GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1511
TO BE ANSWERED ON: 12.12.2025

SUPPORT TO INDIGENOUS AI INITIATIVES

1511. SHRI ASHOK SINGH:

Will the Minister of Electronics and Information Technology be pleased to state:

(a) the details of the indigenous AI models being supported by the Ministry through India AI Mission;
(b) whether the Ministry is taking any initiatives towards enhancing the AI research ecosystem in the country, if so, details thereof; and
(c) whether the Ministry has come up with any policies for implementation of AI technologies at a population scale?

ANSWER

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY
(SHRI JITIN PRASADA)

(a) to (c): India's AI strategy is based on the Hon'ble Prime Minister's vision of democratizing technology. It aims to address India centric challenges and create opportunities.

IndiaAI Mission:
It is a strategic initiative to establish a robust and inclusive Al ecosystem aligned with India's development goals through the seven pillars. These include IndiaAI Compute, AIKosh, IndiaAI Foundation Models, IndiaAI FutureSkiIIs, Startup Financing, Application Development and Safe & Trusted Al.

Development of Indigenous Foundational Model
The IndiaAI Foundation Models pillar aims to develop India's own large multimodal models trained on Indian datasets and languages. This will ensure sovereign capability and global competitiveness of India in generative AI.

- Twelve organisations and consortia, including startups, industry players and academic institutions, have been selected for developing Large and Small Language Models (list attached as Annexure -I)
- The models are developed based on Indian datasets spanning all 22 scheduled Indian languages.
- The selected projects cover multilingual foundational models, speech and voice models, multimodal AI, scientific models, healthcare reasoning systems, and agentic AI platforms.

The resulting AI models are expected to contribute to the open-source ecosystem by making them available through AIKosh platform for other startups and researchers. This will fuel innovation across India's startup and research community.

Development of AI-based applications in India
IndiaAI Application Development Pillar aims to develop AI applications for India specific challenges in sectors such as climate change and disaster management, healthcare, agriculture, governance, and assistive technologies for learning disabilities. As on date, 30 (thirty) applications have been approved.

Details are placed at Annexure-II.

In addition, sector-specific hackathons have been organized in partnership with other ministries and government institutions.

IndiaAI launched the CyberGuard AI Hackathon in collaboration with the Indian Cybercrime Coordination Centre (I4C) under the Ministry of Home Affairs to develop AI-driven solutions for cybersecurity.

IndiaAI has launched the Mineral Targeting Hackathon 2025 with the Geological Survey of India (GSI). Its objective is identify through AI new areas where important minerals like rare earth elements, nickel, copper and other critical minerals may be found.

The initiative also targets commodities like diamond, iron, manganese, and gold within a defined 39,000 sq. km area across Karnataka and Andhra Pradesh.

IndiaAI has launched the Cancer AI & Technology Challenge (CATCH) in partnership with the National Cancer Grid (NCG). AI tools/applications so developed will help in early cancer detection, improve diagnosis, support doctors in treatment decisions, and make hospital services more efficient for patients in public healthcare.

Safe & Trusted AI pillar

Projects on the theme of Responsible AI have been taken up, including the development of indigenous tools and frameworks, self-assessment checklists for innovators, and other governance guidelines.

Thirteen projects covering diverse aspects of Responsible AI are currently under development. These include Indian tools to detect fake or AI-generated content (such as deepfakes), reduce bias or unfair outcomes in AI systems, protect user privacy, and ensure safe use of AI technologies.

The objective is to establish strong guardrails that safeguard the safety, security and trust of citizens. Details are placed at Annexure-III.

Strengthening AI research ecosystem in India

Under the IndiaAI FutureSkills pillar, the Government is developing an extensive AI talent and research pipeline by supporting 500 PhD fellows, 5,000 postgraduates and 8,000 undergraduates. 27 IndiaAI Data and AI Labs have been established in Tier-2 and Tier-3 cities through NIELIT to conduct coursework in AI, data curation, annotation, cleaning and applied data science.

174 ITIs and Polytechnics across 27 States/UTs have been approved to set up additional IndiaAI Data and AI Labs.

More than 228 fellowships have already been awarded under the programme to promote high-quality research in Artificial Intelligence.

The India AI Governance Guidelines, released on 5 November 2025, provide a comprehensive national framework to ensure the safe, responsible, and inclusive development and deployment of Artificial Intelligence in the country.

It outlines principles and best practices for transparency, accountability, fairness, safety, and security in AI systems.

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Annexure-I

List of 12 organisations and consortia, selected for development and deployment of indigenous Large Multimodal Models (LMMs) and domain-specific foundational models

1. Sarvam AI
2. Soket AI
3. Gnani AI
4. Gan AI
5. Avatar AI
6. IIT Bombay Consortium (BharatGen)
7. GenLoop
8. Zentieq
9. Intellihealth
10. Shodh AI
11. Fractal Analytics Ltd.
12. Tech Mahindra Maker's Lab

Annexure-II

Details of IndiaAI Innovation Challenge: Shortlisted Solutions

Sl.No.	Name of the Solution	Solution Description	Theme
1	Promoting regenerative agriculture practices for a sustainable future using AI	Measurement, Reporting, and Verification technology designed to ensure the integrity and quality of generated carbon credits.	Agriculture
2	Krishi Sah'AI'yak - Farming Co-pilot	AI-powered conversational co-pilot to provide personalized advisory to farmers in Indic languages.	Agriculture
3	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.	Agriculture
4	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.	Agriculture
5	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.	Agriculture
6	AI deep-tech driven quality assessment of Maize	SAAS platform to provide objective quality assessment of maize including price estimation & sales pipelining.	Agriculture
7	AI-Driven Live Fish Logistics and Mortality Reduction in Aquaculture	AI-driven solution that optimizes aquaculture operations.	Agriculture

8	QScan	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.	Agriculture
9	Heatwave Resilience: Integrating AI-based Advanced Forecasting for Extreme Heat Events	Integrates AI-based climate forecasting with health data to develop a targeted risk classification system for heat-health impacts.	Climate
10	Multi-Hazard Susceptibility Mapping	Hazard management system to predict Landslides, Debris Flows and Flash Floods.	Climate
11	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.	Climate
12	Moskeet: Climate impact on mosquito-borne diseases	AI-powered platform integrates real-time climate data with mosquito tracking to predict and prevent disease outbreaks.	Climate
13	End to End AI Cloud Platform for Radiology Diagnosis	AI cloud platform for radiology diagnosis, integrating innovative technologies such as CV, GenAI, NLP, Dicom, mobile, and cloud computing.	Healthcare
14	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.	Healthcare
15	Impactful AI solution, preventing preventable blindness, for socio-economic transformation.	Early detection of vision threatening retinal abnormalities.	Healthcare
16	AI Powered Wearable Technology for Detection & Diagnosis of Musculoskeletal Joint Health Pain.	AI Enabled Hardware Platform for Joint Pain Diagnostics and Rehabilitation Segments of Healthcare.	Healthcare
17	VoxelBox	Neuro-informatics platform that allows to map the functional maps / connectomics of the human brain.	Healthcare
18	Development of Ocellux: An AI-Based Solution for Enhanced Early Diabetic Eye Screening in INDIA.	Portable, affordable and highly accessible retina imaging device powered by AI for early detection of eye diseases like Diabetic Retinopathy, AMD & Glaucoma.	Healthcare

19	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.	Healthcare
20	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.	Healthcare
21	Readabled (Online Dyslexia Training)	Web-based application designed to help children with dyslexia improve phonetic awareness through interactive exercises.	Learning disabilities
22	Voice fusion AI	AI application to provide assistive support to individuals with SLDs in multiple Indian languages.	Learning disabilities
23	ScreenPlay - a digital game based screening tool for autism and related disorders.	Digital, game-based screening tool designed to identify children aged 3 to 6 who may be at risk for autism or related developmental conditions.	Learning disabilities
24	Jiveesha	AI-powered diagnostic platform for early detection of SLDs.	Learning disabilities
25	Adaptive Learning and Detection for SLDs	Advanced AI techniques to detect SLDs such as dyslexia, dysgraphia, and dyscalculia.	Learning disabilities
26	Special Educator AI	AI-driven system designed to address India’s shortage of special educators and support children with SLDs.	Learning disabilities
27	ConvoZen.AI by NoBroker Technologies	AI-powered conversational platform that automates customer engagement across channels like chat, voice, email, and social media, offering fast, personalized, and multilingual support.	Governance
28	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.	Governance
29	Adalat AI: AI solutions for Courts	AI-powered platform provides real-time multilingual transcription, translation, live case flow management, and WhatsApp chatbots to streamline courtroom operations.	Governance

30	Gov.Civis.Vote	AI-powered Digital Public Infrastructure designed to transform public consultations in India by making citizen engagement more inclusive, scalable, and comprehensive.	Governance

Annexure-III

Details of projects selected under the Safe and Trusted Pillar are as follows:

NAME OF THE THEME	SELECTED APPLICANT	TITLE OF THE PROJECT
Machine Unlearning	IIT Jodhpur	Machine Unlearning in Generative Foundation Models
Synthetic Data Generation	IIT Roorkee	Design and Development of Method for Generating Synthetic Data for Mitigating Bias in Datasets; and Framework for Mitigating Bias in Machine Learning Pipeline for Responsible AI
AI Bias Mitigation Strategy	National Institute of Technology Raipur	Development of Responsible Artificial Intelligence for Bias Mitigation in Health Care Systems
Explainable AI Framework	DIAT Pune and Mindgraph Technology Pvt. Ltd.	Enabling Explainable and Privacy Preserving AI for Security
Privacy Enhancing Strategy	IIT Delhi, IIIT Delhi, IIT Dharwad and Telecommunication Engineering Center (TEC)	Robust Privacy-Preserving Machine Learning Models
AI Ethical Certification Framework	IIIT Delhi and Telecommunication Engineering Center (TEC)	Tools for assessing fairness of AI model
AI Algorithm Auditing Tool	Civic Data Labs	ParakhAI: An open-source framework and toolkit for Participatory Algorithmic Auditing
AI Governance Testing Framework	Amrita Vishwa Vidyapeetham and Telecommunication Engineering Center (TEC)	Track-LLM, Transparency, Risk Assessment, Context & Knowledge for Large Language Models
Deepfake Detection Tool	IIT Jodhpur (CI) & IIT Madras	Saakshya: Multi-Agent, RAG-Enhanced Framework for Deepfake Detection and Governance
	IIT Mandi & Directorate of Forensic Services, Himachal Pradesh	AI Vishleshak: Improving Audio-Visual Deepfake Detection and Handwritten Signature Forgery Detection with Adversarial Robustness, Explainability & Domain Generalization
	IIT Kharagpur	Real-Time Voice Deepfake Detection System

Bias Mitigation	Digital Futures Lab & Karya	Evaluating Gender Bias in Agriculture LLMs- Creating Digital Public Goods (DPG) for Benchmarking and Fair Data Work
Penetration Testing & Evaluation	Globals ITES Pvt Ltd & IIIT Dharwad	Anvil: Penetration Testing & Evaluation Tool for LLM and Generative AI

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