

Prelim Bits 02-01-2017

ISRO in 2016:

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- ISRO launched seven vehicle missions in 2016. All were successful. Eight ISRO satellites, four student satellites and 22 foreign satellites were launched by these missions.

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- The year 2016 also saw two successful advanced launch vehicle technology initiatives of ISRO – the Reusable Launch Vehicle-Technology Demonstrator (RLV-TD) and Scramjet technology demonstrator.

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- **India's first winged-body aerospace vehicle**, RLV-TD, with critical technologies such as autonomous navigation, guidance & control, reusable thermal protection system and re-entry mission management was launched.

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- With the Scramjet technology demonstrator, India is the fourth country to demonstrate the flight testing of Scramjet engine.

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- NAVIC – Navigation Indian Constellation\n

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- Successful launch of IRNSS 1E and 1F with the PSLV-C31 and PSLV-C32 marks the completion of Regional Navigation Satellite System (IRNSS).

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- PSLV-C34 successfully launched 20 satellites in a single mission. It included India's CARTOSAT-2 series of satellite as primary payload and two academic institutes' satellites, namely, **SWAYAM** and **SATHYABAMASAT** and 17 satellites of foreign customers from Canada, Germany, Indonesia and the US as co-passengers.

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- GSLV-F05, India's Geosynchronous Satellite Launch Vehicle, equipped with the indigenous Cryogenic Upper Stage, successfully launched the

country's weather satellite INSAT-3DR.

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- INSAT-3DR is a follow-on meteorological satellite to INSAT-3D. This launch is significant, considering the fact that this is the third consecutive success of the indigenous CUS (Cryogenic Upper Stage), which signified the country's successful assimilation of the complex cryogenic rocket propulsion.

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- This was followed by SCATSAT-1, Resourcesat-2A, GSAT-18 launches.

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Kala Academy:

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- Country's folk and handicrafts Fest is scheduled to be held at Kala Academy.

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- An exquisite mixture of folk art forms and handicrafts from across the world will be on display at the Darya Sangam Kala Academy.

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- Kala Academy (Academy of the Arts) situated at Campal, Panjim is a prominent cultural centre run by the Government of Goa.

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- It is registered as a society, and was started in February 1970.

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- It plays the role of being an "apex body to develop music, dance, drama, fine art, folk art, literature, etc. and thereby promote (the) cultural unity of Goa.

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