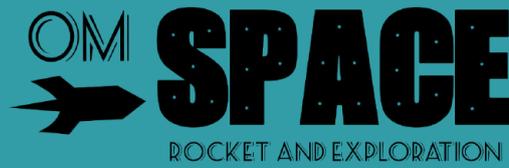
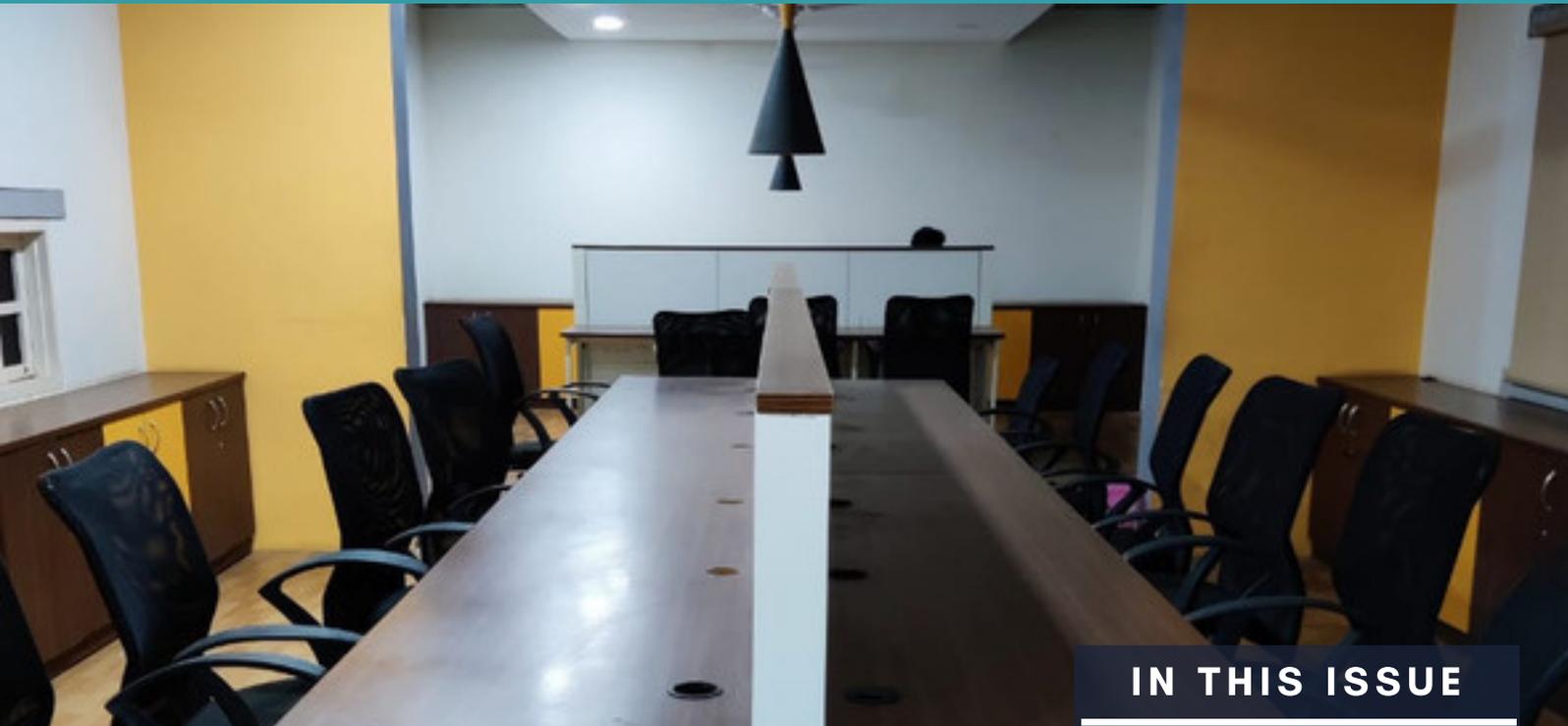


WEEKLY NEWSLETTER



OMSPACE ROCKET AND EXPLORATION PVT LTD
AHMEDABAD, GUJARAT



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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

RECOGNITIONS



#startupindia

OUR PARTNERS AND COLLABORATIONS

SPACED VENTURES BETA



ABOUT THE COMPANY

OmSpace Rocket and Exploration Pvt. Ltd. incorporated as a Private Limited Company in June 2020 and is recognized as a start-up by the Department of Promotion of Industry and Internal Trade. The start-up is working in "Aeronautical /Aerospace" Industry and is self-certified. The company has been recognized by Ministry of MSME, Ministry of Corporate Affairs, Department of Promotion of Industry and Internal Trade, Start-up India and Make in India Campaign.

The company aspires to design and manufacture a reusable and cost affordable rocket which would be capable of launching Nano and small satellites into orbit. The rocket is named INFINITY-ONE. The whole idea of making a reusable rocket is to make it affordable for lot of student and professional organizations to launch their own satellites which successively gives access to new technologies and space as well to those organizations. The company since the beginning has reached a lot of mile stones. We have collaborated with a lot of international companies starting with Prometheus, a UK based company in October 2020. The company has also partnered with several organizations & Institutes within India during the pandemic.



Mr Ravindra Raj B M
Founder & CEO

The founder of the company, Mr. Ravindra Raj B M, CEO is a young and dynamic person whose vision and enthusiasm inspires a generation of kids and engineers in India. His love for space, made him to entails a wide spectrum of different skills in various domains i.e. in Engineering, Business, Finance and Law. He finished his Masters Thesis Project from Indian Institute of Technology, Madras in the domain of Power Electronics. In June 2020, he founded and incorporated the company "OmSpace Rocket and Exploration Pvt Ltd". In the company he holds positions of Founder and Director, Chief Executive Officer and Chief Scientific Officer He has been part of various International Conferences . He has experience in some Indian Space Startups for approx three years. He has successfully contributed on many project during his internships periods in Aerospace Engg. deptt, Indian Institute of Technology(s).. He also worked as free lancer in various project related to Space Launch vehicles. During is journey he gained many technical and Non-Technical and managerial skills.

We at OMSPACE ROCKET and EXPLORATION PVT LTD really want to spread rocket technology as much as possible and ensure that it never gets extinguished. As such , we have launched our space education initiative to share all we know with as many as possible.

We made sure to keep the process interactive and engaging. All doubts are answered in real time , without judgement and live experiments are performed to maintain a hands-on approach.

We know that everyone has a different appetite and thus our offerings range from a mere 3 hour worksop to wholesome 100 hour courses. The syllabus is a holistic mix of all things space.

We are fortunate to have the support of ISRO personnel both retired and otherwise who regularly interact with participants and guide us in our quest to space. For example Prof R.R Elangovan who used to work with the legendary late Dr APJ ABDUL KALAM checks up weekly on our progress and talks to children about his experience with Dr KALAM .

GOALS

- Omspace Rocket and Exploration Pvt. Ltd. aspires to nurture today's young inquisitive minds.
- To enlighten today's Young minds and tomorrow's Leaders about the Problems faced by the Nation and the World through the talent we nurture and the research we do
- Creating innovative connections among Students across the Country and the Globe in the field of Rocket Science.

OBJECTIVES

- To train and educate Students about Rocketry and to provide them with a path in the field of Rocket Science.
- To brief the students with new ideas and exploration of new cutting-edge technologies.
- From Technical aspect, we want students to have a sound knowledge of rockets.

In this interest, Omspace Rocket and Exploration Pvt. Ltd. has initialized a program for Young minds

YOUNGSPACE ROCKET-ED

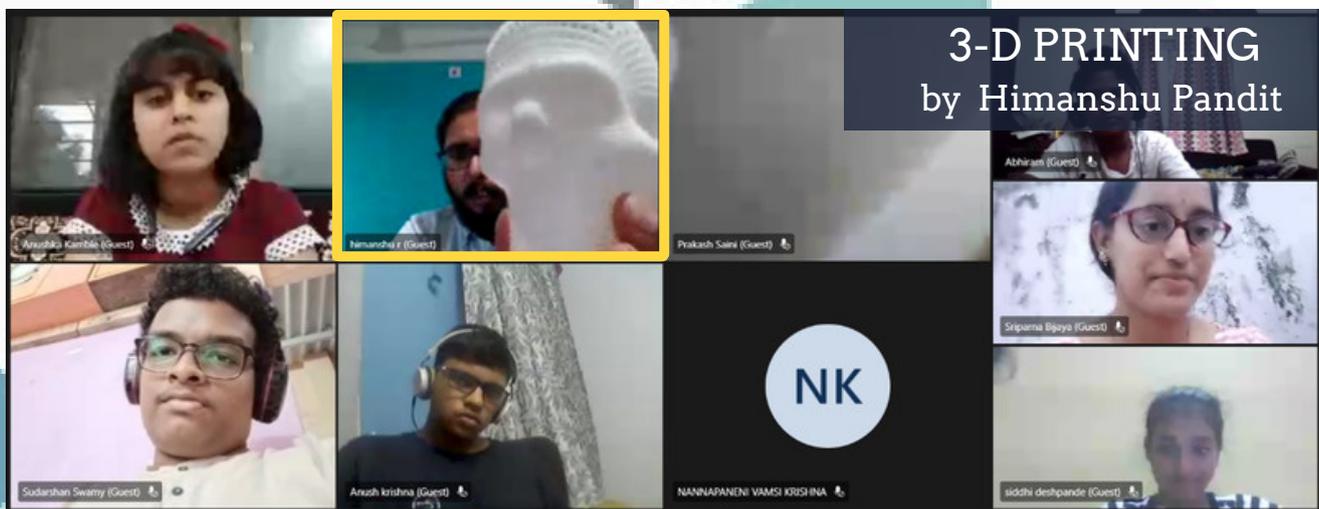


HIGHLIGHTS OF WORKSHOP 8.0

11 - 12 JULY 2021



The workshop 8.0 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 workshop was conducted in two sessions, one on 11th of July 2021 and the other session on the day after.



In session 1 we had discussed about CUBESATS by Prof R R Elangovan (former ISRO Scientist). We also had a small session on 3D printing given by Mr. Himanshu [Design Engineer] where people were made aware about the latest trends and technology in the field of 3D printing and Aerospace. 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 12th of July with Mr. Caius M Reza speaking about "PocketQube Satellites". The workshop ended on a good note with the announcement of winner of the competitions.

ABOUT THE SPEAKERS



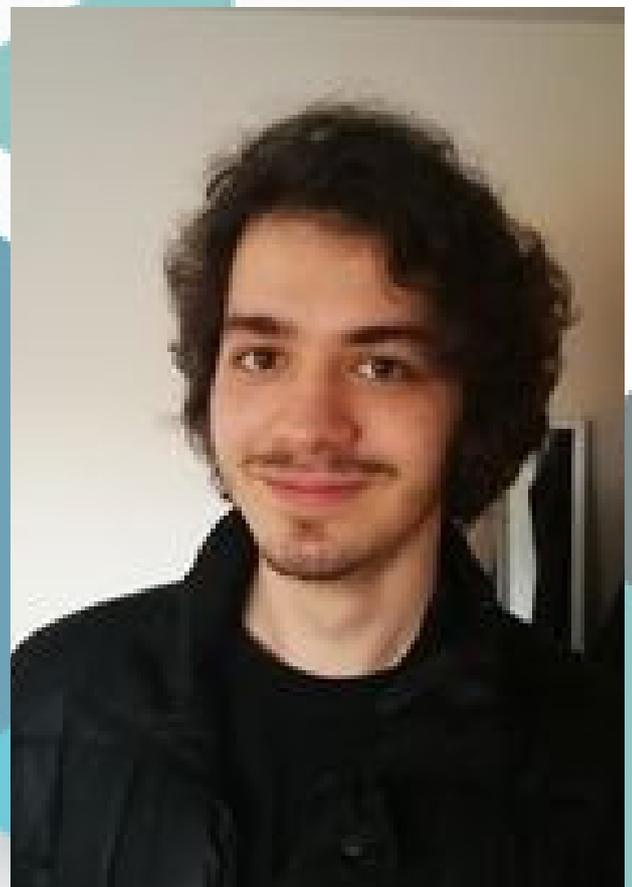
PROF R R ELANGOVAN

Prof. R R Elangovan majored in Aeronautical Engineering from IIT Kharagpur. He has 42+ years of experience 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 years of 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.

Mr CAIUS M REZA

Caius M. Reza is the Lead Business Development Executive at Alba Orbital. He joined the organisation in 2019 after graduating from the University of Strathclyde (Glasgow, Scotland). He is responsible for overseeing the business related matters at the company including sales, marketing, & lead generation.

Founded in 2012, Alba Orbital (Glasgow, Scotland) is the world's leading PocketQube satellite manufacturer and launch broker. To date, the company has successfully deployed more PocketQube satellites in-orbit than any other organisation worldwide. Alba is a vertically integrated new-space company who are 'democratising access to space', providing turnkey solutions from advanced pico-satellite platforms, low-cost launch opportunities, ground station services and much more.

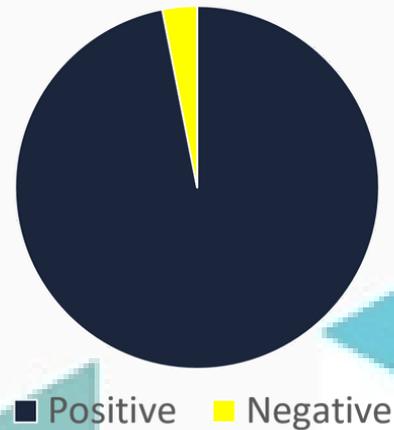


OUR SUCCESS

YoungSpace Rocket-Ed program was initiated to educate kids and space enthusiasts from 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 1500 people in a span of 60 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.



FEEDBACK



TESTIMONIALS

It was one of the best workshops I ever attended. thankyou Om space for bringing us such an event . I came to know about cubesat pocketcube and 3d printing. The session was very informative.

- MANOJ VEDARTHAM

The workshop was totally amazing , and the speakers are fantabulous because the speakers , are well experienced scientists... Thanks TEAM OMSPACE for providing this type of opportunity to many young minds to explore the science and logic behind the space and rockets

-PRATYUSH MOHAPATRA

"The points were made clear and was well explained, I really loved this workshop. The gained knowledge would be very much helpful in future. Looking forward for more such sessions. "

- SUBHANKAR BARUA

Presenters and thier valuable insights on cubesats, pocketcubes and rocket propulsions

- SAURABH SINGH

COMPETITION WINNERS

WORKSHOP 8.0 | 11-12 JULY 2021

QUIZ WINNERS



Akash Kalluvilayil Venugopalan



P Bhagyasree

ROCKET MODEL WINNER



Manoj Vedartham





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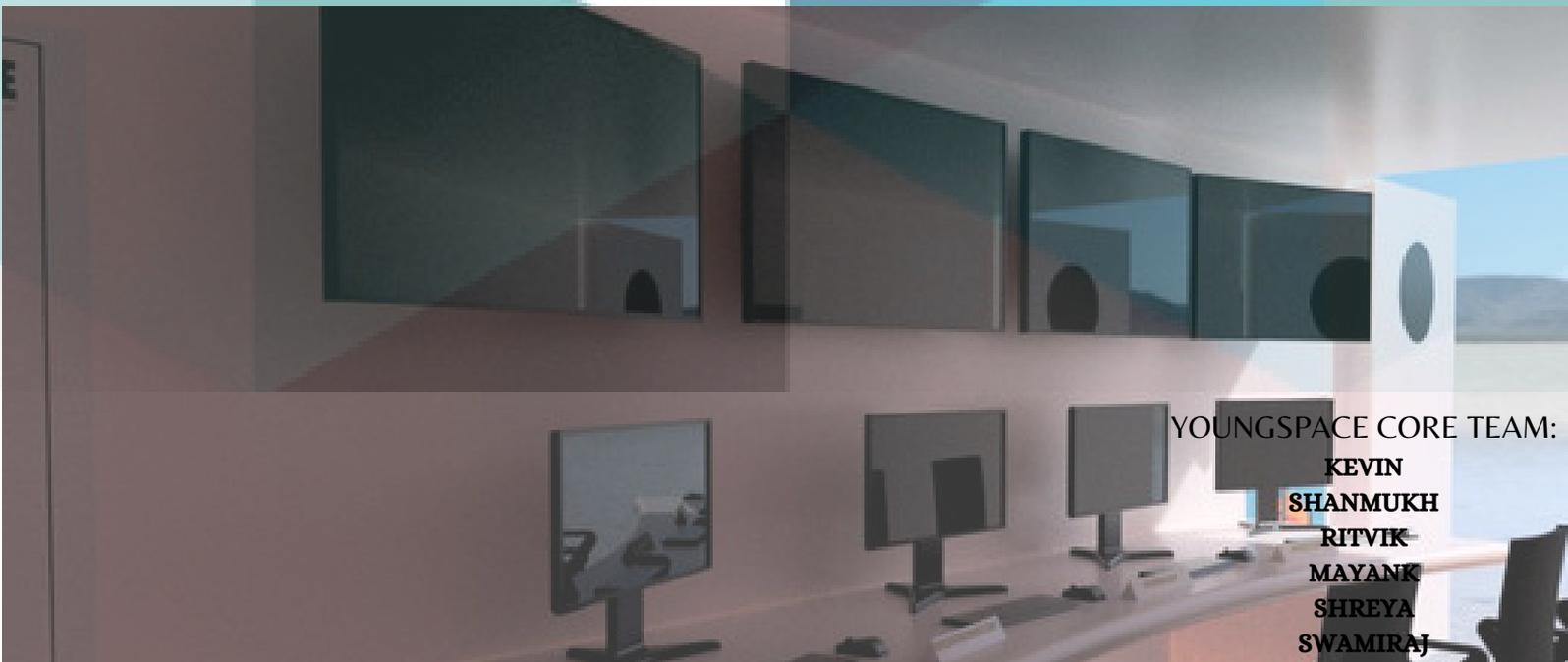
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YOUNGSPACE CORE TEAM:

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SHANMUKH
RITVIK
MAYANK
SHREYA
SWAMIRAJ