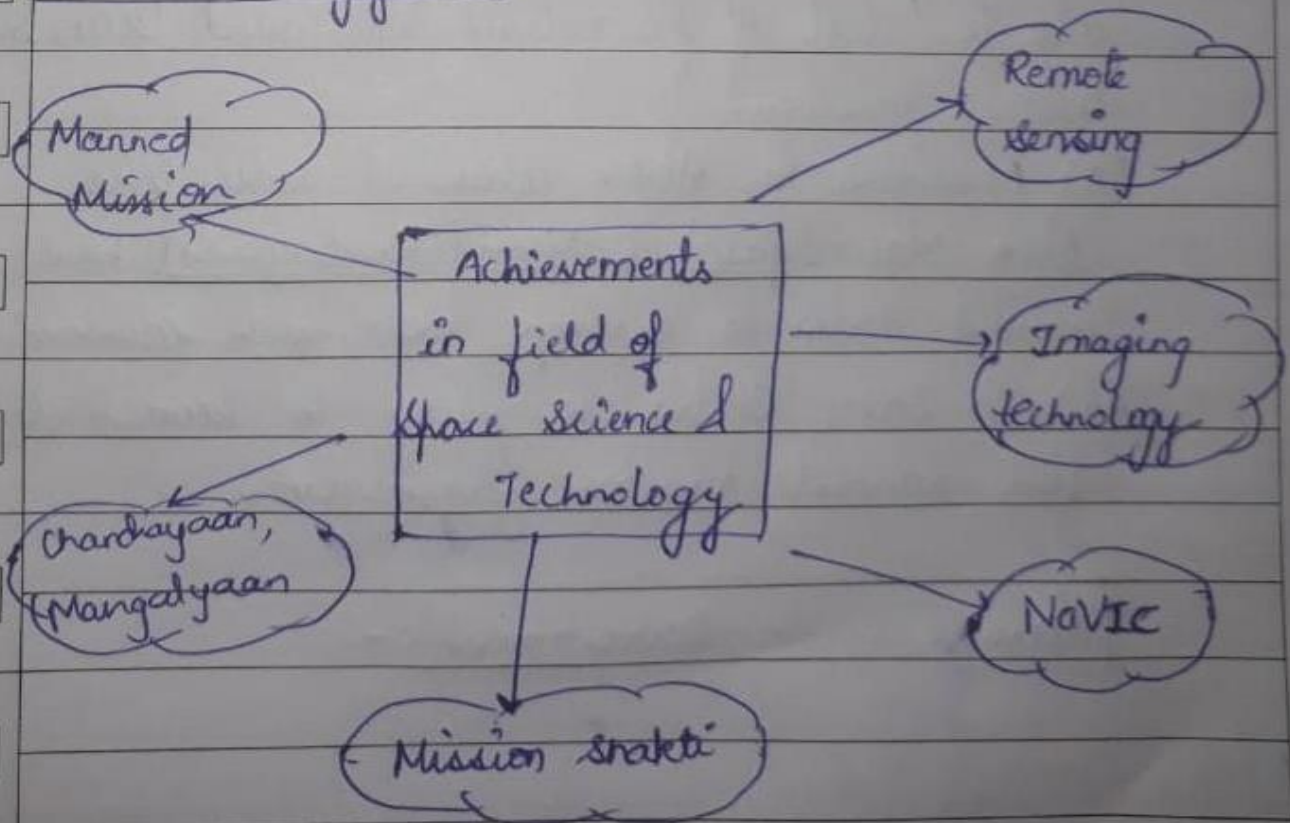


Q. Discuss India's achievements in the field of space science and Technology. How the application of this technology has helped India in its socio-economic development? (250 words)

A. 'PAINT THE SKY, MAKE IT YOURS', and so is applied by India. With its own space agency the Indian Space and Research Organisation, it is taking great leap forward in field of space. From its first artificial satellite Aryabhata to its latest Chandrayaan-2, Cartosat-3 India seems to be adding feathers to its hat.

Achievements in the field of space science and technology are:-



(1) Remote sensing and National resource management:-
With a network of 11 Remote sensing satellites, ^{one of} largest in world, it helps in weather forecasting and finding mineral and natural resources. Example - RIAT-1

(2) India's Navigation System:-
Indian Regional Navigation Satellite System (IRNSS), NAVIC is a navigation system similar to USA's GPS.

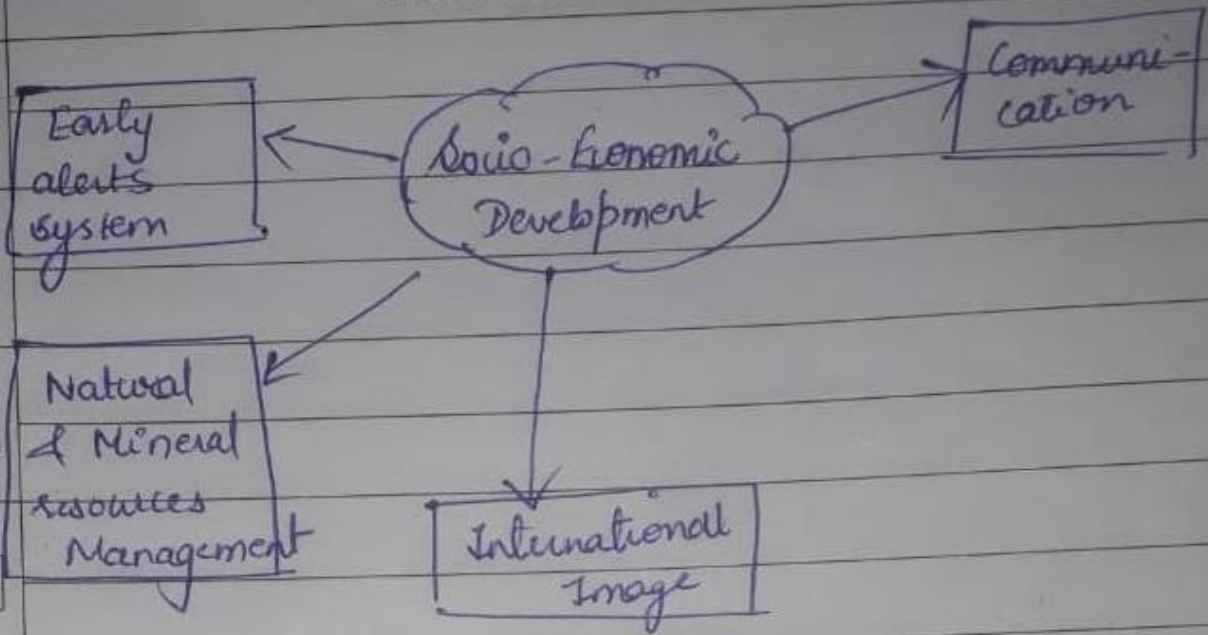
(3) Imaging Technology:-
With sharpest eye Cartosat 3, launched in 2019, new large scale urban planning, ruural resource management and infrastructure development have become easier.

(4) Mission Shakti:-
India's first anti missile ^{mission} ~~system~~, added into to list of few nations, who could launch such a mission.

(5) Missions to other celestial bodies like Mars (Mangalyaan) & Moon (Chandrayaan) have inspired India to develop more such missions.

(6) In 2021, India is going to launch its first manned mission Gaganyaan.

Socio-Economic Development:-



- (1) New Natural and mineral resources can be discovered and managed easily.
- (2) It has enhanced communication technology and brought India in par with other super powers.
- (3) Better prediction of weather, and natural disasters has helped reduced losses to crop, livelihoods and nation as a whole.
- (4) It has enhanced India's image in terms of space technology.

Though, the space Science and Technology is improving and reaching new heights, better research and development along with involvement of private players can turn down the SKY AS A LIMIT.