

## Mr. Jayaram Kolangara

---

Mr. Jayaram Kolangara has depicted multi-faceted expertise in Satellite Communication Systems as an indispensable community member of the Indian Space Research Organization (ISRO). His 40-year scientific experience spans conceptualization, realization and operations of critical sitcom ground systems, networks, and associated infrastructure of the Indian National Satellite System (INSAT).

Between 1982 and 2018, Mr. Kolangara dedicated his expertise in satellite systems towards:

1. Management of INSAT 1A, 1B, 1C and 1D spacecraft LEOP and in-orbit operations.
2. Conceptualization, engineering, installation, and commissioning of a series of satellite communication earth stations for Telemetry, Telecommand, Tracking and Ranging (TTT&R).
3. Operations and upkeep of International Satcom Gateway ground communication equipment.
4. INSAT space segment operations, service benchmarking , interference monitoring, and mitigation.
5. Operational mandates of user services in the INSAT system transponders.
6. Commercial exploitation of INSAT ground segment infrastructure to support international satellite LEOP operations.

As Deputy Director of ISRO's Special Projects Division, Mr. Jayaram Kolangara spearheaded space system conceptualization and development proposals for dedicated communication, navigation, and remote sensing applications. He was also the ideator and propagator of intensive training programs for the INSAT User Community during his 5-year tenure as ISRO's Division Head – User Interface and Commercial Services.

Prior to his exponential scientific achievements in ISRO, Mr. Jayaram Kolangara developed telecommunication signalling equipment for International Telephony at Overseas Communications Services.

---