

AVAGAMA.AI

Enterprise AI Automation Platform

Complete Functional Document

Platform Features, Modules & Product Roadmap

Document Type	Functional Specification
Version	V1.0
Date	March 2026
Prepared by	Avaali Solutions Pvt. Ltd.

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1. Introduction & Platform Overview

Avagama.AI is a cloud-native, multi-tenant SaaS platform that helps enterprises systematically discover, evaluate, prioritize, and roadmap their AI and automation adoption journey. Powered by purpose-built AI agents, Avagama transforms what was traditionally a costly, consultant-driven, multi-month engagement into an on-demand, self-service, and repeatable process available to organizations of any size.

The platform serves as an end-to-end intelligence layer between an organization's business operations and its automation technology investments — providing structured, data-driven guidance at every stage from opportunity identification to production deployment planning.

Core Value Proposition

Avagama eliminates the guesswork from enterprise AI adoption. Instead of spending months on consulting engagements, enterprises can identify high-value automation opportunities, assess technical feasibility, compare options side-by-side, and generate a prioritized implementation roadmap — all within a single platform session.

1.1 Platform Pillars

Avagama is structured around four core pillars:

- **Discovery** — Identify automation and AI use cases tailored to your company or domain
- **Evaluation** — Assess any business process across 10 critical dimensions to determine automation fit
- **Management** — Shortlist, compare, and prioritize use cases using strategic visualization tools
- **Intelligence Dashboard** — Track adoption progress, ROI, and performance across the enterprise

1.2 Target Users

User Persona	Primary Use	Key Benefit
CTO / CDO	Strategic AI portfolio planning	Board-ready quadrant view & ROI tracking
Automation CoE Lead	Use case discovery & pipeline management	Structured discovery with ROI scores
Business Analyst	Process evaluation & fitment	10-dimension scoring & LLM recommendations
IT Architect	Technical feasibility & solution mapping	Top 3 solutions + top 3 LLMs per use case
Process Owner	Identify automation candidates	Quick discovery by domain or company name

2. Discovery Vertical

The Discovery Vertical is the entry point for AI and automation opportunity identification. It offers two distinct discovery modes — Company-Based and Domain-Based — powered by AI agents that synthesize publicly available data, industry intelligence, and LLM-trained knowledge to surface relevant use cases.

2.1 Company-Based Discovery

Purpose

Enables enterprises to discover automation and AI use cases specific to their organization by simply entering their company name. The AI agents analyze the company's known business domains, industry classification, operational footprint, and public information to generate a curated set of actionable use cases.

User Journey

1. User navigates to Discovery > Company Focus
2. Enters company name in the search field
3. AI agents perform background research and synthesis
4. Results are displayed as a list of prioritized use cases
5. Each use case can be expanded for detailed analysis
6. Results can be exported to Excel or shortlisted for evaluation

Output Fields per Use Case

Output Field	Description
Use Case Title	Short, descriptive name of the automation opportunity
Description	Detailed explanation of the process and automation potential
ROI Classification	Categorized as Strong, Moderate, or Low based on expected return
Technical Feasibility	Score indicating implementation ease and technical readiness
Business Benefit	Quantified impact on cost, speed, quality, or compliance
Functional Steps	Step-by-step execution roadmap for the use case
AI Reasoning Matrix	Multi-factor reasoning explaining why this use case was selected
Benefit Score	Composite score (0–100) summarizing overall value
Weighted Alignment Index	Strategic alignment score against organizational objectives
Ask Avagama Button	Opens contextual AI chatbot for drill-down and Q&A

2.2 Domain-Based Discovery

Purpose

Allows users to discover AI and automation opportunities based on a functional domain, user role, and specific business objectives — without requiring company-specific data. This mode is ideal for domain experts, functional leaders, or organizations that want to explore opportunities bottom-up.

Input Parameters

- Domain — The functional area to explore (e.g., Finance, Supply Chain, HR, Legal, IT Operations, Customer Service, Procurement, Manufacturing)
- User Role — The persona performing the process (e.g., CFO, Operations Manager, Compliance Officer, Data Analyst)
- Objectives — One or more business objectives to target (e.g., Cost Reduction, Cycle Time Improvement, Error Elimination, Regulatory Compliance, Customer Experience)

Output

Results mirror the Company-Based Discovery output structure, delivering use cases with ROI classification, benefit scores, functional execution steps, AI reasoning matrix, and Ask Avagama chatbot access. Results are exportable to Excel.

Key Differentiator

Unlike generic AI chatbots that provide ad-hoc suggestions, Avagama's discovery engine applies a structured evaluation framework to each use case, assigning quantified scores, providing multi-factor reasoning, and mapping functional execution steps — making results directly actionable.

3. Evaluation Vertical

The Evaluation Vertical enables users to submit any specific business process for in-depth automation assessment. The evaluation engine determines the optimal automation modality, scores feasibility and business impact, and recommends specific products and AI models.

3.1 Process Submission

Input Fields

Field	Required	Description
Process Description	Mandatory	Full SOP, narrative description, or concise summary of the process
Process Volume	Optional	Number of transactions/instances processed per unit time
Process Frequency	Optional	How often the process runs (daily/weekly/monthly/ad-hoc)
Exception Rate	Optional	Percentage of cases that deviate from standard flow
Process Complexity	Optional	Overall complexity level (Low / Medium / High)
Risk Tolerance	Optional	Acceptable level of error or failure in automation
Compliance Sensitivity	Optional	Degree of regulatory or audit requirement
Decision Points	Optional	Number and nature of key decision nodes in the process

3.2 The 10-Dimension Analysis Framework

Every process submitted for evaluation is scored across 10 proprietary dimensions. This multi-dimensional framework ensures that automation modality recommendations are grounded in the specific characteristics of each process rather than surface-level attributes.

#	Dimension	What It Measures	Impact on Recommendation
1	Knowledge Intensity	Degree of specialized domain knowledge required to execute the process	High → AI/Agentic; Low → RPA
2	Decision Intensity	Frequency and complexity of decision points within the process	High → Agentic AI; Low → RPA
3	Data Structure	Whether data inputs are structured (tables, forms) or unstructured (PDFs, emails)	Unstructured → AI; Structured → RPA
4	Context Awareness	Need to interpret situational, historical, or relational context	High → Augment/Agentic AI
5	Exception Handling	Rate and complexity of process deviations from standard flow	High exceptions → Process Transformation
6	Orchestration Complexity	Number of systems, APIs, and handoffs involved	High → Agentic AI orchestration

#	Dimension	What It Measures	Impact on Recommendation
7	Process Volume	Transaction throughput per unit time	High volume → RPA or AI at scale
8	Process Frequency	How often the process recurs	Low frequency → Consider ROI carefully
9	Risk Tolerance	Acceptable error rate and consequence of failure	Low tolerance → Augment AI or human-in-loop
10	Compliance Sensitivity	Regulatory, audit, and data governance requirements	High → requires explainability and logging

3.3 Automation Modality Recommendations

Based on the 10-dimension scoring, the platform recommends one of five automation modalities:

Modality	Description	Typical Use Cases
RPA (Robotic Process Automation)	Rule-based automation of structured, repetitive, high-volume tasks	Invoice processing, data migration, report generation
Agentic AI	Autonomous AI agents that plan, reason, and execute multi-step tasks with minimal human intervention	Complex research tasks, multi-system orchestration
Augment AI	AI that augments human decision-making by providing intelligent recommendations, classifications, or summaries	Customer support triage, risk assessment, document review
Process Transformation	The process itself needs to be redesigned before automation is applied	Legacy manual processes with high exception rates
Data Transformation	The underlying data quality, structure, or accessibility must be improved before automation is viable	Siloed data systems, inconsistent master data

3.4 Evaluation Outputs

- Automation Score — A composite metric (0–100) quantifying the overall automation potential of the process
- Recommended Fitment — The primary automation modality best suited for the process
- Technical Feasibility Score — Rating of implementation ease, data readiness, and technical prerequisites
- Business Benefit Score — Quantified impact assessment across cost, speed, quality, and compliance dimensions
- Top 3 Point Solutions — The three best-fit automation products/platforms available in the market for this specific use case
- Top 3 LLMs — The three most appropriate large language models for AI-based automation (when AI modality applies)

- Ask Avagama Chatbot — Contextual AI chatbot for further drill-down, clarification, and implementation guidance

4. Use Case Management & Strategic Analysis

Once use cases are discovered or evaluated, Avagama provides a comprehensive suite of management tools to help organizations shortlist, compare, and strategically position their automation investments.

4.1 Shortlisting

Users can add any discovered or evaluated use case to a personal or team shortlist. Shortlisted use cases are stored within the tenant environment and can be accessed across sessions. Shortlists can be organized by priority, domain, or project.

4.2 Side-by-Side Comparison

Shortlisted use cases can be compared in two modes:

- **One-on-One Comparison** — Two use cases displayed side by side across all evaluation dimensions
- **One-on-Many Comparison** — One use case benchmarked against multiple alternatives simultaneously

Comparison view covers: Automation Score, Technical Feasibility, Business Benefit, ROI Classification, Recommended Modality, Top Solutions, and Weighted Alignment Index.

4.3 Strategic Quadrant View (2x2 Leadership Matrix)

The strategic quadrant provides a 2x2 matrix visualization — plotting use cases on axes of Business Value (Y-axis) vs. Technical Feasibility (X-axis). This view is designed for executive and leadership consumption, enabling quick portfolio-level decision-making.

Quadrant	Characteristics	Recommended Action
Quick Wins (High Value, High Feasibility)	High business impact, straightforward to implement	Prioritize immediately — fast ROI
Strategic Bets (High Value, Low Feasibility)	Transformational potential, requires investment	Plan carefully — multi-phase execution
Low Hanging Fruit (Low Value, High Feasibility)	Easy to do but limited ROI	Include in CoE training or low-effort queue
Deprioritize (Low Value, Low Feasibility)	Limited return, complex execution	Defer or remove from roadmap

4.4 Export Functionality

All discovery results, evaluation outputs, shortlists, and comparison reports can be exported to Excel for offline analysis, leadership presentations, and external reporting. Export formats include individual use case reports and portfolio-level summaries.

5. Ask Avagama — Contextual AI Chatbot

Ask Avagama is an embedded conversational AI assistant available throughout the Discovery and Evaluation verticals. Unlike generic AI chatbots, Ask Avagama operates in full context of the current use case or evaluation results, providing targeted, relevant, and actionable responses.

5.1 Capabilities

- Answer follow-up questions about a specific use case or evaluation result
- Provide deeper explanations of dimension scores and their rationale
- Suggest implementation approaches and sequencing for automation projects
- Recommend change management considerations for specific automation types
- Compare automation vendors or LLM options in natural language
- Help draft requirements or scope definitions for shortlisted use cases

5.2 Context Awareness

Ask Avagama is pre-loaded with the context of the active use case or process evaluation — including all scores, dimension ratings, and recommendations. Users can ask questions like 'Why was this rated as Agentic AI?' or 'What are the key risks of implementing this?' and receive contextually accurate responses.

6. Analytics Dashboard

The Analytics Dashboard provides real-time, tenant-wide visibility into the organization's AI adoption journey. It aggregates data from all discovery and evaluation activities to deliver executive-level insights and operational metrics.

6.1 Dashboard Modules

Dashboard Module	Description
AI Opportunity Funnel	Visual pipeline showing the volume of use cases at each stage: Discovered → Evaluated → Shortlisted → Approved → In Production
Use Case Prioritization Matrix	Ranked table of all use cases by composite score, ROI classification, and business unit
Automation vs Redesign vs AI Fit	Category distribution of all evaluated processes across automation modalities — RPA, Agentic AI, Augment AI, Process Transformation, Data Transformation
ROI & Value Realization Tracker	Projected vs actual financial impact of approved and in-production use cases
Time-to-Production Trend	Average cycle time from use case discovery to production deployment, tracked over time
AI Adoption Heatmap	Geographic and functional spread of AI initiatives across business units, regions, and domains
Risk & Compliance Score	Aggregated risk exposure across the use case portfolio, flagging high-compliance-sensitivity items
Model / Use Case Performance	Effectiveness metrics for LLMs and automation solutions deployed from Avagama recommendations
Agentic Workflow Efficiency	Task completion rates, throughput, and exception handling metrics for deployed agentic AI workflows
User Engagement & Decision Metrics	Platform usage analytics: active users, decisions made, time-to-decision, and collaboration patterns

7. Multi-Tenant Architecture & Security

Avagama is built as a true multi-tenant SaaS platform. Each enterprise customer operates within an isolated tenant environment, ensuring complete data separation, security, and independent configuration.

7.1 Tenancy Model

- Tenant Isolation — Each customer's data, configurations, users, and use case portfolios are fully isolated from other tenants
- Custom Configuration — Each tenant can configure evaluation parameters, scoring weights, and dashboard views independently
- Role-Based Access Control — Admins, CoE Leads, Business Analysts, and Viewers each have distinct permission levels within a tenant
- Single Sign-On (SSO) Support — Enterprise tenants can integrate with existing identity providers

7.2 Data & Privacy

- Process descriptions and use case data submitted by users are stored within the tenant's isolated environment
- No cross-tenant data sharing or model training occurs on customer-submitted data
- Audit logs are maintained for all user actions within each tenant
- Data residency options available for regional compliance requirements

8. AI Agent Framework

All analytical intelligence within Avagama is powered by a network of purpose-built AI agents. These agents operate autonomously to retrieve, synthesize, score, and present insights without requiring manual configuration per use case.

8.1 Agent Types

Agent	Responsibility
Discovery Agent	Retrieves company/industry information, generates use case candidates, applies ROI classification logic
Evaluation Agent	Applies 10-dimension scoring framework, determines automation modality, generates feasibility and benefit scores
Solution Matching Agent	Matches evaluated processes to the top 3 point solutions from a curated technology database
LLM Recommendation Agent	Selects the top 3 LLMs based on use case requirements, data type, latency needs, and compliance constraints
Reasoning Agent	Generates the AI Reasoning Matrix and narrative explanations for all scores and recommendations
Chatbot Agent	Powers the Ask Avagama contextual chatbot — maintains context from the active session
Orchestration Agent	Coordinates all other agents, manages session state, and ensures consistent output formatting

8.2 Data Sources

- LLM base model knowledge (trained on industry, technology, and process data)
- Publicly available company information (industry classification, business domains, known operations)
- Curated technology database of automation solutions and LLM capabilities
- Proprietary process dimension scoring models developed by Avaali Solutions

9. Product Roadmap

Avagama follows a phased development and release roadmap. The current platform (Phase 1 — Generally Available) delivers the full Discovery, Evaluation, Use Case Management, Ask Avagama, and Analytics Dashboard capabilities. The following phases extend the platform with deep integrations and enterprise-grade capabilities.

Phase 1 — Generally Available (Current)

Status: Live

All Phase 1 capabilities are fully operational and available to enterprise tenants.

- Company-Based AI Use Case Discovery
- Domain-Based AI Use Case Discovery
- Process Evaluation with 10-Dimension Framework
- Automation Modality Recommendation (RPA, Agentic AI, Augment AI, Process Transformation, Data Transformation)
- Top 3 Point Solution Recommendations
- Top 3 LLM Recommendations
- Benefit Score & Weighted Alignment Index
- Use Case Shortlisting & Side-by-Side Comparison
- Strategic 2x2 Leadership Quadrant View
- Ask Avagama Contextual AI Chatbot
- Analytics Dashboard (all 10 modules)
- Excel Export for all results
- Multi-tenant Architecture with Role-Based Access

Phase 2 — Agentic AI Platform Integration

Status: In Development

Native integration with leading Agentic AI platforms to enable direct agent creation from shortlisted use cases.

- Integration with Agentic AI platforms (e.g., AutoGen, CrewAI, LangGraph, UiPath Autopilot)
- One-click agent scaffolding from a shortlisted use case — automatically generates agent architecture, tools list, and prompt templates
- Agent performance feedback loop into the Analytics Dashboard
- Agent version management and rollback within Avagama

Phase 3 — RPA Platform Integration

Status: Planned — Q3 2026

Direct integration with RPA platforms enabling bot creation workflows from Avagama-evaluated use cases.

- Integration with UiPath, Automation Anywhere, Blue Prism, and Power Automate
- Automated generation of Process Definition Documents (PDDs) from evaluation results
- Push shortlisted RPA use cases directly to RPA platform queues
- Bot performance metrics fed back into Avagama's ROI Tracker

Phase 4 — Process Mining Integration

Status: Planned — Q4 2026

Integration with process mining tools to enable data-driven, evidence-based discovery and evaluation using actual internal process data.

- Integration with Celonis, UiPath Process Mining, SAP Signavio, and IBM Process Mining
- Import process event logs from connected mining tools to augment Discovery with real internal data
- Evaluation engine enriched with actual process metrics (cycle time, deviation rate, exception patterns)
- Automatic identification of automation candidates from process mining findings

Phase 5 — RFP Generation & Vendor Management

Status: Planned — Q1 2027

Automated generation of Request for Proposal (RFP) documents for shortlisted use cases, accelerating vendor engagement.

- Automated RFP generation based on use case evaluation data — use case description, technical requirements, scoring criteria, and compliance requirements
- Vendor matching engine that maps shortlisted use cases to pre-qualified automation vendors
- Structured RFP templates by modality (RPA, Agentic AI, Augment AI)
- Vendor response tracking and scoring within Avagama

Roadmap Summary

Phase	Capability	Timeline	Status
Phase 1	Core Platform (Discovery, Evaluation, Dashboard)	Live	Generally Available
Phase 2	Agentic AI Platform Integration	Q2 2026	In Development
Phase 3	RPA Platform Integration	Q3 2026	Planned
Phase 4	Process Mining Integration	Q4 2026	Planned

Phase	Capability	Timeline	Status
Phase 5	RFP Generation & Vendor Management	Q1 2027	Planned

10. Contact & Support

For platform access, enterprise inquiries, or technical support, please contact the Avaali Solutions team:

Platform Support	Avagama.AI@avaali.com
Sales & Partnerships	Jaideep.ms@avaali.com
Technical Enquiries	Shivakumar.r@avaali.com
Website	www.avagama.ai
Company	Avaali Solutions Pvt. Ltd.