



Northern Illinois
University



Project Charter

NIU SAFE APP DEVELOPMENT

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1. Project Description

NIU safe app is authorized app which is run by the university to take good care about the students and staff. Many of the students are not aware of this app because of poor development.

So, we want to develop this existed app by adding some more features like

- Live tracking of the students to reach them easily when they are in risk.
- Warning alerts about the criminals and weather in quick way.
- Live weather information in their location when they go outside of the city also.
- Health information of the students.
- Booking appointments in the university.

2. Project Purpose

Our project mainly describes safety measures for the NIU students which help to inform the help departments about their risks in easy manner by using NIU safe app and to improve the drawbacks. Also to improve the weather forecast by giving live updates in their location.

3. Business Case

Using NIU Safe app we can provide safe environment in university surroundings, and They can reduce the crime rate. Students can visit the university any time and use opportunities available like library or other services.

4. Business Requirements

Contact the appropriate services for the NIU area in the event of an emergency or a non-emergency problem.

Suspects information: provide suspects pictures and names in the NIU Safe app who had already involved in previous crimes.

- Panic Button / Mobile Blue light: In the event of a catastrophe, send your location to Public Safety in real time.
- Friend Walk: Use your mobile to send your whereabouts to a friend via email or SMS.
- Tip Reporting: There are several methods to submit a safety/security issue to NIU Public Safety.
- Virtual Walk Home: Allow NIU Public Safety to track a user's progress. If a user feels uncomfortable while going around campus, they should report it.

5. Assumptions

We need to add new features for previous app like new elements, interface for changing, new resources and features. The project's scope has not been compromised and has been expanded.

6. Constraints

- Budget: we have the limited budget and limited resources.
- Deadline: these are the main issues we need to complete with in time.
- Team availability: There will be delay in team work during work time because of team availability.
- Limited resources: it effects the project importance.

7. Risks

- Privacy issues to the users by sharing their location & data.
- There may be a chance of information leakage to unauthorized people.
- Server crashes may occur occasionally.

8. Project Deliverables

The complete working of NIU SAFE APP witch can provide all the information of crimes and pictures suspects in crime. Providing crime free environment in university surroundings.

9. Project Milestones

Identify the project milestones.

Milestone Date	Milestone Name	Milestone Description
[Jan 30]	Information gathering	Gather information from the current app like drawbacks And what we want to develop in the app.
[Feb 15]	Developing Software	Developing the software and correct the drawbacks and improve the app.
[Feb 20]	Testing code	Test the developed app without any code errors and run successfully.
[Mar 01]	Deployment	The app is ready to use by students and faculty.

10. Project Manager

Gopichand Buddi is the project manager have the plenty of work experience in project execution. familiarity with the collaborative and time management capabilities of SmartSheet software, Knowledge of process improvement and inventory control, PMP Accreditation, Superior time management and analytical abilities, Microsoft Excel proficiency is required, Outstanding client-facing communication abilities. He will ensure that the team works well together by building a work breakdown structure that will make tasks easier to perform.

11. Project Roles and Responsibilities

Name	Role	Responsibilities
Gopichand Buddi	Risk Management	<ul style="list-style-type: none"> • Conducting risk assessments of the information technology control structure. • Completing implementation efforts for a variety of technical programmes • Create and maintain an external network of senior IT risk specialists as well as relevant risk in organization. • Working in collaboration with and in accordance with in and third party auditors. • Considering alternate methods of lowering the firm's risk to catastrophic loss • Giving technical advice to employees, coworkers, and/or customers
	Team Lead	<ul style="list-style-type: none"> • Focused on team development activities toward effective project completion. • Through coaching and mentorship and provide technical leadership to employees or co-workers. • Maintain high software quality standards within the team by developing solid procedures and habits. • Identify and promote avenues for team growth and improvement. • Work with other software engineers, business analysts, and software architects to plan, design, create, and test a products quality.
Vineela Karnatapu	Testing Lead	<ul style="list-style-type: none"> • Enhances the system's quality, dependability, and performance. • In market, produces a high-quality product. • Developing and guiding the Testing Team to project success and make sure all activities will be success full. • Defining the scope of testing and need of testing for each release / delivery. • Deploying and managing testing resources.
Hemanth Pothineni	Developer Lead	<ul style="list-style-type: none"> • he is usually in charge of overseeing the work of the software developers. • Educate students on how and what is involved in programming.

		<ul style="list-style-type: none"> • Offering and guiding to personnel who have faced a difficulty. • When they run out of supplies, it is his responsibility to provide them. • Making certain that everyone gets the necessary resources. • He is the one reports to the manager on the company's and software engineers' behavior. • He will guide and improve the abilities of his or team members. • He is in favor of the company's advancement.
Vineela Karnatapu	Database Admin	<ul style="list-style-type: none"> • Participates actively in the planning and implementation of new organizational-wide systems and applications and new technologies. She is also providing assistance during installation based on certain duties. • • Executing the Department's work plan. she meets with the employees to identify any problems, implement solutions, and address them. • • Monitors the efficiency and efficacy of all database resources to maintain an unbroken flow of work as a result of technology. • • Ensures maximum service by identifying areas for improvement and making new recommendations.

12. Project Life Cycle Methodology and Tools

For the work process we are using waterfall-type method. for app development Java and .net for back-end development MongoDB. Tools using for the project is Microsoft project management for scheduling work, Excel for maintain students data, for importing data we use sis.

13. Authorization

Provide the names of those business sponsors that must sign the Project Charter. Once the project Charter is signed by the project sponsors, the project is authorized to start. Only the students and staff of NIU are authorized to use this app and can get help from the respected department.

Approved by the Project Sponsor:

Prof. John Pendergrass
[Project Sponsor]

Date: 02/02/2022.

Professor, Northern Illinois University