# **🗓 Sprint Planning Document**

This document outlines the sprint planning for versions v1.0 through v2.3, following a 2-week sprint cadence.

### **✅ Version 1.0 – Foundational Launch (Aug 1 – Sept 12)**

**Goal:** Deliver intelligent AI-powered study guide generation with core app infrastructure.

#### **🌀 Sprint 1: Aug 1–Aug 14**

**Sprint Goal:** Set up project foundation and core LLM integration.

**Key Deliverables:**

* Flutter project scaffolding (mobile + web)
* Firebase/Supabase auth integration (email & anonymous)
* Backend: Initial OpenAI/Claude LLM integration
* Prompt engineering: structured response template
* Bible verse/topic input validation (EN only)
* Accessibility check: Font scaling, color contrast
* Mock LLM mode (for local dev)
* **DoD:** Codebase pushed, auth and LLM endpoints testable, schema baseline defined. Accessibility validated.
* **Navigation Entry Point:** Onboarding flow > Home screen > Query input field

**Dependencies / Risks:**

* Access to LLM API keys (OpenAI or Claude)
* Prompt quality may require refinement

#### **🌀 Sprint 2: Aug 15–Aug 28**

**Sprint Goal:** Generate and display structured study guide

**Key Deliverables:**

* Guide generation service (Summary, Explanation, Related Verses, Reflection, Prayer)
* Save/load recent history (local device cache)
* Responsive UI for mobile + web
* Unit and integration test cases defined
* Input validation and fallback behavior testing
* Accessibility test: Screen reader + scrollable layout support
* **DoD:** Input > Output validation working for 5+ examples. Accessibility & input fallback tested.
* **Navigation Entry Point:** Home > Input > Display guide (scroll view)

**Dependencies / Risks:**

* LLM cost monitoring
* Structured data mapping from unstructured output

#### **🌀 Sprint 3: Aug 29–Sept 12**

**Sprint Goal:** Polish and release MVP

**Key Deliverables:**

* Loading/error states
* LLM model prompt tuned for Bible & sermon transcripts
* Initial release to TestFlight & Play Store (internal)
* Feedback from test users
* Initial performance test (latency under 3s avg)
* Schema validation and migration test
* **DoD:** 90% test pass rate, deployable app binary, mock/fallback content support in dev mode

**Dependencies / Risks:**

* App Store deployment delays
* Prompt alignment with theology guidelines

### **🕸 Version 1.1 – Personal Touch (Sept 13 – Oct 10)**

**Goal:** Empower users to personalize and revisit study content.

#### **🌀 Sprint 4: Sept 13–Sept 26**

**Sprint Goal:** Build note-taking and saving features

**Key Deliverables:**

* Add personal notes per guide (Supabase-linked)
* Favorite/star toggle on guides
* History view with timestamps
* QA test case creation for offline/online edge cases
* Accessibility compliance check for notes editor
* **Navigation Entry Point:** Study Guide footer menu > Save/Notes toggle

**Dependencies / Risks:**

* Data sync edge cases (offline vs online)

#### **🌀 Sprint 5: Sept 27–Oct 10**

**Sprint Goal:** Polish personalization and test

**Key Deliverables:**

* Filter by favorited/saved
* Notes editor with autosave
* End-to-end testing for all user states
* Accessibility testing checklist completion
* **DoD:** Manual QA + CI tests pass, filter UX validated with 3 users

**Dependencies / Risks:**

* Firebase/Supabase limits (free tier)

### **🕸 Version 1.2 – Daily Devotion & Regional Reach (Oct 11 – Nov 7)**

#### **🌀 Sprint 6: Oct 11–Oct 24**

**Sprint Goal:** Add Daily Bible Verse + reflection engine

**Key Deliverables:**

* Scheduled content fetch (e.g., Psalm 23:1)
* AI-based short reflection
* Push/local notifications
* Test plan for timezone variance
* Local cache or scheduled function for devotional delivery

**Dependencies / Risks:**

* Timezone handling

#### **🌀 Sprint 7: Oct 25–Nov 7**

**Sprint Goal:** Add Hindi/Malayalam generation + language switch

**Key Deliverables:**

* Language switch toggle in UI
* Bible verse/topic prompt localization (Hi/Ml)
* LLM prompt tuning for regional languages
* Fallback text if content not available in selected language
* Accessibility test for multilingual fonts

**Dependencies / Risks:**

* LLM multilingual support reliability
* Font rendering issues (esp. Malayalam)

### **🕸 Version 1.3 – Connect & Report (Nov 8 – Dec 5)**

#### **🌀 Sprint 8: Nov 8–Nov 21**

**Sprint Goal:** Enable study guide sharing + bug reporting

**Key Deliverables:**

* Shareable link for each guide (deep link)
* WhatsApp share intent integration
* In-app bug report form (auto-email dev)
* **Navigation Entry Point:** Study Guide screen > Share > Choose platform

**Dependencies / Risks:**

* Spam filtering or abuse of bug form

#### **🌀 Sprint 9: Nov 22–Dec 5**

**Sprint Goal:** Finalize public user alias + profile

**Key Deliverables:**

* Optional public profile alias
* Guide visibility settings (public/private)
* Multilingual UI toggle (match content language)
* Profile privacy notice
* Clarify whether UI is fully translated or content only

**Dependencies / Risks:**

* Privacy issues with shared content

### **🕸 Version 2.0 – Jeff Reed Study Flow (Dec 6 – Jan 2)**

#### **🌀 Sprint 10: Dec 6–Dec 19**

**Sprint Goal:** Introduce guided 4-step flow UI

**Key Deliverables:**

* 4-step UI component
* Step 1: Scripture view with context & commentary
* Step 2: AI study guide integration reuse
* API format: each step is a separate field in the response
* User flow: Predefined topic > Guided study screen
* Figma validation walkthrough with 2+ users

**Dependencies / Risks:**

* Usability of multi-step UX
* Misconfigured topic fallback behavior

#### **🌀 Sprint 11: Dec 20–Jan 2**

**Sprint Goal:** Enable journaling & progress tracking

**Key Deliverables:**

* Step 3: Reflection prompts and group discussion share
* Step 4: Apply principles (journal entry + goal)
* Track completion timestamp per step (analytics, resumption)
* **DoD:** Analytics track per step, journaling UI tested

**Dependencies / Risks:**

* Syncing journal across devices vs local only

### **🕸 Version 2.1 – Feedback-Aware AI (Jan 3 – Jan 30)**

#### **🌀 Sprint 12: Jan 3–Jan 16**

**Sprint Goal:** Collect feedback on AI guides

**Key Deliverables:**

* Thumbs up/down + optional feedback field
* Save to Supabase feedback table
* Admin dashboard (CSV export)
* Anti-spam filters for feedback abuse
* Define data retention window for feedback

**Dependencies / Risks:**

* Feedback abuse and spam

#### **🌀 Sprint 13: Jan 17–Jan 30**

**Sprint Goal:** Use feedback to improve LLM prompt structure

**Key Deliverables:**

* Dynamic prompt modifier based on thumbs data
* Log mapping between generation and feedback
* Versioned prompt templates

**Dependencies / Risks:**

* Prompt tweaking only (no full fine-tune)

### **🕸 Version 2.2 – Thematic Discovery (Jan 31 – Feb 27)**

#### **🌀 Sprint 14: Jan 31–Feb 13**

**Sprint Goal:** Auto-tagging and guide taxonomy

**Key Deliverables:**

* Tag extractor from LLM response
* Save/retrieve guides by tags
* Suggested tags during topic entry
* Prompt fallback if no tags detected

**Dependencies / Risks:**

* Tag accuracy (no vector embedding in V2)

#### **🌀 Sprint 15: Feb 14–Feb 27**

**Sprint Goal:** Tag filtering and search UX

**Key Deliverables:**

* Tag list filter on homepage
* Search field with autosuggest
* **Navigation Entry Point:** Home > Filter toggle

**Dependencies / Risks:**

* UI clutter or missed results

### **🕸 Version 2.3 – Support the Mission (Feb 28 – Mar 13)**

#### **🌀 Sprint 16: Feb 28–Mar 13**

**Sprint Goal:** Launch donation feature

**Key Deliverables:**

* Donate button in settings screen
* Razorpay/UPI payment gateway integration
* Default ₹100 donation with editable field
* Thank-you message + email receipt
* Use Razorpay-hosted UI to ensure PCI DSS compliance
* Track LLM usage vs donation coverage
* Add Razorpay failure fallback message

**Dependencies / Risks:**

* Razorpay approval delays
* Handling receipts and donor data privacy

### **🌀 Post-Release Monitoring (Sprint 17)**

**Sprint Goal:** Ensure analytics, sustainability, and user experience continuity

**Key Deliverables:**

* Monitor LLM cost-to-donation ratio
* Guide retention analytics
* Feedback follow-up system
* Regression test suite for all major flows
* Prompt versioning audit

**Dependencies / Risks:**

* User drop-off in advanced flows
* Cost vs usage balance