Here is the list of topics of the final project:

**1. Decision Support System**

**Example:** Medical Decision Support System  
**Description:** Assists doctors in deciding on immunotherapy for patients.  
**GitHub:** Wart Immunotherapy Prediction  
**Features:** Patient data input, treatment recommendation, medical logic implementation.

**Example:** Java Swing-based Diet Recommendation System  
**Description:**  
A desktop application that recommends diet plans to users based on their health parameters and preferences. It uses simple decision logic to suggest meal plans, functioning as a basic decision support tool for nutrition.

**GitHub:** Diet Recommendation System

**Features:**

* User registration and login
* Input of health data (age, weight, etc.)
* Diet plan recommendation based on user profile
* Java Swing GUI

**2. Executive Support System**

**Example:** Executive Dashboard for Business Analytics  
**Description:** Provides executives with key business metrics and visualizations for high-level decision-making.  
**GitHub:** Executive Dashboard Java  
**Features:** Data aggregation, visualization, reporting (often built with Java + web frameworks).

**3. Enterprise System**

**Example:** Enterprise Resource Planning (ERP)  
**Description:** Integrates core business processes such as HR, finance, and inventory.  
**GitHub:** Java ERP System  
**Features:** Modular design, user roles, transaction management.

**4. Supply Chain Management System**

**Example:** Supply Chain Management System (Java, JSP, JDBC)  
**Description:**  
A web-based application that manages the flow of products from suppliers to clients, including inventory, dealer, and client modules. Designed for production sectors to automate and track supply chain processes.

**GitHub:** [Supply Chain Management System (Java)](https://www.codewithc.com/supply-chain-management-system-project-java/) (Downloadable project with source code)

**Features:**

* Admin, dealer, and client modules
* Product and inventory tracking
* Order management
* Feedback collection
* Java, JSP, JDBC, HTML frontend, MS Access backend

**5. Customer Relationship Management (CRM) System**

**Example:** Console-based CRM  
**Description:** Manages customer profiles, tracks issues, and supports feedback.  
**GitHub:** [CustomerRelationshipManagement](https://github.com/Silvano315/Customer-Relationship-Management-with--cpp/" \t "_blank)

Link: [**Customer-Relationship-Management-with--cpp**](https://github.com/Silvano315/Customer-Relationship-Management-with--cpp/)  
**Features:** Registration, login, issue management, feedback, MySQL + Hibernate.

**6. Knowledge Management System**

**Example:** Knowledge Management Platform  
**Description:** Organizes, stores, and retrieves organizational knowledge.  
**GitHub:**    
**Features:** Knowledge base, search, user roles.

**7. Application with Big Data**

**Example:** Java Big Data Processing with Hadoop  
**Description:** Processes large datasets using Hadoop and Java.  
**GitHub:** 

**Features:** Data ingestion, MapReduce jobs, analytics.

**8. Application using Data Warehouses**

**Example:** Data Warehouse Project in Java  
**Description:** ETL (Extract, Transform, Load) pipelines and OLAP queries.  
**GitHub:** [ETL-Movies-Data-Warehouse--Analysis-Project](https://github.com/MeDjb10/ETL-Movies-Data-Warehouse--Analysis-Project)  
**Features:** Data integration, querying, reporting.

**9. Application using Multi-dimensional Data Analysis (OLAP)**

**Example:** OLAP Cube Analysis Tool  
**Description:** Performs multi-dimensional analysis on business data.  
**GitHub:**

**Features:** Cube creation, slicing/dicing, aggregation.

**10. Application using Data Mining Techniques**

**Example:** Java Data Mining with Weka  
**Description:** Applies machine learning algorithms for classification, clustering, etc.  
**GitHub:** [Weka Data Mining](https://github.com/Waikato/weka-3.8)  
**Features:** Data preprocessing, model training, evaluation.

**11. Application using Web Mining Techniques**

**Example:** Web Content Mining in Java  
**Description:** Extracts and analyzes data from web pages.  
**GitHub:** Java Web Scraper and Analyzer  
**Features:** Web crawling, content extraction, indexing.