

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

LOK SABHA

UNSTARRED QUESTION NO. 4585

TO BE ANSWERED ON WEDNESDAY, MARCH 30, 2022

DEVELOPMENT OF SPACE SCIENCE

4585. SHRI RAMESH BIDHURI:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has taken/proposed to take any steps for development of space science, space research and satellite technology in the country;**
- (b) if so, the details thereof during the last five years; and**
- (c) the achievements made/shortcomings faced by the Government in this field?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &

PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(DR. JITENDRA SINGH):

- (a) Yes, Sir. Government has taken many initiatives for the development of space science, space research and satellite technology in the country.**
- (b) The following initiatives have been taken up during the last 5 years for joint collaborative research in the areas of space science and space research:**

- 1. A MoU has been signed with Centre for Nano Science and Engineering (CeNSE) at Indian Institute of Science (IISc), Bangalore on April 21, 2017.**
- 2. A Centre of Excellence on Advanced Mechanics of Materials has been set up at Indian Institute of Science (IISc), Bangalore on May 11, 2018.**
- 3. Three numbers of Space Technology Cells (STCs) have been set up at Indian Institute of Technology (IIT), Delhi, Indian Institute of Technology (IIT), Roorkee and Indian Institute of Technology (IIT), Guwahati.**
- 4. Six numbers of Regional Academic Centres for Space (RAC-S) have been set up at Malaviya National Institute of Technology (MNIT), Jaipur, (Rajasthan), Gauhati University, Guwahati, (Assam), National Institute of Technology (NIT), Kurukshetra, (Haryana), National Institute of Technology (NIT), Surathkal, (Karnataka), Indian Institute of Technology (IIT), BHU, Varanasi, (Uttar Pradesh) and National Institute of Technology (NIT), Patna, (Bihar).**
- 5. Six numbers of Space Technology Incubation Centres (S-TIC) have been set up at National Institute of Technology, Agartala (Tripura), National Institute of Technology, Jalandhar (Punjab), National Institute of Technology, Tiruchirapally (Tamil Nadu), National Institute of Technology, Nagpur (Maharashtra), National Institute of Technology, Rourkela (Odisha), National Institute of Technology, Bhopal (Madhya Pradesh).**

- 6. Another Centre called “Satish Dhawan Centre for Space Sciences” has been established jointly by Indian Space Research Organisation (ISRO) and Central University of Jammu at Jammu on March 12, 2022.**
 - 7. Further, to promote research and development in space technology through industry as well as academia, ISRO in collaboration with Veer Surendra Sai University of Technology (VSSUT), Burla, Sambalpur (Odisha), has set-up Veer Surendra Sai Space Innovation Centre (VSSSIC) within its campus at Sambalpur.**
 - 8. Under the sponsored research programme of ISRO called “RESPOND”, 249 numbers of research and developed projects have been taken up with academia during the last 5 years.**
- (c) The above mentioned steps taken by Government have resulted in focused developments in the areas of space science, technology and applications, which in turn has translated into enhanced capabilities and technical improvements in the launch vehicles and satellites developed by ISRO.**
