Individual Contribution Report
G27

We created an organization in GitHub and here is the link to it. You can check the repositories in the organization. Also, we sent an invitation to join the organization to *y3projects@ucsc.cmb.ac.lk* *email address*

Organization

Green-Core - https://github.com/Green-core

Repositories

Documents - https://github.com/Green-core/Documents
- To handle designs and documentation of the system (All members contributed in design and documentation)

Mobile-App - https://github.com/Green-core/Mobile-App
- For the frontend of the mobile app

Mobile-App-Backend - https://github.com/Green-core/Mobile-App-Backend
- For the backend of the mobile app

Web-App - https://github.com/Green-core/Web-App
- For the frontend of the web app

Web-App-Backend - https://github.com/Green-core/Web-App-Backend
- For the backend of the web app

Arduino - https://github.com/Green-core/Arduino
- For the IoT device

IoT-Device - https://github.com/Green-core/IoT-Device
- For the backend server of the IoT device

Individual Contribution

B A Medawatta - 17001072

Repository - Web-App
Branch - Development
Componentes
- Chat Module for Admins
  - Send Message - for admins to send messages to users regarding vulnerable units
  - Reply Message - for admins to reply messages from users
  - View All Messages - to view all the messages
  - View Single Message - to view single message
  - View New Messages - to view new (Unread) messages
- Navigation - Web App navigation

Repository - Web-App-Backend
Branch - Development
Routes
- /chats - API endpoints related to chat module
  - /reply - API to reply message
  - /send-message - API to send message
  - /get-all - API to view all messages
  - /get-one - API to view single message
  - /get-unread - API to view unread messages
  - /viewed-message - API to mark viewed messages

Repository - Mobile-App
Branch - dev
Components
- Chat Module for Users
  - Send Message - for users to send messages to admins regarding issues with IoT units
  - Reply Message - for users to reply messages from admins
  - View All Messages - to view all the messages received and sent
  - View Single Message - to view a single message

Repository - Mobile-App-Backend
Branch - dev
Routes
- /chats - API endpoints related to chat module
  - /reply - API to reply message

- /send-message - API to send message
- /get-all - API to view all messages
- /get-one - API to view single message
- /get-unread - API to view unread messages
- /viewed-message - API to mark viewed messages

Repository - Arduino
Branch - master
Components
- Humidity and Temperature detection
- Soil Moisture Detection
- Light intensity control

Repository - IoT-Device (Backend server of IoT Device)
Branch - master
Routes
- /units
  - /connect-unit - to create a new IoT device document
  - /update-data - to update sensor data
  - /get-actuator-status - to get status of actuators (If in manual configuration the user switches on an actuator the IoT device should respond to it)

J A N C Niroshana - 17001196

Repository - Mobile-App
Branch - Dev
Components
- Units
  - Link units - Helps users to connect new IoT Devices
  - View linked units - View all connected units owned by the user
  - View Unit details - View more details about a unit
- Control actuators - Control actuators related to a single unit
- Account settings - Change password of the user
- Profile settings - Change username and telephone number related to a user
- Notifications   - View notifications related to a user

Repository - Mobile-App-Backend
Branch - Dev
Routes
- /units - API endpoints related to receive and update data related to units
- /notifications - API endpoint to receiving notifications

- /users/check - API endpoint to check existing password using ID
- /users/update/ - API endpoint to change the current password of a user
- /users/account/update/ - API endpoint to change profile-related data of a user

K C Gamage - 17000475

Repository - Mobile-App
Branch - dev
Components
- Splash screen – Every time app opens this screen will show up
- Login
  - User can login with email and password
  - Validation
  - Receive JWT Token to secure all endpoints
  - Persistent login with React context API and Asyncstorage
  - Check JWT Token expiration period
- Signup
  - Register user
  - Validation
  - Email verification
- Navigation
  - All components navigation
  - Drawer navigation
- Forgot Password
  - Request email screen
  - Verify code screen
  - Reset password screen

Repository - Mobile-App-Backend
Branch - dev
Routes
- /users/login
  - Check login credentials
  - Generate JWT Token
- /users/register
  - Check signup fields
  - Send email to users with verify code
- /users/forgotPassword
  - Check email field
  - Generate verify code
  - Update user document with verification code and expiration time
  - Send email to the user with verify code
- /users/checkToken

- Check verify code is valid or expired
- Update user document to stop another attempt
- /users/resetPassword
    - Check password and Confirm Password field
    - Update the user's password

H U K M Pabasara - 17020611

Repository - Web-App
Branch - Minura
Components
- Admin module
    - View admin details component - Admins can see their own details
    - View all admins component - Admins can see all admins that are registered
- Unit module
    - View Vulnerable units component - Admin can see the units which are at risk

Repository - Web-App-Backend
Branch - minura_dev
Routes
- /users
    - /get/:id - API to view admin (currently logged in) details
    - /get-all-admins - API to view all details of all admins in the system
- /units
    - /view-vulnerable-units - API to view vulnerable units

M.M.H Tharushika - 17001765

Repository - Web-App
Branch - hasini
Components
- Signup Component
    - Register User
    - Validation
- Login Component
    - User can login with email and password
    - Validation

Repository - Web-App-Backend
Branch - hasini
Routes

- /signup- Api to register new users
    - /add - Api to save new user details.
    - /get - Retrieve all the registered users.
    - /login - Api to login registered users.

- /auth- Generate JWT token

K.S.A Ahamed - 17020034

Repository - Web-App
Branch - aathil_dev
Components

- User Module
    - View all users - Admins are able to see all users in the system
    - View single user - Admins are able to see the particular user's details by clicking the "view" button.
- Unit module
    - View all units - Admins are able to see all units in the system
    - View single unit- Admins are able to see the particular unit's details with respective graphs and charts by clicking the "view" button.
- Admin module
    - Update admin details component - Admins can update their own details

Repository - Web-App-Backend
Branch - aathil_dev
Routes

- /users
    - /get-all - API to view all users' details
    - /get-one - API to view a particular user's details
    - /update/:id - API to update admin's details
- /units
    - /get-all - API to view all units' details
    - /get-one - API to view a particular unit's details