#5-Week Generative Al Proof of Concept: RAG-Based GenAl

iLink leverages Generative AI capabilities to provide industry-specific, bespoke solutions. With expertise in using generative AI technologies across structured and unstructured data, iLink empowers businesses to streamline operations, maximize efficiency, and drive innovation, accelerating growth across diverse sectors.



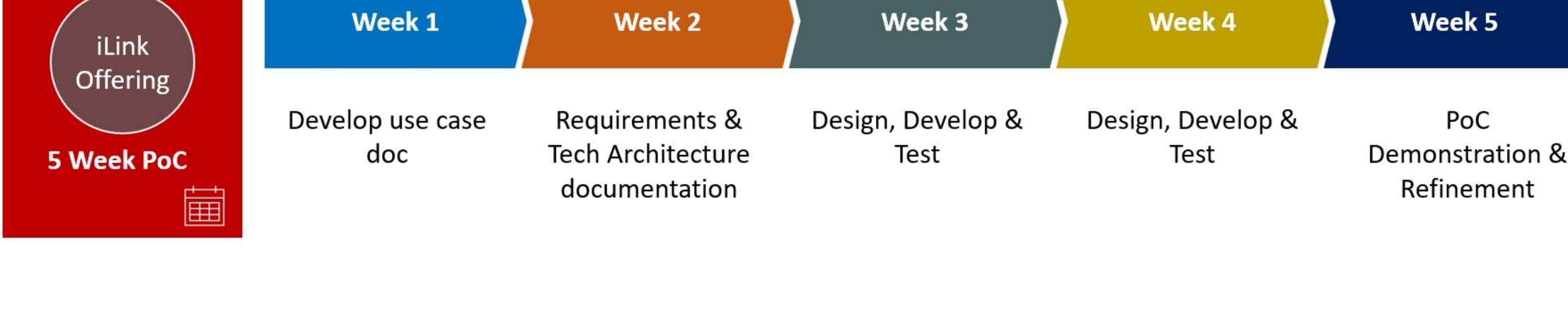
Description:

Generation (RAG)-based, organization-specific Generative AI (GenAI) use cases. Throughout the PoC, we will collaborate closely with the organization to identify and develop,p specific use cases where RAG-based GenAI can deliver significant value. The process includes data gathering, prompt engineering, and iterative testing to ensure alignment with business objectives. By the end of the PoC, we will demonstrate a working prototype that showcases the potential of GenAI to enhance decision-making, automate

This five-week Proof of Concept (PoC) aims to develop and validate Retrieval-Augmented

processes, and drive innovation within the organization.

Steps:



Objectives:

Week 1: Kickoff and Requirements gathering

✓ Establish clear communication channels and project governance.

- **Activities:**

Define the use case and success criteria.

Kickoff Meeting:



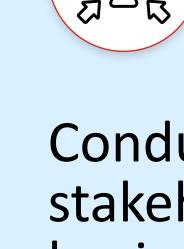
Introduce the project team from both vendor

Outline project goals, scope, timeline, and deliverables.

Discuss and finalize

and organization.

communication protocols.



Conduct workshops with key stakeholders to understand business needs.

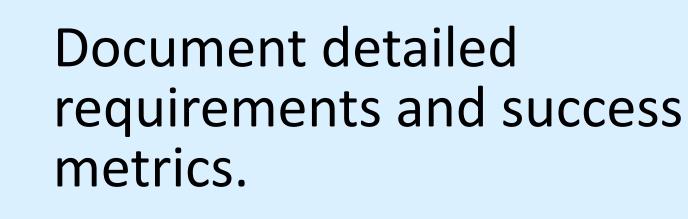
Gathering:

Requirements

Identify data sources, current analytics capabilities, and pain points.

the PoC (e.g., customer segmentation, predictive analytics).

Define the specific use case for



Documentation:

with milestones and deliverables.

Develop a project plan

✓ Set up the technical environment.

Week 2: Environment Setup and Data Preparation

✓ Prepare and ingest initial data.

Objectives:

- **Activities:**
- **Technical**

Environment Setup:

on-premises).

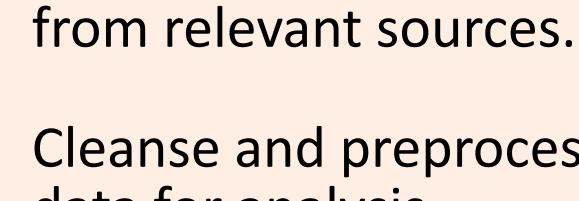


Provision necessary infrastructure (cloud/

Install and configure the data analytics platform.

Week 3: Solution Development

Design:

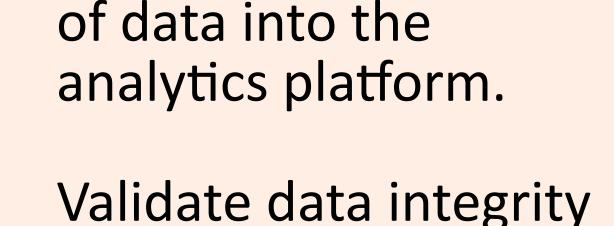


Cleanse and preprocess data for analysis.

Identify and collect data

Data Preparation:

Ensure data security and compliance measures are in place.



Perform an initial load

Initial Data Load:

and quality.

✓ Build necessary data models, dashboards, and reports.

Activities: Solution

case.

Objectives:

Design data models Implement data ingestion and tailored to the use transformation processes.

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Develop the solution to address the defined use case.

✓ Test the solution thoroughly.

✓ Refine and optimize based on feedback.

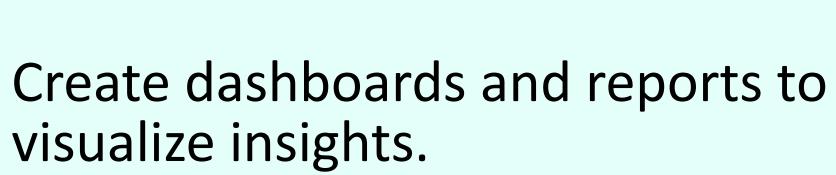
processing pipelines.

Outline analytics

workflows and

Objectives:

Activities:



Development:

Develop analytics models (e.g.,

machine learning models for

customer segmentation).

Week 4: Testing and Refinement Objectives:

Optimize data models

workflows for efficiency.

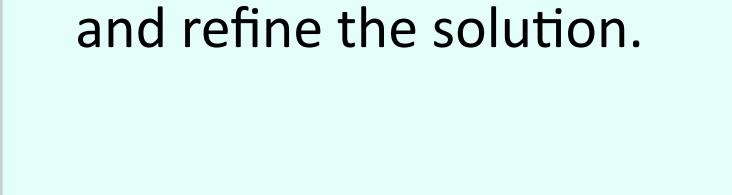
identified during testing.

Enhance dashboards and

and processing

Address any issues

reports based on



Incorporate feedback

Conduct regular check-

ins with stakeholders to

review progress.

Iterative Feedback:

User Training:

Provide training

documentation.

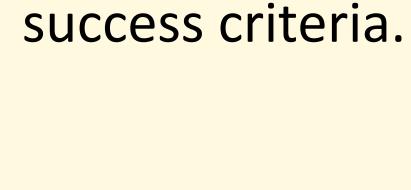
sessions for end-users

Create user guides and

and administrators.

Refinement: Testing:

Perform functional testing to ensure the solution works as intended.



Objectives:

Activities:

Final

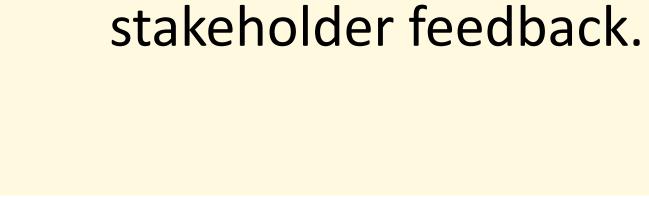
Demonstration:

Validate results against

Conduct performance

and responsiveness.

testing to assess scalability



Discuss potential next

steps and full-scale

implementation.

Present the final solution, Gather feedback from stakeholders. highlighting key insights and value delivered.

are invested in high-impact projects.

reports, and analytics models.

Benefits:

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Showcase dashboards,





Stakeholder क्रिक्रक Handover: **Review:**

Demonstrate the final solution to stakeholders.

✓ Transition the PoC environment to the organization.

results.

Transfer knowledge and

Provide support for initial

Discuss and plan for potential

full deployment based on PoC

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documentation to the

organization's team.

post-PoC period.

before committing to full-scale implementation. Stakeholder Engagement: Demonstrates the potential of GenAl to stakeholders, building support and enthusiasm for AI initiatives.

Innovation Validation: Tests the viability of innovative Al ideas in a real-world setting

a smaller scale.

Risk Reduction: Mitigates the risks associated with Al adoption by validating concepts on

• Focused Investment: Identifies the most promising Al use cases, ensuring that resources

- Capability Assessment: Evaluates the organization's infrastructure and readiness to support AI technologies.
- Improved Decision-Making: Enhances decision-making capabilities with Al-driven insights and data analysis.
- Competitive Advantage: Positions the organization as a leader in Al adoption, leveraging cutting-edge technology to stay ahead in the market.

