**41068 ROBOTICS STUDIO 1**

PROJECT TITLE

**Smart Factory**

SPRINT NUMBER: 1

DOCUMENT VERSION NUMBER: 1

DATE:

**TEAM DETAILS**

|  |  |  |
| --- | --- | --- |
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# **PROJECT DESCRIPTION**

*(200 words)*

# **SPRINT 1**

## **SLO 1**

### SLO 1.1: Communicating with the stakeholder

Meeting Date: 16/06/2024 – 15.00

Stakeholder: Vinu …

Agenda Items:

* Brief of the project
* Communicate design objectives
* Sensors used
* Expectation and delivarables

Discussion Notes:

…

### SLO 1.2 Identifying and agreeing on the priorities, goals and system requirements

## **SLO 2**

### SLO 2.1 Problem Statement

Before first meeting:

The client want us to develop a Autonomous Mobile Robot to recreate an Automated Warehouse System that will increase the efficiency.   
  
The specific need to be derived after the first meeting

### SLO 2.2 Functional requirements and design parameters of the project

We can ask the client for it but there is a lot I think:

### SLO 2.3 Technical statement

### SLO 2.4 Design Objectives

Idea;

* The driving motion must be as stable as possible – as we are moving things
* We cant have moving and turning at the same time as this will make the robot unstable
* The robot must safely stop if an unkwon object come inside the usual environment

### SLO 2.5 Evaluation criteria

### SLO 2.6 Timeline for the Sprint 1

## **SLO 3**

### SLO 3.1 Configuring the system

### SLO 3.2 Set up a simple indoor office environment in Gazebo

### SLO 3.3 Design and develop a subscriber/publisher

## **SLO 4**

### SLO 4.1 Time management

### SLO 4.2 Communication skills