Week	Task Description	Responsibilities	Deliverables
1	Project Setup and Planning	- Define project goals and objectives - Set up version control (Git) - Create initial project structure in Android Studio - Outline GCP services needed for compute, storage, and database	- Project plan document - Git repository initialized - Initial cloud architecture diagram
	UI/UX Design	- Design wireframes and mockups in Figma - Finalize UI elements based on the app's main feature (AI outfit recommendation)	- Completed Figma designs - Design approval from the team
2	Development Setup and GCP Configuration	- Set up Android Studio environment - Integrate necessary libraries (Retrofit, TensorFlow Lite) - Configure GCP services for compute (App Engine, Cloud Functions, or VM), storage (Cloud Storage), and database (Firestore or Cloud SQL) - Assign GCP access permissions to the Cloud Computing team only - Use Google Cloud Pricing Calculator to estimate costs	- Development environment ready - Libraries integrated - GCP project configuration with minimum cost estimate
	Core Feature Development	- Develop XML layouts based on Figma designs - Create basic navigation and activity structure - Add app icon to make the app visually distinct	- Initial app layout and navigation structure completed - Custom app icon added
3	Backend and API Integration	- Develop REST API for data management using GCP (e.g., Cloud Functions or App Engine) - Implement Retrofit in the app for API calls - Create networking calls to interact with the API	- Functional API calls established - Data fetching implemented
	ML Model Development and Integration	- Build and train a custom TensorFlow model on Google Cloud (not using TensorFlow Hub or AutoML) - Use TensorFlow Lite to convert and integrate the model into the app - Implement the ML model on-device to recommend outfits based on user preferences - Ensure that the AI workflow is the app's main feature, allowing users easy access to the recommendation functionality	- Custom-trained ML model converted to TensorFlow Lite - On-device model for outfit recommendations - Basic workflow for AI feature access
4	Testing, Debugging, and Documentation	- Conduct unit testing and user testing to ensure the app's main features (including AI/ML functionality) are stable and meet project goals - Debug and fix identified issues - Create documentation, including app instructions, usage of GCP, and AI/ML workflow	- Test reports - Debugged app ready for deployment - User and technical documentation
	Finalization and APK Release	- Optimize and finalize app - Generate APK for release - Prepare a final project report - Present project outcomes and key insights	- Downloadable APK file - Final project report - Project presentation with outcomes