



TransfiNITTe "22 Event

# Silicon Syndicate

[ Campus Development Problem ]

DATE : 16 - 10 - 2022



# PROJECT INSTITUTE WIDE MONITORING SYSTEM [I.W.M.S]





# OUR TEAM

**01**

**K CHIDAMBARAM**  
( TEAM LEADER )  
110121043

**02**

**G Narasimhan**  
110121055

**03**

**B S Praveen Raj**  
110121063

**04**

**S Abhinav Shankar**  
110121087

**05**

**Rakesh Aravindha**  
110121071

**06**

**Sidharth Mohan**  
110121099

# AIM & OBJECTIVES

## PROJECT INSIDES

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# Introduction

**What made us to choose this topic?**

- Strict curfew timings for opal residents.
- No proper checking of who's entering and exiting campus.
- No attendance system for boys.



## Problem Statement

Suggest an idea to lessen the severity of curfew timings as well as improve the security of campus by having a database of students, workers, etc whether they are inside or outside the campus.

# What we propose:

We propose a campus wide RFID based monitoring system.

- To enhance the security of the students.
- To Maintain a proper database.
- Local Server based Monitering.(24/7)





# RESULT

Through this Project:

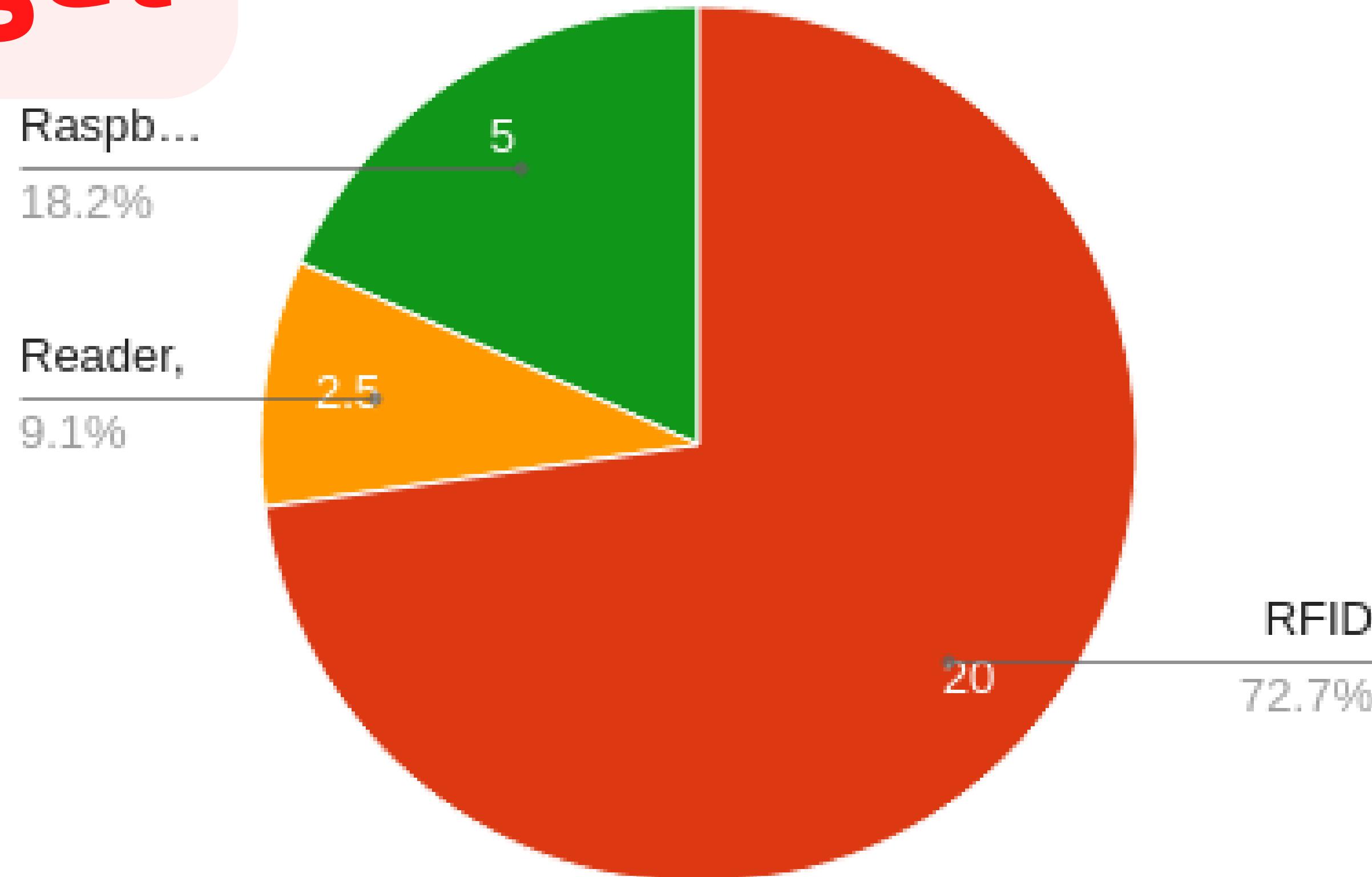
- The security of our college and safety of students can be increased.
- Lessen the severity of curfew timings.
- Hostel attendance for both boys and girls.

Thus we are in the mission of digitalizing our college that minimizes time and human workload.

# Novelty

- Its a small RFID label.
- Could be pasted on any object one carries all the time.
- No need to tap on the rfid reader. Just walk past it.

# Budget





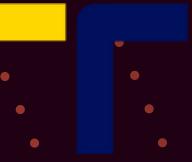


# Checkpoints of RFID Scanners Within Campus



# References

- Proteus 8 Professional.
- OBS Studio
- <https://www.easybom.com/p/st25ru3980bqft-stmicroelectronics-3196973>
- <https://robu.in/product/raspberry-pi-3-model-b-basic-kit/>
- <https://www.labcenter.com/>
- [https://youtu.be/DyRdBql\\_R2o](https://youtu.be/DyRdBql_R2o)
- <https://sites.google.com/a/cas.edu.om/rfid-tc/problems-with-rfid>



Thank  
You