

# Putting India on the road to becoming an AI superpower

*Recommendations of the  
Bangalore Expert Group on  
Artificial Intelligence hosted by  
the Takshashila Institution*





## Bangalore Expert Group

*The members of the independent, non-partisan expert group contributed to these recommendations in their personal capacities.*

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## Goals: AI for *yogakshema*

### **#1: Make India an AI superpower**

AI contributes 5% of GDP by 2030, servicing both export and domestic sector.

### **#2: Use AI as an opportunity for national development**

Achieve New India 2022 goals, reduce poverty, achieve sustainability, increase wellness, quality of life, raise rural incomes, enhance national security, propel innovation, and economic prosperity.

### **#3: AI transforms governance**

Highly efficient and equitable public service delivery, tax administration, judicial system, law enforcement, public procurement, project management, transparency, and integrity.



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# How to become an AI superpower

## **#1: Attract world-class faculty**

*Target 500 leading researchers to work in India over the next 3 years. Each one trains 5-10 PhDs/Master's graduates over 20 years. Indian research should be among the top 10 most cited.*

## **#2: Attract the top AI companies**

*India should be the preferred location for both homegrown and foreign companies to carry out research, development and, commercialisation of AI products and services. Target the Global AI 100.*

## **#3: Create new Centres of Excellence**

*20 Centres of Excellence across Indian cities in partnership with industry and academia. These will carry out advanced R&D, each excelling in a particular domain.*



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# How to become an AI superpower

## **#4: Set up a national authority for data governance**

*A new body tasked with oversight of rules governing data ownership, privacy, commerce, standards, and algorithms.*

## **#5: Set up an AI promotion board**

*Tasked with the creation and management of the Centres of Excellence, set up data repositories, common platforms, and administer challenge grants and provide funding to entrepreneurs. Funding can come from a collaboration between the Government, CSR, and private money. The governing council of the board to be represented by Industry, Academia and Government with minimal bureaucracy.*



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## Projects and Initiatives

**We propose 6 major initiative areas at a total budget of ₹15,200 crores over three years.**

### **#1: Simultaneous real-time translation of the Prime Minister's 75th Independence Day Speech into 30 Indian languages**

*Estimated cost: ₹1000 crores over 3 years*

*To create a “moonshot” to develop and demonstrate India’s capabilities in AI and inspire investments, research, and education in the field.*

### **Break the language barrier**

*Indians should be able to speak and understand each other in their native languages. AI can be used to provide instant real-time translation among all Indian languages. This has great potential for national integration and economic efficiency.*



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## Projects and Initiatives

**We propose 6 major initiative areas at a total budget of ₹15,200 crores over three years**

### **#2: Set up 20 Centres of Excellence**

*Estimated cost: ₹700 crores (Infrastructure cost) languages*

*Annual operating cost: ₹2600 crores (₹130 crores x 20)*

### **#3: AI for Health**

*Estimated cost: ₹1900 crores over 3 years*

*Set up a federated data platform for health (₹1500 crores)*

*Support the technology development for assistive primary healthcare (₹400 crores).*

### **Accelerate universal healthcare coverage**

*Use AI for medical screening, improving diagnosis, medical decision support, and data-based recommendations for public health policy making and interventions.*



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## Projects and Initiatives

***We propose 6 major initiative areas at a total budget of ₹15,200 crores over three years***

### **#4: Challenge Grants**

*Estimated cost: ₹1800 crores over 3 years.*

*A challenge grant is awarded as a reward to teams to achieve an extraordinary breakthrough in solving an identified problem.*

### **#5: Atal Tinkering Labs v2**

*Estimated cost: ₹1000 crores over 3 years*

*To set up equipment, training, and sandbox facilities across schools in India.*

### **#6: AI for Expedited Justice**

*Estimated cost: ₹1000 crores over 3 years*

*To eliminate backlogs of certain types of legal cases in 3 years.*