**PROJECT APPROACH**

**Project: AI Customer Analyzer**

**Group: 19**

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# 1 Project Approach History

## 1.1 Document Location

This document is only valid on the day it was printed.

The source of the document will be found on the project's PC in location

## 1.2 Revision History

**Date of this revision:**

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## 1.3 Approvals

This document requires the following approvals.

Signed approval forms are filed in the Management section of the project files.

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| --- | --- | --- | --- | --- |
| **Name** | **Signature** | **Title** | **Date of Issue** | **Version** |
| Dr.Yasas Jayaweera |  | Project Executive |  |  |
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## 1.4 Distribution

This document has been distributed to:

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# Project Approach

## 3 Purpose

The purpose of this document is to outline the approach to be taken for the successful delivery of the project. This includes defining the type of solution to be developed by the project and the method of delivering that solution. It will also identify any environment into which the answer must fit. The document will provide a detailed description of the project approach and will be used as a reference point for all stakeholders involved in the project. It will also help manage expectations, ensure approach consistency, and communicate progress throughout the project lifecycle. The document will be regularly reviewed and updated to reflect any changes in the project approach.

## 4 Project Approach Description

* Start-up: The project team is assembled during this stage, and the project initiation documentation (PID) will be developed. The PID defined the project's objectives, scope, deliverables, timelines, resources, risks, and quality criteria.
* Initiation: During this stage, the project board is reviewed and approve the PID, and the project manager will finalizes the project plan, including the detailed timeline, milestones, and resource requirements.
* Planning: During this stage, the project manager develops a detailed project plan that includes the design and architecture plan, visitor counting, age prediction, gender prediction, mood prediction, race prediction, mask reminder, user-friendly interface, backend panel, audio monitoring, testing, and documentation.
* Execution: During this stage, the project team develops and test the AI security bottom as per the project plan. The project manager will monitor the project's progress, and regular progress reports will be provided to the project board.
* Monitoring and Control: During this stage, the project manager monitors the project's progress and performance against the plan, including budget, schedule, and quality. Any deviations program the plan will be addressed, and corrective actions will be taken.
* Closure: During this stage, the project manager will finalize the project, including testing and documentation. The system will be handed over to DreamSpace, and the project board will approve the closure of the project.

## 5 Type of Solution

1. Design from scratch: This solution involves developing a custom solution specifically for DreamSpace's requirements. The project team will design and create a solution that meets the project objectives and needs from scratch.
2. Buy a ready-made solution: This involves purchasing an off-the-shelf software solution that performs the required functions. DreamSpace can select from the available options and buy a solution that meets their requirements.
3. Bespoke: This solution involves customizing an existing solution to meet Dream Space’s requirements. The project team can modify a solution to fit the project's needs.
4. Use company staff: This solution involves using the existing staff to develop the system. The project team can utilize the company's staff with the necessary skills and knowledge to work on the project.
5. Hire contract staff: This solution involves hiring external contractors to work on the project. The project team can hire specialized contractors with the necessary skills and knowledge to work on the project.

## 6 Reasons for the Approach

* Understanding the client's requirements: The first step in the project approach is understanding the client's requirements and expectations. We need to understand what DreamSpace wants to achieve through this project, the project's scope, and the delivery timelines.
* Defining project objectives: The next step is to define the project objectives clearly. We need to comprehensively understand what we are trying to achieve through the project, the expected outcomes, and how the system will benefit DreamSpace.
* Research and analysis: Before we begin development, conduct thorough research and analysis on the latest technologies and trends in computer vision and AI. This will enable us to choose the project's most appropriate tools and technologies project.
* Design and architecture: Once we clearly understand the project requirements and have conducted the necessary research, we can move on to the design and architecture phase. We need to design a system that is efficient, scalable, and easy to use.
* Testing: Once the system is developed, we must conduct extensive testing to ensure it meets all the specified requirements. This includes functional testing, performance testing, and security testing.