



Estd : 1986

||Jai Sri Gurudev||  
Sri Adichunchanagiri Shikshana Trust (R.)  
**SJC INSTITUTE OF TECHNOLOGY**  
An Autonomous Institution under VTU from 2024-25  
AICTE Approved, Accredited by NAAC with A+ Grade & NBA (CSE, ISE, ECE, ME, CV & AE), Gold Rated by QS I-Gauge  
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## Bridging Space and Earth: SJCIT's BGS ARPIT Made a Part of SpaDeX Mission of ISRO

With the divine blessings of His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji, it gives me immense pleasure to share that SJCIT's BGS-ARPIT Payload is ready to launch on-board PSLV C-60, POEM-4 ISRO's SpaDeX mission. All the checks are done and now waiting for the launch which is scheduled as of now on 30<sup>th</sup> December @ 9.58pm.

SJCIT's "BGS ARPIT (Amateur Radio Payload for Information Transmission)" by SJCIT empowers student-led innovation, enabling space communication experiments in ISRO's SpaDeX mission. Bridging academia, spirituality, and space exploration. *This initiative is the result of collaboration between the SJC Institute of Technology and the Upagraha Amateur Radio Club (UpARC) and AMSAT at ISRO's UR Rao Satellite Centre.*

The BGS ARPIT payload, developed by the students of the SJC Institute of Technology, Chikkaballapur, under the ambit of Sri Adichunchanagiri Shikshana Trust of Sri Adichunchanagiri Mahasamsthana Math in Karnataka, represents a significant leap in India's space exploration journey. As part of the PSLV-C60 Space Docking Experiment (SpaDeX) mission, this ground-breaking innovation emphasises the growing role of academia in the nation's space sector and demonstrates the capability of Indian students to contribute to cutting-edge space research.

The BGS ARPIT payload serves as a platform for student-led experimentation and supports amateur radio communication, showcasing the innovative contributions of students to space-based communication technologies. The BGS ARPIT payload is a multi-mode message transmitter capable of sending audio, text and images from space to Earth using FM signals in the VHF frequency band. It supports global amateur radio services, enabling students and researchers to experiment with space-based communication systems. This payload not only showcases the technical prowess of Indian students, but also underscores their potential in advancing the country's ambitious space programmes. With the divine blessings of His Holiness Jagadguru Padmabhushana Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji, The SJC Institute of Technology, established in 1986 under the Sri Adichunchanagiri Shikshana Trust, reflects its parent organization's vision of fostering innovation and technical excellence. Spearheaded by His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji, the 72<sup>nd</sup> Pontiff and the President of SAST. The trust manages more than 516 educational institutions across Karnataka. The participation of SJCIT students in this mission embodies this vision, inspiring the next generation of space scientists and engineers.



[https://www.isro.gov.in/POEM\\_4\\_Payloads\\_spadex.html](https://www.isro.gov.in/POEM_4_Payloads_spadex.html)

[https://www.isro.gov.in/mission\\_spadex\\_Gallery.html](https://www.isro.gov.in/mission_spadex_Gallery.html)

<https://www.dnaindia.com/science/report-bridging-space-and-earth-adichunchanagiri-s-bgs-arpit-made-a-part-of-spadex-mission-3124223>

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