1. Executive Summary

This document provides a high-level executive overview along with sufficient technical depth to evaluate feasibility, scalability, and readiness of the Church Website project. The platform is designed to be industry-standard, production-ready, and scalable for future expansion.

2. Business Objectives

- Establish a professional digital presence for the church.
- Centralize content management for sermons, events, and announcements.
- Improve communication with members and visitors.
- Enable future digital services such as donations and live streaming.

3. Project Scope

The scope includes design, development, deployment, and maintenance of a secure church website. Public users can access informational content, while administrators manage content through a backend system.

4. System Architecture Overview

The system follows a modern client–server architecture. The frontend is a lightweight, responsive web interface. The backend is a RESTful API built using Node.js and Express, connected to MongoDB for data persistence. Authentication and authorization are handled using JWT.

5. Technology Stack

Layer	Technology	Rationale
Frontend	HTML5, CSS3, JavaScript	Lightweight, fast, SEO-friendly
Backend	Node.js (Express)	Scalable, non-blocking I/O
Database	MongoDB	Flexible schema, high scalability
Security	JWT, bcrypt	Industry-standard authentication
Hosting	Paid Cloud Hosting	Reliability, SLA, scalability

6. High-Level Project Structure

Frontend: HTML templates, modular CSS, JavaScript service layers.
Backend: MVC-based Node.js application with separated routes, controllers, models, and middleware.
This structure ensures maintainability, parallel development, and clean ownership of components.

7. Security & Compliance

- Secure authentication using hashed passwords and JWT.
- Role-based access for administrators.
- Input validation and API protection.
- HTTPS and environment-based configuration in production.

8. Deployment & Operations

The application will be deployed on a paid hosting environment with proper environment segregation (development, staging, production). Logging, backups, and monitoring will be configured to ensure uptime and stability.

9. Risks & Mitigation

- **Scalability risk:** Mitigated by Node.js non-blocking architecture.
- **Security risk:** Mitigated using industry-standard authentication and validation.
- **Operational risk:** Mitigated by paid hosting and backup strategies.

10. Roadmap & Future Enhancements

- Online donation and payment gateway integration.
- Live streaming and sermon scheduling.
- Mobile application support.
- Admin analytics dashboard.
- Multi-language support.

11. Management Conclusion

This project is technically sound, scalable, and aligned with modern web development standards. It is suitable for immediate development and future expansion, making it a low-risk, high-value digital initiative.