

Vikram A Sarabhai, the visionary behind the Indian Space Programme







Indian National Committee for Space Research (INCOSPAR) formed by the Department of Atomic Energy, with Vikram A Sarabhai as its Chairman and work on establishing Thumba Equatorial Rocket Launching Station (TERLS) started





21st November 1963 - First sounding rocket, Nike-Apache launched from Indian soil



Prime Minister Jawaharlal Nehru visiting Physical Research Laboratory, Ahmedabad

# 1965

Space Science & **Technology Centre** (SSTC) established in Thumba



**Experimental Satellite** Communication Earth Station set up at Ahmedabad



Nov 20, 1967 - The first Indian-made sounding rocket, Rohini RH-75, was launched from TERLS



Prime Minister Indira Gandhi, dedicating TERLS to U.N. (February 2, 1968)



### 1969



Government of India took the decision to establish a rocket launching station on the Sriharikota island (February 1969)



Formation of Indian Space Research Organization (ISRO) with Vikram A Sarabhai as Chairman (August 15, 1969)



New SSTC campus at Veli, Thiruvananthapuram

SHAR Centre, Sriharikota operationalised October 1971, renamed as Satish **Dhawan Space** Centre in October 2003



Prof. MGK Menon takes over as Secretary, Department of Space and Chairman, ISRO. (January, 1972)



Department of Space (DOS) established, ISRO brought under DOS (June 1, 1972)

TERLS renamed as Vikram Sarabhai Space Centre (1972)

Physics Research Laboratory (PRL) was established in 1947 in Ahmedabad, by Dr. Vikram Sarabhai. PRL became a key unit under DoS in 1972.



Prof. Satish Dhawan takes over as Secretary, Department of Space and Chairman, ISRO. (October 1972)

Ahmedabad.



ISRO Satellite Centre (ISAC) established at Bangalore



## 1975

Satellite Instructional Television Experiment (SITE) (1975-1976) using ATS-6 Satellite of USA



First Indian Satellite, ARYABHATA, launched on (April 19, 1975)



Established Udaipur Solar Observatory by Vedshala Trust with support from DST and was later taken over by DoS in 1981.

## 1976

ISRO Telemetry Tracking & Command Network (ISTRAC) came into existence. (06 Sept, 1976)



Satellite Telecommunication Experiments Project (STEP) (1977-1979) carried out using Franco-German Symphonie Satellite



Launch of BHASKARA-I, an experimental satellite for earth observations by a Kosmos-3M rocket from Soviet Union (June 7, 1979)



First experimental launch of SLV-3 (August 10,1979)



Rohini RS-1 satellite placed in orbit (July 18,1980)

**National Remote Sensing Agency** (NRSA) was established as a registered society under the Department of Science & Technology (DST) on September 2, 1974 & Transferred to DOS on December 04, 1980





First developmental launch of SLV-3, RS-D1 placed in orbit (May 31,1981)



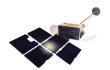
Launch of APPLE, an experimental geo-stationary communication satellite (June 19, 1981)

Launch of BHASKARA-II (November 20, 1981)





Master Control Facility came into existence. (April 10, 1982)



Launch of INSAT-1A (April 10, 1982)

Second developmental launch of SLV-3, RS-D2 placed in orbit (April 17, 1983)





INSAT system commissioned with the launch of INSAT-1B (August 30, 1983)

### 1984

Prof. U.R. Rao takes over as Secretary, Department of Space and Chairman, ISRO. (September 30, 1984)







Indo-Soviet joint manned spaceflight









INSAT system for Telecom, Television & Meteorology



April 3, 1984 - Rakesh Sharma, India's first astronaut, orbited Earth aboard Soyuz T-11, famously describing India as "Saare Jahan Se Accha" from

The first Vikas Engine built indigenously was successfully tested in France

# 1986

ISRO Telemetry Tracking & Command Network (ISTRAC) was established



Launch of Stretched Rohini Series-1 (SROSS-1) Satellite





First developmental launch of ASLV with SROSS-1 satellite on board (March 24, 1987) The satellite did not reach orbit

Advanced Data Processing Research Institute (ADRIN) was established in Hyderabad, Telangana in 1987

### **Birth of Liquid Propulsion Systems** Centre

LPSU becomes LPSC on June 01, 1987







Establishment of IRS system with the launch of Indian Remote Sensing Satellite, IRS-1A (March 17, 1988)

Second developmental launch of ASLV with SROSS-2 (July 13, 1988). The satellite could not be placed in orbit



Launch of INSAT-1C (July 22, 1988)

Indian Institute of Remote Sensing (IIRS) was established on 21st April 1966 initially as Indian

Photo-interpretation Institute (IPI) under the Survey of India. It was renamed as IIRS in 1976 and brought under DoS in 1988.



Launch of INSAT-1D (June 12, 1990)



ISRO Inertial Systems Unit (IISU) was formed in (July 31, 1991)



Launch of second operational Remote Sensing Satellite, IRS-1B (August 29, 1991)



First successful launch of ASLV, SROSS-C placed in orbit (May 20, 1992)



SROSS-C Satellite



Launch of INSAT-2A, the first satellite of the indigenously built second generation INSAT series (July 10,1992)

National Atmospheric Research Laboratory (NARL) was established in Gadanki, near Tirupati, Andhra Pradesh in 1992.



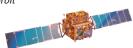
Laboratory for Electro-Optics Systems (LEOS) was formed (December 28, 1992)





Launch of INSAT-2B (July 23, 1993)

First developmental launch of PSLV with IRS-1E on board (September 20, 1993). The satellite could not be placed in orbit





# 1994

Dr. K. Kasturirangan takes over as Secretary, Department of Space and Chairman, ISRO. (March 31, 1994)



Fourth developmental launch of ASLV, SROSS-C2 placed in orbit (May 4, 1994)



Successful launch of PSLV, IRS-P2 placed in orbit (October 15, 1994)





### 1995



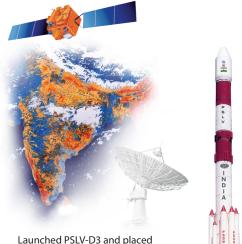
Launch of INSAT-2C, the third satellite in INSAT-2 series (December 7, 1995)



Launch of Indian Remote Sensing Satellite, IRS-1C (December 28, 1995)



## 1996



Launched PSLV-D3 and placed IRS-P3 satellite into orbit, marking India's entry into space-based astronomical research with the Indian X-ray Astronomy Experiment (IXAE) payload. (March 21, 1996)

### 1997



Launch of INSAT-2D, the fourth satellite in INSAT-2 series (June 4, 1997)



First operational launch of PSLV, IRS-1D placed in orbit (September 29,1997)

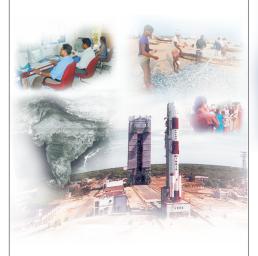
# *1998*

INSAT-2DT launch on (January 01, 1998)



Launch of IRS-P4 (OCEANSAT) along with Two Satellites from abroad by PSLV-C2 (May 26, 1999)

Apr 3, 1999 ISRO launched international satellites, for the first time, marking the start of commercial space launches from India



### 2000

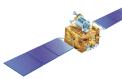


Launch of INSAT-3B, the first satellite in the third generation INSAT-3 series (March 22, 2000)

North Eastern Space Applications Centre (NE-SAC) was established as a joint initiative of the DOS and the North Eastern Council (NEC) (September 05, 2000)







Launch of PSLV-C3, India's TES along with Belgian PROBA and German BIRD, placed in orbit (October 22, 2001)



### 2002





Launch of kalpana-1 on board PSLV-C4 (September 12, 2002)

Conducted first successful Cryo Engine Hot Test. (February 9, 2002)







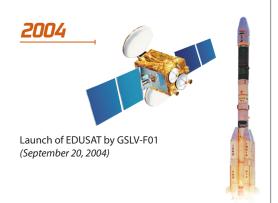
GSLV-D2 (May 8, 2003)

Mr G Madhavan Nair takes over as Secretary, Department of Space and Chairman, ISRO. (September 1, 2003)

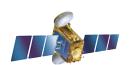












Launch of INSAT-4A by Ariane 5 (Dec 22, 2005)

# 2006



Second operational flight of GSLV with the INSAT-4C on board (July 10, 2006). The satellite could not be placed in orbit

# 2007





LAPAN-TUBSAT

**INDONESIA** 



PFHUFNSAT-1 **ARGENTINA** 

Launch of CARTOSAT-2 along with SRE-1 and two Satellites from abroad by PSLV-C7 (January 10, 2007)

Successful recovery of SRE-1 (January 22, 2007)





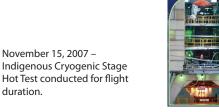
Launch of INSAT-4B by Ariane 5 (March 12, 2007)



Launch of AGILE, Italian astronomical satellite by PSLV-C8 (April 23, 2007)



Launch of INSAT-4CR by GSLV-F04 (September 2, 2007)



Indian Institute of Space Science and Technology (IIST) was inaugurated in Thiruvananthapuram (September 14, 2007)



# 2008

duration.



Launch of TECSAR by PSLV-C10 (January 21, 2008)

Launch of Cartosat-2A and IMS-1 along with eight Nano Satellites from abroad by PSLV-C9 (April 28, 2008)



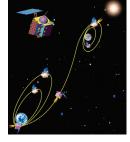


First commercial satellite, W2M, was built by ISRO & Antrix in partnership with EADS-Astrium of Europe and was delivered successfully



Launch of CHANDRAYAAN-1 by PSLV-C11 (October 22, 2008)





Chandrayaan-1's Moon Impact Probe successfully impacted near Shackleton Crater, marking India's first physical presence on the Moon. The mission also confirmed the presence of water molecules.









OCEANSAT-2

Launch of Oceansat-2 along with Six Nano Satellites from abroad by PSLV-C14 (September 23, 2009)

Dr. K Radhakrishnan takes over as Secretary, Department of Space and Chairman, ISRO. (October 31, 2009)

# 2010



Successful static testing of GSLV Mk III Launch Vehicle's S200 Solid Propellant Booster Rocket Stage (January 24, 2010)







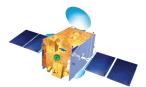
Successful Static Testing of GSLV Mk III Launch Vehicle's L110 Liquid Core Stage (September 8, 2010)





Launch of CARTOSAT-2B and STUDSAT along with three satellites from abroad by PSLV-C15 (July 12, 2010)





Launch of GSAT-5P by GSLV-F06 (December 25, 2010) Satellite could not be placed in orbit.

Successfully delivered Hylas-1, the second commercial satellite built by ISRO & Antrix in partnership with Astrium Satellites of Europe





RESOURCESAT-2

Launch of RESOURCESAT-2, YOUTHSAT and X-SAT by PSLV-C16 (April 20, 2011)



Launch of GSAT-8 by Ariane 5 (May 21, 2011)



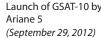
Launch of GSAT-12 by PSLV-C17 (July 15, 2011)



Launch of Megha-Tropiques, SRMSat, Jugnu and Vessel-Sat-1 by PSLV-C18 (October 12, 2011)

Megha-Tropiques is an Indo-French joint satellite mission









SARAL

Launch of SARAL and six commercial payloads by PSLV-C20 (February 25, 2013)

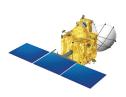


Launch of IRNSS-1A by PSLV-C22 (July 1, 2013)



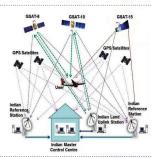
Launch of INSAT-3D by Ariane 5 (July 26, 2013)

Launch of GSAT-7 by Ariane 5 (August 30, 2013)



Launch of MARS ORBITER MISSION by PSLV-C25 (November 5, 2013)

Operationalized GPSaided GEO augmented navigation (GAGAN), India's satellite-based augmentation system, enhancing GPS accuracy for aviation and navigation across the Indian region



### 2014

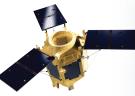


GSAT-14

Launch of GSAT-14 by GSLV-D5 with first successfull indigenous CUS (January 05, 2014)



Launch of IRNSS-1B by PSLV-C24 (April 04, 2014)



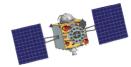
SPOT-7

Launch of SPOT-7, AISAT, NLS 7.1, NLS 7.2 and VELOX-1 by PSLV-C23 (June 30, 2014)



Mars Orbiter Spacecraft successfully enters into an orbit around planet Mars (September 24, 2014)

India became the first country to successfully enter Mars orbit on its maiden attempt with Mars Orbiter Mission



IRNSS-1C

Launch of IRNSS-1C by PSLV-C26 (October 16, 2014)



Febraury 01, 2014: ISRO Propulsion Complex (IPRC) was formed.





Launch of GSAT-16 by Ariane 5 . (December 7, 2014)



LVM3-X/CARE mission successfully tested the Crew Module Atmospheric Re-entry Experiment, a critical step toward India's human spaceflight program, Gaganyaan. (December 18, 2014)



# *2015*

Mr A S Kiran Kumar takes over as Secretary, Department of





Launch of IRNSS-1D by PSLV-C27 (March 28, 2015)

IRNSS-1D

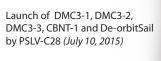


DMC3-1



DMC3-2

DMC3-3





GSAT-6

Launch of GSAT-6 by GSLV-D6 with indigenous cryogenic upper stage (August 27, 2015)

September 07, 2015 - National Meet on "Promoting Space Technology based Tools and Applications in Governance and Development" was organised at New Delhi.









observatory (September 28, 2015)

(Dec 16, 2015)



Conducted first successful hot test of the CE-20 engine (February 19, 2016)





IRNSS-1G

Launch of IRNSS-1G by PSLV-C33 (April 28, 2016)



NAVIC constellation was completed with the successful launch of IRNSS-1G





Series Satellite

Launch of Cartosat-2 Series Satellite, Sathyabamasat, Swayam, Lapan-A3, Biros, M3MSat, SkySat Gen2-1, GHGSat-D and Dove Satellites (Twelve) by PSLV-C34 (June 22, 2016)



Successful flight test of ISRO's **SCRAMJET Engine** Technology Demonstrator (August 28, 2016)











Launch of a total of 104 satellites including India's Cartosat-2 Series Satellite as well as ISRO Nanosatellite-1 and 2 along with 101 satellites from abroad by PSLV-C37 (February 15, 2017)

Achieved a world record by successfully launching 104 satellites in a single mission







Launch of Cartosat-2 Series Satellite along with 30 co-passenger satellites by PSLV-C38 (June 23, 2017)



Launch of GSAT-17 by Ariane 5 (June 29, 2017)



*2018* 



CARTOSAT-2 Series Satellite



Microsat Satellite



INS-1C

Launch of Cartosat-2 Series Satellite along with 30 co-passenger satellites including India's INS-IC and Mircosat by PSLV-C40 (*January 12, 2018*)

Dr. K Sivan takes over as Secretary, Department of Space and Chairman, ISRO. (January 14, 2018)





GSAT-6A

Launch of GSAT-6A by GSLV-F08 with indigenous cryogenic upper stage (March 29, 2018)





IRNSS-1I

Launch of IRNSS-1I by PSLV-C41 (April 12, 2018)





Pad Abort Test (PAT) -Demonstration of Crew Escape System during exigency condition arising on the ground (July 05, 2018)





Launch of NovaSAR and S1-4 of UK by PSLV-C42 (September 16, 2018)

GSAT-29

Launch of GSAT-29 by GSLV MkIII-D2 (November 14, 2018)

HysIS

by PSLV-C43 (November 29, 2018)

Launch of HysIS and 30 International Customer satellites



2019

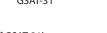
**Human Space** Flight Centre (HSFC) was formed. (07 Jan, 2019)





Launch of Microsat-R and Kalamsat-V2 by PSLV-C44 (January 24, 2019)







NewSpace India Limited (NSIL) incorporated (under the Companies Act, 2013) (March 06, 2019)







Launch of RISAT-2B by PSLV-C46 (May 22, 2019)



Launch of Chandrayaan-2 by GSLV MkIII-M1 (July 22, 2019). Successful **Lunar Orbit Insertion** of Chandrayaan-2 (August 20, 2019)

Chandrayaan-2 featured one of the world's best lunar high-resolution cameras, capturing unprecedented images of the Moon's surface



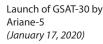


Launch of Amazonia-1 satellite by PSLV-C51 (February 28, 2021)

- First dedicated launch of NSIL

RISAT-2BR1

Successful Launch of RISAT-2BR1 and 9 international satellites by PSLV-C48 (December 11, 2019)





Indian National Space Promotion and Authorisation Centre (IN-SPACe) was created as an autonomous agency under DoS (June 2020)



Successful Launch of EOS-01 and 9 international satellites by PSLV-C49 (November 07, 2020)

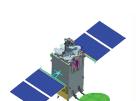




CMS-01

Launch of CMS-01 satellite by PSLV-C50 (December 17, 2020)





GSAT-11

Launch of GSAT-11by Ariane

5 (December 05, 2018)

GSAT-7A

Launch of GSAT-7A by GSLV-F11 (December 19, 2018)





Cartosat-3 and 13 international customer satellites successfully launched by PSLV-C47 (November 27, 2019)





Launch of EOS-03 mission by GSLV-F10 (August 12, 2021) Satellite could not be placed in orbit.



2022

as Secretary, Department of

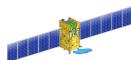


Dr. S. Somanath takes over Space and Chairman, ISRO (January 14, 2022)



EOS-04

Launch of EOS-04 Mission by PSLV-C52 (February 14, 2022)



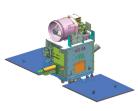
GSAT-24

Launch of GSAT-24 through Ariane 5 (June 22, 2022)

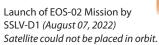


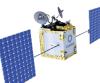
DS-EO

Launch of DS-EO satellite by PSLV-C53 (June 30, 2022)



EOS-02







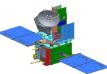
Launch of OneWeb India-1 Satellites (36 nos) by LVM3-M2 (October 23, 2022)

Launched Vikram-S, a suborbital launch vehicle from M/s Skyroot Aerospace Pvt. Ltd. (November 18, 2022) the first launch of a launch vehicle built by a private company in India



First private launchpad and mission control centre was established by M/s Agnikul within the ISRO campus (November 25, 2022)





EOS-06

Launch of EOS-06 Satellite by PSLV-C54 (November 26, 2022)







EOS-07

Launch of EOS-07 Mission by SSLV-D2 (February 10, 2023)



OneWeb India-2

Launch of OneWeb India-2 Satellites by LVM3-M3 (March 26, 2023)



Reusable Launch Vehicle Autonomous Landing Mission (RLV LEX-01) was conducted (April 2, 2023)

Successfully completed qualification of human rated L110-G Vikas Engine for Gaganyaan programme (Apr 6, 2023)





TeLEOS-2

Successful Launch of TeLEOS-2 Mission by PSLV-C55 (April 22, 2023)





Successfully completed the static test of a human-rated solid rocket booster (HS200) for the Gaganyaan Programme (May 13, 2022)



Launch of NVS-01 Mission by GSLV-F12 (May 29, 2023)



First Indian navigation satellite to carry an indigenously developed rubidium atomic clock



Chandrayaan-3



Successful Launch of Chandrayaan-3 Mission by LVM3-M4 (July 14, 2023)



Launch of DS-SAR Mission by PSLV-C56 (July 30, 2023)



Chandrayaan-3 became the first mission in the world to have successfully landed near the Moon's south pole, marking a historic milestone for space exploration



Hon'ble Prime Minister Narendra Modi declared August 23 as National Space Day and named the Chandrayaan-3 landing site 'Shiv Shakti Point,' celebrating India's historic lunar triumph. (23 August, 2023)



Aditya-L1



Launch of Aditya-L1 satellite by PSLV-C57 (September 02, 2023)

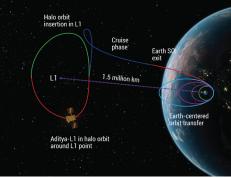




2024







Aditya-L1 reached its halo orbit at Sun-Earth L1, making India the fourth country to study the Sun from space with its first dedicated solar observatory. (January 6, 2024)



Accomplished human rating of CE20 cryogenic engine for Gaganyaan missions with completion of final round of ground qualification tests (February 13, 2024)



INSAT-3DS

Launch of INSAT-3DS Mission by GSLV-F14 (February 17, 2024)



Hon'ble Prime Minister reveals to the nation Four astronaut designates for the Gaganyaan mission and bestowed the wing patches on them (February 27, 2024)



Hon'ble Prime Minister Shri. Narendra Modi inaugurated ISRO's Trisonic Wind Tunnel at VSSC, Semi-cryogenic Integrated Engine & Stage Test Facility at IPRC Mahendragiri, and PSLV Integration Facilities at SDSC SHAR. (February 27, 2024)

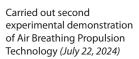


Honorable Prime Minister Lays the Foundation Stone for India's Second Spaceport at Kulasekarapattinam, Tamil Nadu and a sounding rocket was successfully launched from the launch station. (February 28, 2024)



Successfully conducted Reusable Launch Vehicle Autonomous Landing Mission (RLV LEX-02 & 03) landing experiments on March 22, 2024 & June 23 of 2024

Agnikul Cosmos successfully launched its Agnibaan SOrTeD (Suborbital Technology Demonstrator) rocket from Sriharikota (May 30, 2024).





Successful Launch of EOS-08 satellite by SSLV-D3. With this launch, development of SSLV was completed. (August 16, 2024)





ESA's Proba-3 Launch of ESA's Proba-3 Satellite by PSLV-C59 (December 05, 2024)



Launch of SpaDeX satellites by PSLV-C60 (December 30, 2024)



Dr. V. Narayanan takes over as Secretary, Department of Space and Chairman, ISRO. (January 13, 2025)

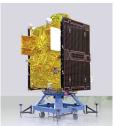


ISRO successfully completed docking of two SPADEX satellites (January 16, 2025)



Successfully carried out the demonstration of restarting Vikas liquid engine (January 17, 2025)







Launch of NVS-02 satellite by GSLV-F15 (January 29, 2025)

ISRO achieved its historic 100th launch from India's Spaceport Sriharikota





Successfully tested the restart of CE20 cryogenic engine in vaccum conditions (Febrauary 7, 2025)





ISRO successfully completed undocking of two SPADEX satellites (March 13, 2025)



ISRO successfully completes 1000hrs Life Test of Stationary Plasma Thruster for Spacecraft Electric **Propulsion System** (March 27, 2025)

ISRO's SpaDeX mission successfully demonstrated circum navigation, with one satellite orbiting the other (March 28, 2025)



Multiple Short duration hot tests of the Semi cryogenic Engine were successfully conducted. (March-July, 2025)



Launch of EOS-09 satellite by PSLV-C61 (May 18, 2025) Satellite could not be placed in orbit.



June 25, 2025 - Shubhanshu Shukla, India's second astronaut, embarked on the historic Axiom-4 mission to the ISS, marking India's return to human spaceflight after 41 years.



Human Space Flight Centre (HSFC) campus at Devanahalli was inaugurated by Dr. V. Narayanan, Secretary, DOS / Chairman, ISRO. (July 10, 2025)

