# **🗓 Sprint Task Breakdown – Version 2.2 (Thematic Discovery)**

**Timeline:** Jan 31 – Feb 27  
 **Goal:** Organize spiritual knowledge into reusable insights through auto-tagging and tag-based discovery.

## **🌀 Sprint 14: Jan 31 – Feb 13**

**Sprint Goal:** Auto-tag guides with meaningful themes from LLM-generated output

### **✅ Frontend Tasks**

* Display tags on each guide detail screen (below the title or summary)
* Make tags clickable to trigger tag-based search
* Add visual tag chips (color-coded, scrollable if overflowed)
* Add multilingual tag rendering (EN/HI/ML based on UI language)
* Create entry point to "Explore by Tags" from homepage

### **✅ Backend Tasks**

* Create Firestore schema: tags collection (tag ID, label\_en, label\_hi, label\_ml, usage\_count, is\_hidden)
* Extend study\_guides schema to store tags: [string]
* Implement tag extractor logic in edge function (via LLM response post-processing)
* Filter invalid/vague tags (e.g., too short, numeric-only, generic words like "thing")
* Add field prompt\_tag\_version to guide metadata for versioning

### **✅ DevOps Tasks**

* Log analytics events:  
  + tag\_generated
  + tag\_saved\_to\_guide
* Cache top 20 tags (weekly) for faster retrieval on explore screen
* Monitor tag generation cost per guide

### **⚠️ Dependencies / Risks**

* LLM may output vague or redundant tags
* Tags may not consistently reflect deep context
* No manual override in V2.2 (admin curation planned for later)
* Potential search load spike from popular tags

## **🌀 Sprint 15: Feb 14 – Feb 27**

**Sprint Goal:** Build tag-based search, filtering and discovery UI

### **✅ Frontend Tasks**

* Create tag search screen (search bar + suggested tags)
* Implement autosuggest for tags on input (EN/HI/ML)
* Add filter view: "Show guides with [selected tag]"
* Display search result list with highlighted tag context
* Add "Most Used Tags" carousel on homepage

### **✅ Backend Tasks**

* Add tag-based Firestore query for study\_guides (with pagination)
* Store guide-tag relationships as indexed fields
* Add analytics event tracking:  
  + tag\_search
  + tag\_click
* Track tag engagement score for future personalization

### **✅ DevOps Tasks**

* Schedule weekly tag usage report (via Supabase Edge or GitHub Action)
* Log tag performance metrics (avg. search time, hit rate)
* Implement fallback behavior if tag search fails (graceful UX)

### **⚠️ Dependencies / Risks**

* Tag search without full-text index could degrade performance
* Risk of tag flooding if too many tags are generated per guide
* Ambiguity in language-localized tags if inconsistent