

P A C E U N I V E R S I T Y





# Computer Science Project II

## CS 692

### Team Name : Technocrats

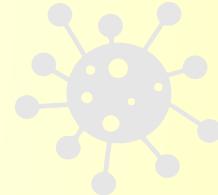
### Team 1



# Covid-19 Safety Protocol Tracker



# AGENDA



A  
G  
E  
N  
D  
A



Team Member  
Roles and  
Responsibilities

Project  
Statement

Project  
Description

Team Working  
Agreement

Personas

Minimal Viable  
Product (MVP)

Technologies

Architecture  
Diagrams

Sprint 1-4  
Recap

Sprint 5-6  
Recap

Improvements  
made from  
Professor  
Feedback

Product  
Backlog

Sprint 7  
Backlog

Metrics

Retrospective

App Logo

Project Demo

GitHub Link

Live Application  
Demo

# TEAM MEMBER ROLES



**Sai Sindhu**  
**Developer**



**Anil Babu**  
**Developer**



**Anivi Reddy**  
**Developer**

# TEAM MEMBER ROLES



**Sahith**  
**Quality**  
**Analyst/Tester**



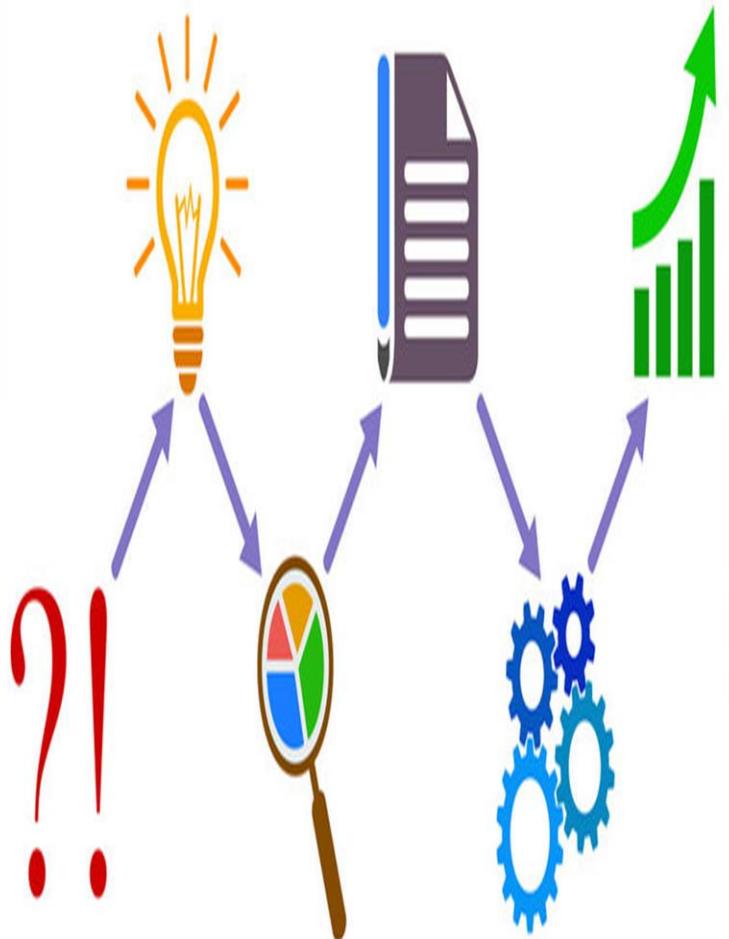
**NIKHIL**  
**Scrum master &**  
**QUALITY ANALYST**



**Bharadwaja**  
**Developer**



# PROBLEM STATEMENT

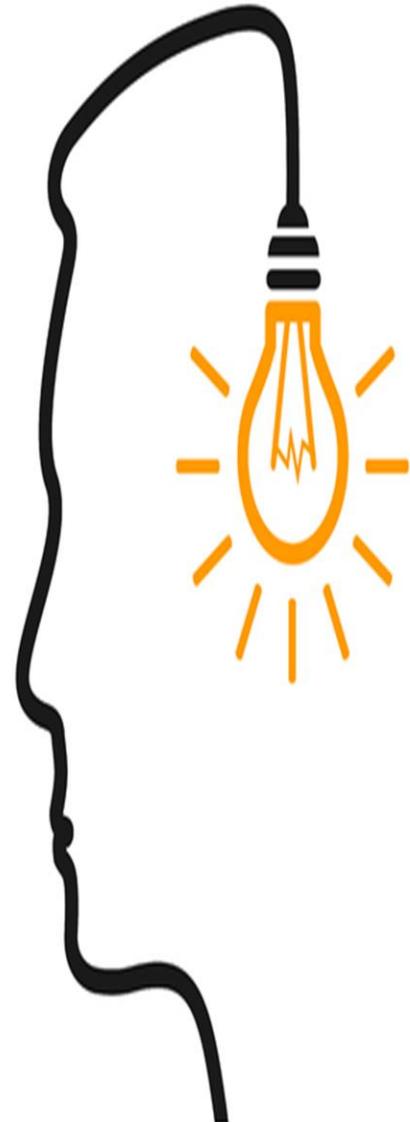
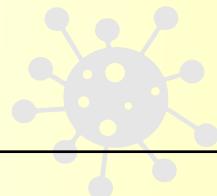


Over the last two years, Social Distancing has become increasingly prevalent as a part of the Covid-19 pandemic outbreak. According to international health authorities, interpersonal communication is the principal primary contributor to the pandemic's spread. To avoid the spreading, it is therefore necessary to maintain the necessary spacing with some effort. In addition, developing an automated Contact Detection step that secures privacy would be beneficial to prevent further infection. Today's smartphones are not just for communication; they can also detect numerous characteristics of their environment (movement, proximity, orientation, etc.). In addition, now a days practically everyone utilizes a smartphone. Reflect on these facts The issue is resolved by a mobile app that can notify users when it detects that a person is approaching from a closer distance than is advised.



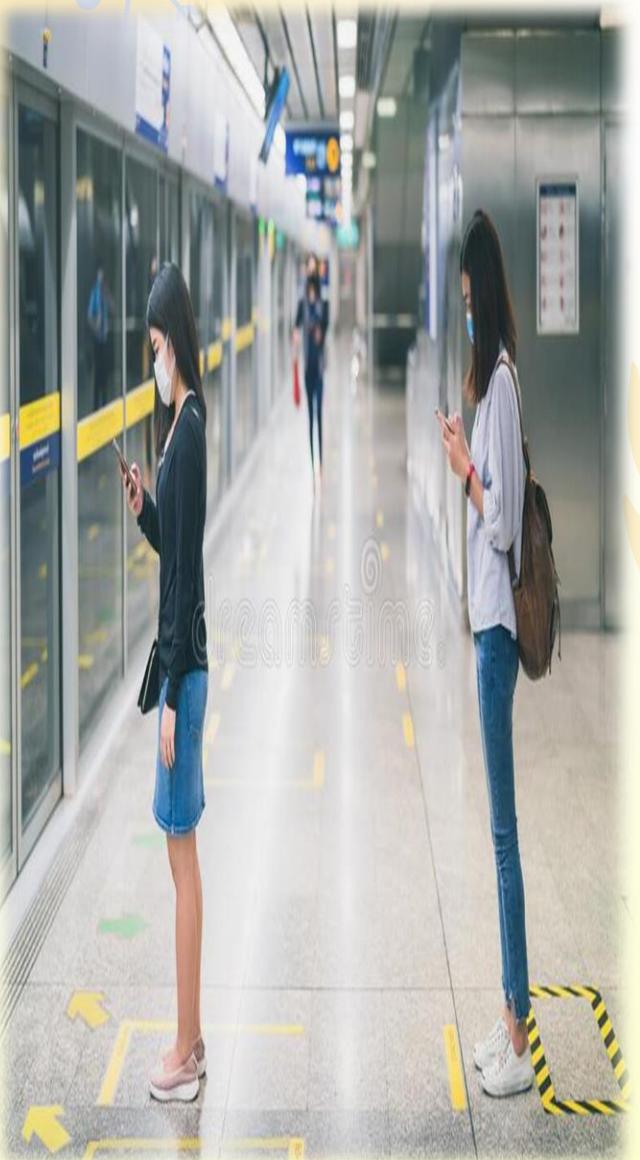
# PROJECT DESCRIPTION

Project Description	
Project Name:	Covid19 Safety Protocol Tracker
Team Name:	Technocrats
Project Description:	<p>This is a tracking app that uses a smartphone's GPS and Bluetooth features to track COVID-19 infected cases</p> <p><b>For Customers</b></p> <p><b>who</b> want to maintain the safe distance from covid-19 infected persons</p> <p><b>The</b> Covid-19 Safety protocol tracker is a mobile app</p> <p><b>that</b> checks for covid19 infected cases with in six feet distance</p> <p><b>unlike</b> knowing the information about covid19 spread through the news</p> <p><b>our application</b> helps in identifying the covid19 infected cases around the person by simply turning on the Bluetooth in their mobile through our application.</p>
Benefit Outcomes:	<p>Users can use this application while travelling to scan their surroundings and get to know about the covid cases around them.</p> <p>Users can use this application to know about the covid infected status of their closed ones.</p> <p>Users can use this application in public areas like theaters and shopping malls to scan their surroundings and take necessary precautions.</p>
GitHub Link:	<a href="https://github.com/htmw/2023S-Team1/wiki">https://github.com/htmw/2023S-Team1/wiki</a>





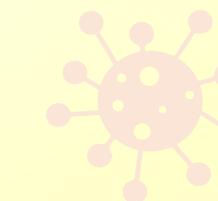
# PROJECT DESCRIPTION



Our product is focused on COVID-19 safety Protocols. It is designed to ensure that people are adhering to social distancing guidelines. Ultimately, it can help make people and the community safer from the virus . This is a tracking app that uses a smartphone's GPS and Bluetooth features to track COVID-19 case. Bluetooth technology enables users to assess their risk of being exposed to the COVID-19 virus if they have been within six feet of a confirmed case. It is also able to detect specific locations that are deemed 'infected area's through location data analysis, and crowd sourcing. this data so it is easily accessible for decision making purpose. The idea behind the app was to make people aware of their risk, and give them the tools to protect themselves from contracting the virus. We developed a product that would be a cost-effective measure for protecting profits and human life. The idea for our product is based on the idea of a "control" to prevent COVID-19 from spreading. It would be an app that uses Bluetooth and GPS capabilities to track COVID-19 cases and would also provide alerts in case it detects COVID-19 in an area. This product was designed to be inexpensive, effective, providing information necessary for the public's awareness of where the virus is being spread. We designed this app as incentive to prevent someone from spreading the virus as they are able to see how close they are getting near people who have contacted it.



# TECHNOCRATS TEAM WORKING AGREEMENT



## Team Agreement

### Communication:

We agree to communicate regularly and effectively, keeping each other informed about our progress, questions, and concerns. All the team members agree to have meetings via teams weekly twice.

### Participation:

We agree to actively participate in all team meetings and discussions, and to contribute our unique skills and perspectives to the project.

### Deadlines:

We agree to meet all deadlines set by the team and to inform the team as early as possible if we anticipate any difficulties meeting a deadline.

### Respect:

We agree to always treat each other with respect and professionalism, even in the face of disagreements or challenges.

### Feedback:

We agree to give and receive constructive feedback openly and honestly, with the goal of improving our work and the project.

### Roles and Responsibilities:

We agree to clarify our roles and responsibilities within the team, ensuring that each team member understands their specific tasks and deadlines.

### Confidentiality:

We agree to maintain confidentiality about any sensitive or confidential information related to the project, as agreed upon by the team.

### Quality:

We agree to prioritize quality in our work, and to take the necessary time and effort to ensure that our contributions meet the standards of the team.

### Conflict Resolution:

We agree to resolve any conflicts or disagreements that arise within the team in a timely and respectful manner, seeking input from all team members and striving for a mutually acceptable solution.

### Accountability:

We agree to hold ourselves and each other accountable for our actions and contributions to the project, and to take responsibility for any mistakes or errors we make.

### Team Members: Sai Sindhu Jammula

Anil Babu Tota

Anivi Reddy Yarabolu

Sahith Chowdary

Bharadwaja Vemulapally

Nikhil Reddy Thamma



# PERSONAS





# PERSONAS 1



## Profile

Name: Christiana

Age: 24

Location: New York, NY

Job: Student

Family: Lives with her boyfriend

## About

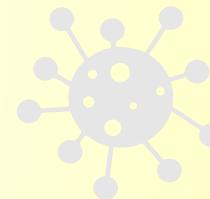
Christiana is a student who is pursuing her masters in a public university.

## Goals

In the process of going to the college she will travel a lot and meet lot of random people who might got affected by covid virus.so ,she want to be careful for which she need to protect herself form covid and covid patients she use our app which was built for covid detection of covid effected persons nearby distances of 6ft with the help of location and Bluetooth tools .she gets notification that she was in danger zone that someone near to her is effected by covid in 6ft distance.so that she can take precautions. Like maintain proper social distances.



# PERSONAS 2



## Profile

*Name: Maddy*

*Age: 35*

*Location: New Jersey, NJ*

*Job: Senior nurse*

*Salary: \$74000/year*

*Family: Husband*

## About

Maddy is a senior nurse she will makes regular bp and temperature of the patients.

## Goals

Maddy, a nurse in a public hospital, is often overwhelmed with multiple patients. It would be immensely useful if she had a mobile application that could detect who is within 6ft of her location. This would make her job much easier and safer. Both scenarios will require Maddy to do a set of certain tasks for the app to perform its intended action. For the scenario, she must create an account, install and activate her mobile application, use the app at work for it to detect where she is within 6ft of her current location. Maddy must store her account information, so the app can detect where she is within 6ft of her current location.



# PERSONAS 3



## Profile

*Name: Sourabh*

*Age: 44*

*Location: Alabama, Ga*

*Job: Chief Security Officer*

*Salary: \$112000/year*

*Family: Two children and wife*

## About

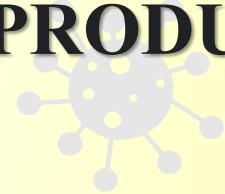
Sourabh was a chief security officer at a shopping complex who checks every customer at the mall's entrances.

## Goals

Sourabh's goal is to check each and every single customer whether they are healthy or have been affected by the covid. Through our app, he gets a notification when any persons affected by COVID are near to him in 6 ft distances. Then he stops them and takes measures to get them the prescribed quarantine so that the other people in the mall are not affected. The Armor app also helps Sourabh to be cautious whenever there are any people affected by COVID-19 and keeps him updated on COVID-19 news.



# MINIMAL VIABLE PRODUCT (MVP)





# MINIMAL VIABLE PRODUCT (MVP)

The following are the features we are covering in our MVP:

- Onboarding screens**
- Registration Page**
- Login Page**
- Home Page**
- Scanning functionality in Bluetooth page**
- QR code functionality in Friends list page**
- Alerts Page**



# MINIMAL VIABLE PRODUCT (MVP)

## Onboarding Screens :

Onboarding screen has introduction message to the app and provides basic information about the application. From onboarding screens, user has a button to login/register.

## Registration Page :

User should be able to enter their details in the provided fields and click on the register button.

## Login Page :

User should be able to enter their credentials and click on the login button.

## Home Page :

From the home page user should be able to navigate through all the features of the application. For example Friends tab, Bluetooth tab, Notifications Tab, Settings Tab.



# MINIMAL VIABLE PRODUCT (MVP)

## Friends Tab :

QR code is displayed for the application and This QR code can be scanned by another registered application user add the current user to their friends list.

## Bluetooth Tab :

Scan button is available in the blue tooth tab which will enable to device Bluetooth and scan for devices in the Bluetooth area.

## Notification Tab :

User should be able to see Alerts or Notifications in this Tab.

## Settings Tab :

User has option to edit their profile and send feed back about the application to admin team through this tab.



# TECHNOLOGIES

K Keras

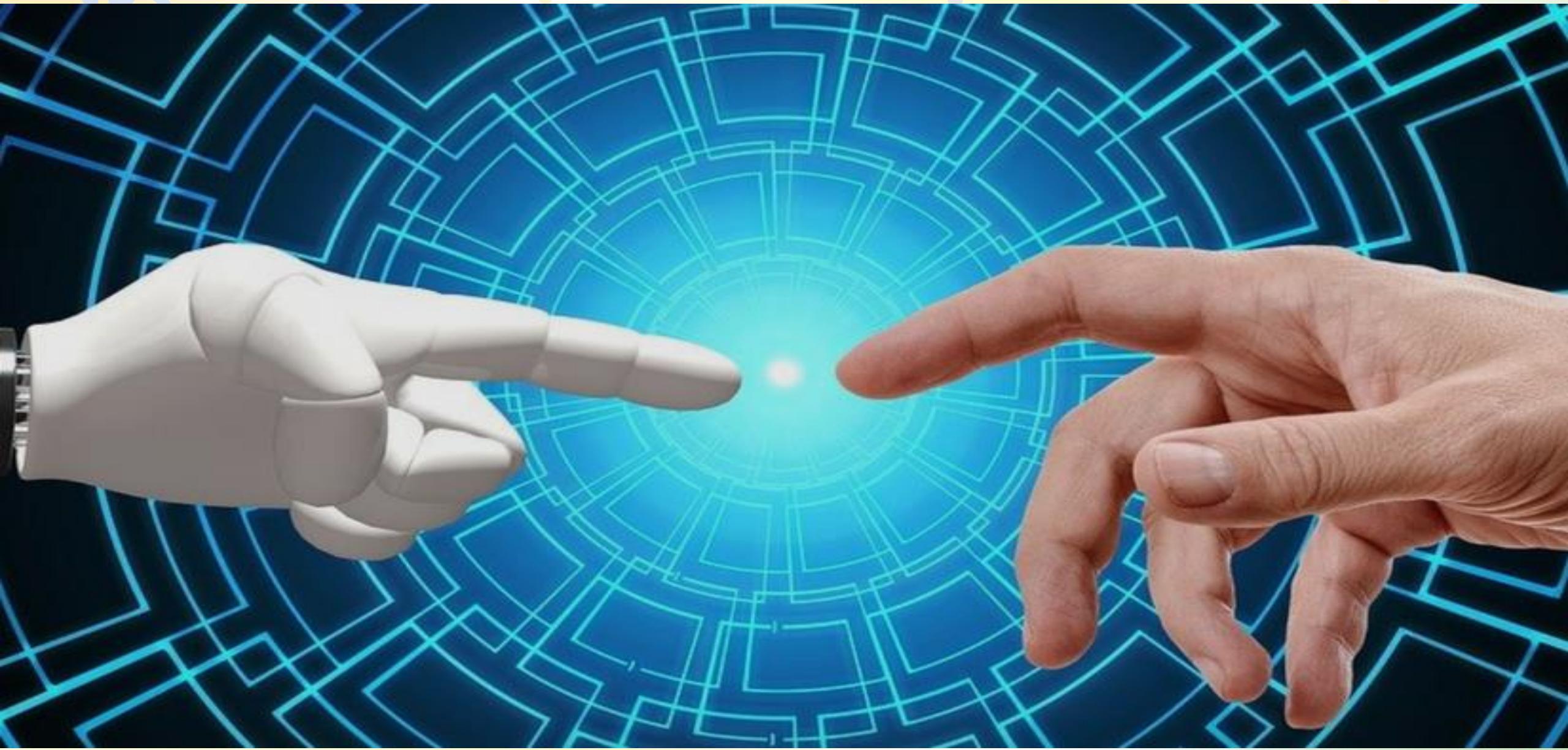


TensorFlow

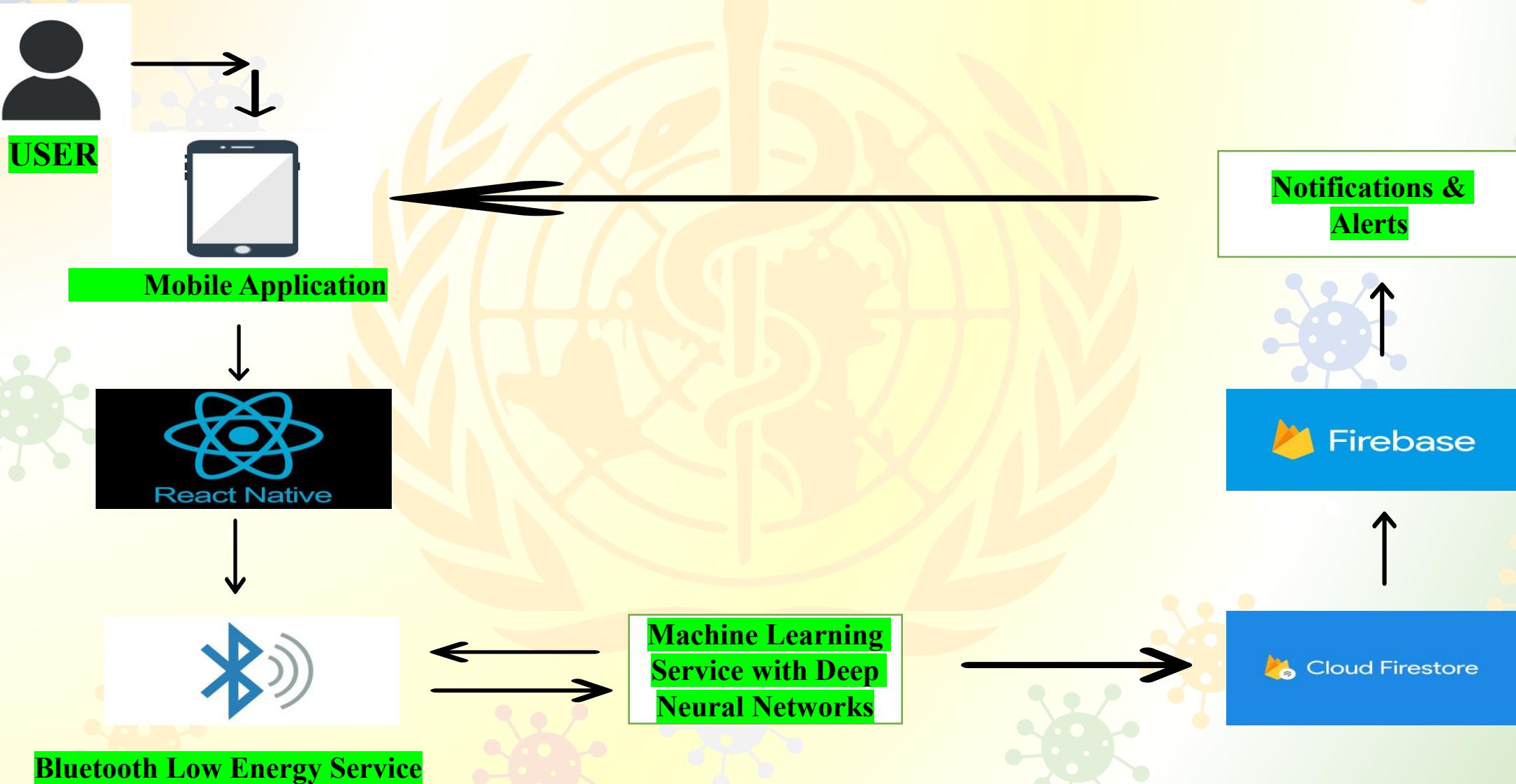




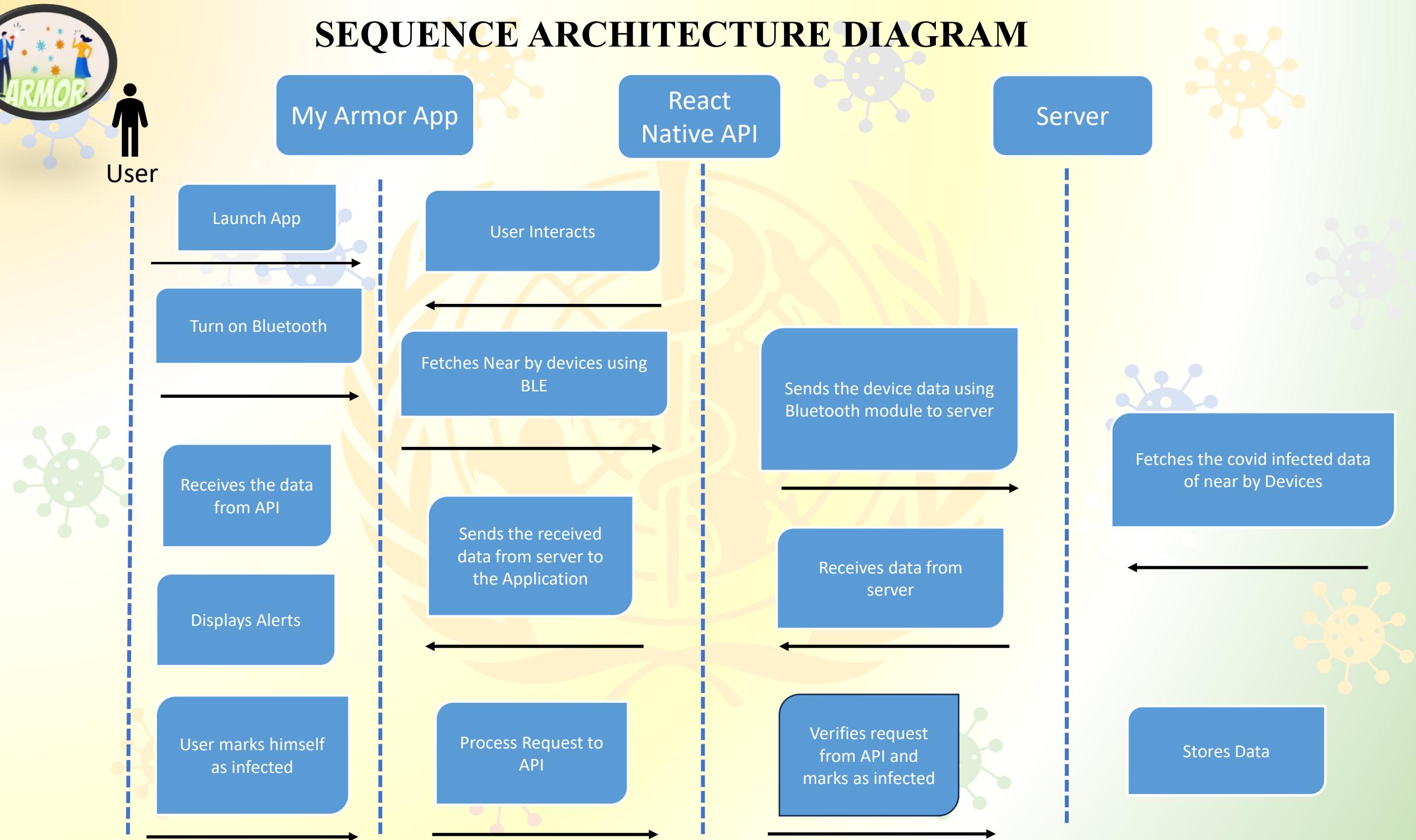
# ARCHITECTURE DIAGRAM



# CONCEPTUAL ARCHITECTURE DIAGRAM

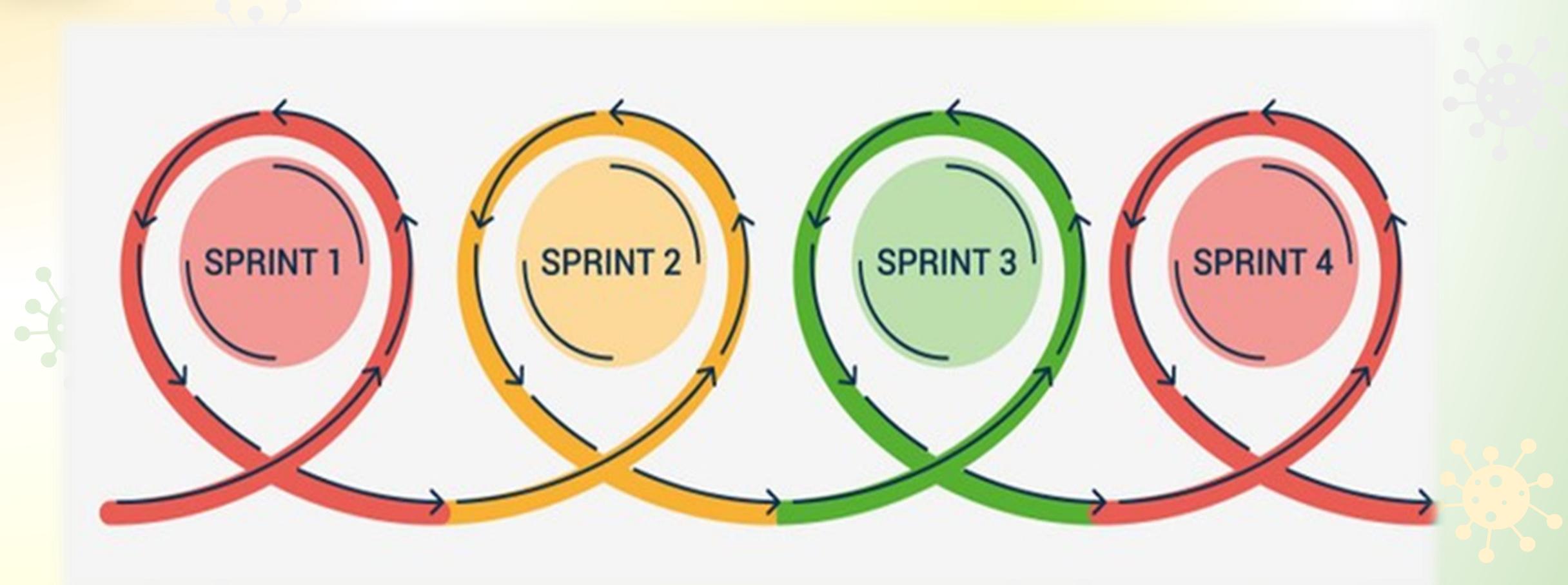


# SEQUENCE ARCHITECTURE DIAGRAM





# SPRINT 1-4 RECAP





# SPRINT 1 RECAP

- ✓ Our product is focused on COVID-19 safety Protocols. It is designed to ensure that people are adhering to social distancing guidelines. Ultimately, it can help make people and the community safer from the virus. This is a tracking app that uses a smartphone's GPS and Bluetooth features to track COVID-19 case.
- ✓ As a user I want to be able to receive alerts when a place becomes too crowded or when I am approaching a crowded area, so that I can adjust my plans . As a user, I want to be able to access up-to-date information about the local COVID-19 situation, so that I can make informed decisions about where and when to go out.
- ✓ To ensure effective teamwork in developing our social distancing project, we need to establish clear rules and regulations with a teamwork agreement. As a team, we should divide roles and responsibilities among ourselves to ensure everyone contributes effectively to the project's development. We need to develop the required technical and functional knowledge necessary to complete the project and plan the product requirements and development plan. This will help us gather all the requirements for the project and ensure that we are on track to meet our goals.
- ✓ As an end-user of the social distancing application, I want an easy-to-install APK file with basic functionalities that help me stay safe during the pandemic. This includes a welcome page and a knowledge page with information on how the application works. Additionally, I want to be able to grant all necessary permissions to the application to access the required data on my mobile device. If needed, I want the option to reset these permissions at any time.



# SPRINT 2 RECAP

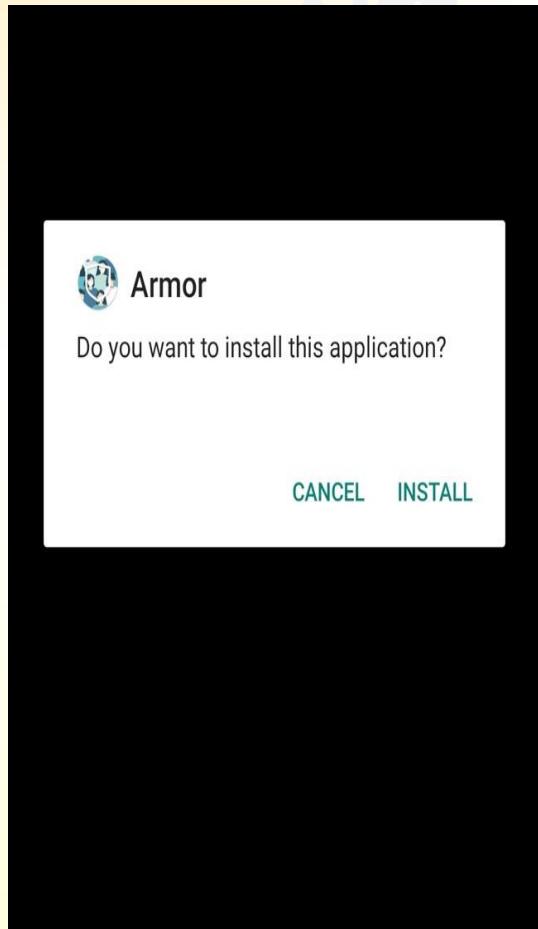


User Story ID	Issue Type	User Story	Story Points	Status
Cov-11	User Story	As a user I should be able to see the Registration page for the application.	5	Done
Cov-12	User Story	As a user I should be able to the user name and get registered in the application.	8	Done
Cov-13	User Story	As a user I should be able to get pop up notification to turn on Bluetooth if application is being used.	3	Done
Cov-14	User Story	As a user I should be able to get pop up notification, asking required permissions for the application	3	Done
Cov-15	User Story	As a registered user I should be able to see the home page, once I login in to the application.	5	Done

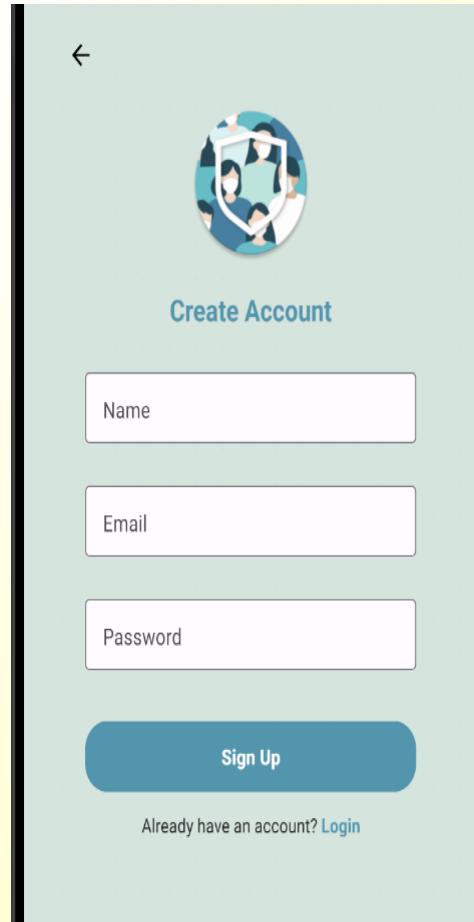
- We have created few screens of the application.
- We have implemented the registration functionality for the application.
- We have created home page for the application.



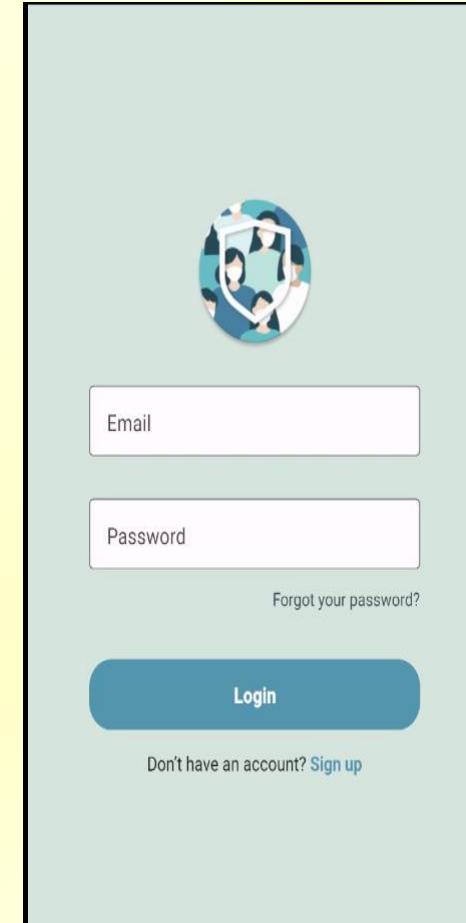
## Install Allow Page



## Registration Page



## Login Page

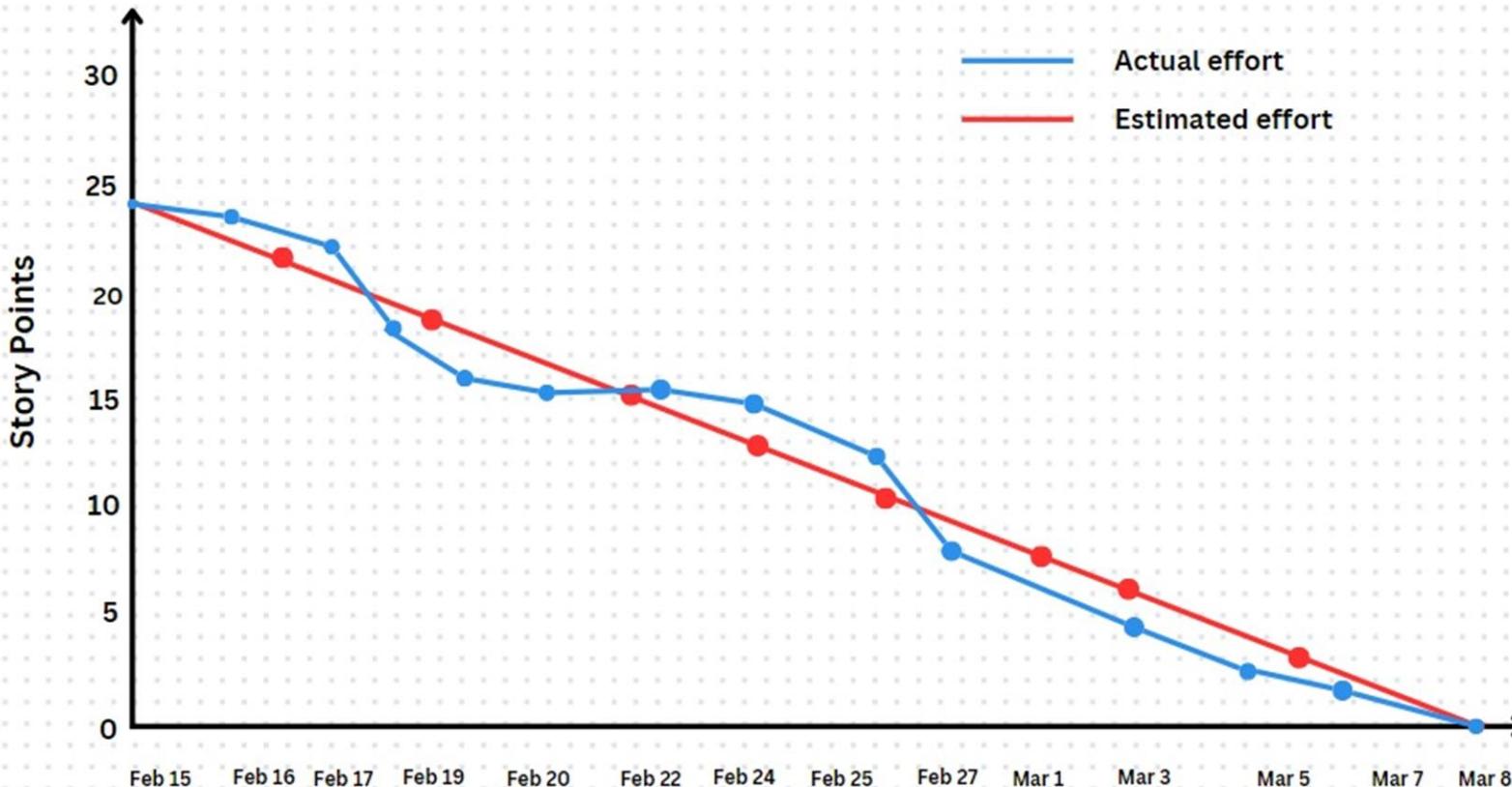


## Bluetooth Allow Page





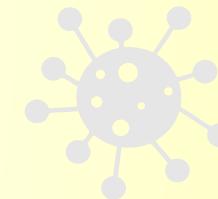
# Sprint 2 Burndown Chart



We committed to 24 story points and completed 24 story points.



# SPRINT 3 RECAP

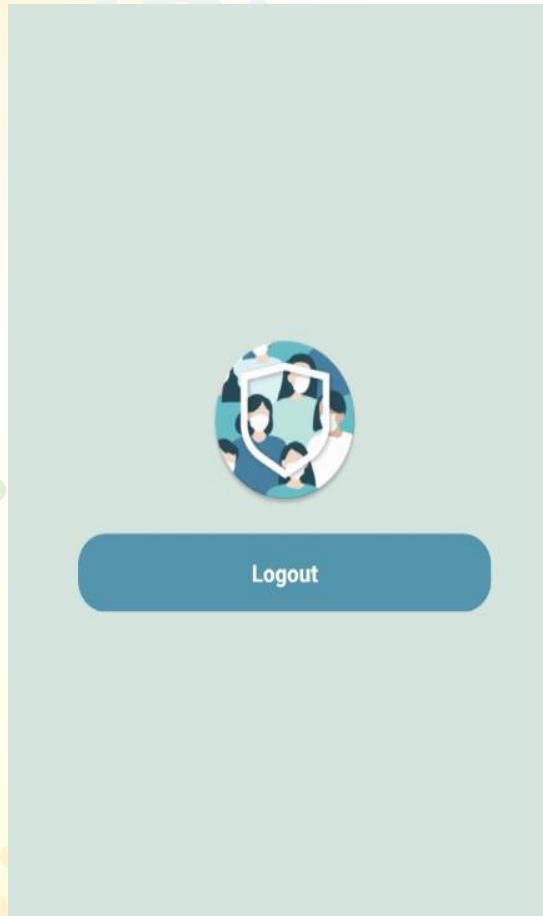


User Story ID	Issue Type	User Story	Story Points	Status
Cov-16	User Story	As a registered user I want to logout from the application so that I can log in again whenever I want.	3	Done
Cov-17	User Story	As a user, I want to create my account to the application so that I can Keep my account private and Signup Using Name, Email and Password.	5	Done
Cov-18	User Story	As a user, I want to login using my email id as my user id so that I can access my account	5	Done
Cov-19	User Story	As a user, I want to navigate between pages so that I can quickly access the features I need	3	Done
Cov-20	User Story	As a user, I want to access the feature in home page	3	Done

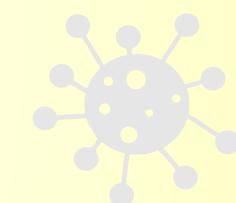
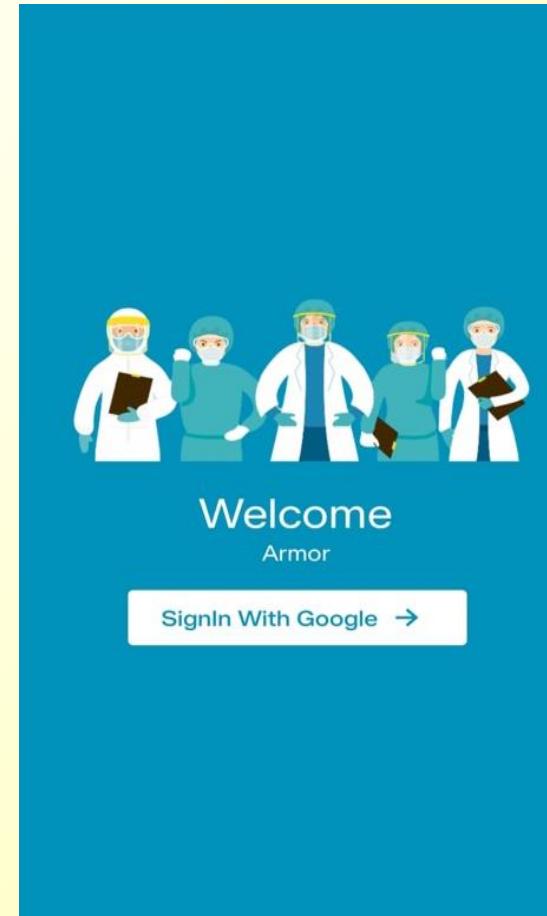
- We have Integrated application with the Gmail for the login functionality.
- We have implemented navigation between the screens in the application.
- We have implemented Alerts and notifications functionality.



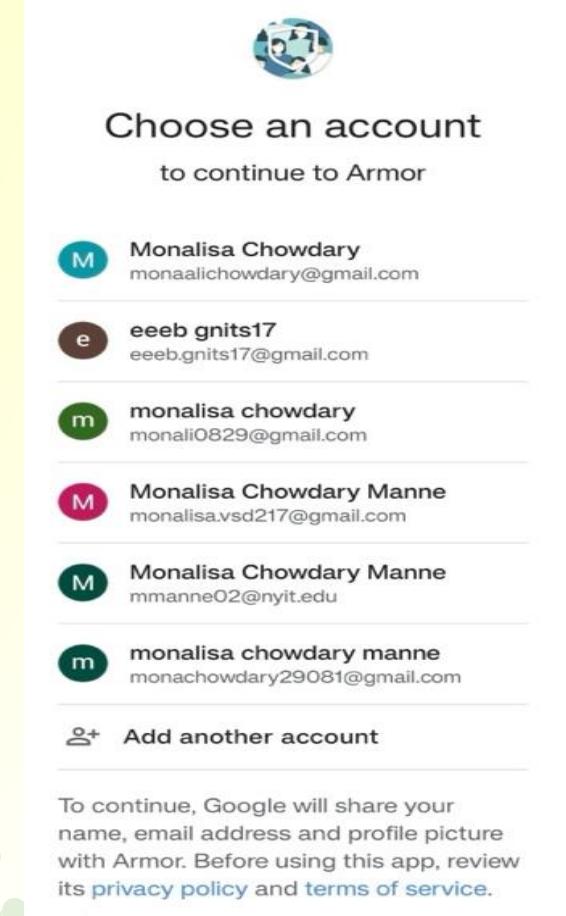
## Logout Page



## Welcome Page



## Gmail Login Page



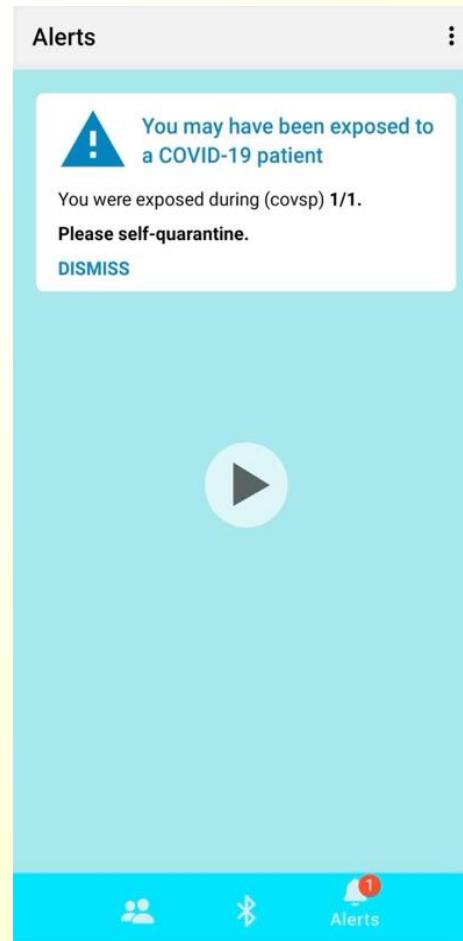


# App Navigate Pages

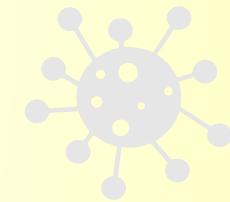
Home Page



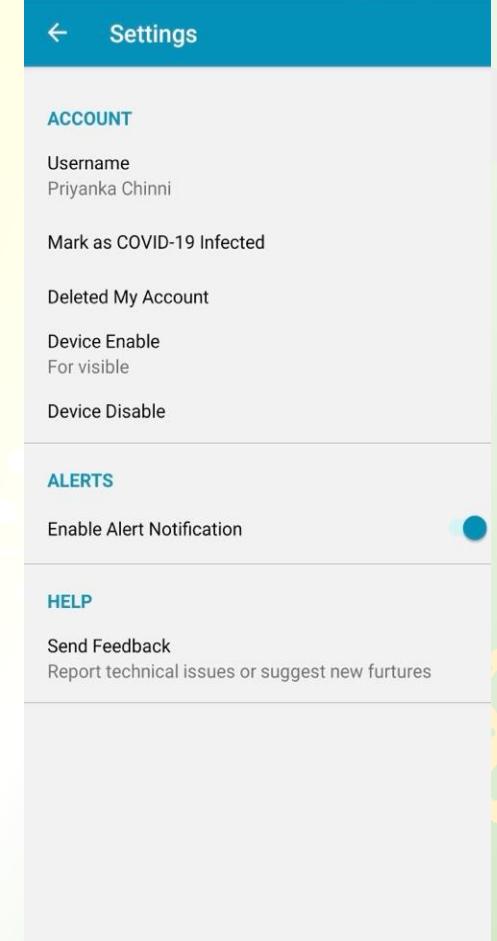
Alerts Page



Friends List Page

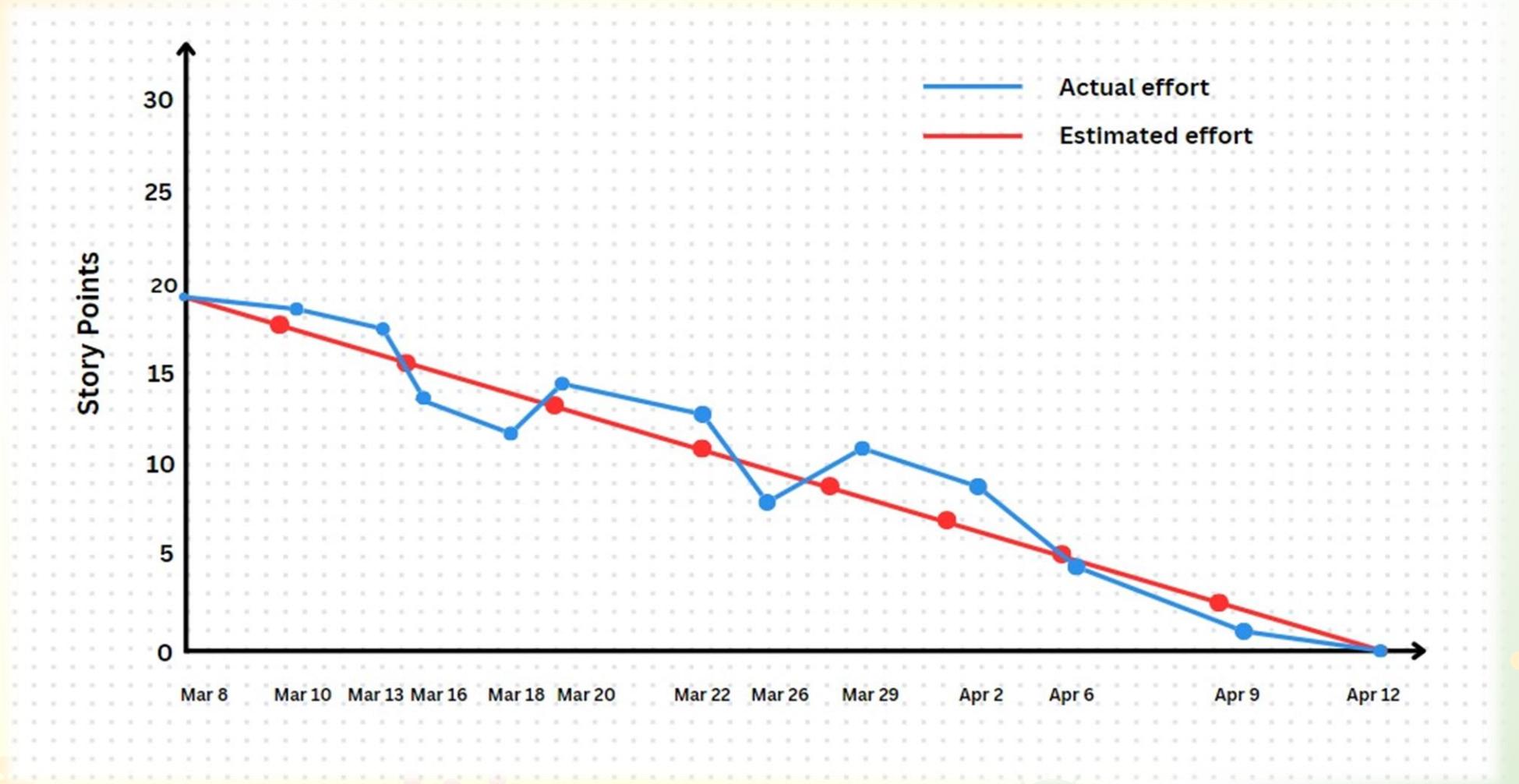


Setting Page





# Sprint 3 Burndown Chart



We committed to 19 story points and completed 19 story points.



# SPRINT 4 RECAP



User Story ID	Issue Type	User Story	Story Points	Status
Cov-21	User Story	As a registered user I want to see the option for changing the user's name in settings page so that I can change the user's name.	3	Done
Cov-22	User Story	As a registered user I should be able to add my friends through QR code.	13	Done
Cov-23	User Story	As a registered user I want to have a functionality to send feedback about the application so that application management will get feedback from users.	8	Done
Cov-24	User Story	As a registered user I want to see the play button in the Bluetooth screen page so that I can start searching for infected users near my location.	13	To Done
Cov-25	User Story	As a registered user I want to see the pause button in the Bluetooth screen page so that I can stop searching for infected users in the application.	13	To Done

- we have developed QR code functionality in the application.
- we have implemented logic to store the friends list firebase database.
- we have implemented logic to edit user details in the settings page.



## Profile Edit Screen

Settings

Armor

info@armormail.com

Edit Profile



## Feedback Screen

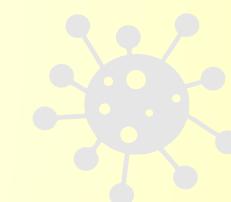
← Compose

From sindhu.reddy.578@gmail.com

To Jammula Sindhureddy

Subject

Q W E R T Y U I O P  
A S D F G H J K L  
Z X C V B N M  
?123 , .



## Display QR Code

Friends

Mute alerts by whitelisting friends who you trust.  
You have no whitelisted friends

Your QR code is private. If you share it with someone they can scan it with their Covsp camera to add you as a close friend

Share

Friends \* \*



## Scan QR Code

Friends

Friend List

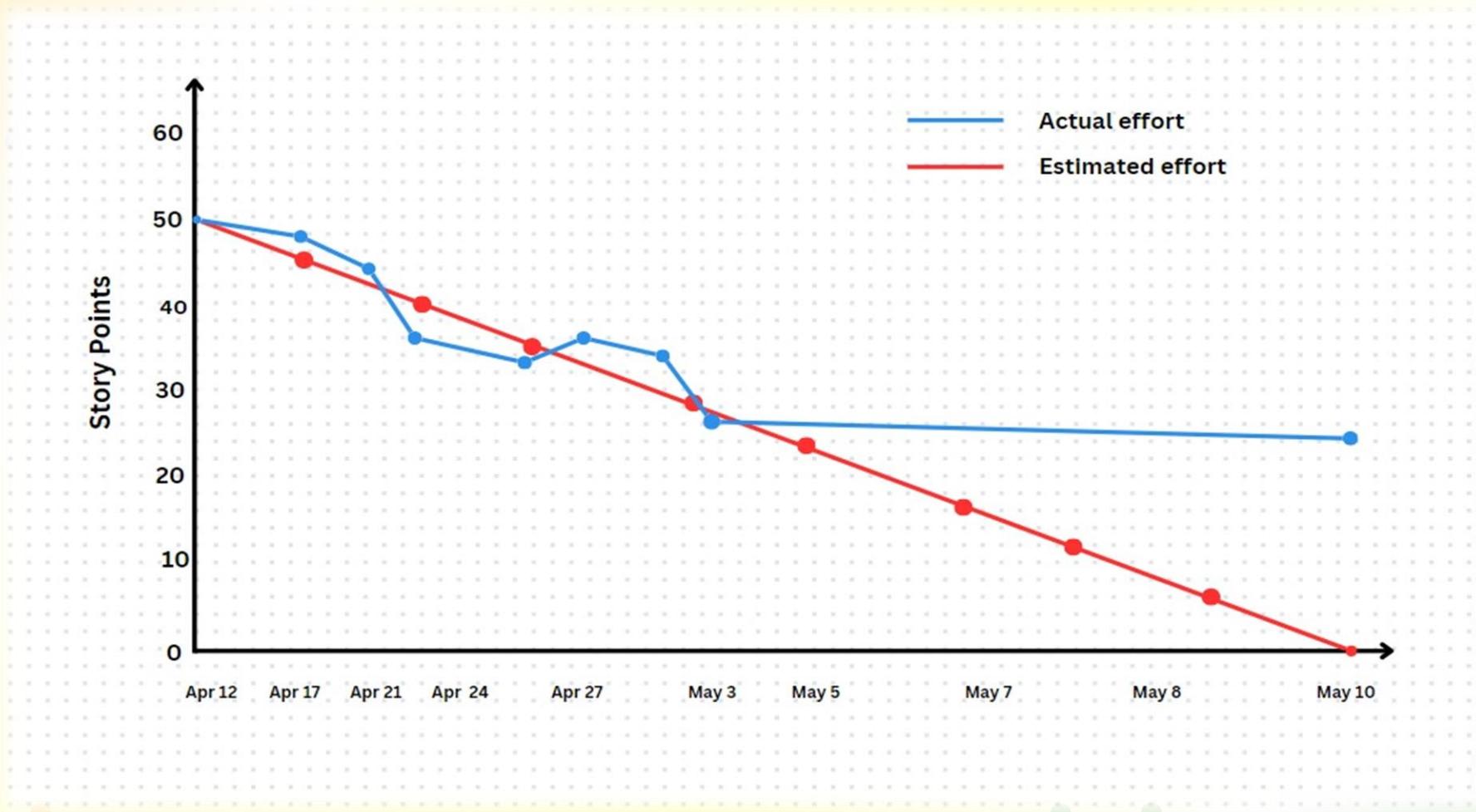
1. Monalisa Chowdary 2C:A7:EF:A3:31:EC 9/Thu

+

Friends \* \*



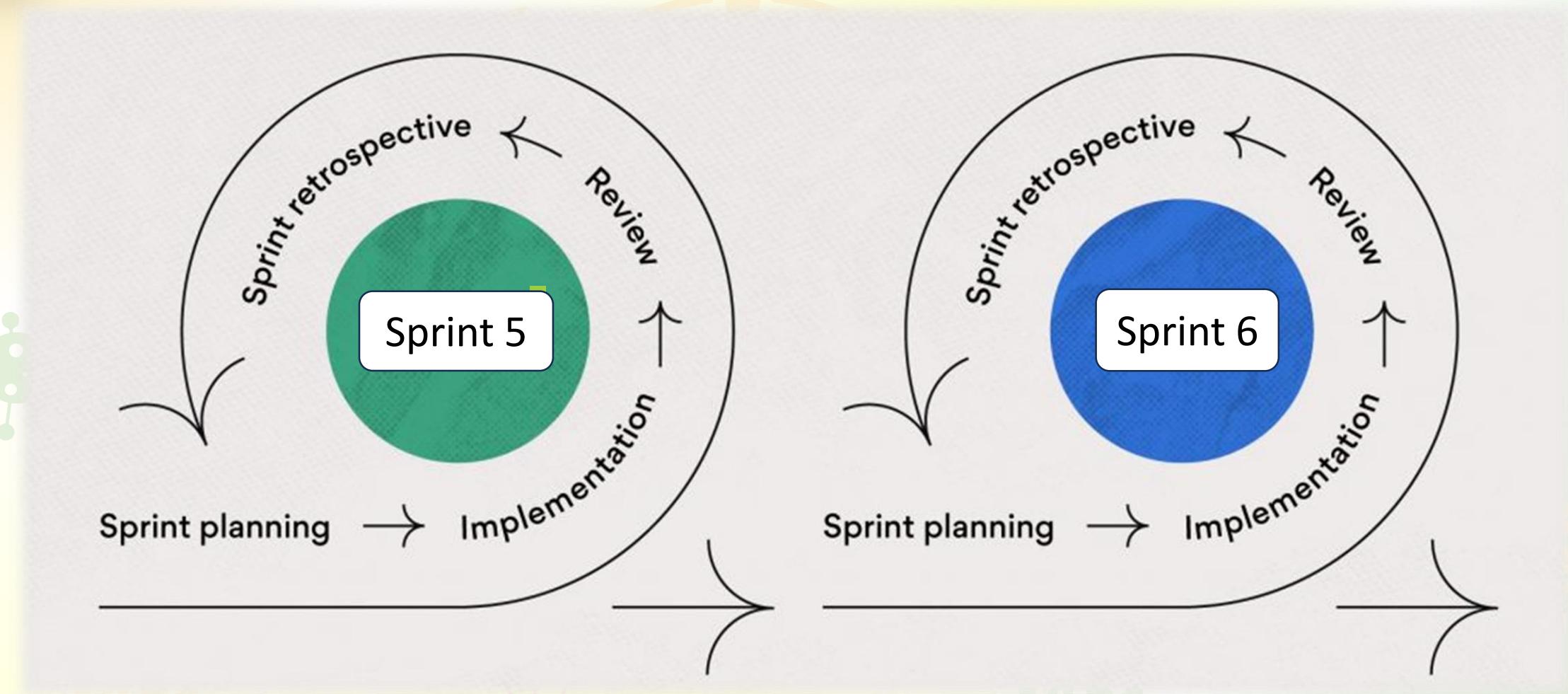
# Sprint 4 Burndown Chart



We committed to 50 story points and completed 26 story points.



# SPRINT 5-6 RECAP



Sprint planning



Sprint 5

Review



Implementation

Sprint planning



Sprint 6

Review



Implementation



# SPRINT 5 RECAP



User Story ID	Issue Type	User Story	Story Points	Status
Cov-24	User Story	As a registered user I want to see the play button in the Bluetooth screen page so that I can start searching for infected users near my location.	13	Done
Cov-25	User Story	As a registered user I want to see the pause button in the Bluetooth screen page so that I can stop searching for infected users in the application.	13	Done
Cov-36	User Story	As a registered user I want to have a option to integrate app with Gmail so that I can use the Gmail to login to the application.	5	Done
Cov-37	User Story	As a registered user I want to have a functionality to enable alerts so that I can turn it on whenever needed.	3	Done
Cov-38	User Story	As a registered user I want to have a functionality to make device not visible to other devices so that I can hide the device from scanning by other devices.	5	Done

- we have implemented Bluetooth functionality which is the core feature of the application.
- we have implemented logic to hide the mobile device from scanning by other devices.
- we have implemented logic to turn on and off the alerts.

**ARMOR**

**Bluetooth Pause Screen**

**Bluetooth Play Screen**

**Disable Alert Screen**

**Home**

**Home**

**Settings**

**ACCOUNT**

Username  
Priyanka Chinni

Mark as COVID-19 Infected

Deleted My Account

Device Enable  
For visible

Device Disable

**ALERTS**

Enable Alert Notification

**HELP**

Send Feedback  
Report technical issues or suggest new features

Play button icon

Pause button icon

Profile icon

Bluetooth icon

Home icon

Bell icon

Covid-19 virus icons (yellow, blue, red, green) are scattered around the screens.



## Enable Alert Screen

**Settings**

**ACCOUNT**

Username  
Priyanka Chinni

Mark as COVID-19 Infected

Deleted My Account

Device Enable  
For visible

Device Disable

**ALERTS**

Enable Alert Notification

**HELP**

Send Feedback  
Report technical issues or suggest new features



## Alerts Screen

**Alerts**

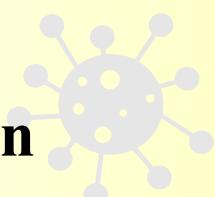
**!** You may have been exposed to a COVID-19 patient

You were exposed during (covsp) 1/1.

Please self-quarantine.

**DISMISS**

**...**



## Displays Notifications

**You may have been exposed**  
a COVID-19 patient.

**You may have been exposed**  
a COVID-19 patient.

**You may have been exposed**  
a COVID-19 patient.

**Warning**  
Please maintain your distance.

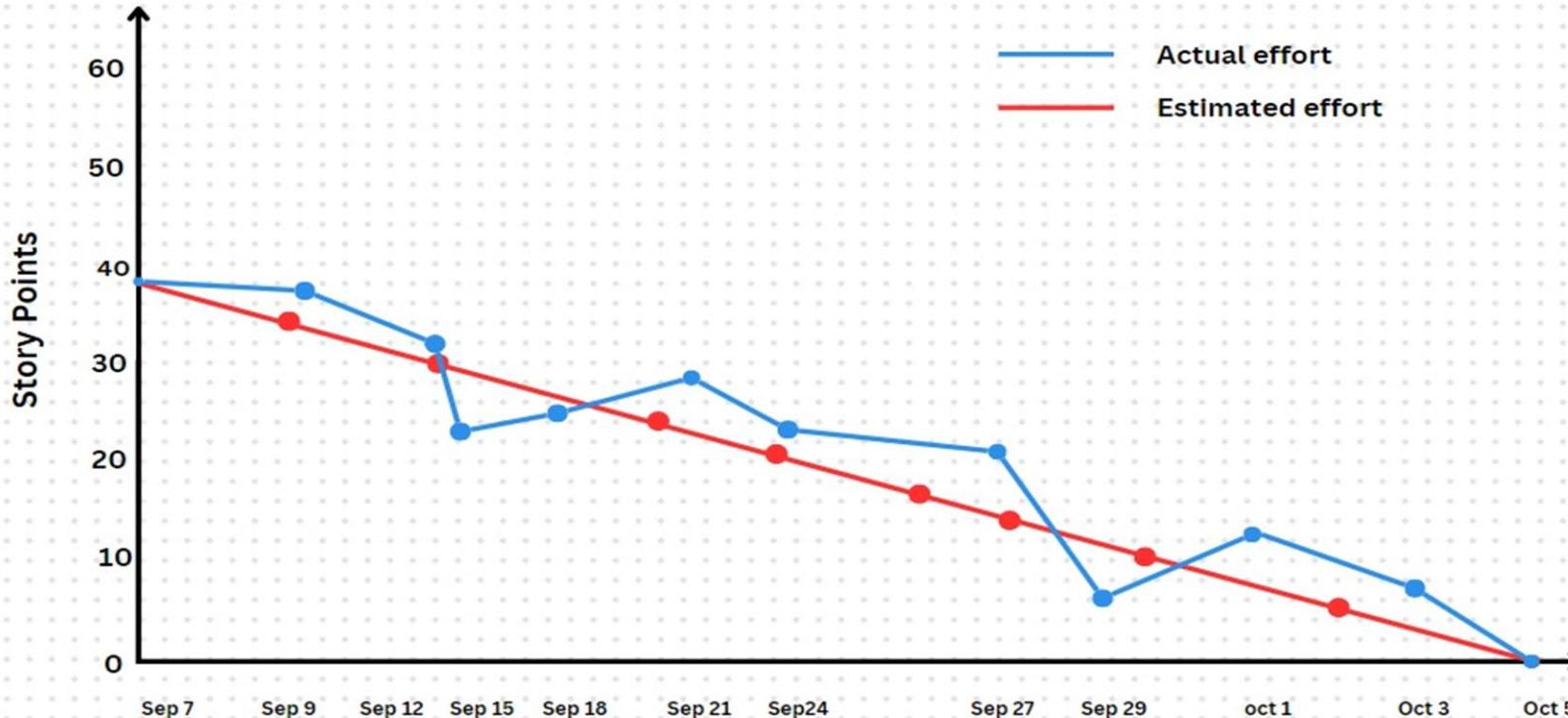
**Warning**  
Please maintain your distance.

**Warning**  
Please maintain your distance.





# Sprint 5 Burndown Chart



We committed to 39 story points and completed 39 story points.

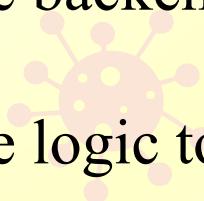


# SPRINT 6 RECAP



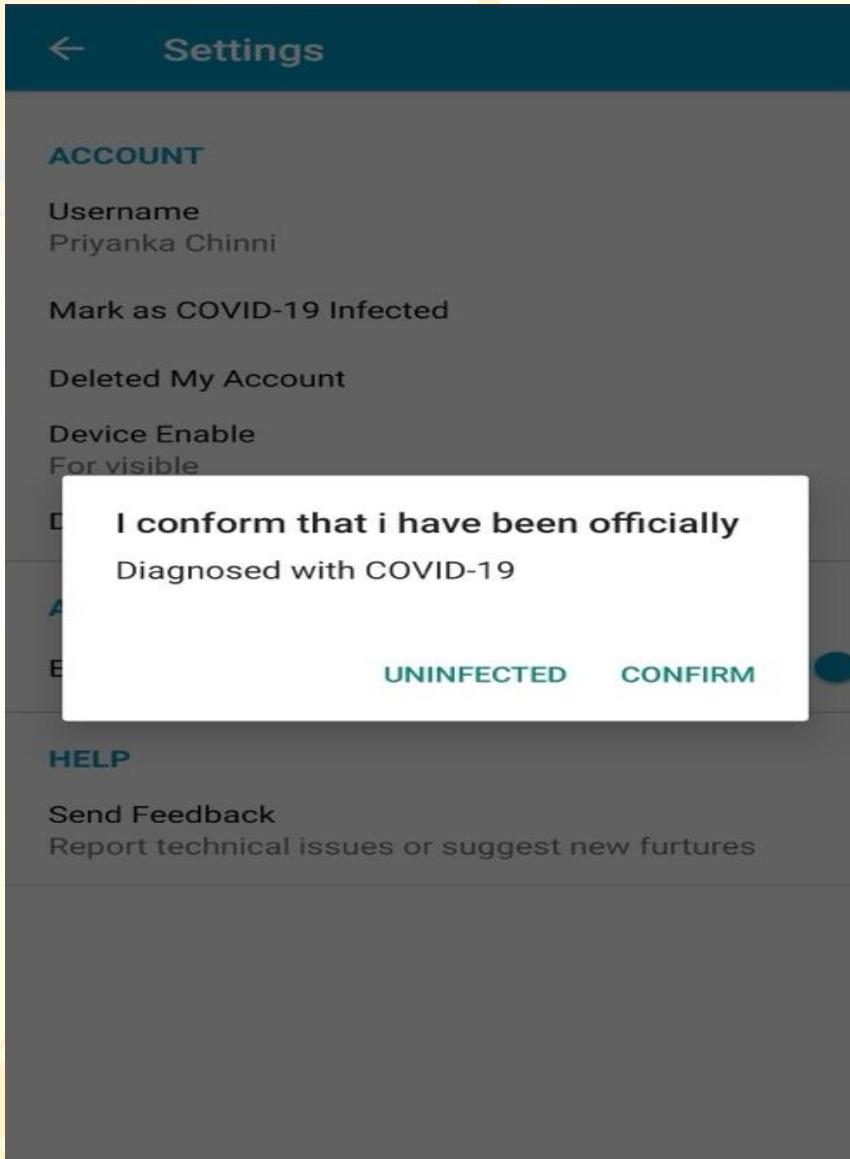
User Story ID	Issue Type	User Story	Story Points	Status
Cov-26	User Story	As a registered user I want to see the option for marking as covid 19 infected person in settings page so that I can update my status whenever I diagnosed with covid.	3	Done
Cov-27	User Story	As a registered user I should be able to send my application QR code to my friend to add in the friend list.	8	Done
Cov-28	User Story	As a registered user I want to see the option for deleting my account in settings page so that I can delete my account.	3	Done
Cov-29	User Story	As a registered user I should be able to white list my trusted friends.	5	Done
Cov-30	User Story	As a registered user I should be able to remove the friends from white list.	5	Done

- we have implemented the logic to send QR code through chatting platforms.
- we have implemented the backend logic to scan QR code and store the friends details in the application database.
- we have implemented the logic to update the covid19 infected status in the application.

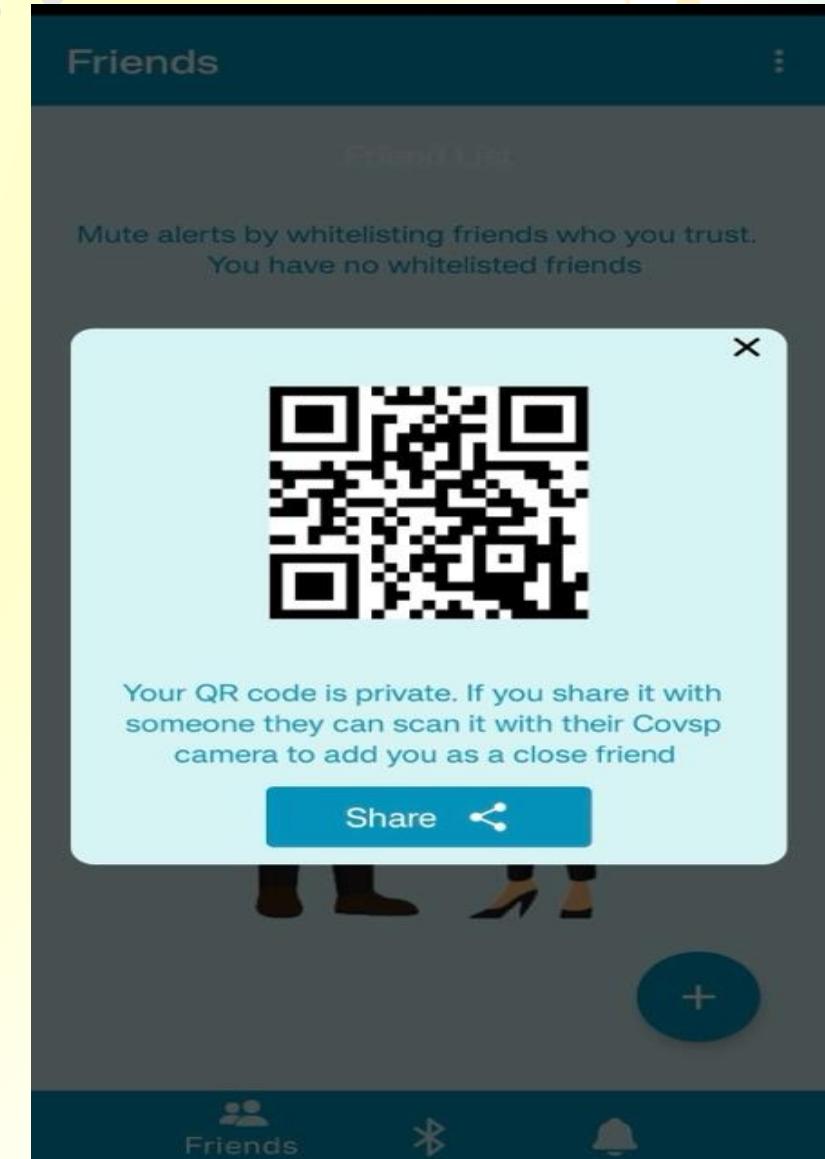




# Covid Status Update Screen



# Share QR code Screen





## Account Delete Screen

Settings

ACCOUNT

Username  
Priyanka Chinni

Mark as COVID-19 Infected

Deleted My Account

Device Enable  
For visible

You want to delete your account  
Please click delete

CANCEL    DELETE

HELP

Send Feedback  
Report technical issues or suggest new furtures



## Add Friends Screen

Friends

Friend List

1. Monalisa Chowdary 2C:A7:EF:A3:31:EC 9/Thu

Display QR Code

Scan QR Code

X

Friends    \*    1



## Delete Friends Screen

Friends

Friend List

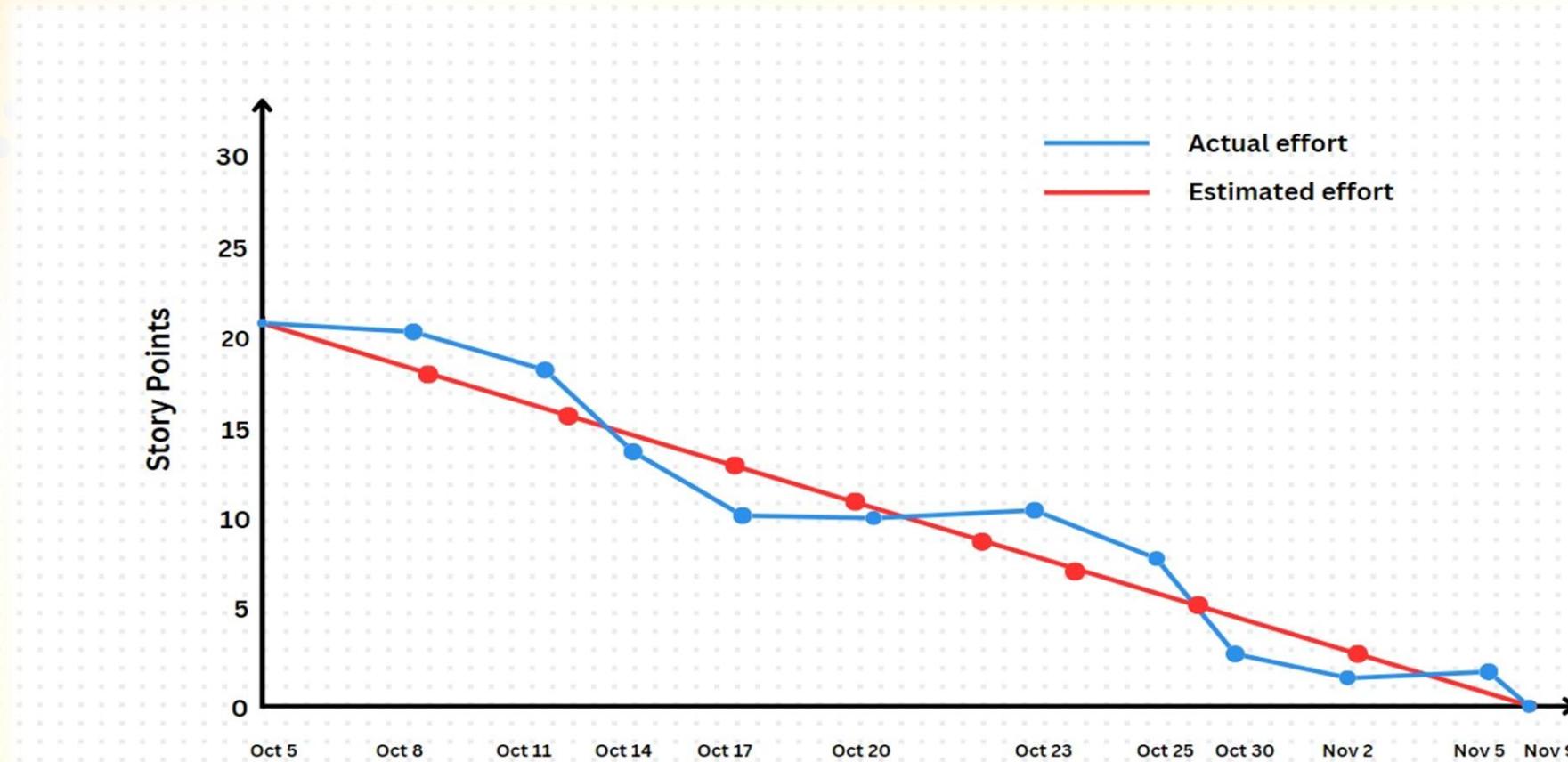
Mute alerts by whitelisting friends who you trust.  
You have no whitelisted friends

+

Friends    \*    1



# Sprint 6 Burndown Chart



We committed to 24 story points and completed 24 story points.



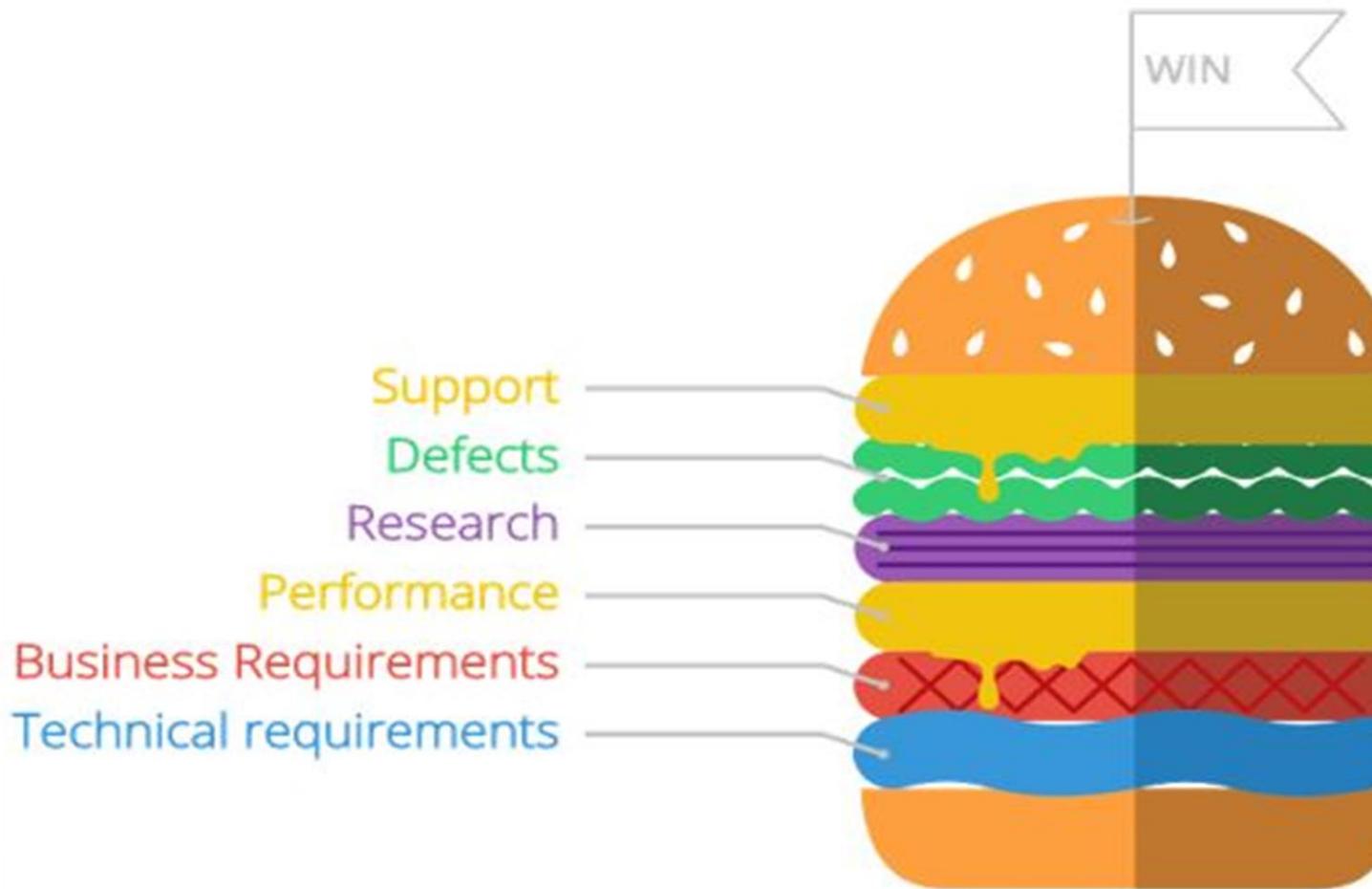
# Improvements made from Feedback professor Sprint 1-7

- ↳ Sprint 1 does not need any kind of metrics.
- ↳ Enhanced the conceptual Architecture Diagram.
- ↳ Corrected the user story points to Fibonacci numbers.
- ↳ Added Issue type in the user story table to differentiate user stories and tasks.
- ↳ Feedback slide can be listed by using bullet points making it more visible to the user.
- ↳ Change the MVP slide introductory image. The image does not show MVP.
- ↳ Added ids in test case table.
- ↳ Changed the Acceptance criteria table to user story tables.
- ↳ Corrected the burndown charts for all sprints.
- ↳ Added the downloadable video link for all sprint presentation and demo videos.
- ↳ The team needs to work more on Retrospective.



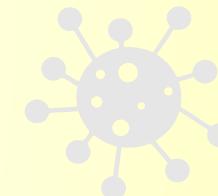


# PRODUCT BACKLOG





# PRODUCT BACKLOG



User Story ID	Issue Type	User Story	Story Points
Cov-1	Task	To gather all the requirements for the project.	8
Cov-2	Task	As a team we should have team work agreement with all rules and regulations.	3
Cov-3	Task	As a team we should divide roles and responsibilities among ourselves to develop the project.	5
Cov-4	Task	As a team we should develop required technical and functional knowledge required to complete the project.	6
Cov-5	Task	As a team we should plan the product requirements and development plan for the project.	8
Cov-6	User Story	As a user I should have a Apk file which can be installed in mobile with basic functionalities.	6
Cov-7	User Story	As a user I should be able to see the welcome page for Application.	4
Cov-8	User Story	As a user I should be able to see the Knowledge page after welcome page , which has information of how application works.	4
Cov-9	User Story	As a user I should be able to give all the required permissions to application to access the required data in mobile.	3
Cov-10	User Story	As a user I should be able to reset the permissions for application anytime.	3



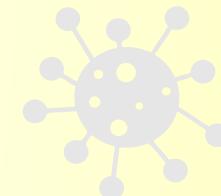
# PRODUCT BACKLOG



User Story ID	Issue Type	User Story	Story Points
Cov-11	User Story	As a user I should be able to see the Registration page for the application.	5
Cov-12	User Story	As a user I should be able to enter the user name and get registered in the application.	8
Cov-13	User Story	As a user I should be able to get pop up notification to turn on Bluetooth if application is being used.	3
Cov-14	User Story	As a user I should be able to get pop up notification, asking required permissions for the application	3
Cov-15	User Story	As a registered user I should be able to see the home page, once I login in to the application.	5
Cov-16	User Story	As a registered user I want to logout from the application so that I can log in again whenever I want.	3
Cov-17	User Story	As a user, I want to create my account to the application so that I can Keep my account private and Signup Using Name, Email and Password.	5
Cov-18	User Story	As a user, I want to login using my email id as my user id so that I can access my account	5
Cov-19	User Story	As a user, I want to navigate between pages so that I can quickly access the features I need	3
Cov-20	User Story	As a user, I want to access the feature in home page	3



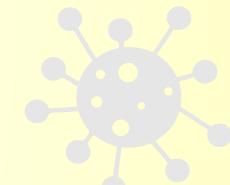
# PRODUCT BACKLOG



User Story ID	Issue Type	User Story	Story Points
Cov-21	User Story	As a registered user I want to see the option for changing the user's name in settings page so that I can change the user's name.	3
Cov-22	User Story	As a registered user I should be able to add my friends through QR code.	13
Cov-23	User Story	As a registered user I want to have a functionality to send feedback about the application so that application management will get feedback from users.	8
Cov-24	User Story	As a registered user I want to see the play button in the Bluetooth screen page so that I can start searching for infected users near my location.	13
Cov-25	User Story	As a registered user I want to see the pause button in the Bluetooth screen page so that I can stop searching for infected users in the application.	13
Cov-26	User Story	As a registered user I want to see the option for marking as covid 19 infected person in settings page so that I can update my status whenever I diagnosed with covid.	3
Cov-27	User Story	As a registered user I should be able to send my application QR code to my friend to add in the friend list.	8
Cov-28	User Story	As a registered user I want to see the option for deleting my account in settings page so that I can delete my account.	3
Cov-29	User Story	As a registered user I should be able to white list my trusted friends.	5
Cov-30	User Story	As a registered user I should be able to remove the friends from white list.	5



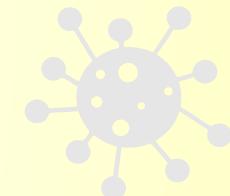
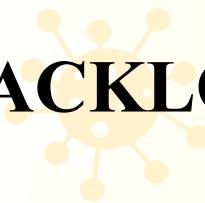
# PRODUCT BACKLOG



User Story ID	Issue Type	User Story	Story Points
Cov-31	User Story	As a registered user I should be able to send feedback to the application support team	5
Cov-32	Task	Preparing Deployment Manual	3
Cov-33	Task	Preparing User Manual	5
Cov-34	Task	Improving Back End and adding Optimization Techniques in the code	8
Cov-35	Task	Preparing API Documentation	3
Cov-36	User Story	As a registered user I want to have a option to integrate app with Gmail so that I can use the Gmail to login to the application.	5
Cov-37	User Story	As a registered user I want to have a functionality to enable alerts so that I can turn it on whenever needed.	3
Cov-38	User Story	As a registered user I want to have a functionality to make device not visible to other devices so that I can hide the device from scanning by other devices.	5

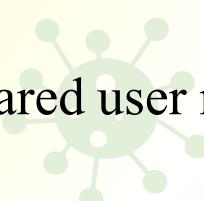
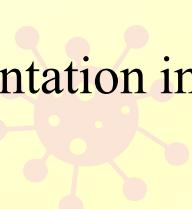


# SPRINT 7 BACKLOG



User Story ID	Issue Type	User Story	Story Points	Status
Cov-31	User Story	As a registered user I should be able to send feedback to the application support team	5	To Done
Cov-32	Task	Preparing Deployment Manual	3	To Done
Cov-33	Task	Preparing User Manual	5	To Done
Cov-34	Task	Improving Back End and adding Optimization Techniques in the code	8	To Done
Cov-35	Task	Preparing API Documentation	3	To Done

- We implemented feedback functionality, user can send feedback about the application to the application support team.
- We have worked on the documentation in this sprint, we have prepared user manual, deployment manual and API documentation.





# ACCEPTANCE CRITERIA TABLE

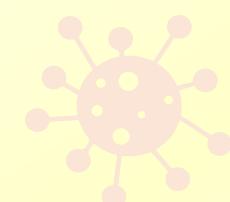
User Story ID	User Story	Acceptance Criteria	Place
Cov-31	As a registered user I should be able to send feedback to the application support team.	Given am a user of the application. I should be able to see option labeled Send Feedback in the settings page. I should be able to click on send feedback option. And I should be able to send feedback through the mail.	Settings page



# TEST CASES

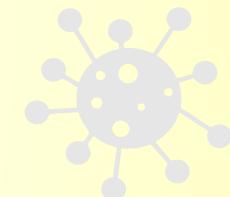


Test ID	User Story ID	User Story	Test Data	Steps to be taken	Expected Result	Actual Result
TC ID-41	Cov-31	As a registered user I should be able to send feedback to the application support team	Username: Technocrats@gmail.com Password: Alliswell@1	1. When the user opens the application and navigate to the settings page then the user should see an option labelled "Send Feedback". 2. Once the user clicks on that option the user can see pop up opened for sending mail. Now the user can send feedback through the mail	A test mail should be sent to Application support team	Mail is sent to the application support team.



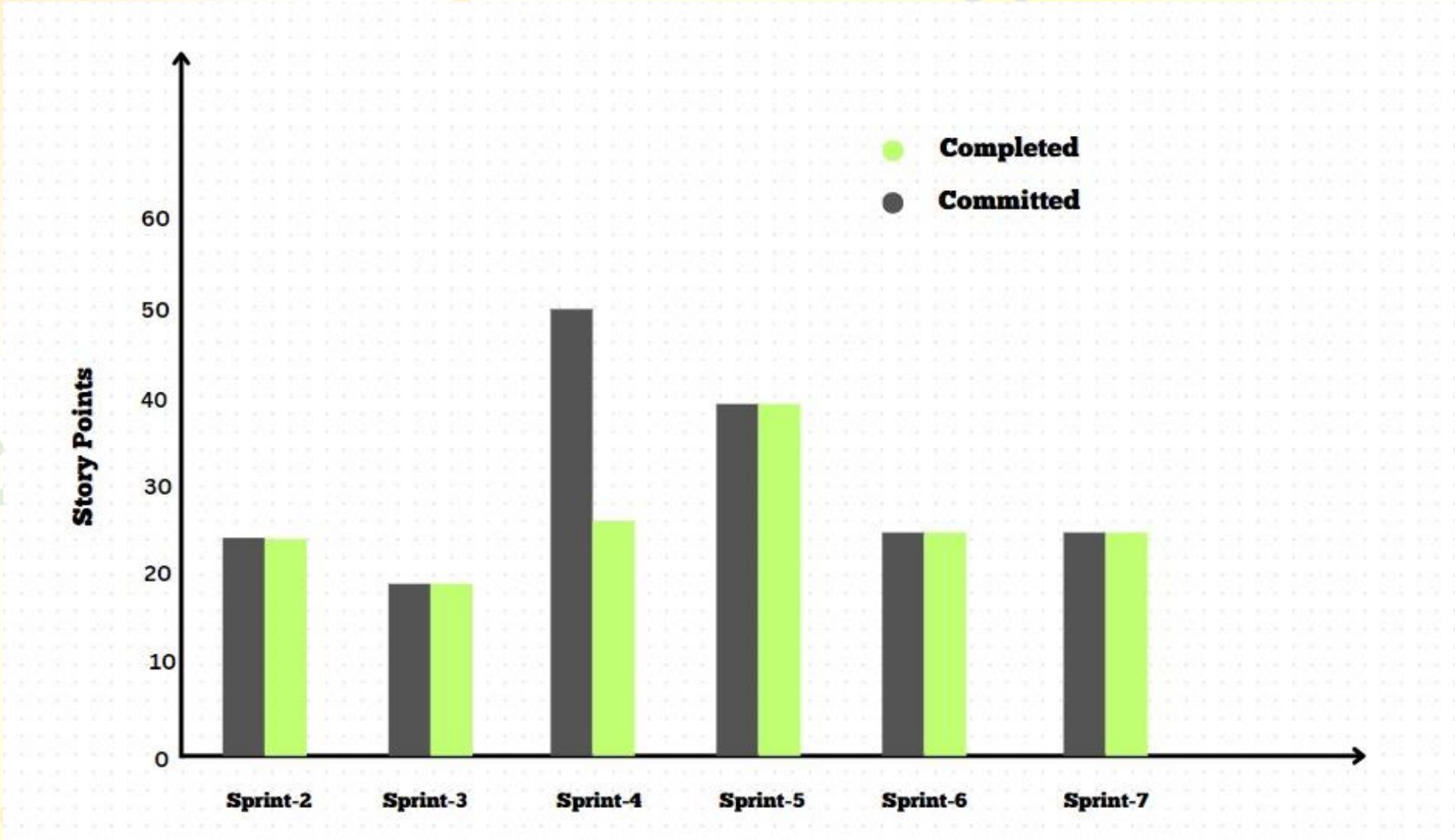


# METRICS



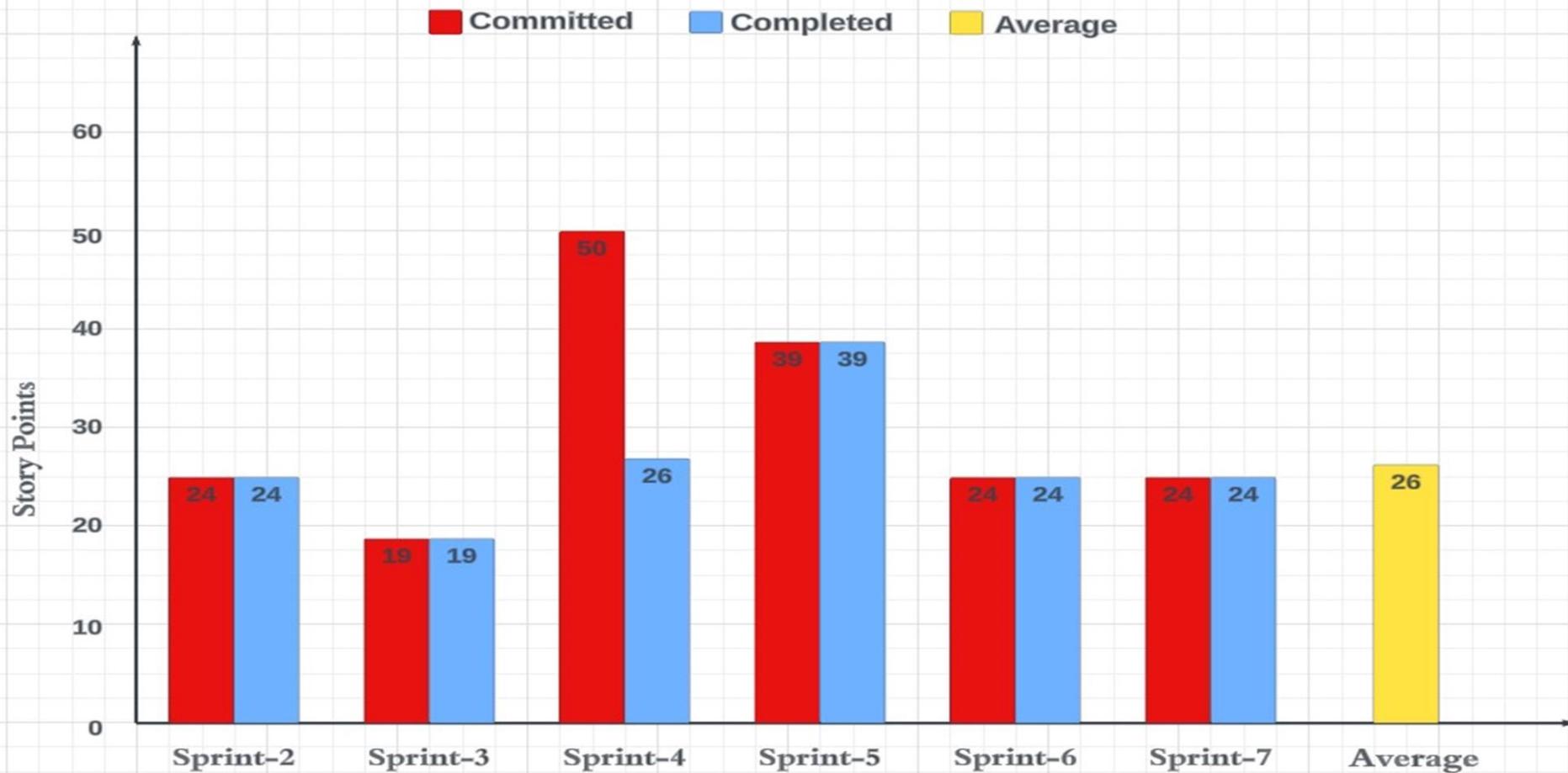


# Team Velocity Chart



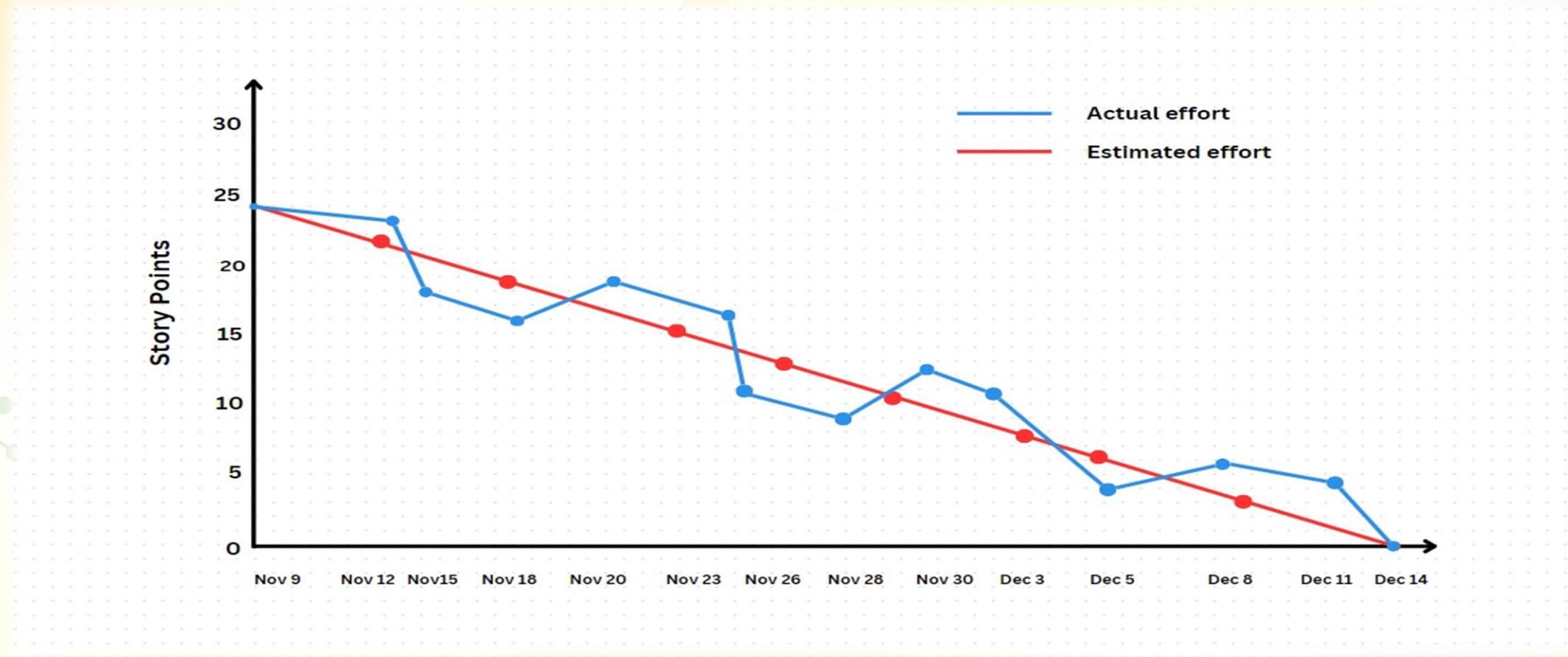


# Team History Velocity





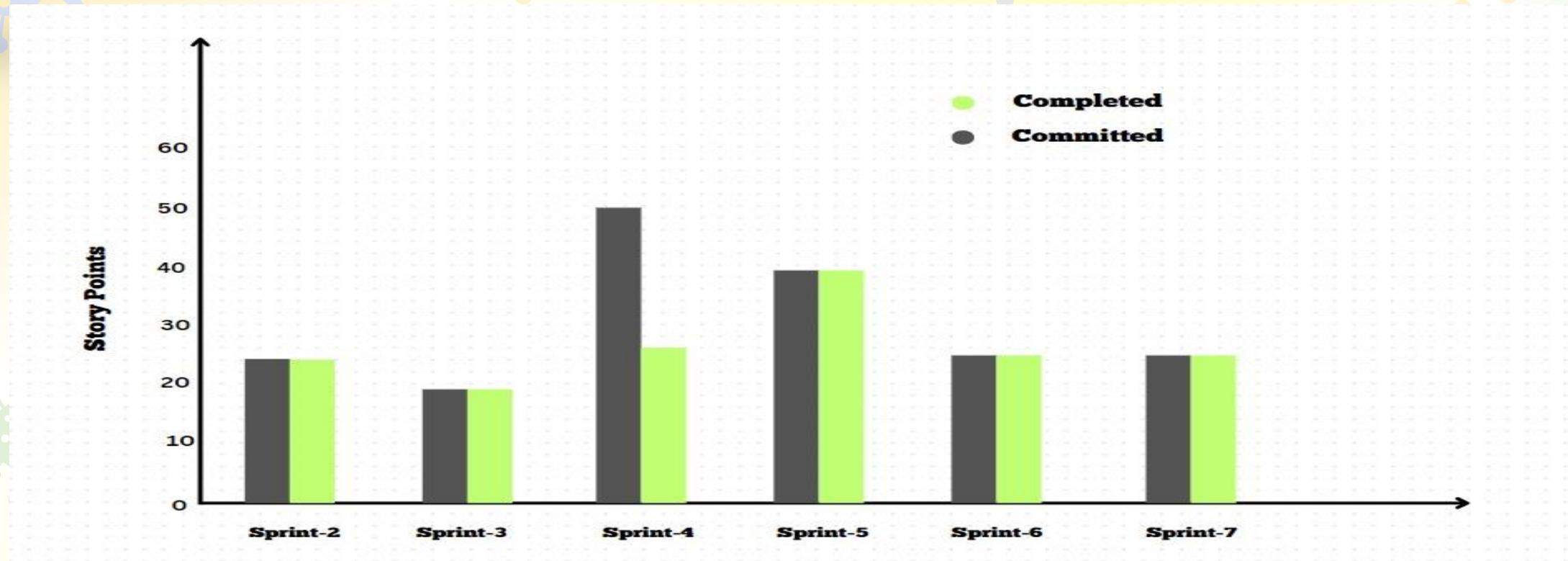
# Burndown Charts



We committed to 24 story points and completed 24 story points.



# Completed/Committed Ratio



Sprint	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7
Committed	24	19	50	39	24	24
Completed	24	19	24	39	24	24
Ratio %	100%	100%	48%	100%	100%	100%



# RETROSPECTIVE

## What went well?

- We have planned everything in advance and executed everything as per the timelines.
- All Team members worked hard to meet the time lines even though we overwhelmed with last sprint works and documentation.

## What needs improvement?

- Identified few issues in last minute which required changes in all the sprints.
- There is communication gap between team members which led to delay in completion of tasks.

## Next steps?

- We can make sure in sprint planning and prerequisite tasks and mandatory things are identified early.
- We can make sure there team members attending the scrum calls with out fail and track the status updates regularly to avoid communication gap.



# App Logo





# PROJECT DEMO SPRINT 7





# PROJECT DEMO SCREENSHOTS



The image shows a screenshot of a mobile application interface titled "Settings". The interface is divided into several sections:

- ACCOUNT**:
  - Username: Jammula Sindhureddy
  - Mark as COVID-19 Infected
- ALERTS**:
  - Deleted My Account
  - Device Enable: For visible
  - Device Disable
- HELP**:
  - Enable Alert Notification (toggle switch)
  - Send Feedback: Report technical issues or suggest new features

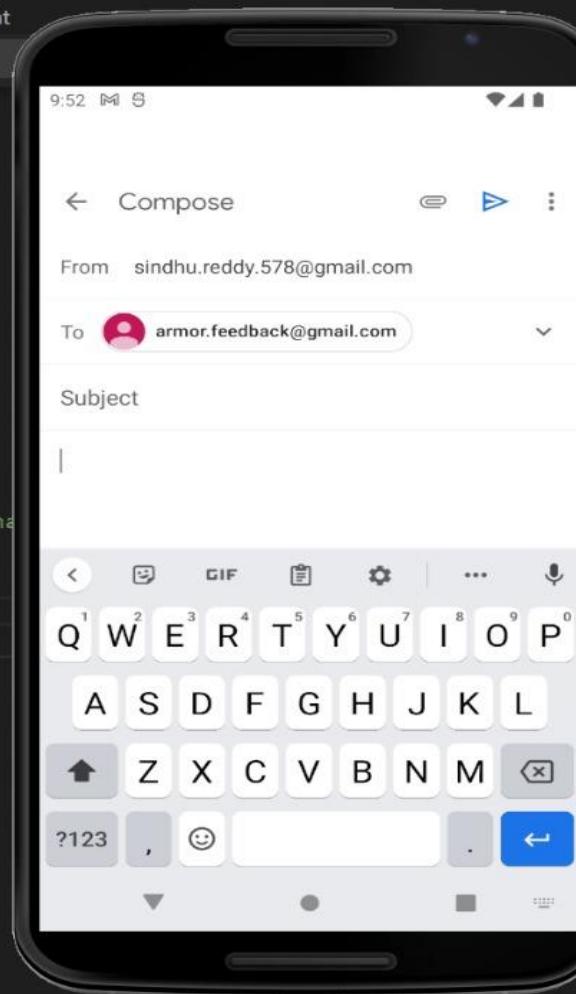
The application is running on an Android device, as indicated by the navigation bar at the bottom.

**VS Code Editor (Left):**

- File Explorer:** Shows project structure under "COVSP\_NEW".
- Editor:** Displays code for "Friends.js" in the "Screens" folder. The code includes logic for fetching friends and setting up header right icons.
- Terminal:** Shows log output related to device scanning and permissions.
- Bottom Status Bar:** Includes file count (2), spaces (2), and various developer tools like Go Live and Prettier.



# PROJECT DEMO SCREENSHOTS



The image shows a mobile application interface on a virtual device. The screen is titled "Compose" and displays an email message being drafted. The "From" field contains "sindhu.reddy.578@gmail.com", and the "To" field contains "armor.feedback@gmail.com". The message body is empty, indicated by a single character '|'. At the bottom of the screen is a standard QWERTY keyboard.

File Edit Selection View Go Run ... ← → Covsp\_new

EXPLORER pp.js Settings.js style.js ...\\Settings Home.js style.js ...\\Home Friends.js Login.js 2 ...

src > screens > Friends > Friends.js > Friends > useLayoutEffect() callback > headerRight

```
    78
    79     }, []);
    80
    81     useEffect(() => {
    82         getFrinds();
    83
    84     }, [refres]);
    85
    86
    87
    88 //Headeer Icons
    89 useLayoutEffect(() => {
    90     navigation.setOptions({
    91         headerRight: () => (
    92             <View style={{flexDirection: 'row'}>
    93
    94                 /* <TouchableOpacity onPress={() => { }}><MaterialIcons name="close" />

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS



```
LOG setScanDevices.. []
LOG userble.. []
LOG tabs size devices 0 0
LOG setScanDevices.. []
LOG userble.. []
LOG opensetting
LOG Location granted
LOG Scan granted
LOG android permission.. android
LOG bluetth name Jammula
LOG userData Setting null
```

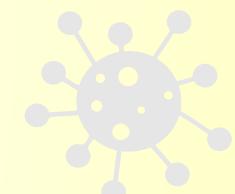


Ln 97, Col 1 Spaces: 2 UTF-8 CRLF { JavaScript Go Live Prettier

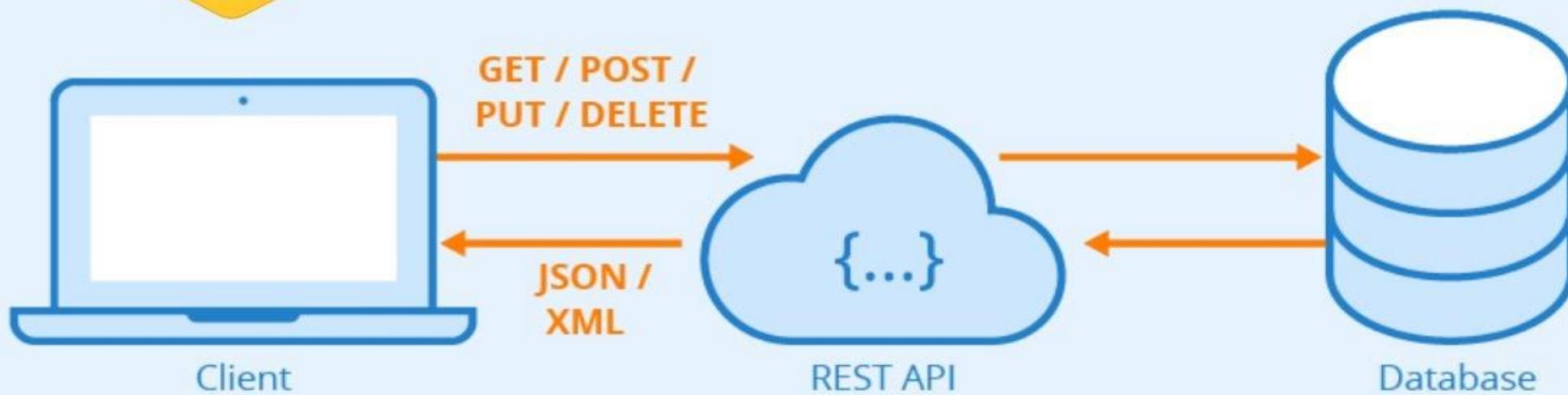

```



API



# Firebase





**GITHUB LINK**



<https://github.com/htmw/2023S-Team1/wiki>





Thank  
you!