

## **Open House with Shri Tapan Misra, Senior Advisor to the ISRO Chairman "Indian Human Space Programme and its legal implications"**

**Gandhinagar, April 03, 2019:** GNLU organized an Open House with Shri Tapan Misra, Senior Advisor to the Chairman, Indian Space Research Organization, on "Indian Human Space Programme and its legal implications".

Shri Tapan Misra started the session by complimenting the humans that, "Exploration is in Human DNA". He explained the mechanism through the examples that Language, tools were introduced that tremendously booted the Homo sapiens upgraded. This necessitated by climatic change aided by the ability of collective Planning through linguistic capabilities humans become expertise and developed into multicellular being.

He appreciated the role of three Indians (Rakesh Sharma, Soyuz; Kalpana Chawla, Colombia and Sunitha Williams, Endeavor) in Human Space Mission. The crew is prepared for physiological (like reduction in circulation of red blood cell mass) and psychological (changes in mood, morale, ability to respond to the things) challenges that occur in the zero gravity.

The Space Programme has become a reality wherein the contribution of India is loud and visible and India can equally compete with other developed countries in terms of space explorations. The space transactions have widened its horizon from only policy-oriented mechanism to security governed practices. This can be visible from the entry of private parties like Space X, Boeing, SNC, etc.

He also emphasized on the announcement by Honourable Prime Minister that "When India Celebrates the 75th year of Independence in 2022, and if possible even before, an Indian son or daughter will undertake a manned mission on board "Gaganyaan' carrying the National Flag". On those lines, he shared that we are moving towards the human-centric safety domain as the next agenda, where our prime focus will be on crew module and service module enhancements.

He added on the responsibilities of a State on HSF activities. Personnel responsibility covers liability for safety and life of the Astronauts/ Crew which includes risk mitigation, compensation, post-mission health monitoring, and International responsibilities to comply with the provisions of UN treaties like Outer Space Treaty, 1969 (Article V and VII) and Rescue Agreements, 1968 (Article 2,3 and 4).

The Open House was organized under the aegis of the LexTech Club of GNLU.

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