# MILESTONE 2 PROJECT - Advanced Excel

**Project Assignment: Healthcare Stroke Risk Analysis Dashboard**

**Objective:**

Develop and implement a comprehensive Healthcare Stroke Risk Analysis Dashboard to analyze and understand stroke risk factors among your patient population IN Excel.

**Tasks:**

**1. Dashboard Design and Development:**

- Design a user-friendly dashboard interface that includes interactive features for exploring stroke risk factors.

- Incorporate visualizations such as pie charts for stroke incidence, bar charts for age and gender distribution, and icons for smoking habits.

- Include a section for "Overall Score by Stroke" to compare risk scores between patients who have had strokes and those who haven't.

**2. Data Integration and Visualization:**

- Integrate patient data related to demographics, medical history, and lifestyle factors into the dashboard.

- Visualize data effectively to highlight correlations and trends related to stroke risk, ensuring clarity and usability for healthcare professionals.

**3. Navigation and Filter Implementation:**

- Implement navigation tools for easy exploration, including filters to analyze data before and after applying specific criteria.

- Ensure usability with clear buttons to return to the main dashboard and access detailed analyses.

**4. Analysis and Insight Generation:**

- Conduct thorough analyses using the dashboard to identify correlations between demographic factors (age, gender), medical conditions, lifestyle habits (smoking), and stroke risk.

- Generate actionable insights to support clinical decision-making and patient care strategies aimed at reducing stroke risk.

**5. Documentation and Presentation:**

- Document the dashboard development process, including design choices, data sources, and implementation details.

- Prepare a presentation demonstrating the functionality, insights, and potential impact of the Healthcare Stroke Risk Analysis Dashboard.

**Deliverables:**

- **Functional Dashboard:** A fully operational Healthcare Stroke Risk Analysis Dashboard with interactive features.

- **Documentation:** Detailed documentation outlining the dashboard's development, data integration methods, and analysis methodologies.

- **Presentation:** A comprehensive presentation summarizing key findings, insights, and recommendations derived from the dashboard.

**Evaluation Criteria:**

- Dashboard Functionality and Usability

- Data Integration and Visualization Effectiveness

- Analysis Depth and Insight Generation

- Documentation Clarity and Completeness

- Presentation Quality and Insightful Content

**Milestone Marks Allocation:**

- Dashboard Development:

- Data Analysis and Insights:

- Documentation and Presentation: