

**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
LOK SABHA**

**UNSTARRED QUESTION No. 2459
TO BE ANSWERED ON 21.12.2022**

YOUTH INVOLVEMENT IN R&D

† 2459. SHRI MAHABALI SINGH:

Will the Minister of **SCIENCE AND TECHNOLOGY** विज्ञान और प्रौद्योगिकी मंत्री be pleased to state:

(a) whether the Government is aware that only a small number of youths in the country are involved in research and development activities;

(b) if so, the details thereof; and

(c) the details of the scheme formulated by the Government to attract young talent towards research and development activities?

ANSWER

**MINISTER OF STATE (INDEPENDENT CHARGE) OF THE
MINISTRY OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES
(DR. JITENDRA SINGH)**

विज्ञान और प्रौद्योगिकी तथा पृथ्वी विज्ञान मंत्रालय के राज्य मंत्री (स्वतंत्र प्रभार)
(डॉ. जितेंद्र सिंह)

(a) & (b) No Sir. The participation of youth into research and development in the country follows an increasing trend which commensurates with the increasing trend of the opportunities in terms of doctoral and post-doctoral fellowships and other research and development opportunities. The government has been encouraging participation of youth (young scientists/researchers/students) in research and development activities through various fellowships/ research grants. The same is also reflected with the country currently placed at 3rd rank in terms of number of PhDs awarded in Science and Engineering after the USA and China.

(c) The Government has been implementing various schemes for promoting participation of youth in research and development activities that include various fellowship programmes such as CSIR-UGC Junior Research Fellowships (JRF), Department of Biotechnology -Junior Research Fellowship (DBT-JRF) and Department of Science and Technology-INSPIRE Fellowship, Shyama Prasad Mukherjee Fellowships (SPMF) to certain top ranking CSIR-UGC JRF-National Eligibility Test qualified candidates, Senior Research Fellowships (SRF)-Direct for young researchers in 18 disciplines of basic sciences, engineering, medicinal & pharmaceutical sciences to pursue doctoral research. The CSIR-Nehru Postdoctoral Research Fellowship, Science and Engineering Research Board-National Post-Doctoral Fellowship (N-PDF), Research Associateships (RA) offered by CSIR-UGC as well as DBT and the INSPIRE-Faculty Fellowship offered by DST are providing post-doctoral research opportunities to further carry forward the research and development activities.
