Project Proposal

**Introduction:**

This proposal aims to address the environmental impact of traditional paper-based business cards by introducing a new solution of permanent NFC business cards made of polyethylene. The proposal outlines the project management strategy, requirements, timeline, and expected outcomes for the implementation of this solution.

**Problem:**

The excessive use of paper-based business cards results in a significant amount of waste and environmental impact, including deforestation, water usage, and carbon emissions.

**Solution**:

To reduce these impacts, we propose using permanent NFC business cards made of polyethylene, which can be reused and reprogrammed, reducing the need for paper-based cards.

Goal 1: Produce a Product that Can be Reused and Recycled

The NFC cards will be made of polyethylene, a type of plastic that is durable and long-lasting. These cards can be reused and recycled, reducing the amount of waste generated compared to paper business cards.

Goal 2: Save Trees

By using NFC cards instead of paper business cards, the number of trees cut down for the production of paper will be reduced. This will have a positive impact on the environment, as trees play a crucial role in producing oxygen and reducing the amount of carbon dioxide in the atmosphere.

Goal 3: Save Water

The production of paper requires a large amount of water, but with the use of NFC cards, this water can be saved and used for other purposes, such as watering trees. This will have a positive impact on the environment, as water is a precious resource that should be conserved whenever possible.

Goal 4: The goals of reducing other effects (noise, dust, and traffic), damage to the ozone, decrease in waste and decrease in carbon emissions are all related to creating a more sustainable and environmentally friendly world. By reducing noise, dust, and traffic, we can reduce the negative impact these activities have on the environment and the health of people and animals living in the area. Decreasing waste and carbon emissions can help reduce the negative effects of climate change and contribute to a healthier planet. Reducing the damage to the ozone can help protect the delicate balance of the Earth's atmosphere and prevent harmful radiation from reaching the planet's surface. All of these goals are important and require collective effort to achieve.

**Success criteria:**

Reduce the number of destroyed trees to less than 15 billion trees per year.

Reduce water usage to less than 4 trillion cubic meters per year.

Reduce carbon emissions to less than 37.12 billion metric tons per year.

Increase the recycling rate to over 10% per year.

Reduce waste to less than two billion tons per year.

**Project Management Strategy:**

The Agile Project Management strategy is a flexible and iterative approach that emphasizes collaboration, customer satisfaction, and continuous improvement. The five points you mentioned are key components of this approach:

Minimizing bugs: By using an Agile approach, teams can identify and fix problems early in the development process, reducing the number of bugs in the final product.

Allowing testing: Agile emphasizes the importance of testing throughout the development process. This helps ensure that the product is of high quality and meets customer needs.

Separate work on different phases: Agile allows for the project to be broken down into smaller, manageable chunks, allowing different team members to work on different aspects of the project simultaneously.

Ability to step back and make edits: Agile is a flexible approach that allows for changes to be made throughout the development process. This means that if the team discovers a better way to do something or if customer needs change, the project can be adjusted accordingly.

Competing on time: Agile prioritizes delivering a working product as soon as possible, rather than waiting until all features are completed. This allows the team to get feedback from customers and make improvements more quickly, helping the project stay on track and meet its deadline.

**Project Requirements:**

The NFC (near-field communication) chip is a crucial component in the project as it enables the functionality of the permanent NFC business cards. The availability of the NFC chips is essential for the project's success, and therefore it is a requirement.

A senior web development team is required to design and deploy the website, which will be the platform where customers can input their information and receive reminders for appointments. The website must be accessible 24/7 for customers' convenience.

The employees handling the NFC business cards must undergo training courses to familiarize themselves with the new technology. This will ensure that the employees are equipped to handle the new cards and can provide the best possible service to customers.

The website must have a form page where customers can input their information, and a reminder page for appointments. This feature makes the website user-friendly and helps customers keep track of their appointments.

In conclusion, these requirements are necessary for the successful implementation of the project and will ensure that the permanent NFC business cards can be used effectively and efficiently by customers.

**Timeline:**

Preliminary proposal approval (17/2/2023)

Requirements review (20/2/2023)

Finishing planning phase (2/5/2023)

Final proposal approval (20/5/2023)

Website deployment (1/6/2023)

**Budget:**

The estimated budget for the implementation of the project is $12,000.

The budget of $12,000 is an important aspect of the project, as it will determine the resources available for the project and the scope of work that can be done within the budget. It is important to ensure that the budget is allocated effectively and efficiently in order to meet the goals and objectives of the project. The budget should cover all the necessary expenses such as purchasing the NFC chips, hiring a senior web development team, training employees, and maintaining the website. The budget should also provide room for unexpected expenses and contingencies. By accurately estimating the budget, the project team can ensure that the project is completed on time and within budget.

**Revenue and ROI:**

Revenue and ROI are important factors that help determine the feasibility and potential success of a project. The revenue is the amount of money the project is expected to generate, and the ROI is the return on investment, which shows the profit margin of the project compared to the initial investment.

In this project, the expected revenue is $60,000 and the ROI is 400%. This indicates that the project has a high potential for success, as the ROI is 4 times the initial investment. This means that for every $1 invested, the project is expected to generate $4 in return.

The profit from the project, which is estimated to be $48,000, is the difference between the revenue and the initial investment. This is a crucial factor that determines whether the project will be profitable or not.

In conclusion, the high expected revenue, ROI, and profit show that the NFC business card project has a high potential for success, and will bring significant benefits for the environment, the business, and its customers.

**Conclusion:**

The implementation of permanent NFC business cards can significantly reduce the environmental impact of traditional paper-based business cards. By meeting the project requirements, completing the project on time, and achieving the expected revenue and ROI, this project has the potential to bring significant benefits to the environment and the organization.