

GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3896
TO BE ANSWERED ON: 04.04.2025

**IMPLEMENTATION OF AI SOLUTIONS PRESENTED AT
INDIA AI INNOVATION CHALLENGE**

3896. SHRI IRANNA KADADI:

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

- (a) data on the number of applications received for the IndiaAI Innovation Challenge, along with the details thereof;
- (b) the expected timeframe for implementing Artificial Intelligence (AI) solutions presented in the challenge, along with the expected outcome and objective of the solutions;
- (c) the incentives and assistance made by Government to encourage Research & Development (R&D) of various AI solution across different sectors; and
- (d) the steps taken by Government to ensure and promote the participation and access of innovators from rural areas of the country?

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 democratise use of technology. This initiative aims to ensure that AI benefits all sectors of society, driving innovation and growth.

Union Cabinet led by Hon'ble Prime Minister Shri Narendra Modi ji 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. This 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.

One of the key pillars of the IndiaAI Mission is **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**.

The objective is to leverage AI for societal impact by addressing critical challenges such as improving public service accessibility, enhancing healthcare diagnostics, empowering farmers with AI-driven insights, and developing assistive technologies for learning disabilities. The expected outcomes include enhanced efficiency, improved decision-making, and wider accessibility of AI solutions in key sectors.

IndiaAI has taken proactive measures to ensure that innovators from rural areas have equal access and opportunity to participate. MeitY has approved the IndiaAI portal as a single point repository of AI resources, which not only centralizes information but also publicizes initiatives under the IndiaAI Mission through its website, social media handles, and newsletters. In addition, the Innovation Challenge details were shared widely via the MeitY website, Digital India Corporation social media channels, MSH, and the MyGov portal. The information was also circulated through emails to relevant Centres of Excellence (CoEs) to further engage their startup ecosystems. Complementing these efforts, three outreach webinars were held on 9th, 10th, and 12th September, ensuring that the initiative reached a broad and diverse audience, including innovators in rural areas.

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 to predict 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
