

**Ongoing Projects under Space Technology Incubation Centre
(As of December 2024)**

NIT Rourkela, Rourkela

Sl. No.	Title of the Project
1.	Design & Development of active RF, microwave and mm-wave circuits
2.	Design and development of Magneto Resistive Heat Switch
3.	Development of multi-arm Toothed Log-periodic Antenna for Geodetic grade Multi GNSS
4.	Integrated Information System for Agriculture Monitoring and Crop Insurance

NIT Jalandhar

Sl. No.	Title of the Project
1.	Design & Development of RF and Microwave Components (Passive Components)
2.	Development of a UV-assisted 3D Printing System for PCB Manufacturing
3.	Development of NavIC based Asset Tracking system
4.	FPGA based High Speed CCSDS Processor for Baseband Receiver
5.	Improving the Conductive Heat Transfer Efficiency of Thermal Base Plate inside a Thermal Vacuum Chamber

NIT Trichy

Sl. No.	Title of the Project
1.	Additive manufacturing of Carbon allotropes based Invar composite for Aerospace applications
2.	Development of Ammonia based Flexible Heat Pipe for Space Applications

VNIT Nagpur

Sl. No.	Title of the Project
1.	Design and development of Thermal Ribbon Temperature Sensor
2.	Development of Photodetector for low intensity light levels in UV/VIS/IR wavelength regions
3.	Safe Ship Navigation