Pragna Documentation

Layman Overview

What it is:
Pragna is the *higher reasoning engine* of the ecosystem. While Ninaivalaigal+eM remembers facts and context, Pragna looks across all those memories to find insights, patterns, and recommendations.
Value:
- Turns logs into lessons and foresight.
- Spots patterns across many events.
- Suggests next steps based on historical context.
Analogy:
Think of Pragna as the **strategist** of the team — it studies the records, sees the trends, and advises on what to do next.

Technical Overview

Core Responsibilities:
- Cross-context reasoning: look across multiple contexts for patterns.
- Trend detection: identify recurring issues or opportunities.
- Recommendation engine: propose next-best-actions.
- Insight generation: summaries and foresight from historical data.
Building Blocks:
- Summarization and inference engine.
- Trend detection module.
- Next-action recommender.
- Interfaces to Ninaivalaigal+eM, SmritiOS, TarangAI, FluxMind.

Architecture Diagram

flowchart LR
NV[Ninaivalaigal+eM] --> PR[Pragna]
SM[SmritiOS] --> PR
PR --> FM[FluxMind]

Sequence Flow (Reasoning)

sequenceDiagram
participant NV as Ninaivalaigal+eM
participant PR as Pragna
participant SM as SmritiOS
participant FM as FluxMind
SM->>PR: Request insights
NV->>PR: Provide historical memories
PR->>PR: Analyze trends, summarize context
PR-->>SM: Recommendations
PR-->>FM: Insights for audit/visualization

Data Model (Simplified)

classDiagram
class Insight { id; type; description; sourceContexts }
class Trend { id; pattern; frequency; impact }
class Recommendation { id; action; priority; rationale }
Insight --> Trend
Recommendation --> Insight

Slide-style Summary (Layman)

- Pragna = Strategist
- Sees patterns across memories
- Suggests next steps
- Transforms recall into foresight

Slide-style Summary (Technical)

- Reasoning module with summarization and inference
- Detects trends across contexts
- Recommender for next-best-actions
- Interfaces with Ninaivalaigal+eM, SmritiOS, FluxMind