

Project Portfolio

Compiled Work Samples

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AHI Planner (TM) - Hybrid Project Simulation | IBM Project Manager

Link:

<https://github.com/suryakumardevarajan/IBM-Project-Manager-Specialization/tree/main/9.%20Project%20Manager>

Summary:

This simulation project followed a hybrid approach to managing a fictional food delivery platform. It combined predictive and agile methods to address shifting requirements, stakeholder expectations, and project complexity. The focus was on applying core project management tools across the entire lifecycle - from initiation to closeout.

Planning Scope:

- Built a project charter and stakeholder register based on a provided business case
- Developed predictive planning artifacts: WBS, network diagram, high-level budget, quality, communication, and risk plans
- Created agile assets including user stories, product backlog, sprint backlog, and analyzed Kanban and burndown charts
- Evaluated change requests and completed a project status report and final closeout report

Key Takeaways:

- Practiced full-spectrum project planning across both waterfall and agile methodologies
- Strengthened ability to translate business goals into structured plans and adaptive workflows
- Gained hands-on experience with hybrid project tools, stakeholder documentation, and change management strategies

DashLens (TM) - Product Development Project | IBM Product Manager

Link:

<https://github.com/suryakumardevarajan/IBM-Product-Manager-Specialization/tree/main/Product%20Managem>

Summary:

Completed as part of a product management lab, DashLens(TM) is a planning project for a consumer-grade car camera designed to compete on quality, adaptability, and price. The scenario simulated a product launch under tight deadlines, market pressure, and supply chain constraints.

Planning Scope:

- Created a product vision and elevator pitch tailored to key customer segments
- Performed a Five Forces analysis to evaluate industry pressure and define competitive strategy
- Completed a product manager skills checklist to assess capabilities critical to product success
- Drafted a high-level public relations plan to support product positioning and messaging

Key Takeaways:

- Practiced framing product messaging and vision based on user profiles and market context
- Explored how to apply strategic models to assess market competition and supplier dynamics
- Reflected on key skills and communication tactics needed to support early product planning

Arkangel (TM) - Business Planning Project | McGill University

Link: <https://github.com/suryakumardevarajan/Strategic-Management/tree/main>

Summary:

Created in a graduate business course (BUSA 665), Arkangel(TM) is a digital health startup concept aimed at preventing Type 2 diabetes. It uses AI, behavioral science, and wearable tech to improve habits around sleep, stress, movement, and nutrition. The plan targets high-risk U.S. groups with potential to expand into other chronic conditions.

Planning Scope:

- Framed market opportunity based on public health data and CDC research
- Outlined a subscription-based revenue model with outcome-linked refunds
- Proposed a hybrid B2C/B2B approach engaging consumers, insurers, employers, and public programs
- Explored operational structure, regulatory considerations, and tech infrastructure
- Drafted a phased funding strategy including founder contributions and a seed investment round

Key Takeaways:

- Applied product thinking to shape a behavior-driven digital health solution grounded in real-world health data
- Practiced end-to-end project planning, from market validation and risk assessment to operational modeling
- Strengthened strategic skills through multi-channel go-to-market design, outcome-based pricing, and early-stage funding strategy