

भारत अंतरिक्ष अकादमी

अंतरिक्ष शिक्षा विभाग (आईएसडब्ल्यू)

बी ए/14 बी जनकपुरी

नई दिल्ली – 110058, भारत

दूरभाष संख्या : 011-44749707, 8130317917

ईमेल: info@isa.ac.in, contact@isa.ac.in

वेबसाइट: www.isa.ac.in



India Space Academy

Department of Space Education (ISW)

BA/ 14 B Janakpuri

New Delhi - 110058, India

Telephone no: 011-44749707, 8130317917

Email : info@isa.ac.in, contact@isa.ac.in

Website: www.isa.ac.in

Internship Completion Letter

Admission No.- 554265

To,
SHAMANTHAK REDDY MALLU
BITS PILANI HYDERABAD

Subject: Confirmation of Completion of Internship and Project Report Submission.

Dear Candidate,

This letter confirms successful completion of Four Weeks of internship of SHAMANTHAK REDDY MALLU with India Space Academy. He/She interned as an "Astronomy & Astrophysics Intern" in our Summer School from 2nd June 2025 to 2nd July 2025. During this period he/she was involved in training and project work of Data Driven Astronomy.

We wish you all the best in your future endeavours and career pursuits. We are confident that the skills and experience you gained here will serve you well.

He/She successfully completed and submitted the report of the following project (s):

- **Estimating the Dynamical Mass of a Galaxy Cluster:** This project utilizes spectroscopic data from the Sloan Digital Sky Survey (SDSS) to identify cluster member galaxies, calculate their velocity dispersion and spatial extent, and estimate the total dynamical mass of the cluster. The analysis compares this mass with the luminous mass to explore the presence of dark matter.
- **Supernova Cosmology:** This project uses Type Ia supernovae data to estimate the Hubble constant (H_0), compare it with Planck18 measurements, and explore the expansion history of the Universe through redshift-distance relations and residual analysis.

Best regards,


निदेशक/Director
भारत अंतरिक्ष अकादमी/India Space Academy
नई दिल्ली/New Delhi
भविष्य

निदेशक कार्यालय/Director Office
भारत अंतरिक्ष अकादमी/India Space Academy