

Scout Information Bank

Technical Proposal

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1. Executive Summary

The Scout Information Bank is an online platform designed to centralize, organize, and provide reliable educational materials related to Scouting. It targets scout leaders, members, and parents, offering accessible content in multiple formats and languages. With the integration of modern technologies such as AI-assisted search and user feedback systems, the platform aims to foster continuous learning and active engagement within the scouting community.

2. Project Objectives

- Create a centralized, digital library for verified scouting knowledge.
- Enable scouts and leaders to learn at their own pace.
- Promote ongoing skill development and scouting literacy.
- Bridge generational knowledge gaps through accessible content.

3. Target Users / Stakeholders

- Scout leaders and trainers
- Current scout members (all ages and levels)
- Parents and guardians

4. Platform Features

4.1. User Interface

- Responsive design suitable for mobile and desktop
- Multilingual support (Arabic and English)
- Clean and intuitive navigation

4.2. Content Types

- Articles and documents
- Videos with captions
- Skill tutorials (e.g., knots, compass use)

4.3. Technical Features

- Powerful search functionality with filters
- AI-powered assistant to help users discover content
- Public access with role-based admin control

4.4. Content Management

- Admin dashboard for uploading and reviewing content
- Content approval workflow by top leaders
- User suggestion box

5. Technology Stack

- **Frontend:** HTML,CSS,JavaScript
- **Backend:** Node.js
- **Database:** PostgreSQL or MongoDB
- **Hosting:** Vercel, Netlify, or AWS
- **AI Integration:** OpenAI GPT APIs
- **Media Storage:** Firebase, Cloudinary, or AWS S3 (optional)

6. Phased Implementation Plan

Phase 1 – Planning and Research

- Gather input from scout leaders and members
- Define key content categories and user requirements

Phase 2 – Development

- Build website architecture and user interface
- Implement core backend and search functionality
- Integrate AI tools

Phase 3 – Content Collection

- Gather verified scouting content
- Translate and caption video material

Phase 4 – Testing and Deployment

- Conduct user testing
- Finalize and deploy live platform

Phase 5 – Promotion and Training

- Promote through scout events and social media
- Organize training workshops for leaders and users

Phase 6 – Maintenance and Expansion

- Regularly update content
- Collect feedback and evolve features

7. Monitoring and Evaluation

- Track site usage analytics and engagement metrics
- Distribute feedback surveys to users
- Review AI assistant performance and accuracy

8. Risks and Mitigation

Risk	Mitigation
Lack of content	Partner with experienced scout leaders early
Low adoption	Run training sessions and community campaigns