

# ExploreTheSpace

Opportunities in Space Sciences -

- Seminars
- Study Tours
- Research

## A Report on “OPPORTUNITIES IN SPACE SCIENCES FOR STUDENTS”

### Quiz Competition and Seminar

Sunday, 23<sup>rd</sup> July 2017

YMIA Hall, Royapettah High Road, Mylapore, Chennai



Winner of the Quiz Competition – Students from Sir Sivaswami Kalalaya  
Senior Secondary School, Mylapore, Chennai

- Space Sciences offers tremendous opportunities for students.
- Students should cultivate interest in mathematics, physics & watching skies.
- We need to encourage the curiosity of school children towards stars and sky.
- An inspired teacher can do wonders in a class-room and with students.
- “Explore The Space”, invites students and institutions to join its mission of spreading awareness on Space Sciences.

“What percent of the solar system's mass does the Sun hold?”; “Where did the Space Programme began in India?”; “Which is India's first Defence satellite?”, were some of the interesting questions asked to a bunch of bright and eager school students at a quiz competition on Space Sciences organised by Explore The Space ( ETS) on 23<sup>rd</sup> July 2017 at YMIA Hall, Chennai. Prof V. Ramamoorthy, Scientist, ISRO ( Retd) and Prof P A Ramakrishna, Professor, Aerospace Engineering, IIT Madras, were the guest speakers.

### **The following Schools Participated in the Quiz Competition -**

- ① Sir Sivaswami Kalalaya Senior Secondary School, ② Gill Adarsh Matriculation Higher Secondary School, Mylapore, ③ PSBB SS School, KK Nagar, ④ D.A.V. Public School, Velachery, ⑤ The Holy Cross Matriculation Higher Secondary School, Valasaravakkam ⑥ C.S.D.A.V. Sec School, Kodambakkam



**Prof. V. Ramamoorthy, Scientist, ISRO (Retd.)  
addressing on “The Great Achievements of ISRO”**

### **Mandate and Mantra of ISRO**

- Application of Space Technology for the benefit of the Common Man is the main mission of ISRO.
- It is mainly to explore the outer atmosphere and to derive benefits for enhancing the quality of life .
- ISRO develops trained quality manpower for peaceful exploration.
- India today runs and maintains its own space program.
- Remarkable benefits are being provided to the common man in timely & Cost-effective fashion.

• Advancement in Space Sciences have given cost effective benefits like remote sensing, earth observation, telecommunication, tele-medicine, tele-education, weather monitoring, resource surveys etc.

### **Highlights of the Presentation by Dr. P A Ramakrishna**

The history of Satellite launching, how there had been many failures of “falling” rockets world over and how a successful system has been build over the years.

- The upcoming launch vehicles.
- The most economical of the many launch vehicles. Future of Aerospace Engineering.
- Capabilities of various Countries in Satellite- launching.
- NASA, Falcon and other related matters.



**Dr. P. A. Ramakrishna, Professor, Aerospace  
Engineering, IIT Madras, Chennai speech on  
“Cost of access to space – How can you Contribute”**

### **Business Opportunities and Jobs in Aerospace**

The Indian Aerospace sector offers huge opportunities – Civil Aviation, Military Aviation and Ground Systems are the three main segments. Several Global Aerospace Companies are looking at India to tap the domestic demand and also to use India's competitive and skilled manufacturing base for global requirements. This has opened up great opportunities in the Aerospace sector in India, both for businesses and jobs.

For more information about the programme, please email : [info@explorespace360.com](mailto:info@explorespace360.com)

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