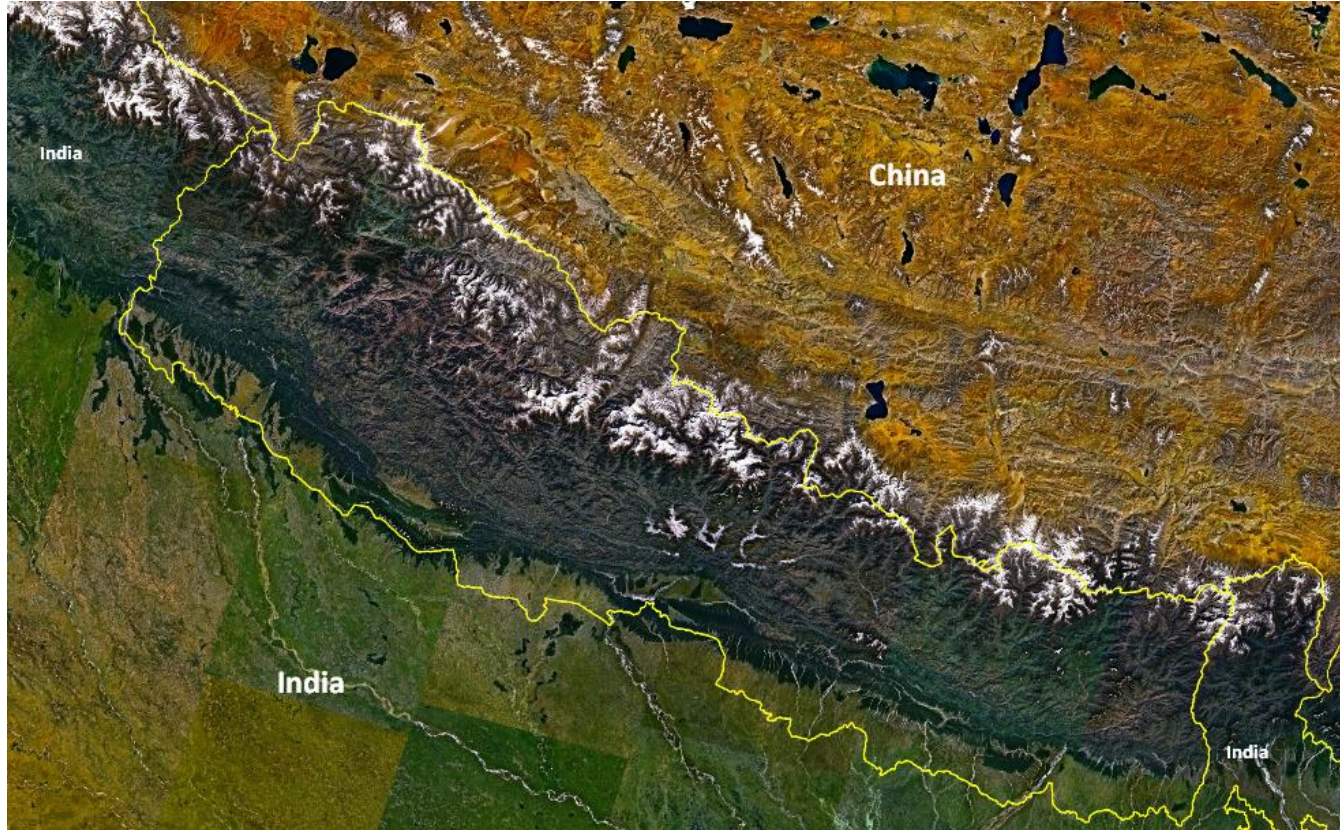


The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the frame, creating a modern, layered effect. The central area is a plain white space where the text is placed.

Abinish Kumar Dutta

Nepal

# Nepal



NASA Landsat 7 image of Nepal

# Self-introduction

## Background

<u>Degree</u>	<u>Institution</u>
<u>School Leaving Certificate (SLC)</u>	<u>Gyankunj Academy Secondary Boarding School, Gauriganj-5, Jhapa, Nepal (SLC, 2008)</u>
<u>Intermediate of Science (Proficiency Certificate Level)</u>	<u>St. Xavier's College, Maitighar, Kathmandu, Nepal (Proficiency Certificate Level, 2010)</u>
<u>Bachelor of Engineering</u>	<u>Kathmandu University ( School of Engineering) BE, Mechanical Engineering (2013 – 2017)</u>

# Awards and Achievements

Year and Occasion	Status	Award	Awarder
2009 (International Year of Astronomy)	Winner ( with a certificate from NASA's JPL)	NASA JPL Cassini Scientist For A Day Contest	NASA Jet Propulsion Laboratory (JPL)
2017 (68 <sup>th</sup> International Astronautical Congress, Australia)	Winner (Grantee)	Emerging Space Leader (ESL)	International Astronautical Federation (IAF)
2007 (an awarding function)	Honour	Literary Award	Gyankunj Academy S.B.S.
2016 (a grant competition)	Grantee	Abishkar Fellowship	ISET, Nepal

# Current Research

- Aerothermodynamics of Scramjet Propulsion for SSTO flight
- 
- Active Deorbitation of Nanosatellite Cluster Using Mini-Magnetospheric Interference of Plasma Magnets with Magnetorquers
  - Stochastic Multiobjective Optimization of Collision-Avoidance and Attitude-Synchronization for Spacecraft Formation Using Evolutionary Algorithms

# Introduction to ORION Space

- Established in 2015
- Founder - Mr. Rakesh Chandra Prajapati (CLTP - 7 Participant)
- My role: Project manager
- Promotes:
  - Space Education
  - Workforce and Space technology development (especially Nano/Pico Satellites)
- Gradual approach (Crawl, Walk, Run, Fly and Launch)



# The Big-Picture

