EnsarGenerative Al Workflows

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Business Process Operations Workflows

Front Office (Customer Care / Service)

Middle Office (Supply Chain / Risk etc.)

Back Office (Finance / Procurement etc.)



Business Process
Observability /
Cases
(Issues / Request)



Process Analysis



Process Execution



Process Improvement



Customer
Value =
Customer
Experience

Gen Al Synergy:

- Search and Retrieval
- Intent Extraction and Response

Gen Al Synergy:

- Prompt Automation
- SOP generation
- Faster text generation & improved productivity

- Knowledge Summarization
- Language Translation
- Assisted process reengineering



Application Development and Support Workflows

Custom & Packaged Software

Data Management & Analytics

Software Development Processes



Customer
Requirements
/ Features /
Bugs



Analysis & Process Mining



Experiment & Pilot



Build, Operate &govern



Adopt and Change



Customer
Value =
Intelligent
Apps

Gen Al Synergy:

 AI Transformation Roadmap Development

Gen Al Synergy:

- Model Development
- Use/Test Case Generation

Gen Al Synergy:

- Automation Workflows
- Automated Code / Test / UI / UX Generation

- Translation
- Knowledge Mining, Triaging and Search



Infrastructure & Operations Workflows

Infrastructure

End User and Devices

Cyber-Security



Tech Observability & Ticket
(Incident / Request /Changes)

Projects



System/ Root Cause Analysis (RCA)



Troubleshooting and Remediation



Restoration and Support



Customer
Value =
Service
Assurance

Gen Al Synergy:

- Analysis and potential RCA extraction
- Intent Extraction and Response

Gen Al Synergy:

- Remedial Script and SOP generation
- Assisted Threat modelling
- Enhance employee performance

- Knowledge
 Summarization
- Language Translation



Systems and Product Engineering Workflows

Software Product Engineering

Silicon and Mechatronics

Operational Technologies



Customer Need / System Requirements



Plan & Feasibility



Design & Engineer



Build & Test



Support 2 & Maintenance



Customer
Value =
Al Enabled
Devices & Systems

Gen Al Synergy:

- Improved efficiency for feasibility analysis
- Assisted plan & Specification generation

Gen Al Synergy:

- Smart Factory Automation
- Software Engineering, Hardware & VLSI Design workflows
- UX Design & Content generation

Gen Al Synergy:

- Automated Code Generation & Review
- DevSecOps
- Code Testing & Optimization

- System simulation & Monitoring
- Automated L1 Support
- AI enabled QC & Inspection



Potential Services Opportunities in GenAl



Prompt Engineering

Testing and refining prompts to optimize them for specific tasks, using techniques such as prompt tuning, blending, and synthesis.



Data **Engineering**

- Creation and Capture
- Gen AI driven Engineering
- Gen AI driven Insights



Integration and Orchestration of Intelligent Apps

Orchestration across NLP, Generative AI Systems, knowledge Systems for Text, Image, Video, Audio



Responsible Al

An AI system that enables: Privacy and Security

- Inclusion
- Fairness
- Traceability
- Accountability
- Trustability Of Results
- Reliability
- Change Management



Generative AI Enterprise Solutions

	Emerging Business Model Enablement • Enterprise								• Enterprise Solutions
Enterprise Solutions	Hybrid Industry Integrations Solutions		Process Reimagine	Job d Augmentation		Composable Enterprise	Composable Functions	le Digital Workers	Functional Solutions Process & Role Solutions
\uparrow									
Enablement Applications	Horizontal: Integration & App Accelerators			Vertical: Integration & App Accelerators		Operation	Operational: LLMs		• Solution
	ML Generative Services App Builders		Plug-Ins & APIs	Prompt Engineering & Orchestration	ERP, CRM, etc. Integrations	Industri Integra		Supply Chain Management	Development • Service
			Ecosystem Marketplaces	Prompt Pre-Processing Embeddings & A		s IoT & M2M Connec		Connected City	Infrastructure • Business Enablement nt
	Horizontal: LL	Ma		Vertical: LLMs		Function	a mile 1134 a		
Foundational Models	HOHZOHTAI. LEMS		vertical. LLMS		runction	Functional: LLMs		Conversation	
	Google Vertex	Microsoft Al	AWS Bedrock	BloombergGPT	Einstein GPT	Microso Copilot		Compliance	al Interface • Content
	Databricks LLaMA	OpenAl	Open Source LLMs	Truveta	Travel	Cyberse	ecurity I	Marketing	Generatio n
Δ.									Al Tool Orchestratio
									n
Al Tool Proliferation	AI/ML Models and Methods		AI/ML Multi Entity Integration		AI/ML Sp	AI/ML Specialty Tools			
	Advanced Analytics Computer V		nputer Vision	Enterprise Process APIS Orchestration		Wolfran	Wolfram Alpha Health		Discrete Al Tools Distributed Al Tools
	NLP RLS, GANS &		GANs & GNNs	Transaction Orchestration	Event Management	CyberT		Autonomous /ehicle Al	• Proprietary Al Tools



GenAl Lab @ Ensar University

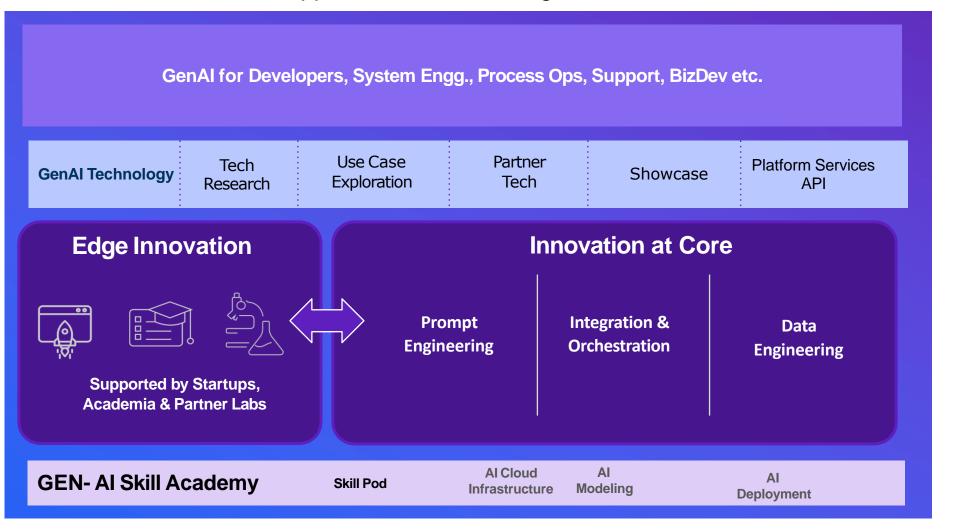
What GenAl Lab does

GenAl Lab supports teams in building solutions and services

- 1 Offering
- Incubation Engine

3 Ecosystem Innovation

Skill Engineering





Generative AI-Driven Industry Innovation



Banking

- Personal finance management and budgeting advice
- Customer assistance with banking inquiries/transactions
- · Account management, fraud detection and risk assessment



Insurance

- Chatbots for handling insurance quotes, policy inquiries and claim notice of loss
- Assistance with underwriting risk assessment and claim investigation
- Guidance on product selection and loss prevention



Communications & Media

- · Automated journalism for generating news articles or summaries
- · Assistance for journalists in research and fact-checking
- Content moderation for online comments and forums



Retail

- Product recommendations based on user preferences
- Product selection and personalized shopping
- Automated chatbots and assistants for customer queries



Hi-Tech

- Extraction of insights from unstructured data sources
- Virtual assistants that can help employees automate repetitive tasks
- · Improvement in machine translation by reducing errors



Industrials

- Predictive maintenance for industrial equipment
- · Quality control to identify defects in industrial products and improve the quality
- Optimization of industrial supply chains by predicting demand and identifying bottlenecks



Software

- Chatbots can respond and offer personalized solutions
- Code generation based on natural language descriptions
- Analysis of user feedback and reviews to identify common themes



Consumer Goods & Services

- Personalized recommendations for products and services
- Chatbots and virtual assistants that can help customers with common questions
- Marketing campaigns that analyze customer data and generate personalized messages



Healthcare

- Symptom checkers and preliminary diagnosis
- Mental health support and therapy
- Administrative tasks automation



Automotive

- · Virtual assistants for in-car infotainment systems
- · Assistance with vehicle troubleshooting
- Chatbots for dealership support



Travel

- Chatbots for booking flights, hotels and packages
- Recommendations for travel destinations and itineraries
- Advice on local information and points of interest



Life Sciences

- Drug discovery and development processes
- · Automation of literature reviews and data analysis in research
- Guidance on regulatory compliance and quality control



How We Work With You Contact us at genai@ensarsolutions.com



R&D and Experimentation

We created a generative AI R&D lab to help drive research and innovation of LLMs on the market. Our hands-on practitioners and experts are continuously tracking major developments and can provide insights and recommendations on LLM providers and models for your business, as well as security and responsible AI considerations. We use all this knowledge to create custom LLM solutions tailored just for you.



Generative AI Advisory

With all the possibilities, it can be overwhelming to determine the best way to leverage generative AI for your business. Our team of business and tech experts can help you see how these programs can really make a difference for you. We offer quick reviews and special workshops to focus on what's most important for your business. This helps you plan out a strategy to get ahead of the competition.



PoC & MVP Delivery

To understand the feasibility and value of generative AI use cases, our integrated teams help you rapidly develop proofs of concept (PoCs) and production-ready minimum viable products (MVPs) tailored to your needs. First, we craft a detailed vision for your priority use cases and deliver a PoC with foundational data capabilities. Then, we help you prepare a pipeline of future use cases to inspire continuous innovation. Depending on your requirements, we offer simple PoCs in just a few weeks or production-ready MVPs with a scaling roadmap over the course of several months.



Generative AI Business Transformation

To make the most of generative AI requires a new set of enterprise architectures, technology capabilities and operating models. It demands a new digital ecosystem with experiences that go beyond the traditional digital experience. To achieve this, we drive your AI transformation journey from end to end—unlocking scalable data platforms and AI products for prioritized use cases, ensuring LLM security and responsible AI compliance, and operationalizing AI across your enterprise with our organizational change management, machine learning and LLMOps expertise.

