

AI Implementation Framework

A Strategic 3-Layer Approach for Enterprise AI Adoption

1. AI Literacy

Build foundational understanding of AI capabilities across the organization. Educate stakeholders on different AI technologies, their applications, and potential impact on business processes.

2. Business Problems Identification

Map specific business challenges to AI solutions. Identify high-impact use cases that align with strategic objectives and deliver measurable ROI.

3. Implementation Strategy

Define the execution approach including technology stack, resource allocation, deployment models, and governance framework for sustainable AI adoption.

AI Implementation Components

Detailed breakdown of each implementation layer

1. AI Literacy Elements

- **Core Capabilities:** Machine Learning, Deep Learning, Generative AI, Process Automation,
- **Use Cases:** AI capabilities used in solving real-life issues
- **Current technologies:** Platforms, models, development and deployment

2. Business-Specific Use Cases

Department-Specific Opportunities:

- **HR:** Resume screening, chatbot for policies, personalized training recommendations, employee sentiment analysis
- **Procurement:** Automated vendor selection, contract analysis, spend optimization, risk assessment
- **Production:** Quality defect detection, predictive maintenance, supply chain optimization, resource allocation
- **Sales:** Customer behavior prediction, price optimization, market trend analysis
- **Operations:** Document processing, workflow automation, customer service enhancement

3. Implementation Approach

Strategic Decisions:

- Build vs. Buy vs. Partnership
- On-premises vs. Cloud deployment
- Internal capability development vs. External expertise
- Data governance and security requirements

Agile AI Implementation Roadmap

Foundation Phase
AI Literacy Program
• Level 1-2-3 trainings

Discovery Phase
Business Problem Assessment
• Department consultations
• Use case prioritization
• ROI potential analysis
• High-impact POC selection

Pilot Phase
Proof of Concept Development
• Internal team identification
• Small-scope implementation
• Rapid prototyping
• Success metrics validation