



BVRIT HYDERABAD College of Engineering for Women

AUTONOMOUS

(Approved by AICTE, Affiliated to JNTUH)

(Accredited by NBA – EEE, ECE, CSE & IT and NAAC with ‘A’ Grade)

Event Name: Guest Lecture on New Space Economy – Readiness

Date (s) of Conduction: 10th October 2023

Name of the Resource Person with Details (if any)

Mr. M. Avinash, Vice-President, University Space Missions Dhruva Space Pvt.
Ltd, Hyderabad.

No. of Participants: 136 Students

Organized by: Department of Electronics and Communication Engineering, BVRIT HYDERABAD College of Engineering for Women.

About the Event

Full Stack Space
deployment Build,
Launch, Operate

Types of Antennas at Earth Station
Standalone Antenna Systems, LEO telemetry tracking stations, High data rate
receiving stations

Ground Stations
VHF / UHF Earth Station, High fidelity station

Satellite Platforms
Cubesat, Nanosat,
Microsat

Satellite Deployers
1U, 3U, 12U
deployer

Importance of space
Economic opportunity, Survival/Legacy, National Security, Enhanced Diplomacy,
Education and Training, Sovereign Expansion, Technology Development,
International Leadership, Environmental Experience, Terrestrial services

Space Value
Chain Upstream,
Downstream


New Space Economy - Top 10 trends


Miniaturized satellites, Advanced space manufacturing, Advanced communication, Space traffic and transportation management, Smart propulsion, Space mission, Space Mining Space-based activity management, LEO satellites Space Data

Photos:




Dr V Santhosh Kumar


Dr J Naga Vishnu Vardhan


Dr. Anwar Bhasha Pattan

