



Project

Planning & Management



Supply Chain Project

Presented by:

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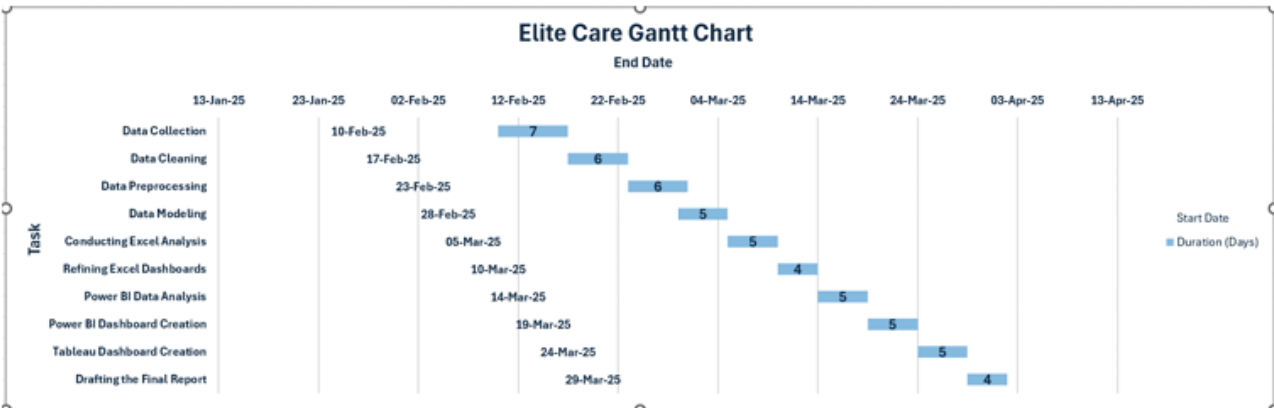
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1. Project Proposal

- Overview: A comprehensive analysis of the supply chain to identify inefficiencies, optimize operations, and improve overall performance.
- Objectives:
 - o Identify cost-saving opportunities.
 - o Enhance supplier efficiency and product focus.
 - o Provide actionable recommendations for data-driven decision making.
- Scope: The project covers supplier performance, product revenue analysis, customer demographics, and the use of data analytics tools (Excel, Power BI, Tableau, and Python).

2. Project Plan

Task	Subtask	Start Date	Duration (Days)	End Date	Assigned To
Data Preparation	Data Collection	10-Feb-25	7	16-Feb-25	Sofia Safwat
	Data Cleaning	17-Feb-25	6	22-Feb-25	
	Data Preprocessing	23-Feb-25	6	27-Feb-25	
Analysis	Data Modeling	28-Feb-25	5	4-Mar-25	Sofia Safwat, Soha Salama
	Conducting Excel Analysis	05-Mar-25	5	9-Mar-25	
	Refining Excel Dashboards	10-Mar-25	4	13-Mar-25	
Power BI Development	Power BI Data Analysis	14-Mar-25	5	18-Mar-25	Remonda Ashraf
	Power BI Dashboard Creation	19-Mar-25	5	23-Mar-25	Marina Maher
Tableau Development	Tableau Dashboard Creation	24-Mar-25	5	28-Mar-25	Yolyana Nabil
Reporting	Drafting the Final Report	29-Mar-25	4	2-Apr-25	All Team Members



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- Milestones: Key deliverables include:
 - o Completion of data cleaning and preprocessing.
 - o Development of Excel, Power BI, and Tableau dashboards.
 - o Submission of the final report with actionable insights.
 - Resource Allocation:
 - o Tools: Excel, Power BI, Tableau, and Python for data cleaning, analysis and visualization.
 - o Team Members: Allocation based on expertise and project requirements.

3. Task Assignment & Roles

Sofia Safwat (Team Leader): Data Collection, Cleaning, Preprocessing and Modeling

- Soha Salama: Data modeling, Excel analysis and dashboard development.
 - Remonda Ashraf: Power BI analysis.
 - Marina Maher: Power BI dashboard development.
 - Yolyana Nabil: Tableau analysis.
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- Project Manager: Oversee timelines, deliverables, and team coordination.
 - o Team Member: Sofia Safwat (Team Leader).
 - Domain Experts: Provide insights into supply chain operations and validate findings.
 - o Team Members: All team members contribute based on their expertise.



4. Risk Assessment & Mitigation Plan

1. Identified Risks

- **Data Quality Issues:** Challenges such as missing values, outliers, or inconsistent data may affect the accuracy of the analysis.
- **Delays in Data Collection or Analysis:** Potential delays in gathering data or completing analysis tasks could impact project timelines.
- **Technical Challenges:** Difficulties in integrating or using tools like Excel, Power BI, Tableau, or Python may arise.

2. Mitigation Strategies

- **Robust Data Cleaning:** Implement thorough data cleaning and validation processes to address missing values, outliers, and inconsistencies, ensuring high-quality data for analysis.
- **Contingency Timelines:** Establish backup timelines for critical tasks to accommodate potential delays and keep the project on track.
- **Training and Support:** Provide training and technical support to team members to overcome challenges related to tool integration and usage, ensuring smooth project execution.

5. Key Performance Indicators (KPIs)

- **Response Time:** Time taken to address supply chain inefficiencies
- **System Uptime:** Availability of real-time dashboards for monitoring.
- **User Adoption Rate:** Percentage of stakeholders utilizing data-driven insights for decision-making.
- **Cost Savings:** Reduction in operational costs achieved through optimized processes.
- **Revenue Growth:** Increase revenue by targeting specific product categories and demographics, while improving product quality to reduce inspection and defect rates.