APPENDICES

# Appendix A: System Requirements Specification (SRS)

- Functional requirements (User roles, authentication, proposal submission, review process, notifications)

- Non-functional requirements (Performance, security, availability, maintainability)

- Technical stack (Programming languages, frameworks, database, hosting, integrations)

# Appendix B: System Architecture and Design

- System architecture diagram (Logical and physical views)

- Database schema and entity relationship diagram

- API endpoints and data flow diagrams

# Appendix C: User Manuals and Training Materials

- Step-by-step user guide for researchers, reviewers, and administrators

- Video tutorials and FAQs

- System troubleshooting guide

# Appendix D: Deployment and Maintenance Guidelines

- Server setup and configurations

- Backup and disaster recovery plan

- Security policies (Data protection, user access control, audit logs)

# Appendix E: System Testing and Quality Assurance Reports

- Test case scenarios and results

- Bug tracking and resolution log

- System performance and stress testing results

# Appendix F: Legal and Compliance Documentation

- Data Protection Impact Assessment (DPIA)

- Compliance with Kenya Data Protection Act, 2019

- Institutional ICT security policies and agreements

# Appendix G: Project Budget and Financial Overview

- Breakdown of system development costs

- Hosting and infrastructure expenses

- Projected maintenance and support costs

# Appendix H: User Feedback and System Evaluation Reports

- Post-deployment feedback from users

- System performance evaluation metrics

- Future improvements and upgrade roadmap

# REFERENCES

- Kenya Data Protection Act (2019) – Regulations on personal data protection and compliance.

- ISO 27001:2013 – Information security management standard.

- University of Kabianga ICT Policy – Institutional guidelines for system implementation and governance.

- Agile Development Methodology – Best practices in iterative software development.

- System Documentation Best Practices – Guidelines on structured technical documentation.

# ADDITIONAL RESOURCES

- Github Repository (Private/Internal use for version control and collaboration).

- Online Training Platforms (ALX, Coursera, Udemy for skill enhancement).

- Open Source Libraries and APIs (Authentication, PDF generation, data visualization tools).