



EVENT REPORT

# SPACE TALK

GCET ISA Student's Branch

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The poster is set against a dark blue background with a starry pattern. It features the GCET logo in the top left, the ISA GCET Student Branch logo in the top center, and the CVM University logo in the top right. A circular portrait of Roger Hunter is on the left. The text 'SPACE TALK' is prominently displayed in the center, followed by 'with Roger Hunter' and 'Program Manager at NASA'. The NASA logo is to the right. Contact information for Dishant Panchal and Bhavin Makwana is listed on the bottom left, and the event details (Date, Time, Platform) are on the bottom right. The footer identifies the host as G H Patel College of Engineering & Technology, a constituent college of CVM University.

**SPACE TALK**  
with  
**Roger Hunter**  
Program Manager at NASA

**DATE:** 2 August 2020  
**Time:** 9:00 AM (IST)  
**Platform:** MS Teams

**For any queries:**  
Dishant Panchal (+91 97235 66636)  
Bhavin Makwana (+91 63559 28884)

G H Patel College of Engineering & Technology  
( A Constituent College of CVM University )

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## Introduction

The GCET ISA Students' Branch and The ISA Gujarat Section had organized a state-level webinar in which we had Mr. Roger Hunter, a Project Manager at National Aeronautics and Space Administration (NASA) as the Guest Speaker.

The topic for this webinar was 'SPACE TALK'.

This webinar took place on 2<sup>nd</sup> August 2020 from 9 am IST (8:30 pm Pacific Time) to 11 pm IST (10:30 pm Pacific Time) on the worldwide appreciated and user-friendly platform, Microsoft Teams.

A total of 294 participants registered for the event.

The student coordinators of the webinar were Dishant Panchal and Bhavin Makwana.

## About the Speaker

Mr. Roger Hunter; a scientist and Project manager at NASA. Colonel Hunter holds a Bachelor of Science in Mathematics from the University of Georgia; a Master of Science in Space Operations and Physics from the US Air Force Institute of Technology; and a Master of Airpower Art and Science from the US Air Force School of Advanced Airpower Studies. He is also a graduate of the US Air Force War College, and US Air Force Air Command and Staff College.

Colonel Hunter has over 40 year of experience in Department of defence, commercial & government space mission. He has served as Project manager for several important US national missions, including the Global Positioning System, Clementine II /XSS-10, the NASA Kepler mission, and NASA small spacecraft technology program.

He has immense experience in space systems' operations, development and acquisitions, maintenance and sustainment.

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## About the webinar

Over 90 students and professors had joined the webinar on 2<sup>nd</sup> August, 2020, for a ride of space with the description of various NASA's upcoming and existing Space projects which also included the Crew Dragon spaceship which recently landed in the Gulf of Mexico on 3<sup>rd</sup> August, 2020.

Many attendees raised their doubts and Mr. Hunter answered all queries, during this 2hr session. Mr. Hunter focused on the upcoming NASA Mars mission 2020, Telescopic mission, etc.

He began the session with the detailed description of the forthcoming opportunities and programs of NASA claiming the Mars 2020 mission, the NASA's Small Spacecraft Activities which included Space Technology, Exploration and Science.

Continuing the session ahead, he introduced many of the new and forthcoming Missions such as the Upcoming U-Class Technology Demonstration Mission which consists of the Pathfinder Technology Demonstrator (PTD), the CubeSat Proximity Operations Demonstrations (CPOD), Advanced Composites Based Solar Sail (ACS3), Starling Distributed Spacecraft Mission, CubeSat Laser Intersatellite Crosslink (CLICK) and V-R3x.

Col. Hunter included many snapshots and information about the recently concluded Kepler mission which was governed by him. It included the animation of identified Kepler planets and their infield view.

With some of the visuals of how the forthcoming missions and Technology would evolve were discussed by raising doubts on it. There took place a comparison between how the first space shuttle i.e. APOLLO 4 (1967) looked in terms of technology and seating space and arrangements and how the recently visiting space shuttle Crew Dragon (2020) evolved in terms of Technology advancement and facilities.

Mr. Hunter concluded the session with a dazzling and sensational night view satellite images of the Indian Subcontinent with some dazzling sparkles of light flowing through the entire country.

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With the efforts, guidance and team work from,

Dr. Jatin Patel (Faculty Co-Ordinator)

Harshil Mistry (President, GCET ISA SB)

Rushi Patel (Vice-President, GCET ISA SB)

Bhargav Patel (Secretary, GCET ISA SB)

Aaush Bhardwaj Singh (Joint Secretary, GCET ISA SB)

Vibhuti Patel (Treasurer, GCET ISA SB)

Bhavin Makwana (Executive Chair, GCET ISA SB)

Jay Rana (Logistics Chair, GCET ISA SB)

Dishant Panchal (Marketing Chair, GCET ISA SB)

Vrund Thakkar (Marketing Chair, GCET ISA SB)

Smeet Shah (Program Chair, GCET ISA SB)

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Jeet Chaliawala (Documentation Chair, GCET ISA SB)

Amushraza Pathan (Documentation Chair, GCET ISA SB)

Devansh Tadhani (Graphics Design Chair, GCET ISA SB)

Honey Agarwal (Membership Chair, GCET ISA)

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# Snapshots from the Stream

