200665 M5 | L1 Final Lab Create a Business Case Instructions and Blank Template

Exercise 4

Part I: Business Case Instructions

Section	Description
Market Situation	Define the market situation
	Provide supporting information
Opportunity	Summarize the market opportunity
	 Describe how the company can benefit
Envisioned Solution	Describe the envisioned product solution
	 Summarize how the team arrived at the solution
	 Describe why this solution is better than alternatives
Objectives and	 Describe the market objectives that are being pursued
Assumptions	 Define the business assumptions
Costs	Define product solution costs
	List required resources
Strategic Alignment	 Illustrate how this product solution aligns with organizational
	needs
	 Summarize how the product concept aligns with organizational
	goals
Timing	Describe project timing
	 Map timing to the market need
	 Recommend an investment strategy
Cost Benefit Analysis	 Provide a financial analysis—Illustrate costs vs. benefits
	 Define what happens if the company does not proceed
Risk	Identify major risks
	 Document contingency responses/mitigations
Initial Investment	 Define the initial investment requirements
and	 Define long-term investment requirements
Recommendation	

Part II: Business Case Blank Template

Section	Description
Market Situation	 The air purifier market is experiencing significant growth, with a projected compound annual growth rate (CAGR) of 11.4% from 2023 to 2030. However, current HEPA air purifiers have notable shortcomings, including inefficiency in removing volatile organic compounds (VOCs), viruses, and odors, as well as concerns regarding ozone generation, high maintenance costs, and limited coverage area. Customers are seeking improved solutions that address these issues comprehensively while ensuring clean and safe indoor air quality.
Opportunity	 There is a clear opportunity for Perfect Purifiers LLC (PP LLC) to capitalize on the growing demand for effective air purification solutions by innovating its current HEPA air purifier line. By addressing market shortcomings and offering enhanced features, PP LLC can position itself as a leader in the industry and capture a significant share of the expanding market.
Envisioned Solution	 PP LLC plans to design and develop a new line of HEPA air purifiers that effectively eliminate VOCs, viruses, and odors from the air, while minimizing ozone emissions, maintenance requirements, and filter replacement costs. The envisioned solution includes three distinct purifier models at various pricing levels to cater to diverse customer needs and budgets.
Objectives and Assumptions	 Objective: To design and develop three prototypes of HEPA air purifiers with enhanced features and functionalities. Assumptions: Increased revenue by 25%. Expansion of the existing market by 10%. Reduction in product returns by more than 50% post-launch.
Costs	 Initial investment: \$80,000 for prototype development. Expected returns: Annual revenue exceeding \$200,000 for two years. Internal Rate of Return (IRR): Estimated to be more than 200%.
Strategic Alignment	 The new HEPA air purifier line aligns with PP LLC's vision to expand sales and the current market by offering innovative air filtration technology to benefit customers. By addressing market demands and enhancing product offerings, PP LLC aims to strengthen its position in the industry and achieve sustainable growth.

Timing	Design Phase: January - March
	 Development Phase: February - April
	Beta Testing: May
Cost Benefit Analysis	 Benefits: Increased revenue, market expansion, reduced product returns, enhanced brand reputation. Costs: Initial investment in prototype development, operational expenses.
Risk	 Engineering delays, cost overruns, supply chain issues, and distribution channel price increases are identified as primary risk factors. Mitigation strategies include effective project management, risk assessment, and collaboration with supply chain partners.
Initial Investment and Recommendation	 Based on the projected returns and strategic alignment with PP LLC's goals, it is recommended to proceed with the development of the new HEPA air purifier line. The initial investment of \$80,000 for prototype development is justified by the expected benefits of increased revenue, market expansion, and enhanced brand reputation. The new product line presents a valuable opportunity for PP LLC to capitalize on the growing demand for effective air purification solutions and strengthen its competitive position in the market.