

**GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF PHARMACEUTICALS**

LOK SABHA
STARRED QUESTION Q. 188
TO BE ANSWERED ON THE 15th DECEMBER, 2023

Artificial Intelligence and Block Chain Technologies in Pharmaceutical Sector

***188. SHRI LALLU SINGH:
SHRI JANARDAN MISHRA:**

Will the Minister of **CHEMICALS AND FERTILIZERS** be pleased to state:

- (a) whether the Government has taken note of the importance of advanced technologies such as Artificial Intelligence, Block chain etc. which can play a major role in boosting the pharmaceutical sector in the country;
- (b) if so, the details thereof; and
- (c) the steps taken/proposed to be taken by the Government to leverage such technological developments to the sector's advantage in the country?

ANSWER

**MINISTER IN THE MINISTRY OF CHEMICALS & FERTILIZERS
(DR. MANSUKH MANDAVIYA)**

(a) to (c): A Statement is laid on the Table of the House

Statement referred to in reply to the LOK SABHA STARRED Q. No. 188 (8TH POSITION) for answer on 15.12.2023 raised by Shri Lallu Singh and Shri Janardan Mishra regarding the Artificial Intelligence and Block Chain Technologies in Pharmaceutical Sector”

(a): Yes, Sir.

(b) & (c): Department of Pharmaceuticals has taken steps to promote R&D in the sector including in the areas of Artificial Intelligence and Machine Learning through the Promotion of Research and Innovation in the Pharma-Medtech Sector (PRIP) Scheme. Further, NIPERs under the aegis of Dept of Pharmaceuticals have introduced topics related to Artificial Intelligence and Block Chain Technology in their courses and they provide training to students in AI-based tools to build human resource capacities in these areas for the pharmaceutical sector. In addition, the Department of Biotechnology (DBT) also supports Artificial Intelligence-based research activities in the biotech sector, particularly in the healthcare and agriculture areas, in order to leverage emerging technologies for these sectors.
