**Problem Statement:**

Startup mode, team members are lean, and customer base is increasing but not really seeing much revenue. Sales team must understand the market demand to position company products to correct spectrum.

* Multiple projects running at the same time and led by only a few team members (lack of leaders)
* Manual research process on product compete analysis (enable the team with AI Agentic based Research assistant).
* Lack of comprehensive risk assessment for the projects (AI Agent for Project scheduling and Risk assessment).
* Missed milestones, leading to overhead cost (AI Agent to track milestone and easy release management).

**Assumption:**

* Current team is lean; only know to use traditional approach for performing the research.
  + Identify a use case based on the product knowledge
  + Identify the demand of use cases in the market
  + Collecting all the information and aggregate this takes time
* All the team members are focused on their work to release
* Identify and resolve the repetitive work doing by team members
  + Huge Documentation for every product
  + Sharing data between different organizations like sales, engineering, marketing, product, devops, tech support, documentation
  + Quick representation of data comparable with external source
  + Holistic view of each org status
  + Manual Testing
  + Tech writer based documentation
  + Manual Review Process
  + Code generation support for Operations
  + Long process for hardware performance test

**Applications for Agentic AI**

1. **Transparent Information between the organizations within the company.**

To unify fragmented organizational knowledge and enable real time context sharing between organizations.

* 1. Pain Point:
     1. Appropriate information is not available in finger tip for each group
     2. Manual documentation and review process
     3. Quick representation of data in relevant view
     4. Inefficient data representation and comparison with external sources.
  2. Technical impact:
     1. This bridge information available in each group with a holistic view
     2. Knowledge Graph Engine
     3. Route relevant org specific view
     4. Each organization status
     5. Bench mark internal data against industry metrices
  3. 5 Success Metrices:
     1. Response Time
     2. Correctness
     3. Quality Index
     4. User Views
     5. Time to Market
     6. Revenue
     7. Reduce Technical Debt %
     8. Research index
  4. Knowledge base of agent:
     1. Organizational knowledge workflows and KPIs
     2. Company knowledge
     3. Product documentation and release notes
     4. Company knowledge comparable to industry benchmark
     5. Competitor data
  5. Business Impact
     1. Empowers sales with real time
     2. Reduce overhead of redundant documentation
     3. Enable the leadership visibility into organizational health and readiness.

1. **Performance Bottleneck Resolution Agent**

To accelerate identification and resolution of performance bottlenecks across product lifecycle, reduce SME dependency and customer confidence.

* 1. Pain Point:
     1. Turnaround time for performance metrices for an idea
     2. Many SMEs time and delay to success for troubleshoot
     3. Lack of benchmark driven product maturity insights
  2. Technical Impact:
     1. Customer Confidence
     2. Aggregates internal and external performance benchmarks
     3. Quick root cause analysis
     4. Recommend the resolution
     5. Man in the middle approach to validate resolution by SMEs
     6. Maturity of Product in comparison with industry
  3. 5 Success metrices:
     1. Bottleneck identification time
     2. Bottleneck resolution time
     3. # of accurate identifications
     4. # of accurate resolutions
     5. Number of benchmarks performed
     6. Revenue weightage based on benchmark results (May not relevant)
     7. Ranking of product in the industry (May not relevant)
  4. Knowledge base (data used to provision the agent):
     1. Technical Knowledge about the internal performance of product.
     2. SME troubleshooting history
     3. More precise information about product performance
     4. Gather all Solutions available externally in relevant area
  5. Business impact:
     1. Reduces SME dependency and accelerates resolution
     2. Position the product competitively with maturity
     3. Build customer trust
     4. Revenue weightage based on benchmark results
     5. Ranking of product in the industry

**Build an AI Agent “Mira”**

1. Create a Project Plan based on the high level project details
2. Project name “AI Adoption for ABCDE Ltd.”
3. Input => AI Agent => high level project plan, generate weekly status reports, consolidated report over an email.

Input: Project Files and Trello board

Output:

1. High level project plan
2. Create weekly status report based on kanban board
3. Email consolidated reports automatically

Evaluation:

Try different data and see how accurate the project plan

Agent Architecture

1. workflow engine
2. AI Agent (Brain)
3. Trello API integration
4. Weekly reporter
5. Email Report

- Project Plan

- Weekly Report

- Consolidated Status

Agent

Inp

Trello API Integration

LLM

Weekly reporter

Email Report

Design

1. File uploaded txt file
2. Parse details from text file
   1. Project objective
   2. Milestones
   3. Deliverables
   4. Timeline
3. Trello API Integration
   1. Authenticate via API Key/Token
   2. Fetch details from specific list TODO, InProgress, Done
   3. Metadata: title, due date, assignees
4. AI Agent
   1. Process
      1. Fetched file data
      2. Trello list
   2. Highlevel plan
      1. Objective
      2. Milestones
         1. Sprint 1: Requirement Gathering
         2. Sprint 2: System Design
         3. Sprint 3: Development
         4. Sprint 4: Validation and Acceptance
         5. Sprint 5: General Availability
      3. Deliverables
      4. Timeline
5. Weekly Reporter
   1. Scheduler
   2. Analyze Trello Board
      1. Percentage of tasks completed
      2. Blockers
      3. Velocity InProgress to Done
   3. Weekly Status Report:

Heading: Weekly Status Report – W#

Bullet points:

Tasks Completed: n

In Progress: k

Blocked: b

Velocity: Percentage in Current Sprint compare with Previous

Comments:

1. Email Report:
   1. Format an email:
      1. To List (Target Receipients)
      2. Subject: Weekly Project Status – <w#> - <project name>
      3. Attach the report
      4. Quick Summary