GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3903
TO BE ANSWERED ON: 04.04.2025

IMPLEMENTATIONOFINDIAAIMISSION

3903. # SMT.SUNETRAAJIT PAWAR:
SHRILAHARSINGHSIROYA:
SMT.MAYANAROLIYA:
SHRIBABURAMNISHAD:

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

(a) themainobjectivesofIndiaAIMission;
(b) therulesandpoliciesbeingdevelopedtosupporttheobjectivesoftheMission;
(c) the manner in which this Mission would address social challenges such as healthcare, education and agriculture;
(d) thefundsallocatedandspent bytheMinistryfor IndiaAImissiontillFebruary 2025;
(e) the status of operation of National AI Portaltill February 2025; and
(f) therolebeingplayedbyNationalAssociationofSoftwareandServiceCompanies (NASSCOM) in the Mission?

ANSWER

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

(a) to (d):The Government of India emphasizes the concept of 'AI for All,' aligning with the Hon'ble Prime Minister's vision to democratize use of technology. This initiative aims to ensure that AI benefits all sectors of society, driving innovation and growth.

The most reliable ranking in AI is placing India among the top countries with AI Skills, AI capabilities, and policies to use AI.

Union Cabinet led by Hon'ble Prime Minister has approved the **IndiaAI Mission on 7th March 2024**, a strategic initiative to establish a robust and inclusive AI ecosystem that aligns with the country's development goals. The mission is driven by a vision to position India as a global leader in artificial intelligence by focusing on seven foundational pillars:

By democratizing access to computing resources, enhancing data quality, nurturing homegrown AI expertise, attracting top talent, fostering industry partnerships, supporting startup ventures, promoting socially impactful AI projects, and emphasizing ethical practices, the mission seeks to foster responsible and inclusive growth within India's AI landscape.

The implementation of 'IndiaAI Mission' with a **total outlay of Rs. 10,371.92 Cr** is for a period of 5 years.

The key initiatives undertaken under the various pillars of the IndiaAI Mission for which the funds would be utilized are as under:

i. **IndiaAI Compute Capacity**: The IndiaAI compute pillar envisions building a high-end scalable AI computing ecosystem comprising AI compute infrastructure of 10,000 or more Graphics Processing Units (GPUs).

   Towards this, IndiaAI Independent Business Division (IBD) published a Request for Empanelment (RFE) on August 16, 2024, to empanel AI services on cloud including GPUs. Against the target of 10,000 GPUs outlined in the IndiaAI compute pillar, empaneled bidders have offered **14,517 GPUs at L1 rates**. The average L1 rate discovered for the GPUs is **Rs. 115 per GPU hour**. Additionally, the Government would support eligible end users to the extent of **40% of the AI compute cost**. The IndiaAI Compute Portal has been developed for accessing and leveraging the empanelled AI services on the cloud.

   The **second round of request for continuous empanelment of AI cloud services** was published on 21st February 2025 with last date of bid as 30th April 2025, to further discover affordable rates and enhance the list of empanelled bidders offering AI services on cloud to the end users.

ii. **IndiaAI Innovation Centre (IAIC):** The AI Innovation Centre aims to develop and deploy indigenous Large Multimodal Models (LMMs) trained on India-specific data.

   A Call for Proposals has been launched under this pillar to support the development of foundational AI models, inviting startups, researchers, and entrepreneurs to collaborate **on creating state-of-the-art AI models using Indian datasets**. This initiative aims to establish indigenous AI models, which can be Large Multimodal Models, Large Language Models (LLM), or Small Language Models (SLM), to address India-specific challenges across various sectors.

   Till 15th March, IndiaAI Mission has received a total of **187 proposals** aimed at building India's foundation models, with contributions from both established startups and new teams of researchers & academia.

iii. **IndiaAI Datasets Platform**: The IndiaAI Datasets Platform (IDP) seeks to enhance access, quality, and utilization of public sector datasets to make them AI-ready.

   With this vision of developing a modern platform cantered around the requirements of the AI innovation ecosystem, the **IndiaAI Datasets Platform (named as AIKosh)** has been launched on 6th March 2025 under the IndiaAI Mission. AIKosh functions as a **unified data platform**, integrating datasets from all existing data platforms as well as onboarding non-government data contributors and providing new-age AI-centric features.

At present the platform offers a comprehensive collection of resources for AI development, featuring over **339 datasets** sourced from more than **10 entities** across **13 sectors**. It also includes more than **159 AI models** provided by **6 different entities**, alongside a library of over **8 use cases** that demonstrate potential applications using the available datasets and models. Additionally, the platform provides over **13 toolkits** comprising development utilities for project integration, as well as tutorials to help users understand and navigate its features.

iv. **IndiaAI Application Development Initiative**: The IndiaAI Application Development Initiative aims to develop, scale, and promote the adoption of impactful AI solutions to effectively tackle significant problem statements.

IndiaAI Innovation challenge was launched on 13th August 2024 for the themes of **healthcare, agriculture, improved governance, climate change & disaster management and assistive technologies for learning disabilities**. The Innovation Challenge was open to Indian innovators, startups, non-profits, students, academic/R&D organizations, and companies. A total of **900 applications** have been received across the five focus areas. Following a rigorous evaluation process, **30 AI solutions have been shortlisted** for the next stage across three stages of maturity: Idea, Prototype, and Existing Solutions. The AI solutions at idea stage have been supported by Rs. 5 Lakh and the solutions at prototype & solution stage have been supported by Rs. 25 Lakh. The details of shortlisted AI solutions are given at **Annexure I.**

v. **IndiaAI FutureSkills**: IndiaAI FutureSkills Pillar envisions to augment the number of graduates, post-graduate and PhDs in AI domain. Further, it envisions setting up Data and AI Labs in Tier 2 and Tier 3 cities across India, to impart foundational-level courses in Data and AI.

IndiaAI Fellowship was launched in June 2024, and provides financial support to B. Tech and M. Tech students from AICTE-recognized institutions to pursue AI research and development projects across various sectors. Till date, **150 UG students, 48 PG students, and 3 PhD scholars** have been selected for the IndiaAI Fellowship.

IndiaAI has established **IndiaAI Data Labs** in National Institute of Electronics & Information Technology (NIELIT's) Delhicentre and ICET, Nagaland. Additionally, IndiaAI in collaboration with NIELIT plans to establish **27 data labs in Tier 2 and Tier 3 cities** across the country, details of which are placed at **Annexure II.**

vi. **IndiaAI Startup Financing**: The IndiaAI Startup Financing Pillar envisions for providing support to AI startups at all stages. The IndiaAI Mission in collaboration with **Station F (Paris, France) and HEC Paris**, had announced an ambitious acceleration program for Indian AI startups. This program will support **10 Indian AI startups** in scaling globally by leveraging the European market's vast opportunities. Through this partnership, selected startups will undergo a 4-month immersive onsite acceleration program at Station F, the world's largest startup campus. The program, designed by HEC Paris, Europe's leading

business school, will provide startups with unparalleled access to resources, mentorship, and networking opportunities.

vii. **Safe & Trusted AI:** This pillar enables the implementation of Responsible AI projects including the development of indigenous tools and frameworks, self-assessment checklists for innovators, and other guidelines and governance frameworks.
Eight Responsible AI Projects have been selected to address the need for robust guardrails to ensure the responsible development, deployment, and adoption of AI technologies. The projects cover a range of critical themes, including **Machine Unlearning, Synthetic Data Generation, AI Bias Mitigation, Ethical AI Frameworks, Privacy-Enhancing Tools, Explainable AI, AI Governance Testing, and Algorithm Auditing Tools**. The details of the selected projects are given at **Annexure III.**

IndiaAI invited Expressions of Interest from individuals and organizations for the development of tools in areas such as **Watermarking & Labelling, Ethical AI Frameworks, AI Risk Assessment & Management, Stress Testing Tools, and Deepfake Detection Tools**.

(e) and (f): National Association of Software and Service Companies (NASSCOM), as an industry body, plays a key role in the IndiaAI Mission by collaborating with stakeholders across industries, academia, and government to foster AI innovation. Further**,** MeitY in partnership with National e-Governance Division (NeGD) and NASSCOM had developed the "National AI Portal" (https://indiaai.gov.in/) which serves as a comprehensive repository of Artificial Intelligence (AI) initiatives in the country. The portal was subsequently taken over by the IndiaAI Independent Business Division (IBD) of the Digital India Corporation, which is responsible for implementing the IndiaAI Mission.

The portal acts as a single point of reference for individuals, researchers, and industry professionals seeking information about AI initiatives in India, including academic research, startups, policy initiatives, and other related information. The IndiaAI portal hosts a wide array of articles, publications, and thought leadership pieces that aim to enhance the understanding of AI and its potential applications. As on date, there are 3,641 articles, 1314 news, 366 videos, 171 research reports, 511 startups, 151 case studies, and 172 government initiatives listed on the National AI Portal.

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Annexure I

The details of shortlisted AI solution under IndiaAI Application Development Initiative are as under:

Sl.No.	Name of the Solution	Solution Description	Stage	Theme
1	Promoting regenerative agriculture practices for a sustainable future using AI	In-house developed MRV (Measurement, Reporting, and Verification) technology designed to ensure the integrity and quality of generated carbon credits.	Solution	Agriculture
2	Krishi Sah‘AI’yak - Farming Co-pilot	AI-powered conversational co-pilot to provide personalized advisory to farmers in Indic languages	Solution	Agriculture
3	Kadalcompass - We Amplify the voice of water using Hydro-AI,Underwatercom,IoUT with Sensor Network	5G-enabled device that transforms fishing practices using AI, IoUT, and advanced communication technologies	Solution	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.	Solution	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.	Solution	Agriculture

6	AI deep-tech driven quality assessment of Maize	SAAS platform to provide objective quality assessment of maize including price estimation & sales pipelining.	Solution	Agriculture
7	AI-Driven Live Fish Logistics and Mortality Reduction in Aquaculture	AI-driven solution that optimizes aquaculture operations	Solution	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.	Prototype	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	Idea	Climate
10	Multi-Hazard Susceptibility Mapping	hazard management system topredict Landslides, Debris Flows and Flash Floods	Prototype	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	Prototype	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.	Prototype	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	Solution	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.	Solution	Healthcare
15	Impactful AI solution, preventing preventable blindness, for socio-economic transformation.	early detection of vision threatening retinal abnormalities	Solution	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	Solution	Healthcare
17	VoxelBox	Neuro-informatics platform that allows to map the functional maps / connectomics of the human brain	Prototype	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	Prototype	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.	Prototype	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	Prototype	Healthcare
21	Readabled (Online Dyslexia Training)	web-based application designed to help children with dyslexia improve phonetic awareness through interactive exercises.	Existing	Learning disabilities
22	Voice fusion AI	AI application to provide assistive support to individuals with SLDs in multiple Indian languages	Prototype	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	Existing	Learning disabilities
24	Jiveesha	AI-powered diagnostic platform for early detection of SLDs	Idea	Learning disabilities
25	Adaptive Learning and Detection for SLDs	Advanced AI techniques to detect Specific Learning Disabilities (SLDs) such as dyslexia, dysgraphia, and dyscalculia.	Prototype	Learning disabilities
26	Special Educator AI	AI-driven system designed to address India’s shortage of special educators and support children with SLDs.	Idea	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.	Solution	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	Solution	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	Prototype	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	Solution	Governance

Annexure II

The details of the selected projects under "Safe & Trusted AI" Pillar are as under:

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

Annexure III

List of Data & AI labs planned by IndiaAI in Tier 2 and Tier 3 cities across the country:

S.No.	NIELIT Centre	State/UT
1	Gorakhpur	Uttar Pradesh
2	Lucknow	Uttar Pradesh
3	Shimla	Himachal Pradesh
4	Aurangabad	Maharashtra
5	Patna	Bihar
6	Buxar	Bihar
7	Muzaffarpur	Bihar
8	Kurukshetra	Haryana
9	Ropar	Punjab
10	Haridwar	Uttarakhand
11	Bikaner	Rajasthan
12	Tezpur	Assam
13	Bhubaneswar	Odisha
14	Calicut	Kerala
15	Guwahati	Assam
16	Itanagar	Arunachal Pradesh
17	Srinagar	J&K
18	Jammu	J&K
19	Ranchi	Jharkhand
20	Imphal	Manipur
21	Gangtok	Sikkim
22	Agartala	Tripura
23	Aizawl	Mizoram
24	Shillong	Meghalaya
25	Kohima	Nagaland
26	Leh	Ladakh
27	Silchar	Assam

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