GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
STARRED QUESTION NO. *158
TO BE ANSWERED ON: 30.07.2025

STRATEGY FOR ARTIFICIAL INTELLIGENCE

***158. DR. D RAVI KUMAR:**

Will the Minister of ELECTRONICS AND INFORMATION TECHNOLOGY be pleased to state:

(a) the details of steps taken by the Government to formulate a clear national strategy for Artificial Intelligence (AI) development that ensures accountability, safety and fairness while prioritising human rights and privacy;
(b) the manner in which the Government is planning to ensure that the proposed AI Safety Institute adopts a human rights-based approach with a focus on openness, innovation and inclusivity while safeguarding people's data and privacy;
(c) the details of measures being considered by the Government to strengthen data protection and cybersecurity regulations to prevent misuse including providing citizens with the right to opt out of their data being used for training AI models given the reliance of AI on personal data; and
(d) the manner in which the Government is likely to address concerns about the use of AI in automated decision-making, especially in sensitive areas like policing, access to essential services and elections while ensuring that AI regulations do not suppress free speech or innovation?

ANSWER

MINISTER FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI ASHWINI VAISHNAW)

(a) to (d): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN THE REPLY TO LOK SABHA STARRED QUESTION NO. *158 FOR 30.07.2025 REGARDING "STRATEGY FOR ARTIFICIAL INTELLIGENCE"

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In line with Prime Minister Shri Narendra Modi's vision, the Government is making technology accessible to all. The focus is on democratizing the development and use of Artificial Intelligence (AI) for real-world problems, ultimately improving lives across various sectors.

IndiaAI mission includes targeted interventions that, inter alia, ensure accountability, safety, fairness, and the protection of human rights and privacy.

Development of India's Foundational Models

- Developing indigenous Large Language Models/Small language Models on Indian data sets
- Models so trained will ensure a better understanding of local contexts, dialects, and cultural nuances
- Target areas: Healthcare, education, agriculture, climate, and governance
- Four (4) startups - Sarvam AI, Soket AI, Gnani AI, and Gan AI—have been selected (so far) to build India's foundation models (Details in Annexure -1)

The models developed under IndiaAI mission will be made open source to help other startups build applications, especially India specific ones, on top of it.

IndiaAI Compute Capacity: Establishing high-end AI infrastructure access of GPUs to support safe and scalable AI research and innovation

Aspect	Details
Total GPUs Provisioned	34,381 GPUs through the IndiaAI Compute Portal
Beneficiaries	Academia, MSMEs, startups, research community, government bodies, etc
Pricing Support	GPUs provided at discounted rates with 40% cost supported by the Government
Average Price on Portal	Around ₹67 per GPU-hour (less than 1 USD), which is one-third of the global average
Types of GPUs Available	Nvidia H100, H200, B200; Intel Gaudi 2 & 3; AMD MI300X, etc

IndiaAI Datasets Platform (AIKosh)

Ensuring inclusive AI development by offering curated datasets across sectors such as health, agriculture, and education, with safeguards for data privacy

- India-specific 1000+ datasets and 208 AI models are available on the platform

- Examples of datasets - Farmer query data from Kisan Call Centres, geological data from states, clinical, imaging, & pathology data to support AI-based diagnosis of brain lesions
- Small AI models are also available on platform; For eg. Text-to-Speech (TTS) models in Indian languages like Bengali, Gujarati, Kannada, Malayalam

Development of AI based applications

- Supporting AI startups solving public interest problems in governance, health, climate, etc., while following ethical design frameworks.
- Currently 30 applications currently being funded under the Mission (details in Annexure-2)

Support to AI-based startups in India

IndiaAI Startups Global program is launched with Station F & HEC Paris, to help 10 Indian AI startups expand into Europe; Currently they are undergoing training at Station F.
These include startups working in areas like responsible AI, and AI in cybersecurity, among others (Details in Annexure -3)

Among these are startups like **PrivaSapien Technologies,** working on privacy-enhancing AI, and **Secure Blink** focused on AI-driven cybersecurity.

Safe and trusted AI

- IndiaAI Safety Institute for AI safety, security, and developing trust with diverse stakeholders
- Diverse stakeholders including academia, startups, industry & government bodies engage through a hub-and-spoke model
- Tools and frameworks are being built around Responsible AI, with a focus on 10 themes
- 8 Responsible AI Projects underway covering Machine Unlearning, AI Bias Mitigation, Privacy-Enhancing Tools, AI Governance Testing, etc.
- More projects on key themes like watermarking, ethical AI, risk assessment, stress testing, and deepfake detection tools are also being evaluated

India is also hosting the Al Impact Summit in February 2026, building on its role as co-chair of the Al Action Summit and continuing its leadership in shaping global AI discussions**.**

Legal Framework for Mitigating AI-Related Risks

Government is cognizant of the risks posed by the usage of AI in automated decision-making, such as Hallucination, bias, misinformation, and deepfakes. The legal framework to ensure safety in this regard is as follows:

Information Technology Act, 2000:

- Sections 66C (Punishment for identity theft) deals with misinformation, deepfakes, cheating by personation or identity theft.

- Section 66D of the IT Act criminalizes the use of computer resources for cheating by personation.
- Section 66E prescribes the punishment for capturing and publishing or transmitting the image of a private area of any person without his or her consent.
- Section 67A and 67B make publishing or transmitting obscene material for instance, which could be generated by using deepfake technology a punishable offence.

Legal provisions under Bharatiya Nyay Sanhita, 2023:

- Section 111 of the BNS punishes the commission of any continuing unlawful activity including economic offence, cyber-crimes, by any person or a group of persons, either as a member of an organised crime syndicate or on behalf of such syndicate.
- Several other sections under the BNS also deal with cyber-crimes like cheating or cheating by personation such as sections 318 (Cheating), 319 (cheating by personation), 353 (public mischief), 356 (defamation).

Digital Personal Data Protection Act, 2023

- It casts obligations on Data Fiduciaries to safeguard digital personal data, holding them accountable, while also ensuring the rights and duties of Data Principals.
- It empowers citizens with control over their data, ensuring consent-based usage and accountability of data fiduciaries.

Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021 ("IT Rules, 2021")

- The IT Rules cast specific legal obligations on intermediaries, including social media intermediaries and platforms, to ensure their accountability towards safe and trusted internet.
- This includes expeditious action needed towards the removal of the prohibited misinformation, patently false information and deepfakes.
- In case of failure of the intermediaries to observe the legal obligations, they are liable for consequential action or prosecution as provided under the extant laws.
- Under the IT Rules 2021, there is a provisions grievance redressal mechanism by the intermediaries which inter alia provides 24 hours timelines for any grievances relating to morphed or artificially generated images affecting the victim.
- If not satisfied with the grievance redressal, aggrieved persons can approach the Grievance Appellate Committee.
- The Ministry of Home Affairs has launched a dedicated portal to report cybercrimes [cybercrime.gov.in] and has also started a toll-free number 1930.

Techno-legal approach to regulate AI

A key pillar of India's AI strategy is its balanced and pragmatic techno-legal approach to regulation:

- India is combining legal safeguards with technological solutions.

- The Government is funding R&D projects at premier institutions like IITs to build AI tools for deepfake detection, privacy enhancement, and cybersecurity.
- This reflects India's belief that effective AI governance must go beyond just legislation and be backed by innovative technical interventions.
- This distinctive model ensures that innovation is not hampered

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Annexure 1

Details of projects approved for development of India's Foundation Models:

a. **Sarvam AI** has been selected to build India's Sovereign LLM Ecosystem, developing an open source 120 billion parameter AI model to enhance governance and public service access through use cases like "2047: Citizen Connect" and "AI4Pragati".
b. **Soket AI** is working to develop India's first open-source 120 billion parameter foundation model optimized for the country's linguistic diversity, targeting sectors such as defense, healthcare, and education.
c. **Gnani AI** is working to build a 14 billion parameter Voice AI foundation model delivering multilingual, real-time speech processing with advanced reasoning capabilities.
d. **Gan AI** is working to create a 70 billion parameter multilingual foundation model targeting "Superhuman TTS (text-to-speech)" capabilities to surpass current global leaders.

Annexure 2

Details of theme wise projects selected under IndiaAI Application Development Initiative:

- **Climate Change** and **disaster management:** 4 applications have moved to the next stage under this theme with 1 idea and 3 prototypes.

Indicative problem statement	**Title of the Project and Description**	**Team Name**	**Solution stage**
Early Warning Systems for Adverse and Sudden Climate Change	Heatwave Resilience: Integrating AI-based Advanced Forecasting for Extreme Heat Events: *Integrate AI-based climate forecasting with health data to develop a targeted risk classification system for heat-health impacts*	ARTPARK	Idea
Multi-Hazard Susceptibility Mapping	Multi-Hazard Susceptibility Mapping: *hazard management system that integrates four modules: Hazard Prone Area Database, Susceptibility Mapping, Threat Assessment & Mitigation Planning, and Monitoring & Assessment.*	Jarbits Pvt Ltd	Prototype
Solutions that correspond to both indicative problem statements	DeepFlood: Rapid flood inundation mapping using Vision Transformers and Satellite Data: *advanced flood inundation mapping tool using SAR data and deep learning models for real-time, automated flood detection*	Indian Institute of Technology Delhi	Prototype
Others: Climate and Outbreak of Diseases	Moskeet : Climate impact on mosquito-borne diseases: *AI-powered platform integrates real-time climate data with mosquito tracking to predict and prevent disease outbreaks.*	Moskeet	Prototype

- **Healthcare:** 8 applications have moved to the next stage under this theme with 4 prototype and 4 existing solutions.

Indicative problem statement	**Title of the Project and Description**	**Team Name**	**Solution Stage**
Early disease detection using	*End to End AI Cloud Platform for Radiology Diagnosis:* AI cloud platform for radiology diagnosis, integrating innovative technologies	Endimension Technology	Existing Solution

Indicative problem statement	**Title of the Project and Description**	**Team Name**	**Solution Stage**
AI-enhanced X-rays	such as CV, GenAI, NLP, Dicom, mobile, and cloud computing	Private Limited	
	NIDAAN (iNtegrated lung health screening & tuberculosIs Detection through Ai At National scale): *qXR, an advanced AI tool for interpreting chest X-rays (CXR), detects & localizes 30+ findings.*	Qure.ai Technologies Private Limited	Existing Solution
	AI/ML enabled MafPro device platform for cancer staging, localization, and margins. *MafPro handheld detector provides a radiation-free, non-invasive, safe and cost-effective solution that can reliably detect and adequately evaluate metastases in lymph nodes using AI/ML based algorithms*	SIAMAF Healthcare	Prototype
Strengthening ophthalmology outcomes using AI for detection and management of conditions	Impactful AI solution, preventing preventable blindness, for socio-economic transformation: *DRISTi AI is a CE-marked, device-agnostic retinal screening solution detecting 16 DR-related abnormalities and 20 vision-threatening conditions.*	Artelus	Existing Solution
	VoxelBox: *SaaS platform that integrates advanced computational neuroscience, AI, and 3D visualization to provide clinicians with deeper insights into brain structure and function.*	BrainSightAI	Prototype
	Development of Ocellux: An AI-Based Solution for Enhanced Early Diabetic Eye Screening in INDIA: *smartphone-based retinal imaging device designed for capturing high-resolution images of the retina and anterior segment*	Anself Dynamics Pvt. Ltd.	Prototype
Others: Patients Monitoring	AI Powered Wearable Technology for Detection & Diagnosis of Musculoskeletal Joint Health Pain:	Team Pheezee	Existing Solution

Indicative problem statement	Title of the Project and Description	Team Name	Solution Stage
	non-invasive device that enables physiotherapists to assess joint health with precision.		
Others: Enabling Access to Healthcare	Revolutionizing healthcare using doctor-led AI: *AI-powered personal doctor available 24x7 and free of cost, designed to assist people when they are sick, monitor their health through wearables, and act as a health coach to prevent diseases.*	Jivi Health Private Limited	Prototype

- **Agriculture:** 8 applications have moved to the next stage under this theme with 1 prototype and 7 existing solutions.

Indicative problem statement	Title of the Project and Description	Team Name	Solution stage
Soil Testing and Advisory	Krishi Sah'AI'yak - Farming Co-pilot: *AI-powered conversational assistant providing personalized agricultural advisory in multiple Indic languages.*	Samagra Development Associates Pvt. Ltd	Existing Solution
	KissanCopilot Multilingual Multimodal personalized AI Assistant for small holder farmers: *Powered by Dhenu's vertical LLM for agriculture, provides personalized agricultural advisory services to smallholder farmers.*	Titodi Infotech Pvt Ltd	Existing Solution
	Rapid, chemical-free soil testing solution using NIR Spectroscopy & AI/ML models: *End-to-end soil testing approach leverages an offline app, AI-powered spectral device, and ML models to deliver timely, chemical-free soil analysis.*	Neoperk Technologies Pvt. Ltd.	Existing Solution
Others: Carbon Credits for Soil Health	MRV: *in-house developed MRV (Measurement, Reporting, and Verification) technology designed to ensure the integrity and quality of generated carbon credits.*	Varaha Climate AG Private Limited	Existing Solution

Indicative problem statement	Title of the Project and Description	Team Name	Solution stage
Water and Fish Monitoring	Kadalcompass - We Amplify the voice of water using Hydro-AI,Underwater com,IoUT with Sensor Network: *5G-enabled device that transforms fishing practices using AI, IoUT, and advanced communication technologies*	Innogle Technologies Pvt LTD	Existing Solution
	AI-Driven Live Fish Logistics and Mortality Reduction in Aquaculture: *AI-driven solution optimizes aquaculture operations by monitoring water quality, predicting potential issues, and providing prescriptive recommendations to ensure fish health and reduce mortality.*	SNRAS PVT LTD	Existing Solution
Quality of produce	AI-Deep tech driven quality assessment of maize: *Traceability of the maize quality from farm to processing units provides unique and important value for the entire product chain in the market*	RootsGoods (OPC) Pvt. Ltd.	Existing Solution
	Q-scan: *AI-powered IoT solution that captures critical data throughout the fresh produce lifecycle, providing real-time analysis of food quality and actionable insights to sellers.*	Qzense Labs Pvt Ltd	Prototype

- **Governance:** 4 applications have moved to the next stage under this theme with 1 prototype and 3 mature solutions.

Indicative problem statement	Title of the Project and Description	Team Name	Solution Stage
Public service access	ConvoZen.AI: *AI-powered conversational platform that automates customer engagement across channels like chat, voice, email, and social media, offering fast, personalized, and multilingual support.*	Nobroker Technologies Solutions Pvt. Ltd	Existing Solution

Indicative problem statement	Title of the Project and Description	Team Name	Solution Stage
	AI contact center: *AI-powered technologies like machine translation, NLP, ASR and TTS, and multilingual voice recognition to enhance governance by improving communication and accessibility across India's linguistic diversity.*	Devnagri AI Pvt. Ltd	Existing Solution
Grievance Redressal and Legal Support	Adalat AI: AI solutions for Courts: *legal tech solution leverages AI-driven transcription to automate court processes, reducing India's overwhelming judicial delays.*	Legsys.AI Technology Foundation	Prototype
Others: Improving Internal Administration	Gov.Civis.Vote: *Leverages Civis' proven public consultation framework and integrates advanced technologies to create a unified platform for governments.*	Civic Innovation Foundation	Existing Solution

- **Assistive technologies for learning disabilities:** 6 applications have moved to the next stage under this theme with 2 ideas, 2 prototype and 2 mature solutions.

Indicative problem statement	Title of the Project and Description	Team Name	Solution Stage
Early Identification for SLDs	Jiveesha: *AI-powered platform for diagnosing Specific Learning Disabilities using advanced software and a plug-and-play device.*	Daira Edtech Private Limited	Idea
	ScreenPlay - a digital game-based screening tool or autism and related disorders: *AI-driven, game-based platform designed for early identification and intervention of Autism Spectrum Disorder in children aged 3-6.*	Kidaura Innovations Pvt Ltd	Existing Solution
Enhanced Multimedia Accessibility tools	Readabled (Online Dyslexia Training): *web-based application designed to help children with dyslexia improve phonetic awareness through interactive exercises.*	Hermit Labs Pvt. Ltd.	Existing Solution
	Voice fusion AI: *adaptive voice cloning platform designed to empower speech-impaired individuals*	PerpetualBlock Technologies	Prototype

Indicative problem statement	Title of the Project and Description	Team Name	Solution Stage
	to express themselves through emotionally connected, lifelike voice outputs,	Private Limited	
Solutions that address both indicative problem statements	Adaptive Learning and Detection for SLDs*: advanced AI techniques to detect Specific Learning Disabilities (SLDs) such as dyslexia, dysgraphia, and dyscalculia.*	IITK-MadhavLab	Prototype
	Special Educator AI: *AI-driven system designed to address India's shortage of special educators and support children with Specific Learning Disorders.*	Viranc Infotech	Idea

Annexure 3

Startups supported under IndiaAI Startups Global program launched with Station F & HEC Paris:

Sr. No.	Startup Name	Area of Work
1	PrivaSapien Technologies	Responsible AI with privacy engineering and privacy-enhancing technologies
2	CoRover.ai	Conversational Gen AI platform for contextual, domain-specific human-like responses
3	Staqu Technologies (Jarvis)	AI-powered audio-video analytics for surveillance, security, and governance
4	SatSure Analytics	Earth Observation using satellite imagery and AI for decision intelligence
5	Storyvord	AI-based video content generation from product URLs and brand context
6	VolarAlta	Drone-based AI solutions for industrial inspections
7	Smartail	AI-powered edtech platform for immersive learning and real-time assessment

8	Secure Blink	AI-driven cybersecurity with proactive DevSecOps posture management
9	NeuroPixel.AI	AI-enabled ultra-fast image editing for fashion and e-commerce
10	Voicing AI	Agentic AI platform for enterprise-grade intelligent voice agents

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