

# SIT107: Cyber-Physical Systems Design Project

## Task 7.3D Implement a Solution to 6.3

In task 6.3C, you were required to investigate and propose fixes to a developed solution for Louvre museum. In this task, you will be implementing a solution.

Pre-requisites: You must do the following before this task

1. **Attend Class (Lecture) & Seminar**
2. **Tasks 6.1P, 6.2C and 6.3C**
3. **Read this sheet from top to bottom**

## Hardware Required/Software Required

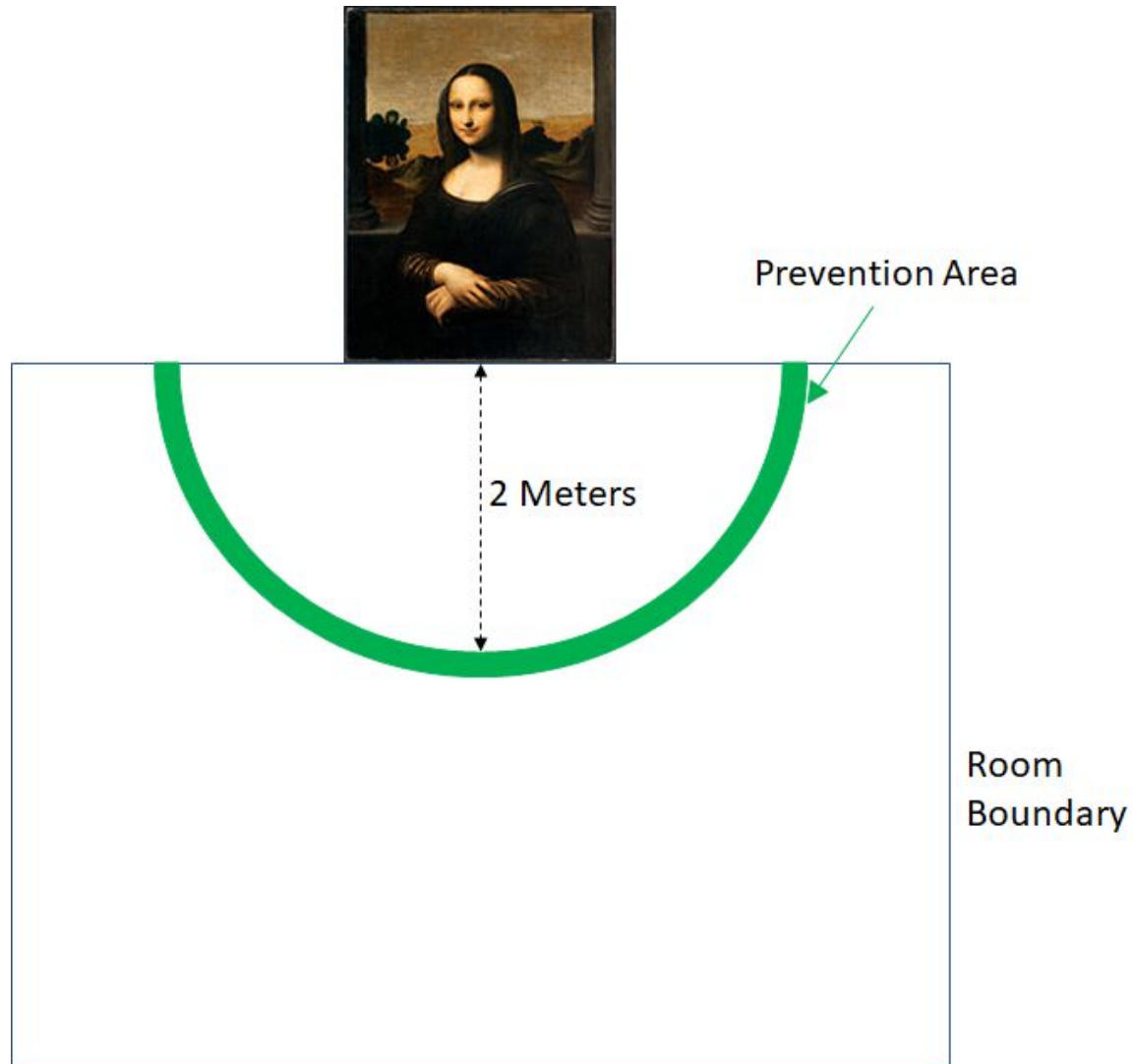
None

## Task Overview

In this task, you are required to implement a solution that satisfies the requirements of the Louvre museum. The requirements are provided below:

## Scenario

Mona Lisa painting by Leonardo da Vinci is one of the most precious and most frequently seen assets at Louvre museum. The museum administrators have been looking for a solution to protect the painting from accidental damage. The solution should have at least 75% accuracy in detecting motion around the painting. The environment where the system needs to be deployed can be seen in figure below.



## Task Submission

Implement a system using Arduino and motion sensors. Submit a report (<2 pages) outlining your approach. You need to provide the code (a link to your GitHub repository) in the report and marked drawing of where your sensors would be placed.