

Amidst the pandemic, India has to stay competitive enough in the space sector in order to provide efficient services to its customers. Analysis

The covid-19 pandemic has put India's space activities into suspension. India's global share in total space launches continue to be low at 1.8% and only 3 launches are made in last 6 months.

However pandemic not stopped other countries in developing space vehicles

- * In last one year India's space industries (private startups) raised nearly US \$30 million. [Ex- Agnikul cosmos, Synroot Aerospace]
- * Iran carried out its first ever space launches on indigenous vehicle
- * Small countries like Myanmar, Paraguay launched their first satellite
- * US & China dominating the space industry through multiple launches to Mars, developing space stations, and Japan's "Hayabusa Mission" to asteroid Ryugu
- * Private companies like space X, Expace on space increase their market share by providing launch service at low cost

India with technical, human resource capacity must competitive & accelerate its space programmes -

- * NASA-ISRO joint project - Synthetic Aperture Radar is delayed due to slow develop of GSLV-MkII, need to revive the program which helps to ^{demonstrate} dominate Indian space capability world wide
- * As India aims to adopt 5G technology communication satellite programme launch
- * Space reform 2020, opened India space to private firms, lockdown & pandemic helped to increase revenue, developing Small satellite Launch Vehicle (SSLV) of ISRO needed to be competitive
- * Industrial revolution 4.0 utilizes AI, block chain technology, Internet of things & other necessary support (technical) needed for ISRO
- * GAGANYANA Mission of ISRO - an anned space mission which aims to complete by 2022 needs testing in shuttle vehicle, capsule tech.

Thus India need to revive its space programme & taking from global example may collaborate with private service providers in accelerating its future programme