GOVERNMENT OF INDIA
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
LOK SABHA
UNSTARRED QUESTION NO. 4408
TO BE ANSWERED ON: 20.08.2025

NATIONAL AI MISSION IN KARNATAKA

4408. SHRI CAPTAIN BRIJESH CHOWTA:

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

(a) the number of Artificial Intelligence (AI) research and innovation projects sanctioned under the National AI Mission nationally, in Karnataka and specifically in Dakshina Kannada since 2020 including sector-wise details (agriculture, healthcare, logistics);
(b) the total funds allocated, released and utilised for AI-related research and development in Karnataka along with the share of grants provided to higher education institutions and research labs in Dakshina Kannada, district-wise;
(c) whether the Government has taken any steps to deploy AI-based solutions for fisheries monitoring, port logistics optimisation, marine biodiversity tracking in Dakshina Kannada and if so, the details thereof;
(d) the details of the number of students trained in Dakshina Kannada under Future Skills PRIME;
(e) whether the Government plans to establish a Centre of Excellence (CoE) on AI in Mangaluru, its proposed timeline and expected impact on job creation and local innovation ecosystem; and
(f) if so, the details thereof and if not, the reasons therefor?

ANSWER

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

(a) to (f): In line with Hon'ble 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.

AI ecosystem in India:

- Fast-growing India's tech sector, including AI, is projected to surpass $280 billion in annual revenue this year
- 6 million+ people are employed in this sector
- 1,800+ Global Capability Centres, including 500+ focused on AI
- ~1.8 lakh startups in India; 89% of new startups in India last year were AI-powered
- Global rankings such as Stanford AI rankings placing India among the top countries in AI skills, capabilities, and policies to use AI

- India, second-largest contributor to GitHub AI projects, testament to its vibrant developer community.

Building on this strong foundation, the IndiaAI Mission was launched in 2024, with a total outlay of Rs. 10,371 Cr, to make AI accessible to all across India. It establishes a robust and inclusive AI ecosystem aligned with India's development goals. Seven pillars of IndiaAI mission are as follows:

1) **IndiaAI Compute Capacity:** It aims to provide high-end compute power (GPUs) to all, including MSMEs and startups, at an affordable cost.

2) **IndiaAI Foundation Models:** To develop India's own Large Multimodal Models (LMMs) trained on Indian datasets and languages. This is to ensure sovereign capability and global competitiveness in generative AI.

3) **AIKosh:** To develop large datasets for training AI models. AIKosh is a unified data platform integrating datasets from government and non-government sources.

4) **IndiaAI Application Development Initiative:**

   - 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.
   - Currently, 30 (thirty) applications have been shortlisted. The details of shortlisted AI solution are given at Annexure I.
   - Out of 30 shortlisted applications, two innovative AI-driven solutions in fisheries were selected for their potential to enhance marine monitoring and aquaculture management.

5) **IndiaAI FutureSkills:**

   - To develop AI skilled professionals in India by increasing the number of graduates, post-graduate and PhDs in AI domain.
   - Envisions setting up Data and AI Labs in Tier 2 and Tier 3 cities across India.
   - State/UTs have nominated 174 ITIs and polytechnics for setting up IndiaAI data labs, including 23 nominations of ITIs from Karnataka. Details of these institutions are available in Annexure II.

6) **IndiaAI Startup Financing:** To provide financial assistance to AI start-ups.

7) **Safe & Trusted AI:** To balance innovation with strong governance frameworks to ensure responsible AI adoption.

FutureSkills PRIME program is a collaborative initiative of MeitY and National Association of Software and Service Companies (NASSCOM) aimed at making India a cutting- edge digital talent nation. Under the initiative:

- Skilling, reskilling, and upskilling in emerging technologies such as Artificial Intelligence,
- Big Data Analytics, IoTs, Cyber Security, Blockchain, AR/VR, etc.
- Courses are developed in consultation with industry to align with actual employment needs.

- Portal can be accessed anytime-anywhere to earn skill certificates in line with their aptitude and aspirations.
- Accessible online at https://futureskillsprime.in/
- So far, more than 22.9 lakh candidates have registered on the portal.
- Around 7.34 Lakh candidates have completed the training, including 1.78 Lakh candidates in AI/Big Data.
- In Dakshin Kannada more than 5,000 candidates have enrolled/trained in various courses.

The Government has established Centres of Excellence in various emerging technologies including Artificial Intelligence to explore opportunities in these specialized fields. These centres provide start-ups with plug-and-play co-working spaces and access to the ecosystem.

Three Centres of Excellence (CoEs) in Artificial Intelligence have been established with a focus on healthcare, agriculture, and sustainable cities at IISc Bengaluru, IIT Ropar, and IIT Kanpur respectively. The total budget outlay for these CoEs is ₹990 crores.

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

- **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 AI-enhanced X-rays	*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	Endimension Technology Private Limited	Existing Solution
	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

Indicative problem statement	Title of the Project and Description	Team Name	Solution Stage
	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: *non-invasive device that enables physiotherapists to assess joint health with precision.*	Team Pheezee	Existing Solution
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

Indicative problem statement	Title of the Project and Description	Team Name	Solution stage
	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
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
	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 to*	PerpetualBlock Technologies Private Limited	Prototype

Indicative problem statement	Title of the Project and Description	Team Name	Solution Stage
	express themselves through emotionally connected, lifelike voice outputs,		
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

Details of IndiaAI Data & AI labs in Karnataka

Sr. No.	State	Name of ITI
1	Karnataka	Govt ITI Guttal
2	Karnataka	Govt ITI Wadi
3	Karnataka	Govt ITI Mundagod
4	Karnataka	Govt ITI Ramanagar
5	Karnataka	Govt ITI Kolar
6	Karnataka	Govt ITI Vitla
7	Karnataka	ITI Challakere
8	Karnataka	Govt ITI Maddur
9	Karnataka	Govt ITI Naragund
10	Karnataka	Govt ITI Ramdurg
11	Karnataka	Govt ITI KM Doddi
12	Karnataka	Govt ITI Nesargi
13	Karnataka	Govt ITI Mangalore Grama
14	Karnataka	Govt ITI Kukanoor
15	Karnataka	Govt ITI Talakal
16	Karnataka	Govt ITI Sira
17	Karnataka	Govt ITI Saudatti
18	Karnataka	Govt ITI Turuveke
19	Karnataka	Govt ITI Guledagudda
20	Karnataka	Govt ITI Hanumasagara
21	Karnataka	Govt ITI Pavagada
22	Karnataka	Govt ITI Nippani
23	Karnataka	Govt ITI Victalapur

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