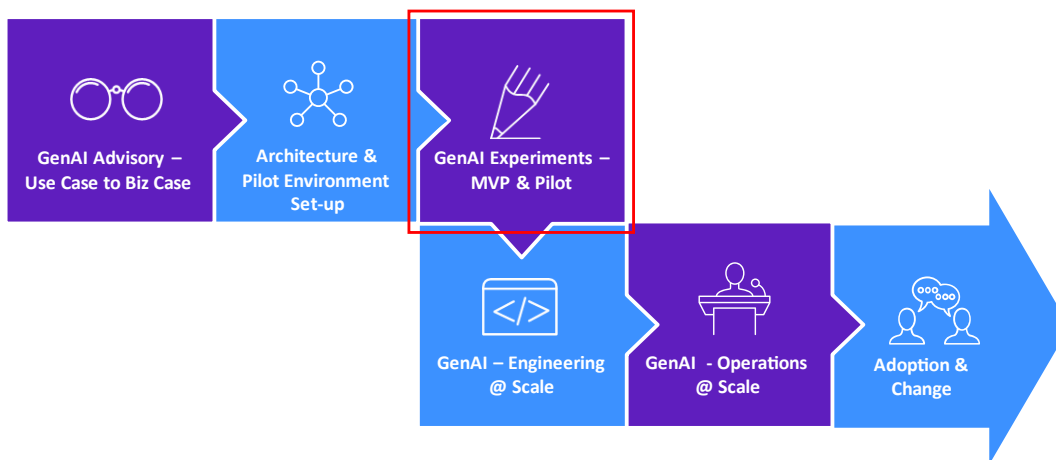


HCLTech GenAI Experiments

Introduction

HCLTech's Gen AI Experiments offering is a part of suite of offerings dedicated to enabling enterprises onboard the Generative AI Innovation Journey. The suite contains below offering of which one or many can be chosen by client depending on their state of maturity:

1. GenAI Advisory- Use Case to Biz Case
2. Architecture & Pilot Environment Set-up
- 3. GenAI Experiments- MVP & Pilot**
4. Gen AI- Engineering @ Scale
5. GenAI- Operations @ Scale
6. Adoption & Change



HCLTech's GenAI Experiments enables the enterprises to leverage the principles of product design, sprint, and lean start-up to rapidly experiment and validate ideas. Some of the Key Steps curated for Radically "Iterative" process of LLM experimentations are mentioned below. Depending upon the use case complexity, business expectations and timeframe, all/ some of these steps can be customized & adopted for the Experimentation.

- Set Objectives: Define the business objectives and goals for Gen AI adoption
- Identify Use cases: Assess current systems and operations to identify specific use cases where AI can be implemented
- Evaluate LLM Technologies: Research and evaluate various AI technologies, tools, and platforms that can be used to address the identified use cases
- Develop Proof of Concept: Select a high-impact use case and develop a PoC to test the feasibility and effectiveness of the chosen AI technology
- Establish a Data Strategy: Develop a comprehensive data strategy to ensure the availability of high-quality, clean, and secure data for AI systems
- Build a Skilled Team: Assemble a team of AI experts, data scientists, and domain experts to develop, implement, and maintain AI solutions

- **Uptrain/Fine-Tune LLM Model:** Uptrain the LLM using labeled domain data and Prompt engineering to fine-tune output
- **Integrate AI Systems:** Integrate AI existing systems and processes to Ensure seamless integration with other enterprise systems
- **Monitor and Optimize:** Track key performance metrics and evaluate the impact of AI on operations, customer experience, and financial outcomes

Service Overview

HCLTech's Rapid Gen AI Experimentation offering allows customers to evaluate various large models by embracing product design, sprint, and lean start-up principles to rapidly experiment and validate ideas, Powering their Innovation Journey. HCLTech provides professional services for experimentation/ building pilot of Gen AI Use Cases leveraging Azure Native Services including OpenAI services to fast-track enterprises' Generative AI adoption journey.

Scope & Objectives

With an aim to fast-track enterprises' Generative AI adoption journey, our Rapid Gen AI Experimentation offering enables:

- **Rapid Prototyping-** Embracing product design, sprint, and lean start-up principles to rapidly experiment and validate ideas
- **Evaluate & Compare-** Evaluate various large models (including open-source ones) and compare results for new product and service ideas
- **Collaborative Model-** Creating innovative design requires the collective knowledge of stakeholders, end-users and multidisciplinary teams

Customer Centricity- Placing customers at the center of the design process ensures the creation of products and services that end users need

Tools and accelerators

- Use Case Prioritization Framework
- Reference Architecture – customizable to existing data investments
- Catalog of plain-vanilla use cases to showcase/ proof of value

Deliverables:

A 3-phased approach, Discover-Design-Deliver will be adopted for setting up the Generative AI Innovation Platform.

Phase (Timeline)	Activities
DD & Business Framing (Week 1-2)	<ul style="list-style-type: none">• Problem Statement Definition• Business Case Creation• Perceived value estimate• Analyze and Understand current platform capabilities• Evaluate data availability or cost to procure data• Cost & timeline estimate for experimentation
Solution Design & Set-up (Week 3-4)	<ul style="list-style-type: none">• Develop solution design and design alternatives• Enable GenAI platform, ensuring proper integrations and workflows• Select GenAI implementation pathway• Design End to End "To-Be" Process Maps
Deliver Proof Of Concept (Week 5-10)	<ul style="list-style-type: none">• Define success parameters• Acquire data• Rapid Exploratory Analysis & Model Building• Integrate GenAI capabilities into the selected solution• Prompt engineering & Retrieval augmentation• Validation & Evaluation
POC Outcome (Week 11-12)	<ul style="list-style-type: none">• Successful experimentation with LLM models to demonstrate the feasibility of using generative AI• Business Case Validation• Well-defined AI performance metrics• Roadmap for productionization

Outcome:

At the end of the project, i.e. during the outcome period, following key deliverables will be shared with client:

- Feasibility report with summarized findings from the POC/ experiment
- Performance Metrics & Benchmarking Results
- Roadmap for implementation of production environment

HCLTech | Supercharging
Progress™

hcltech.com