

**GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA
UNSTARRED QUESTION NO. 3078
TO BE ANSWERED ON 06th AUGUST, 2021**

“AUGMENTED AND VIRTUAL REALITY TECHNOLOGY”

3078 SHRI T.R.V.S. RAMESH:

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

- (a) whether the Government proposes to implement Virtual reality (VR) and augmented reality (AR) technologies in various medical institutions in the country;
- (b) if so, the details thereof;
- (c) the manner in which the said technology is going to be beneficial in better understanding the practical concepts of learning for the medical students; and
- (d) the number of government and affiliated medical intuitions that are in existence in the country, State/UT-wise?

**ANSWER
THE MINISTER OF STATE FOR HEALTH & FAMILY WELFARE
(DR. BHARATI PRAVIN PAWAR)**

(a) to (c): Minimum Requirements for Annual M.B.B.S. Admissions Regulations, 2020 of National Medical Commission (NMC) provides for that every medical institution shall have a Skills Laboratory where students can practice and improve skills pre-specified in the competency based undergraduate curriculum. The skills laboratory attempts to recreate the clinical environment and tasks which future health care workers have to perform with various levels of complexity and fidelity. As per information provided by the NMC, Virtual Reality (VR) and Augmented Reality (AR) technologies are used in few medical institutions in India. These technologies are for teaching medical students and help them learn to treat the patients or perform surgeries in a virtual environment.

(d): There are 289 Government and 269 private medical colleges / institutions in the country. The State/ UT wise list of Government and private medical colleges / institutions is attached at Annexure.

Annexure

Number of Government and Private medical colleges as on (05.03.2021) in the country as per NMC website

SI. No.	State/ UT	Number of Government medical colleges	Number of Private medical colleges	Total number of medical colleges
1.	Andaman & Nicobar Island	1	0	1
2.	Andhra Pradesh	13	18	31
3.	Arunachal Pradesh	1	0	1
4.	Assam	8	0	8
5.	Bihar	11	6	17
6.	Chandigarh	1	0	1
7.	Chhattisgarh	7	3	10
8.	Dadra Nagar Haveli and Daman & Diu	1	0	1
9.	Delhi	8	2	10
10.	Goa	1	0	1
11.	Gujarat	18	13	31
12.	Haryana	5	7	12
13.	Himachal Pradesh	7	1	8
14.	Jammu & Kashmir	9	1	10
15.	Jharkhand	7	1	8
16.	Karnataka	19	41	60
17.	Kerala	10	21	31
18.	Madhya Pradesh	14	9	23
19.	Maharashtra	26	31	57
20.	Manipur	2	0	2
21.	Meghalaya	1	0	1
22.	Mizoram	1	0	1
23.	Nagaland	0	0	0
24.	Orissa	8	4	12
25.	Puducherry	2	7	9
26.	Punjab	4	6	10
27.	Rajasthan	16	8	24
28.	Sikkim	0	1	1
29.	Tamil Nadu	26	26	52
30.	Telangana	11	23	34
31.	Tripura	1	1	2
32.	Uttar Pradesh	26	31	57
33.	Uttarakhand	4	2	6
34.	West Bengal	20	6	26
Total		289	269	558