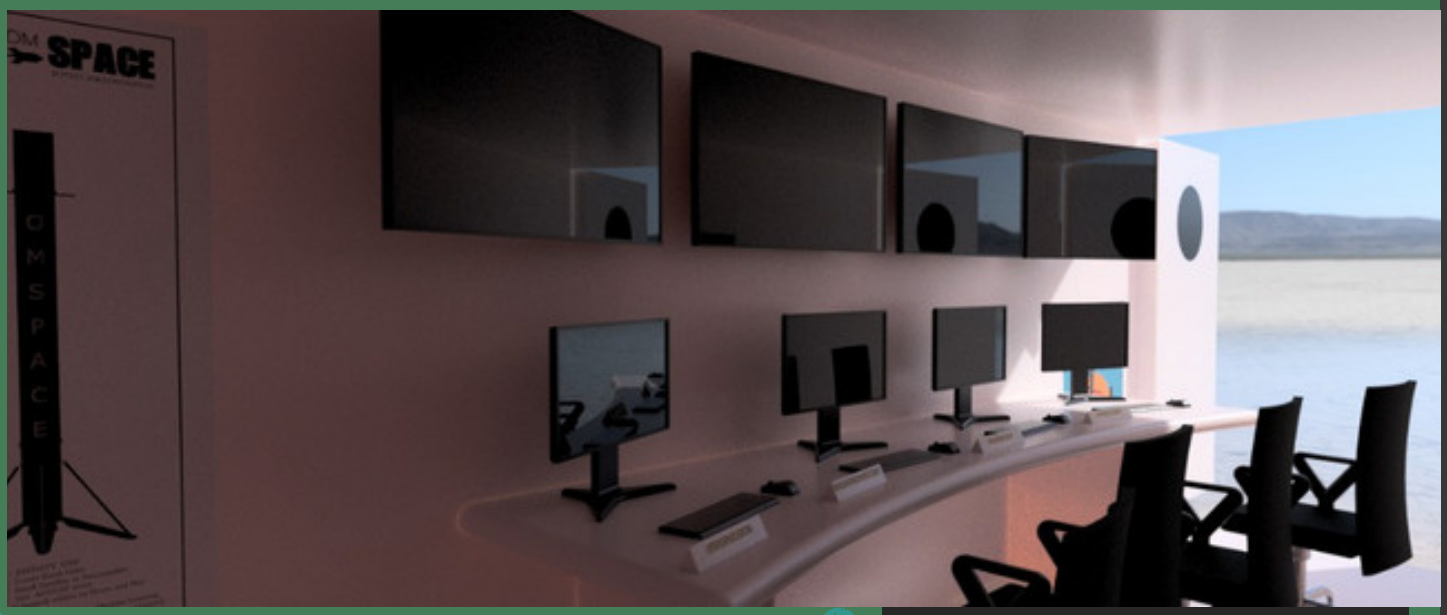
JUNE 30, 2021 VOL. 1 ISSUE 2

WEEKLY NEWSLETTER

OM SPACE
ROCKET AND EXPLORATION

OMSPACE ROCKET AND EXPLORATION PVT LTD

AHMEDABAD, GUJARAT



ABOUT US

- OMSPACE ROCKET AND EXPLORATION PVT. LTD. IS A COMPANY OF SPACE EXPERTS WHO WORK IN THE AEROSPACE & DEFENSE INDUSTRY
- RECOGNIZED BY STARTUP INDIA AND SUPPORTED BY CRADLE-EDII, DST, GOVT OF INDIA, RECOGNIZED BY MINISTRY OF MSME, MINISTRY OF CORPORATE AFFAIRS, DEPARTMENT OF PROMOTION OF INDUSTRY AND INTERNAL TRADE AND MAKE IN INDIA CAMPAIGN
- BUILDING A REUSABLE ELECTRIC ROCKET TO CARRY A PAYLOAD INTO LOWER EARTH ORBIT BY ADOPTING ADVANCED TECHNOLOGY

IN THIS ISSUE

HIGHLIGHTS OF WORKSHOP 6.0
ABOUT THE SPEAKERS
OUR SUCCESS STORY
COMPETITION WINNERS
CONTACT US

RECOGNITIONS

MAKE IN INDIA #startupindia

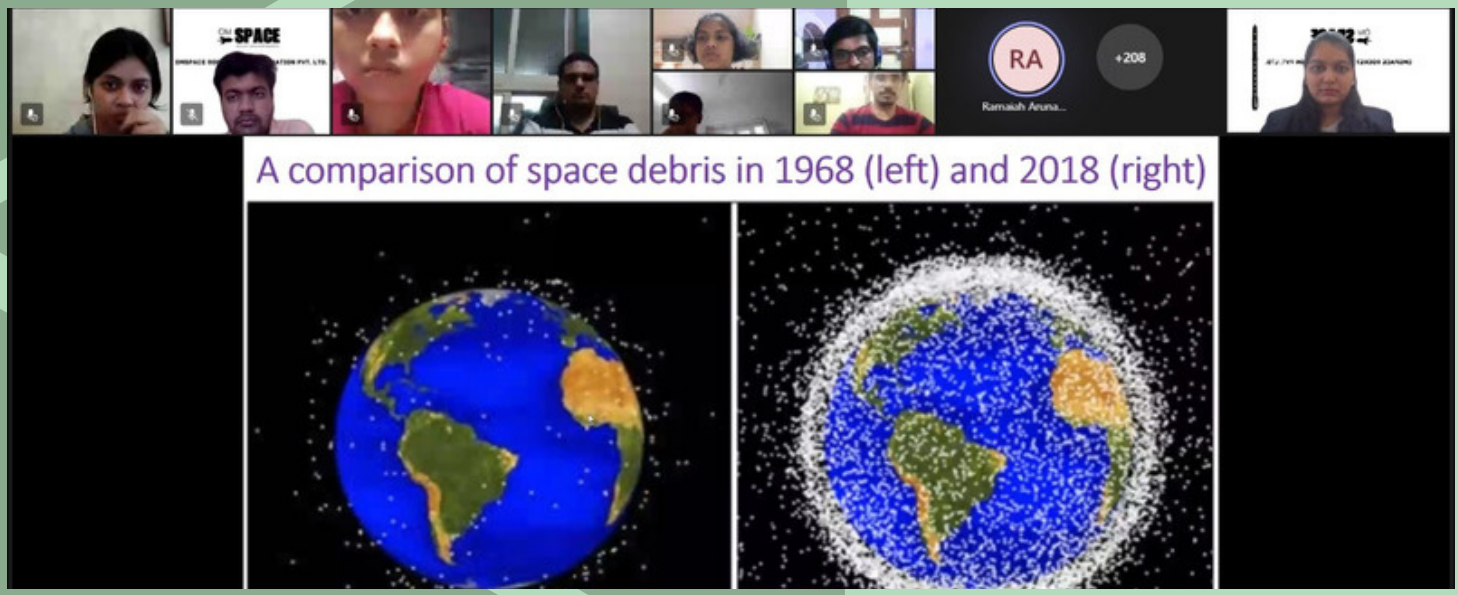
OUR PARTNERS AND COLLABORATIONS

SPACED VENTURES BETA STRATONAUTICA STRATOSPHERIC LAUNCH OPERATOR SPACE CDM Space Impulse CrAdLE Mentor·Nurture·Grow ResearchSat

© 2020 by OmSpace Rocket and Exploration Pvt. Ltd. All rights reserved.

HIGHLIGHTS OF WORKSHOP 6.0

The workshop 6.0 was a 2-day workshop organised and managed by Omspace rocket and Exploration Pvt. Ltd. The workshop was a huge success and was attended by a large number of enthusiastic people from different age groups. We had two amazing speakers in the workshop who have a lot of experience in the field rocket science. The speakers were former ISRO scientists with an experience of more than 15 years each. The workshop was conducted in two sessions, one on 27th of June 2021 and the other session on the day after. In session 1 we had discussed about space debris and its management spoken by R Arunachalam (Former ISRO Scientist). The session 1 of the workshop ended with the announcement of competitions which were, Quiz and Rocket making competition. We received an amazing response from the attendees. The session 2 started on 28th of June with Prof. R R Elangovan speaking about "How to become a scientist at ISRO", he had also shared his experience at ISRO and also his experience as a colleague of Late Dr. APJ Abdul Kalam. The workshop ended on a good note with the announcement of winner of the competitions.



© 2020 by OmSpace Rocket and Exploration Pvt. Ltd. All rights reserved.

ABOUT THE SPEAKERS

Prof. R R Elangovan

Prof. R R Elangovan majored in Aeronautical Engineering from IIT Kharagpur. He has 42+ years of experiece in the industry. He served as "Scientist Engineer Project Manager" at Vikram Sarabhai Space Center for 17+years in the domain of Structural Design of Launch Vehicles. At ISRO, he was core member of GSLV Mk-1 team. He has also been an Ex-Colleague of Late Dr. APJ Abdul Kalam. Prof. R R Elangovan holds 14 yearsof Academic Experience in Teaching and Established Aeronautical Engineering Department in Three Countries as in India, Oman, Eritrea. He holds 8 years of International experience in Aerospace Research & Development, Marketing and Implementation of Satellite Communication Projects and Marketing in Middle East.

Prof. R Arunachalam

He Worked in Aeronautical Development Establishment, Bangalore from Dec 1976 to July 1977 . He joined U R Rao Satellite Centre, Bangalore as a Scientist in 1977 and worked there for more than three decades and retired in 2008. During the period 1977-81, he worked in the first Indian communication satellite project APPLE which was launched in 1981. He also worked on more than 50 satellites in the area of Quality Assurance. Prof R Arunachalam was Project Manager for INSAT 2C, D, E and also Deputy Project Director for INSAT 3D projects.He was member of many design and failure review committees. His areas of work were manufacturing, inspection, assembly and testing of spacecraft subsystems and integration & environmental testing of spacecrafts. His specializations were quality assurance of bonded structures like honeycomb sandwich structure, composite sandwich panels, laminates and antennae. Non-destructive testing of bonded structures and metallic materials using Ultrasonic Methods. Presently he is Vice Chairman, Aeronautical Society of India, Bangalore Branch.

"Doing the best at this moment puts you in the best place for the next moment."

- **Ravindra Raj BM**
Founder & CEO

© 2020 by OmSpace Rocket and Exploration Pvt. Ltd. All rights reserved.

OUR SUCCESS

YoungSpace Rocket-Ed program was initiated to educate kids and space enthusiasts from all form all backgrounds and areas of life. It was initiated with a series of workshops that are conducted every week with new and inspiring topics. The main purpose of this initiative is to bring all the people interested in space and rocket technology. The first workshop was conducted as a 2-day session in May 2020 with around 200 people from all backgrounds. It was a great success and had inspired the Omspace RE to scale the program and bring to people a course of 100 hours spread over a period of 1 year in Advanced concepts of rocket engineering. Since the start of the workshop series we have educated and inspired around 1000 people in a span of 45 days in the areas of rocket technology and space engineering. We hope to keep this going and expect to push the boundaries by inspiring generations.

TESTIMONIALS

"The session is so interactive by asking questions and solving all the questions of the students.The session is more like one to one conversation rather than a lecture.These features are so impressive that I can recommend to my friends."

- Uday Kiran Badiganti

Mentors were really insightful and knew what they were talking about, they told me things about colleges and stuff which I did not know at all. Overall it was an educational and extremely productive sessions and I really think that it will help me in the future alot!

-Saumitya Pareek

"It was really a informative session. Learned alot about the functioning of rockets. Elongovan sir explained it really well and cleared our doubts. The staff were also very supportive and did their best . "

- Sri Kruthi Nellutla

"It was an great experience for me, being a commerce student I loved the session, all presentations, videos, animation and info about 3D printing were great "

- Alwin Sangral

"It was really knowledgeable as i received many good things and learnt many new things ..... and im really looking forward and working hard to join ISRO and serve space as an INDIAN..... Thanks a lot"

- Chelsi Sanjay Jain

We were able to explore our interests in an area which isn't that prominent or famous in India. Like if I say I want to be an Astrophysicist everyone tells me there is nothing there except engineering but here I was motivated and my interests were given a new light or start.. Thank You

-Raghav Agarwal

© 2020 by OmSpace Rocket and Exploration Pvt. Ltd. All rights reserved.

COMPETITION WINNERS

WORKSHOP 6.0 | 27-28 JUNE 2021

QUIZ WINNERS

Hamsika Parnandi

Aman Kumar Rai

B.Bindu Bhargavi

ROCKET MODEL WINNERS

Harshith Salibilla

Mithun Palani

Siddhant Suryawan

© 2020 by OmSpace Rocket and Exploration Pvt. Ltd. All rights reserved.

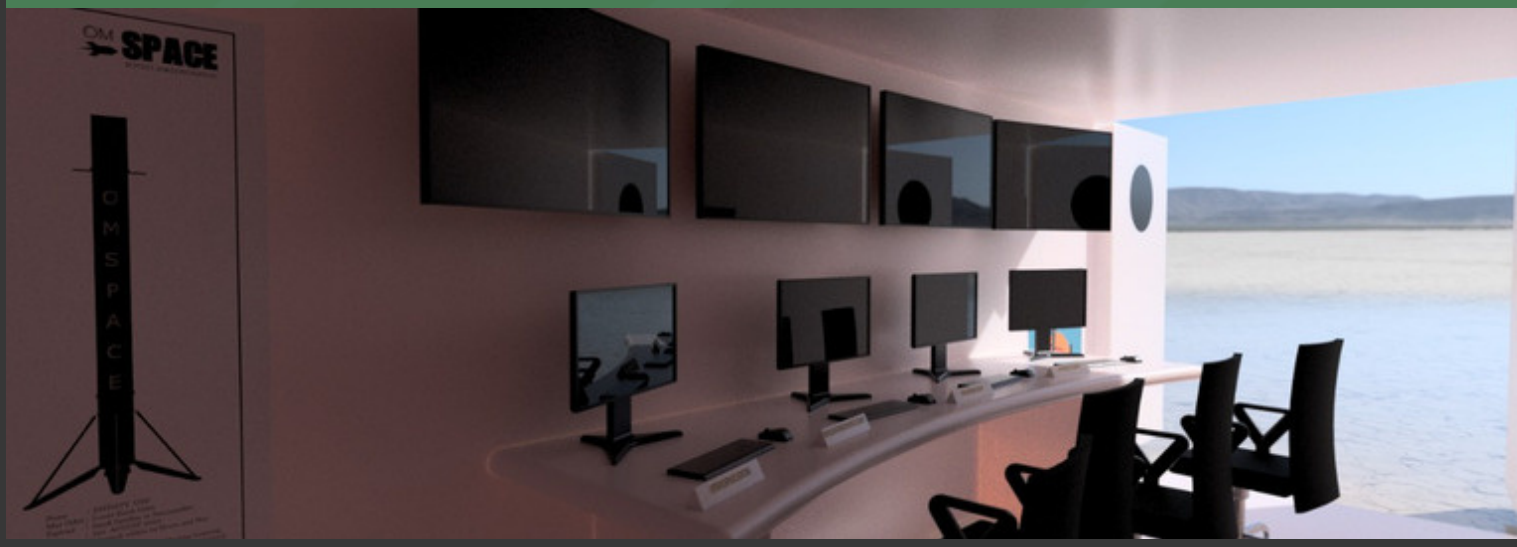
CONTACT US

+91 - 79 - 23969151 ext 541
+91 9366343825

admin@omspace.in
edu@omspace.in

www.omspace.in

Working Office R-NO-4, CrAdLE,
Ahmedabad, GUJARAT - 382 428



© 2020 by OmSpace Rocket and Exploration Pvt. Ltd. All rights reserved.