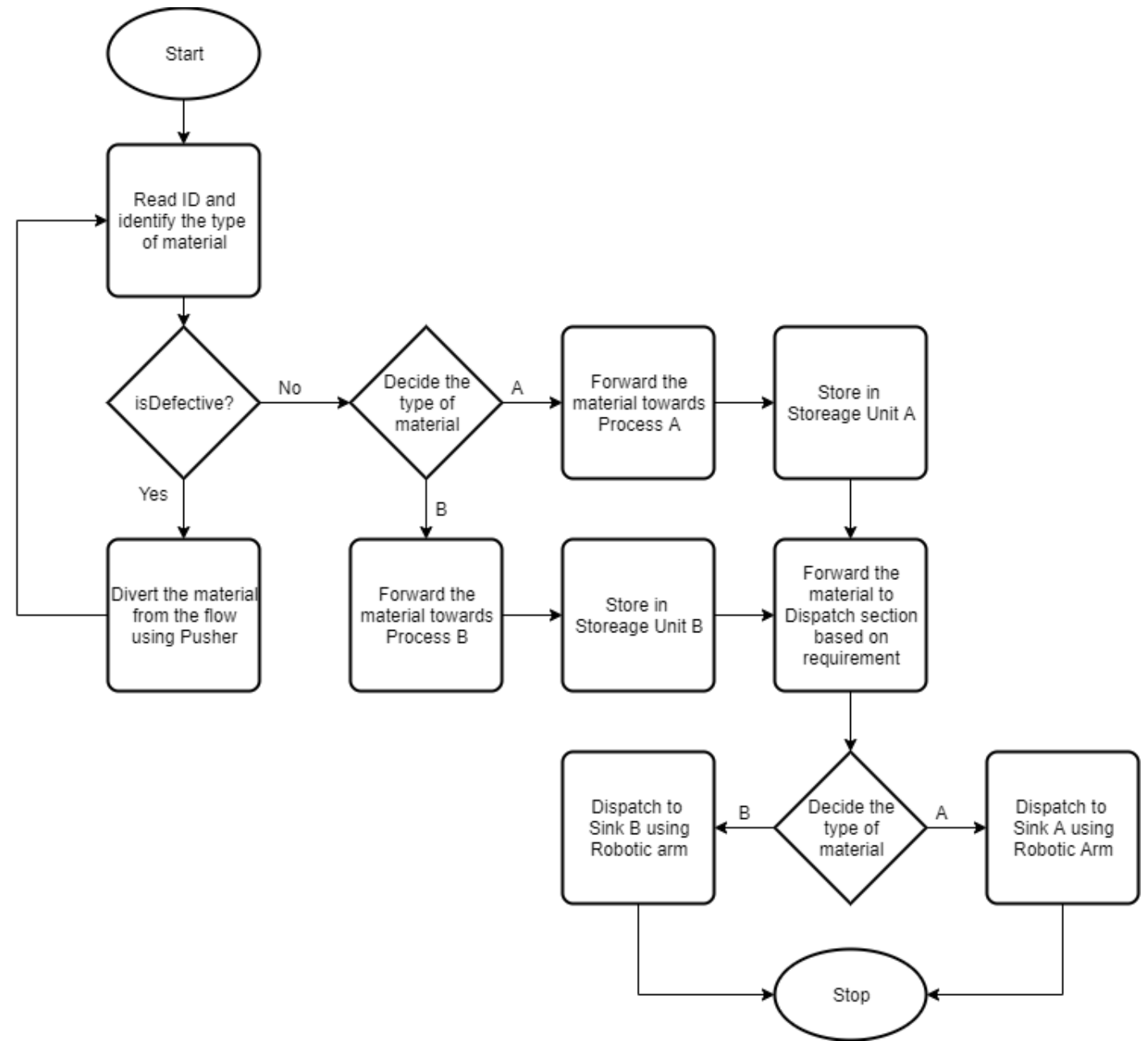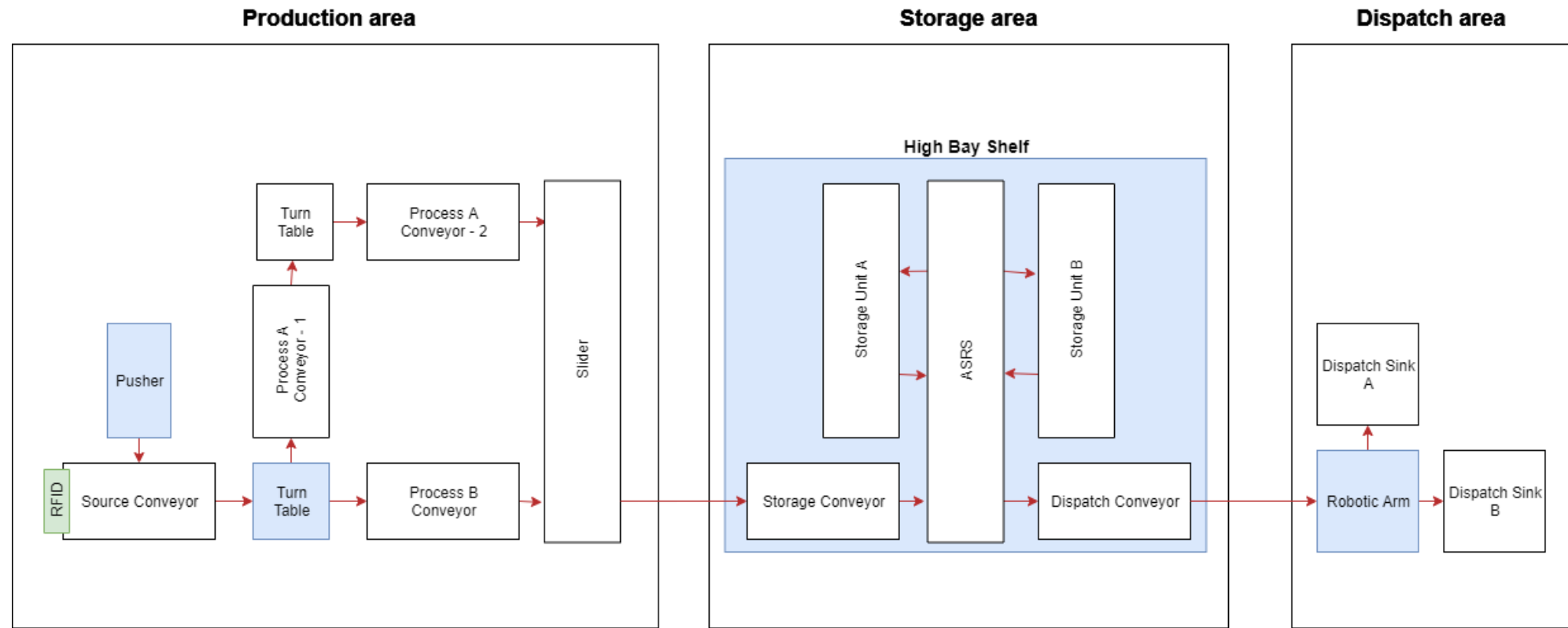
The project also aims at embedding different communication protocols between the individual nodes in the production plant.
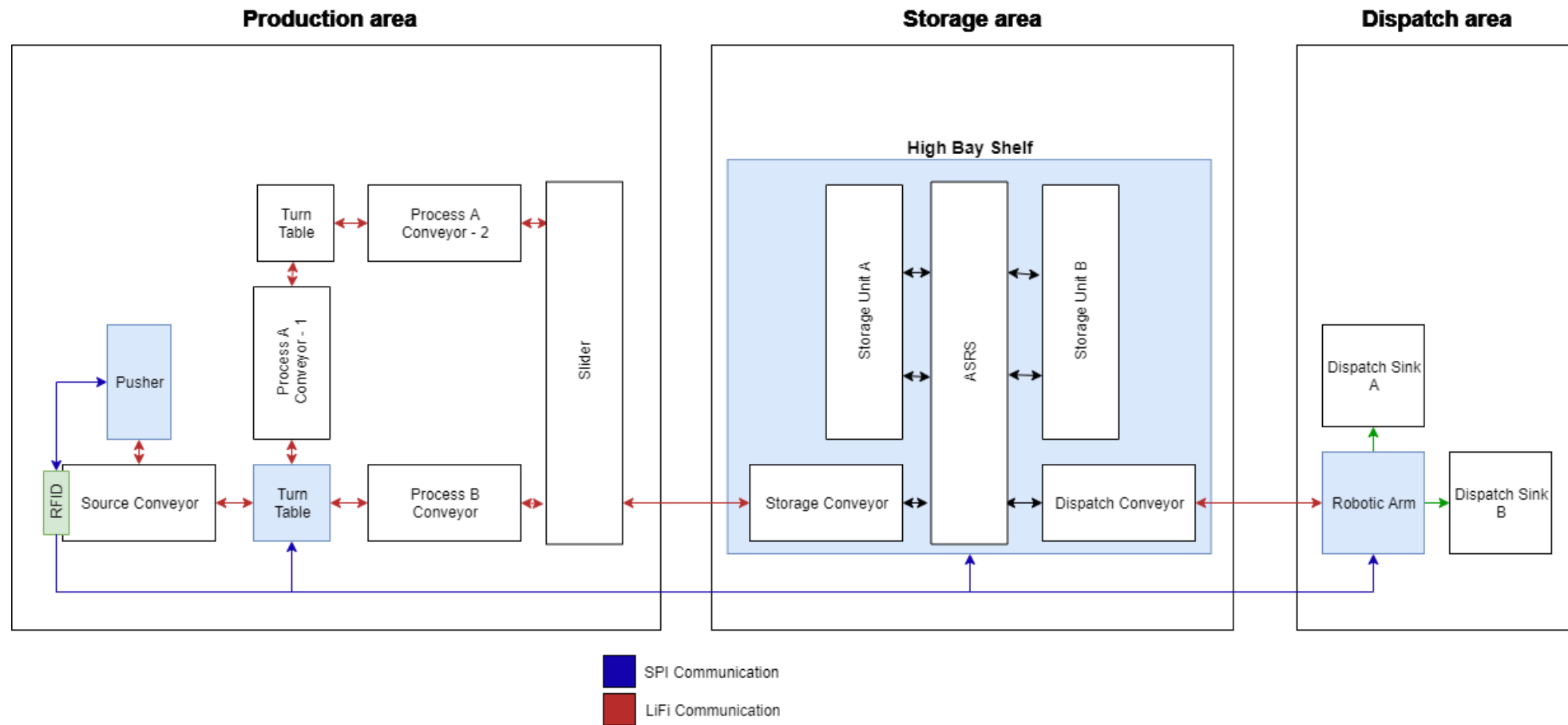
Factory Floor Plan

Process Flowchart

Factory Floor Plan

Factory Floor Plan with Communication Protocols

Thank you