

Process Model Documentation

Project Title: MelodyHub - Music Education Platform

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Contents

1	Introduction	2
2	Software Process Models Analysis – Agile Model	2
3	Justification for Selecting the Iterative Model	2
4	Conclusion	2

1 Introduction

This document explains why we chose the Agile model for building our music education platform, MelodyHub. The project has a wide range of features—from video lessons and live sessions to AI-based feedback and global collaboration. Agile fits best because it lets us develop in small steps, get real feedback quickly, and adapt to changing needs. We’ve also included a short comparison with other models to show why Agile is the most practical and flexible choice for this kind of evolving, user-focused platform.

2 Software Process Models Analysis – Agile Model

The Agile model is a software development approach that focuses on iterative development, continuous feedback, and collaboration. It breaks the project into small, manageable units called iterations or sprints, allowing teams to adapt quickly to changes and deliver working software frequently.

3 Justification for Selecting the Iterative Model

- **Rapid Development:** Even within a limited time (2 days), we can deliver a working MVP with core features user login + video based courses + learning Quizzes, and then we can expand
- **Iterative Development:** We can build the core features first (like Auth, lessons, etc) then we can do the enhancement features like AI feedback, Certifications etc
- **Customer Collaboration:** You can interact with mentors, faculty, or end users to get more clear idea about the requirements.
- **Responding to Change:** Easily adapt to feedback from Day 1 presentations or rubric evaluators by reprioritizing features in sprint planning.

4 Conclusion

Agile is the best fit for building our Music Education Platform because it lets us work in small, manageable parts and adjust as we go. Since this project involves a lot of features—like interactive lessons, live sessions, AI-based feedback, and personalized learning—it’s important to stay flexible and listen to what users actually need. With Agile, we can start building the most important features first, test them quickly, and make improvements based on real feedback. It also encourages constant collaboration within the team and with users, which is exactly what we need for a platform that’s meant to be engaging, evolving, and user-friendly..