

THE TEAM - sdmay22-38

Team Members: Alex Nicolellis, Jung Ho Suh, Muhamed Stilic, Pallavi Santhosh

Required Skill Sets for Your Project: (if feasible – tie them to the requirements)

Exposure to cloud programming, cybersecurity tools, machine learning algorithms, or python programming.

Skill Sets Covered by the Team: (for each skill, state which team member(s) cover it)

Machine learning algorithms: Alex, Jungho, Pallavi

Python Programming: Alex, Jungho, Muhamed

Cloud Programming: None

Cybersecurity tools: None

Project Management Style Adopted by the Team:

Waterfall Management Style

Initial Project Management Roles: (enumerate which team member plays what role)

Planning: Pallavi

Communicating to the client: Jungho

Organizing: Alex

Controlling: Muhamed

Team Name sdmay22-38

Team Members:

- 1) Alex Nicolellis 2) Jung Ho Suh
3) Muhamed Stilic 4) Pallavi Santhosh

Team Procedures

- 1. Day, time, and location (face-to-face or virtual) for regular team meetings:** Face-to-face, Mondays at 1:00pm at Parks
- 2. Preferred method of communication updates, reminders, issues, and scheduling (e.g., e-mail, phone, app, face-to-face):**
Discord
- 3. Decision-making policy (e.g., consensus, majority vote):**
Consensus
- 4. Procedures for record keeping (i.e., who will keep meeting minutes, how will minutes be shared/archived):**
Google Doc maintained by Alex

Participation Expectations

- 1. Expected individual attendance, punctuality, and participation at all team meetings:**
Full attendance and participation is expected. If a member has a valid excuse they must communicate with the rest of the group in advance.
- 2. Expected level of responsibility for fulfilling team assignments, timelines, and deadlines:**
Established deadlines must be met by all group members. Assignments can be modified if a problem arises ahead of the due date.
- 3. Expected level of communication with other team members:**
Members must check the discord at least once a day to maintain communication. All issues should be raised there or during a face-to-face meeting.

4. Expected level of commitment to team decisions and tasks:

The team is responsible for working together to arrive at decisions that are approved by all. Once a compromise is reached, the team must commit to it or continue discussions with the group.

Leadership

1. Leadership roles for each team member (e.g., team organization, client interaction, individual component design, testing, etc.):

Team organization: Alex

Client Interaction: Jungho

Planning: PJ

Testing: Muhamed

2. Strategies for supporting and guiding the work of all team members:

Strong and respectful communication as well as group interdependence to ensure all team members work well together.

3. Strategies for recognizing the contributions of all team members:

Planning out responsibilities and deadlines well to properly recognize each member for their individual accomplishments in the project.

Collaboration and Inclusion

1. Describe the skills, expertise, and unique perspectives each team member brings to the team.

Alex: Some prior experience with researching machine learning anomaly detection algorithms.

Jungho: Connect Electrical Engineering and Software Engineering by Computer Engineering knowledge. Maintaining cybersecurity experience in a military bunker.

Muhamed: Formal methods security research.

Pallavi: Background knowledge in control systems and signals (hardware aspect).

2. Strategies for encouraging and support contributions and ideas from all team members:

Strong communication as well as group interdependence so that every member feels valued and respected.

3. Procedures for identifying and resolving collaboration or inclusion issues (e.g., how will a team member inform the team that the team environment is obstructing their opportunity or ability to contribute?)

Open communication with team members. Positive feedback to foster a productive environment.

Goal-Setting, Planning, and Execution

1. Team goals for this semester:

Study Industrial Control Systems(ICS) and Intrusion Detection System (IDS) to find out what to develop later and possibly develop Anomaly Detection System using machine learning algorithms.

Implement client-server connection as described in the project.

2. Strategies for planning and assigning individual and team work:

Work together to fully describe the problem and break it down into multiple tasks.

Collectively agree on a fair distribution of tasks.

3. Strategies for keeping on task:

Be in regular contact with each other.

Consequences for Not Adhering to Team Contract

1. How will you handle infractions of any of the obligations of this team contract?

First, infractions will be handled between teammates, and a plan will be established for the offending teammate to improve.

2. What will your team do if the infractions continue?

We will contact the TA to try and intervene if the infractions continue even after a group discussion.

a) *I participated in formulating the standards, roles, and procedures as stated in this contract.*

b) *I understand that I am obligated to abide by these terms and conditions.*

c) *I understand that if I do not abide by these terms and conditions, I will suffer the*

consequences as stated in this contract.

1) Pallavi Santhosh

DATE Sept. 14, 2021

2) Jung Ho Suh

DATE Sept. 14, 2021

3) Alexander Nicolellis

DATE Sept. 14 2021

4) Muhamed Stilic

DATE Sept. 14 2021