Final Submission Summary - Policy Document Management

Submission Date: 13-04-2025

Candidate Name: Lokendra Prakash Singh

Module: Spring Boot - Policy Document Management System

Environment: Java 17, Spring Boot 3.x, MySQL, Apache Tika

# ✔️ Completed Work Summary

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| Component | Details |
| Document Upload API | /upload API developed to accept file, title, author, type with validation for missing file and size > 10MB. |
| Apache Tika Integration | Used Tika to extract readable text content from uploaded files (PDF/TXT). |
| Filter Documents API | /filter API supports filtering by author/type with pagination (page, size). |
| Search Documents API | /search API supports keyword search with snippets from content. |
| Exception Handling | Custom exceptions like FILE\_MISSING, FILE\_SIZE\_EXCEEDED, BAD\_REQUEST handled with global exception handler. |
| Standard API Response | All APIs return standardized response with code, status, message, and data. |
| Swagger Integration | Swagger UI added to visualize and test APIs. |
| Test Case Report | Test cases created for all possible scenarios with status . |
| Technical Design Document | Well-structured TDD created in Word format describing API and layers. |

backend module requirements have been implemented and tested successfully as per the coding exercise.