



Eval *for* **Earth**

Evaluation for Food Security, Environment,
Agriculture and Rural Development

Empowering Nepal's Growth: Merging Evaluation History with AI Innovation

***Aligning National Policy Frameworks for Agriculture, Food Security, Environment,
and Rural Development***

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Thursday, 4 June 2026 | Kathmandu

Evolution of Development Evaluation in Nepal

- 1950s–1980s (Donor-Led): Introduction of basic monitoring tied to external foreign aid and early periodic plans.
- 1990s–2010s (Institutional Shifts): Establishing the National Planning Commission (NPC) evaluation guidelines and introducing Results-Based Management (RBM).
- 2015–Present (SDG Realignment): Shift toward tracking Sustainable Development Goals (SDGs), localized federal monitoring, and evidence-based policymaking.



Constitutional and Legal Provisions for Evaluation

- **Constitutional Mandate:** Article 54 of the Constitution of Nepal creates parliamentary committees to monitor and evaluate state directive principles.
- **Article 293:** Empowers House of Representatives committees to assess and audit government and constitutional bodies.
- **Institutional Drivers:** National Evaluation Guidelines issued by the NPC to standardize project auditing, value for money, and socio-economic impact metrics.



The Landmark M&E Act, 2024

- **First Dedicated Legal Enactment:** Certified on **March 29, 2024**, marking a transition from operational guidelines to mandatory legislative law.
- **Mandatory Institutional Integration:** Integrates M&E as a compulsory function within every ministry, department, division, and public project across the three tiers of governance.
- **Consequences and Penalties:** Legally ties evaluation outcomes to project managers' performance reviews and enforces strict penalties for negligence or false reporting.
- **Technology & Inclusion Driven:** Mandates the use of digital data collection systems and establishes inclusive, participatory evaluation mechanisms involving broad public stakeholders.



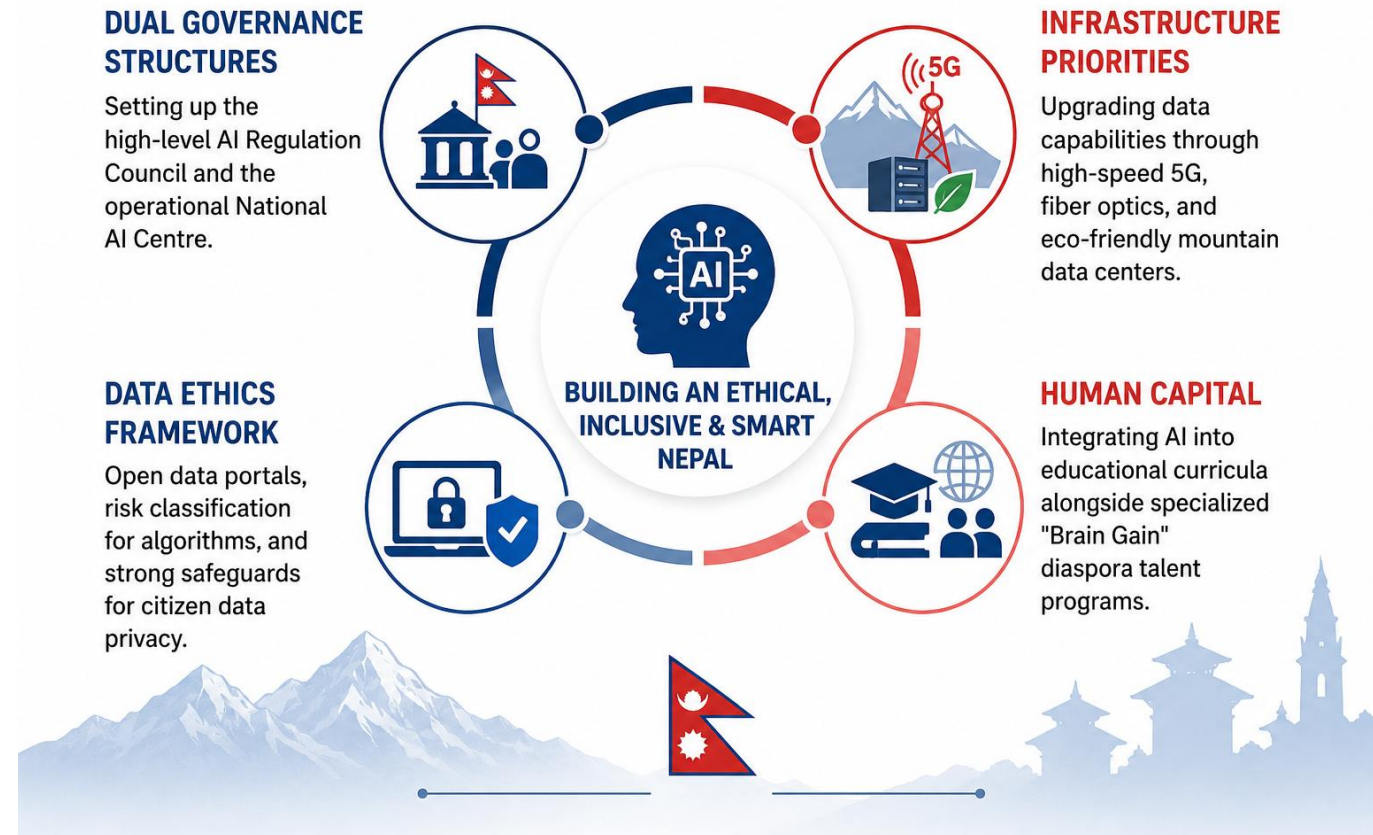
Introduction to the National AI Policy of Nepal

- **Milestone Launch:** Officially approved by the Cabinet in August 2025 (2082 B.S.) to drive socio-economic equity.
- **Strategic Intent:** Positioning Nepal as an ethical, secure, and inclusive AI hub tailored to a knowledge-based economy.
- **Foundational Tech Lineage:** Builds upon the *Digital Nepal Framework (2019)* and the *National Cyber Security Policy (2023)*.



Main Features & Pillars of the AI Policy

- **Dual Governance Structures:** Setting up the high-level AI Regulation Council and the operational National AI Centre.
- **Infrastructure Priorities:** Upgrading data capabilities through high-speed 5G, fiber optics, and eco-friendly mountain data centers.
- **Data Ethics Framework:** Open data portals, risk classification for algorithms, and strong safeguards for citizen data privacy.
- **Human Capital:** Integrating AI into educational curricula alongside specialized "Brain Gain" diaspora talent programs.



Where Are We Now?

NEPAL'S GLOBAL DEVELOPMENT STANDARDS

KEY BENCHMARKS & PERFORMANCE



1. FOOD SECURITY PROGRESS & CHALLENGES

- GLOBAL HUNGER INDEX (GHI): MODERATE (Rank 72/123, 2023)
- Key Focus: Reducing stunting & wasting, expanding irrigation, promoting agricultural resilience.



2. CLIMATE CHANGE ADAPTATION

- HIGHLY VULNERABLE (Rank 69th, Climate Risk Index)
- Key Focus: Early warning systems, dynamic disaster management, developing green infrastructure.



3. ENVIRONMENTAL PERFORMANCE

- ENVIRONMENTAL PERFORMANCE INDEX (EPI): 165/180 (Air Quality Concerns)
- Key Focus: Combating air pollution, sustainable waste management, conserving biodiversity.



4. RURAL DEVELOPMENT & INFRASTRUCTURE

- MEDIUM DEVELOPMENT (Rank 145/193, HDI)
- Key Focus: Upgrading rural roads, increasing access to energy & digital tools, enhancing health & education services.

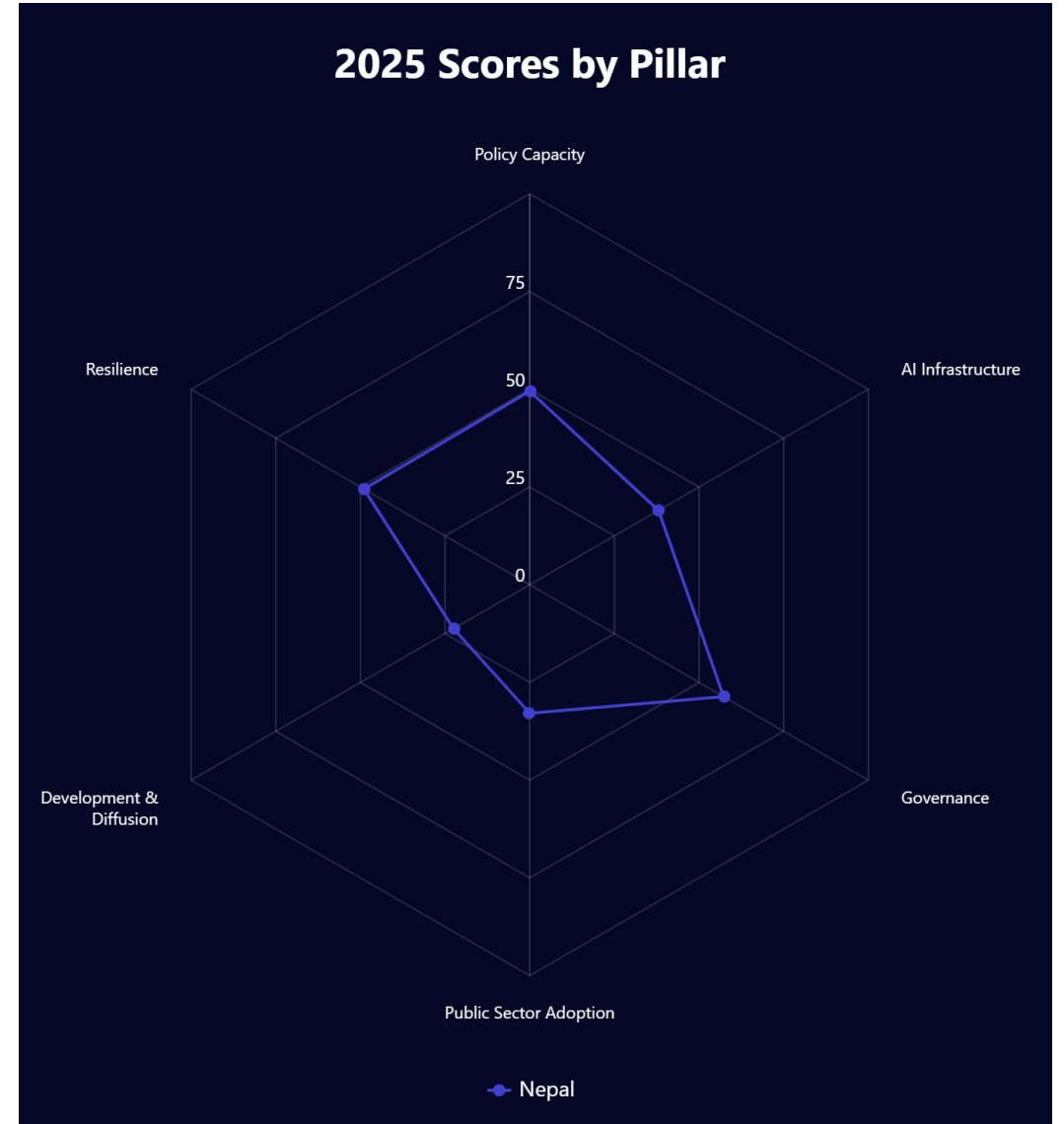
ONGOING JOURNEY | STRENGTHS | OPPORTUNITIES | LOCAL ADAPTATION

NAVIGATING GLOBAL STANDARDS THROUGH LOCAL SOLUTIONS & SUSTAINABLE GROWTH



OxfordInsights: 2025 AI Readiness Index Rankings of Nepal

Indicator	Score
Policy Vision	30.00
Policy Commitment	62.50
Compute Capacity	6.90
Enabling Technical Infrastructure	52.24
Data Quality	54.99
Governance Principles	60.75
Regulatory Compliance	53.72
Government Digital Policy	4.56
E-Government Delivery	61.20
Human Capital	38.55
AI Sector Maturity	0.68
AI Technology Diffusion	35.55
Societal Transition	31.21
Safety and Security	66.67
Total Score	38.50
Global Rank	106



Opportunities

OPPORTUNITIES: INTEGRATING AI POLICY INTO NEPAL'S DEVELOPMENT EVALUATION POLICY

KEY THEMES FOR UPLIFTING NEPAL

FOOD SECURITY

- AI FOR CROP MONITORING AND PEST PREDICTION.
- ENHANCED AGRICULTURAL PLANNING.
- PRECISION FARMING INSIGHTS.
- REAL-TIME DATA TO COMBAT SCARCITY.

ENVIRONMENT

- AI-DRIVEN DEFORESTATION MONITORING.
- WILDLIFE POPULATION TRACKING.
- SATELLITE IMAGE ANALYSIS.
- BIODIVERSITY CONSERVATION PLANNING.

CLIMATE CHANGE

- PREDICTIVE WEATHER MODELING.
- DISASTER RISK MANAGEMENT.
- EARLY WARNING SYSTEMS.
- ACCURATE CLIMATE IMPACT ASSESSMENTS.

RURAL DEVELOPMENT

- TARGETED INFRASTRUCTURE PLANNING.
- OPTIMIZED RESOURCE ALLOCATION.
- SOCIO-ECONOMIC DATA ANALYSIS.
- IMPROVED SERVICE DELIVERY TO REMOTE COMMUNITIES.

INTEGRATED POLICY FRAMEWORK DRIVES DATA-BASED
DECISION MAKING, SUSTAINABILITY, AND EQUITABLE PROGRESS.

Namaste!

