**Project plan**

Because of these terrible pandemic scenarios, we decided to establish a brand-new project that saves a lot of time, is considerably more profitable, and is much easier for the customer.

**Selecting a suitable methodology**

The approach used will be determined by the project type, scope, and development team. One of the first considerations a project manager must choose which project methodology to use. The project approach we choose will have a direct influence on the project and the team's success. Adopting a project management technique provides several benefits to the project's progress.

A project management technique may assist organizations/companies by standardizing procedures, creating a plan that everyone understands, and assisting in the understanding of how to manage a project efficiently. This enables us to replicate successful parts while also learning from failures. This will result in a process of constant improvement. A methodology establishes a common basis for all initiatives inside a corporation or organization.

**Benefits of project management methodology:**

1. Boost the productivity and efficiency of the development team.
2. Deliver projects on schedule, meet, or exceed customer expectations, and remain under budget.
3. Increase the likelihood of a project's success while reducing the number of hazards.
4. Adapt to new difficulties quickly and easily and handle limited resources as efficiently as feasible.

We are upgrading an old existing atm system to fingerprint and face recognition atm system, so we decided to best way is applied **agile methodology** to this project.

Following this technique saves a lot of time since we can accomplish both development and implementation on the project at the same time, and it also cuts the project length in half compared to the waterfall methodology.

**Agile methodology**

The Agile method is a project management methodology that breaks a project into phases. Once the work starts, teams go through a design, execution, and evaluation process.

It is vital to maintain constant communication with team members and project stakeholders. Agile focuses on facultative teams that produce in digestible pieces to increase responsiveness to changing business demands.

**Agile software development's ideals and concepts are as follows:**

* Adapting to change rather than sticking to an idea.
* Working software trumps thorough documentation.
* Collaboration with customers is preferred above contract negotiations.
* **Diagram

  Description automatically generated**Individuals and their connections with one another, rather than works and tools.

**Why we use agile?**

There are several benefits of Agile methodology for this Fingerprint & face recognition project.

* **Focuses on Users**

User stories, together with business-focused approval criteria, are commonly used in Agile to create product features. By focusing features on the needs of actual consumers, each addition gradually adds value, not just an IT component. This also allows you to beta test software after each Sprint, giving you valuable feedback early in the project and allowing you to make necessary modifications.

* **Early and Predictable Delivery**

By using time-boxed, fixed-schedule Sprints of 1-4 weeks, new features are delivered quickly and consistently, with a high level of predictability. If the product has a high financial value, it can potentially be launched, or beta tested earlier than intended.

* **Transparency**

Clients have a unique chance to be active throughout the project using an Agile strategy, from feature prioritization through iteration planning and review meetings to regular software builds incorporating new features. However, in exchange for the increased benefit of openness, clients must recognize that they are viewing a work in progress.

* **At A Time, One Small Task:**

Because the development team members are students, breaking the project down into smaller sub-projects will help them stay on track. It will keep us from interfering with one other's work. Because the development team must operate remotely, it will also be beneficial to focus on a modest project at a time.

* **Project Management:**

Because the development team must complete the system on or before May 6, 2022, using Agile technique will aid in time management. It will be beneficial to concentrate on the team's performance.