Technological Requirements

A. Technological Requirements

1	TECHNOLOGY	IMPORTANCE (1-5)	USAGE
2	Computer/Laptop	5	100%
3	WIX	5	100%
4	WordPress	5	100%
5	PHP	1	10%
6	MySQL	1	10%
7	Mobile Devices	5	80%
8	Browsers	5	80%

Technology:

a. ***Computers or Laptops*** – This is the most important tool for our project, without it, we would not be able to start or finish our project.

   IMPORTANT FACT – We are going to need a lot of types of screens because the website we are building is not optimized in every computer or laptop screen. We are working on making it very accessible to people without any inconveniences.

   PROS:
   1. It is very powerful, fast, and capable of creating websites and any kinds of projects software-wise. You can easily use the website-maker's full potential sue to a huge screen and extra features that is only exclusive to computers.

   CONS:
   1. Hardware technical difficulties. Not every computer is meant to last forever, they will eventually lose power and capabilities as they go slower to the point that it will no longer be usable.

b. ***WIX*** – Is one of the most important tools in our arsenal of technologies, without it, we would not have mock-up at all.

IMPORTANT FACT – We were planning on using Figma but due to people's experience with it which is none, we resorted to what we know and that is WIX. WIX is a website builder but we insisted on using it because it is very easy to use and we were able to easily lay out the designs and functionalities we need.

PROS:
1. WIX is so easy to use and you can create a prototype website on the go. Navigating through its menu and tools is a walk in the park.

CONS:
1. It is not fully equipped with features that WordPress has. WordPress has more advanced customization.

c. ***WordPress*** – Is the center of everything in our technologies used, without it, we would not have a project at all.

IMPORTANT FACT – Our stakeholders requested us to learn and use WordPress for their website. They are convinced that WordPress stands atop the food chain of best Website Builders and so are we. WordPress has a lot of features and advanced customization and this will greatly benefit our team when making the website for the stakeholders because we can easily follow their requests and suggestions when it comes to design and functionality.

PROS:
1. WordPress is packed with features and customization, allowing its users to easily mold their websites to their liking.

CONS:
1. It is hard to use due to its vast number of tools and features.

d. ***PHP*** – PHP is not that important in our project but we included it here because it is part of WordPress.

IMPORTANT FACT – PHP may not be that important but since it is part of WordPress, it is a must to have a basic understanding of how PHP works in a website.

PROS:
1. PHP is a server-side language, it is one of a websites important body part when it comes to a dynamic website. Having a basic understanding of PHP is a plus.

e. **_MySQL_** – is like PHP in terms of importance. It is not important but it is good to have a basic understanding of MySQL.

   IMPORTANT FACTS – Database is important in a website, being able to store information is convenient and somehow secure. Our stakeholders need a website that can take-in and take-out important types of information such as images and confidential information.

   PROS:
      1. MySQL is a database, no more or less than that. It is good to know how databases work because it is an important part of a website.

f. **_Mobile Devices_** – Mobile devices are one of the most important tools in a person or user's life. There will be a time where laptops are just too hard to carry and use.

   IMPORTANT FACT – Like we said in the **COMPUTERS/LAPTOP** section. Screen is an important factor in a website, the content must fit in every kind of screen. Mobile devices have very tiny screens compared to computers and laptops and we want to make the user experience smooth as possible. We are using this for testing.

   PROS:
      1. People can easily access the website with just using one hand and they can check in every time whenever a notification pops up from the Church.

   CONS:

      1. A tiny screen can make it hard for people to read and navigate through content.

g. **_Browsers_** – A website is nothing without a browser. It is the most essential tool in building a website.

   IMPORTANT FACT – It is important to run websites on different browsers to check compatibility and optimization. Not all browsers can run the same thing.

   We won't really need a **PROS** and **CONS**, but what is important is that we are able to use our website in every browsers.

B. Learning Plan

	TECHNOLOGICAL SKILLS REQUIRED	IMPORTANCE (1-5)
1		
2	Creativity	5
3	Understanding of MySQL	1
4	Understanding of PHP	1
5	Understanding of WordPress	5

Team Member Responsibility

Phoenix Armand Ani
  a. Creating the Designs and Layout
  b. Keeping in touch with the Stakeholders

Do Nam Huynh
  a. Implementation of the designs
  b. Managing the resources needed for content

Minh Nhat Vo
  a. Testing every browser and computer screens for compatibility
  b. Optimization and configuring

Learning Plan

Phoenix Armand Ani

- Start Date: November 25, 2022
- Technology Used: Computer
- Resources: WIX

Do Nam Huynh

- Start Date: December 7, 2022
- Technology Used: Computer
- Resources: WordPress

Minh Nhat Vo

- Start Date: December 10, 2022
- Technology Used: Computer, Mobile Devices
- Resources: WordPress