iOS Development – Spring 2026 – Final Project Proposal

Team Member 1	Aravind Ganipisetty
Team Member 2	Abdul Rasheed Faizan Shaik
Project Title	TaskFlow – Smart Productivity & Location-Aware Task Management App
Project Description	TaskFlow is a productivity-focused iOS application designed to help users manage daily tasks through an intuitive interface. The app supports task creation, editing, deletion, and tracking. It enhances productivity using location-based reminders, push notifications, Firebase cloud synchronization, and secure authentication with biometrics.

Requirement	Describe how you plan to fulfill each requirement
Core functionality	The core functionality of TaskFlow is task and productivity management. Users can create, update, delete, and organize tasks with due dates, priorities, and completion status. All tasks are synced with a cloud database so users can access their data securely across sessions.
Supplemental feature #1 **Location-Based Reminders**	Integration of Core Location to attach geographic locations to tasks and trigger reminders when entering or leaving specific locations.
Supplemental feature #2 **Push Notifications**	Use of UserNotifications framework to schedule deadline-based and location-based reminders.
Supplemental feature #3 **Firebase Authentication with Biometrics**	Secure login using Firebase Authentication with support for Face ID and Touch ID via LocalAuthentication framework.
Supplemental Feature #4 **Dark Mode Toggle**	Manual dark/light mode switch using SwiftUI environment settings for enhanced UI experience.