अंतरिक्ष उपयोग केंद्र (सैक) और विकास एवं शैक्षिक संचार यूनिट (डेकू) भारतीय अंतरिक्ष अनुसंधान संगठन, अहमदाबाद







Space Applications Centre (SAC) &
Development & Educational Communication Unit (DECU)
Indian Space Research Organisation, Ahmedabad









Azadi Ka Amrit Mahotsav (AKAM) Celebration of 75th Anniversary of India's Independence

by
Space Applications Centre (SAC), ISRO, Ahmedabad
in Outreach Coordination with
Gujarat Council on Science & Technology (GujCOST), Gandhinagar

Popular Talks on Exploring our Neighborhood beyond Planet Earth

Program Schedule: Sep 17, 2021 at 10:30 – 12:30 hrs



















Pankaj S Joshi

Sep 17, 2021

Recent Developments

- * Many Research Papers Now, from Top Academic Places including Cambridge, Perimeter, Princeton... on Formation of Visible Singularities in Gravitational Collapse
 - * The Indian Work well-cited, discussed, and found Intriguing and is Confirmed, Even as debates go on...
- * In fact, Many people now ask: OK, let them both exist, but then,

What are the Observational Signatures, What shall we see out there in the Skies?

manufactured (Spinish as

DS











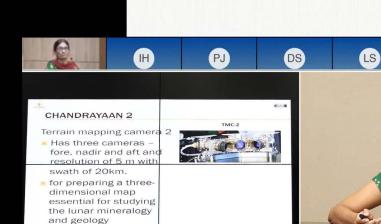


The fate of a star depends on its mass

ASTROSAT

- ★ Scanning sky monitor
 - + Scan large portion of sky away from sun to look at any transient behavior in X ray source
 - + Indicator for other instruments











Objective of Planetary Data Processing

To Provide the data products from science Payloads of Planetary missions to the scientific community in User friendly format & according to global data standards

Application of Data Products for Planetary Exploration

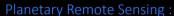
- · Planet Formation (Age / Temporal Evolution)
- · Current Surface and Interior
- Water / Water Ice
- · Human Settlement/Base on Planet
- · Space Tourism, Mining, Platform to reach Other Planets











- Terrain - Composition
- Radioactivity
- Gravity
- Level of Exposure to Space &
- Landing hazards

- Composition

















