

DEPARTMENT OF AERONAUTICAL ENGINEERING

Seminar on Space Flight Mechanics and Launch Vehicles

Date: 19th Feb 2013.

A one-day Seminar on “Space Flight Mechanics & Launch Vehicles” was held on 19th February 2013 at MVJ College of Engineering. Totally 60 students were participated in this seminar. The Inauguration ceremony of the Seminar was marked by the gracious presence of Padma Shri Dr. R M Vasagam, Chairman NDRF & Padma Shri Dr. T K Alex ,Former Vice Chancellor of Anna University, Dr. Vikram Sarabhai Distinguished Professor & Member Space Commission, ISRO HQ & Ex-Director ISRO Satellite Centre, Bangalore. Dr. K S Badarinarayan, Principal, MVJ College of Engineering welcomed the delegate Speakers.

Dr. Vasagam in his Inaugural Speech spoke about the current scenario of Space Technologies in India and highlighted the growth potential in this sector. Dr. T K Alex spoke about the Flight Dynamics for Mars Mission. He explained the trajectories & orbital mechanics links, transfer orbits and orbit insertion. Shri. B K Venkataramu, Associate Director, LPSC gave an introduction to Launch Vehicles & Spacecraft Propulsion for SLV, ASLV, PSLV and GSLV. He briefed on future propulsive systems. Subsequently, Dr. G Nagendra Rao from LEOS spoke on Electro Optical Instrumentation for Spacecraft. He covered instruments for remote sensing and satellite and optical navigation.

In the afternoon session, Shri. Rajindra Singh Byali, Head PMD, ISAC delivered a talk on Satellite Systems including aspects involving qualification testing. Later there was a lecture on Low Earth Orbit Satellite by Shri B N Ramakrishna of ISTRAC. He talked about the Orbital Characteristics, usefulness for a number of applications & limitations and, Space congestion due to Low Earth Orbit Environment.



Seminar on 'Space Flight Mechanics and Launch Vehicles' on 19th Feb 2013 at Smt. Rajalakshmi Jayaraman Seminar Hall, MVCE, Bangalore. Dignitaries, from the left: Dr. K. S. Badarinarayan, Principal, MVJCE, Padma Shri Dr. R. M. Vasagam, Padma Shri Dr. T. K. Alex, Prof. S. C. Gupta, HoD Aeronautical Engineering, MVJCE.

Principal Signature with Seal

Principal
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