

GOVERNMENT OF INDIA  
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 6120**  
TO BE ANSWERED ON 04.04.2018

**ROADMAP FOR ARTIFICIAL INTELLIGENCE**

**6120. SHRI SUMAN BALKA :**

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

- (a) whether the Ministry has formed four committees to prepare a roadmap for the national artificial intelligence programme for citizen centric services, data platforms, skilling, research and development, legal regulatory framework and cyber security measures and if so, the details thereof;
- (b) whether the Government also plans to implement technologies such as Artificial Intelligence, 3D printing, blockchain technology and also on developing standards and regulations for them; and
- (c) if so, the details thereof?

**ANSWER**

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY  
(SHRI K J ALPHONS)

(a): Yes, Sir, Technology relating to Artificial Intelligence (AI) such as Machine Learning, Data Analytics etc. is evolving and they can be very useful to improve services delivery in government and private sectors. An essential requirement for development of such technologies is availability of large volumes of data on which the AI engines can work and thereafter develop applications. The Government is cognizant of the fact that data within government with various departments and data available with the private entities will help development of AI applications. Four committees comprising of representatives from industry, academia and government agencies has been constituted to recommend steps to be taken to enable the availability of data from various sources for AI keeping in mind the requirements of privacy and data protection and other measures to be taken to promote AI initiatives. (c) A copy of the constitution of committees for promoting AI is kept at Annexure.

(b) and (c): Formulation of Standards comes under the purview of Bureau of Indian Standards (BIS), which is working with Ministry of Electronics & IT, Industry and Academia for formulation of standards for various emerging technologies.

Further, BIS has for formulated the Sectional Committees ie LITD 28 on Block chain and distributed ledger technologies & LITD 30 on Artificial Intelligence so far no standard has been published by these committees.

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