ITRM Instruction Manual:

🧾 ITRM Core Inputs by Module

1. Business Context

Input	Purpose
`client_name`	Display and export personalization
`assessment_date`	Date-stamping reports
`analyst_name`	Branding & traceability
`assessment_scope`	Scoping (e.g., full IT, DR only, cloud infra, etc.)

2. Financial Inputs

Input	Purpose
`baseline_revenue`	Used to calculate % IT spend and simulate revenue at risk
`it_expense`	Total annual IT spend (can be broken into categories)
`optimized_it_expense`	Post-recommendation spend for ROI calculations

Optional Categories (can be enabled or detailed)

- `hardware_expense`
- `software_expense`
- `cybersecurity_expense`
- `maintenance_expense`
- `telecom_expense`
- `personnel_expense`
- `bcdr_expense`

3. IT Architecture Inputs

Input	Purpose
`architecture_components`	List of infra components (e.g., AWS EC2, NetApp, VMware)
`component_maturity_scores`	Maturity score for each component
`component_risk_flags`	AIOps-based or user-defined risks
`criticality_score`	Business impact of each system (e.g., high/med/low)

4. Cybersecurity Assessment Inputs

Input	Purpose
`CIS_1_yes` – `CIS_N_yes`	Category-specific maturity scoring (Yes/No)
`Detect_1_yes`, etc.	Used to calculate per-domain cyber maturity %
`cyber_score`	Composite score across all categories

5. IT Maturity Assessment Inputs

Input	Purpose
`IT_Strategy_Alignment_score`	Raw score (0–5) for strategic alignment
`Cyber_Maturity_score`	Mirrors cyber module
`Financial_Planning_Accuracy_score`	Used for maturity impact on financial forecast
`Category_Score_x`	Other domain-specific maturity scores

6. ROI & Simulation Metrics (Calculated or Optional Override)

Input	Purpose
roi_multiple	Displayed in summary, can be auto-calculated
payback_period	Time to recoup investment
estimated_value	Total financial value realized (savings + risk avoided)
revenue_at_risk	Baseline and optimized business risk exposure

✅ Summary: Key Required Inputs

To run the **full simulation and summary**, the absolute required inputs include:

- baseline_revenue
- it_expense and optimized_it_expense
- cyber_score or maturity scores
- architecture_risk_inputs (or component metadata)
- client_name, assessment_date

Required Inputs Template:

Input Name	Description
client_name	Client name for the assessment
assessment_date	Date the assessment is performed
analyst_name	Name of the ITRM analyst
assessment_scope	Scope of the IT assessment (e.g., Full IT, DR only)
baseline_revenue	Annual business revenue baseline
it_expense	Total IT spend (all-in or summary level)
architecture_components	List of major IT components used (e.g., AWS EC2, NetApp)

Optional Inputs Template:

Input Name	Description
hardware_expense	Spend on physical infrastructure (servers, storage)
software_expense	Spend on licenses, SaaS subscriptions
cybersecurity_expense	Cybersecurity-related investments
maintenance_expense	Cost of maintaining hardware/software
telecom_expense	Networking and telecom services
personnel_expense	Salaries and staffing costs
bcdr_expense	Business continuity and disaster recovery costs
component_maturity_scores	Scores from 1–5 indicating maturity per component
component_risk_flags	Boolean or risk flag per component (e.g., at risk = True)
criticality_score	Business criticality rating per system (e.g., high/med/low)

📘 ITRM Application Instruction Manual (Module Guide)

◆ 1. Component Mapping (Main Module)

Purpose: Define the current IT environment and align it with business objectives.

How to Use:

- Upload or enter your infrastructure components (e.g., AWS, VMware, NetApp).
- Populate component metadata (maturity, risk, criticality).
- Review AI-generated component insights.
- Use output tables: Spend by Category, Inventory, Revenue Impact %.

Output:

- Component Table
- AI Ops Dashboard
- Modernization Roadmap PDF

◆ 2. Executive Dashboard

Purpose: Provide an executive snapshot of IT financial performance and strategic alignment.

How to Use:

- Ensure financial inputs are provided (revenue, IT spend).
- Review charts: IT Spend vs Revenue, Revenue at Risk, AIOps Risk Score.

Output:

- Financial Summary
- Revenue at Risk Simulator
- Strategic KPIs for leadership view

◆ 3. Forecast & Sensitivity Simulator

Purpose: Forecast IT spend and evaluate budget sensitivity by category.

How to Use:

- Adjust growth % by spend category.
- Review 3-year forecast trends.
- Compare scenarios (baseline vs optimized).

Output:

- IT Spend Forecast Table & Chart
- IT to Revenue Ratio (ITRM)
- Sensitivity Tables per category

◆ 4. ITRM Financial Calculator

Purpose: Quantify IT efficiency and simulate financial impact.

How to Use:

- View ITRM year-over-year trends.
- Run optimization simulations.
- Review recommendations tied to savings and ROI.

Output:

- ITRM Efficiency Chart
- Financial Summary
- Optimization Recommendations

◆ 5. Architecture Optimization

Purpose: Visualize and optimize IT architecture.

How to Use:

- Upload a Visio or draw component map.
- Review AI-generated roadmap suggestions.
- Identify opportunities to consolidate, modernize, or reduce risk.

Output:

- AI-Powered Roadmap
- Remediation Timeline
- Heatmap of Opportunities

◆ 6. IT Assessment

Purpose: Measure IT operational maturity.

How to Use:

- Answer grouped Yes/No questions per domain.
- View maturity scores and recommendations.
- Track before/after improvements for roadmap alignment.

Output:

- Maturity Score per IT Category
- Actionable Recommendations
- IT Capability Baseline Report

◆ 7. Cybersecurity Assessment

Purpose: Evaluate cybersecurity posture across NIST/CIS domains.

How to Use:

- Answer Yes/No for Protect, Detect, Recover, etc.
- Calculate maturity level and gaps.
- Generate prioritized recommendations.

Output:

- Cyber Maturity Scorecard
- Risk Mitigation Recommendations
- Tangible improvement benchmarks

◆ 8. Strategic Roadmap Generator

Purpose: Align technology projects with business timelines.

How to Use:

- Use assessment results to drive roadmap content.
- Adjust timing per quarter.
- Add stakeholder milestones and progress indicators.

Output:

- Strategic Timeline by Quarter
- Checklist for Execution
- Roadmap PDF for stakeholders

◆ 9. Benchmarking

Purpose: Compare client stats to industry peers.

How to Use:

- Review benchmarking dashboards.
- Explore role-based personas.
- See "You vs Industry" views on spend, maturity, and risk.

Output:

- Company Stat Comparison
- Role-Defined Personas
- Peer Benchmark Visuals

◆ 10. AI Recommendations

Purpose: Provide dynamic, unbiased advisory insights.

How to Use:

- Ask questions about current IT strategy.
- Use AI for product-fit suggestions.
- Export findings as part of client-facing output.

Output:

- Conversational AI Insights
- AI-Powered Strategy Suggestions
- Embedded Assistant Support