

**GOVERNMENT OF INDIA  
MINISTRY OF EDUCATION  
DEPARTMENT OF HIGHER EDUCATION**

**RAJYA SABHA  
UNSTARRED QUESTION NO. 1133**

**TO BE ANSWERED ON 08.12.2021**

**R&D in higher education**

**1133. Shri Deepender Singh Hooda:**

Will the Minister of Education be pleased to state:

- (a) the position of the country among prominent countries in terms of fund allocation for Research and Development (R&D) in higher education as a percentage of annual GDP;
- (b) the details of the schemes run by Government to promote R&D in higher education; and
- (c) the details of the funds allocated and utilized on R&D in higher education during the last five financial years including the current financial year?

**A N S W E R  
MINISTER OF STATE IN THE MINISTRY OF EDUCATION  
(DR.SUBHAS SARKAR)**

(a) As per latest R&D Statistics, India's Gross expenditure on R&D (GERD) nearly tripled from Rs39,437 crore in 2007-08 to Rs1,13,825 crore in 2017-18, and further to an estimated Rs1,23,847 crore in 2018-19. As a percentage of Gross Domestic Product (GDP) it remained 0.7% as compared to 4.3% in Israel, 2 % in China, 1.2 % in Brazil.

(b) Ministry of Education, Government of India has taken a number of initiatives to promote R&D in higher education. These include UchhatarAvishkarYojana (UAY), which promotes industry sponsored, outcome-oriented research. 25% of the funds under UAY are contributed by the Industry. Impacting Research Innovation and Technology (IMPRINT) focuses on socially relevant research in higher educational institutions. Establishment of 9 Research Parks, 8 of them being in the Indian Institutes of Technology (IITs) and one in Indian Institute of Science (IISc). These research parks will propel innovation through incubation and joint research between academia and industry. Prime Minister's Research Fellows (PMRF) Scheme which incentivises the most meritorious students to pursue research in the frontier areas of science & technology by offering attractive rates of fellowship from Rs.70, 000/- to Rs.80, 000/- per month in addition to research grant of Rs.2.00 lakh per year for five years. The 'Scheme for Transformational and Advanced Research in Sciences (STARS) with objective to provide extra mural funding to faculty of Higher Education institutions for research projects in basic sciences which are inter-disciplinary and translational in outcomes.

(c) Years wise details of funds utilised on R&D schemes in higher education by the Ministry of Education are as under :-

Year	2017-18	2018-19	2019-20	2020-21	2021-22
Amount(Rs in Crores)	253.75	220.76	285.36	277.47	74.67

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