

# MOONCEPTION 2019

## ARCHITECTURE COMPETITION

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TOTAL PRIZE  
**\$4000 USD**

TO REGISTER VISIT  
[MOONCEPTION.VOLZERO.COM](http://MOONCEPTION.VOLZERO.COM)



Ever since the beginning of mankind, we have developed an unexplained affinity towards the various celestial bodies around us, our captivation being held by the moon at the center of all of it. This fascination dates back to Stoneage from mankind's cave illustrations to our latest achievements in literature, astronomy, astrology, architecture and many other fields of study.

The Moon is an extremely important companion of the Earth, as it makes our planet more liveable by moderating its wobble on the axis, relatively stabilizing our climate and building a tidal pattern that has been a navigational guide for humans for thousands of years. Today, the moon is the only celestial entity beyond the Earth that has been visited by humans.

With new waves of technology reaching new heights, now is an appropriate time to envision the presence of humans in space on a permanent and sustainable basis. Space exploration, with human habitation at its centre, will now become one of the next great steps in innovation.

The world is gearing up to revisit lunar landscapes. Some of the leading space exploration organizations such as NASA, Virgin Atlantic, SpaceX, ISRO, CNSA, and Blue Origin are revealing their ambitious plans to take humans to the Moon and Mars, with an aim to establish settlements there. Likewise, humans reaching on the lunar surface will also increase space tourism in the near future, with that segment taking center stage

July 2019 will mark the 50th anniversary of the first Apollo landing on the Moon and Neil Armstrong's historic first steps on its surface; this would also be a momentous occasion to start the movement of introducing ARCHITECTURE ON MOON.



**"Unlike Apollo, this time we're going to the moon to stay, and from there we'll take the next giant leap in deep space exploration,"**

**Jim Bridenstine**

Administrator of National Aeronautics and Space Administration

With space exploration entering its golden age, we will now need architects and designers to create interplanetary human habitation beyond Earth. Architecture on our home planet is bound to its different cultures, sciences, traditions, and technologies. These considerations will also weigh while designing habitation on the lunar surface so that we can go beyond mere engineering in the process of making human life sustainable there.

We now have a significant opportunity to define what architecture beyond the boundaries of Earth might be; an opportunity to design architecture for the other worlds. A place beyond our Mother Planet that may hold precious resources to support activity in outer space. It could be a home to scientific treasures that could help us understand our planet better.

Visionaries in the field, like Elon Musk and his SpaceX, already have formulated plans to send the first humans – Japanese billionaire, Yasaku Maezawa with a group of artists – in space, on a loop around the Moon and back to Earth in 2023. It signifies great opportunities for the future of Lunar Tourism for space enthusiasts.

The new phase in lunar exploration is fundamentally different than the previous ones. This novel wave in scientific research will focus on understanding lunar resources and to prepare the Moon's surface for sustained human presence and experimenting as training grounds for conducting and launching upcoming human missions to Mars and other destinations.

The establishment of a long-term human settlement on its surface will be an architectural ode to this inspiration. The settlement would also be a relevant part of the future of lunar explorations as well as a chance to pioneer a new wave of architecture in space.



We invite visionaries from all professions, Architects, Designers, Engineers, and Space Enthusiasts to envision and design this near yet unseen future.

The participants are to design a Lunar Experience Centre + Research Centre for the first humans – 10 tourists and 5 researchers – to enhance their stay on the Moon.

The Experience Centre will help the Space Enthusiasts visiting the lunar surface for the first time to understand it and draw inspiration from the surroundings. The Research Centre would assist the Researchers in comprehending the environment on the Moon and its suitability in sustenance of human life.

The participants have to design a self-sustaining living space for these initial inhabitants.

The spaces for the program include

Living Areas | Sleeping Areas | Cooking Area | Research Areas | Interaction Spaces | Areas for Sanitation and Bath | Recreation Areas | Controlled Areas for Farming | AV Room | Exhibition Area | Stores for resources | Observatory | Medical center | Control and Surveillance Area | Rover Parking and Maintenance Area |

Any other spaces that the participant wishes to specify with respect to both categories of users.

The designed spaces exude comfort for the visitors and the researchers. It should provide for a variety of spaces that boast of ample natural light, innovative materials and their positive effect on human psychology.

**Are you ready to design beyond the boundaries of Earth ?**

**The moon awaits it's own Architect !**

# SUBMISSION

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The entrants must complete the online registrations and the submission must include, (but are not limited to) the following required drawings.

Building / Site sections which illustrate key aspects and major spatial or programmatic elements.

Three dimensional representations explaining the design, perspectives and montages which display the character of the project.

Floor plans to show the interior spatial arrangements and program.

Elevations demonstrating qualities such as material, texture, and colour.

Large scale drawings that illustrates innovative details or integrated aspects of design.

All drawings should be presented at a scale appropriate for the design solution and include a graphic scale for reference.

# FORMAT

A single A1 sheet must be submitted in JPEG format (150 DP Resolution), file size not exceeding 5 MB

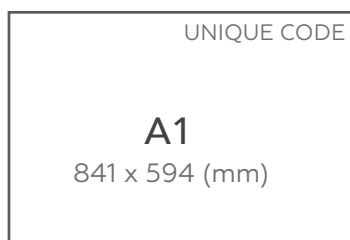
The file must be marked with your unique identification number, presented clearly in the top right corner on the A1 sheet.

The sheet must not include ANY INFORMATION (Name, Organisation, School, etc.) that may give away your identity.

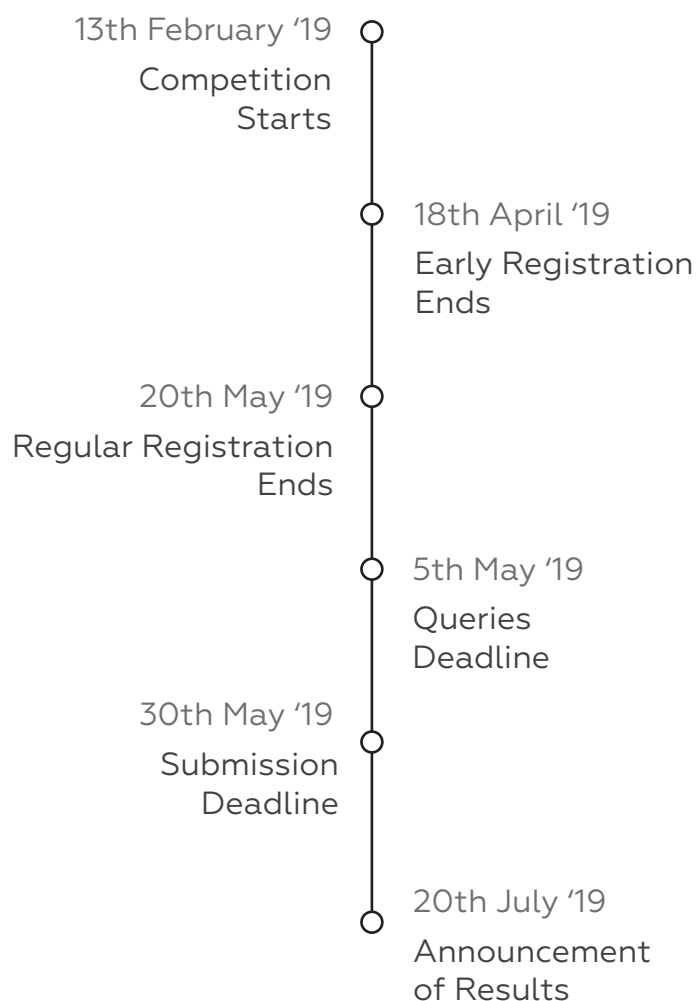
All text must be in English, with a MAXIMUM of 200 WORDS for project explanation with a readable font size (to be provided on the A1 sheet).

All dimension should be in imperial or metric unit

## SHEET FORMAT



Any other submission other than the above mentioned format would not be accepted.



# REGISTRATION

## Early Registrations

13 Feb - 18 April

Participants from India : INR 2000 /-

Participants from other countries : USD 75

## Regular Registrations

19 April - 30 May

Participants from India : INR 2800 /-

Participants from other countries : USD 95

## Design Concept:

The participants need to have a creative and innovative concept of design that they evolve in functional architecture.

## Comfort and Uniqueness :

Design with respect to Tourism: The competition asks for concept specifically designed in terms of tourism and research, unlike any other design concept in space so far. The design should project comfort for the users of the designed space.

## Climatic Consideration :

The participants are to consider the site aspects such as the lunar surface and climate, and the various technical characteristics that will define the design as liveable for the first humans on the Moon.

## Spatial Configuration:

The spaces in the habitat pod have to be functional for all the necessary operations.



★  
1st



**Prize**

Volume Zero Trophy  
Certificate of achievement

★  
2nd



**Prize**

Volume Zero Trophy  
Certificate of achievement

★  
3rd



**Prize**

Volume Zero Trophy  
Certificate of achievement

+

★ 5 Honourable Mentions & 10 Special Mentions ★

## PUBLICATION & WEBSITE EXHIBITION

All the Winners and Honourable mentions would be published on Volume Zero website and other leading international web magazines. All the participants would receive a certificate for participation



## VOLUME ZERO TROPHY

A trophy is more than just a miniaturized sculpture. It is a unique embodiment of emotions and brand value all brought out through flawless craft work, material and finishes.

On this note, we introduce to you the Volume Zero design trophy; a stunningly beautiful award trophy that represents infinite creativity.

The trophy will be presented to the top three winning entries as a representation of success and originality in design.



**Q:** How does a team receive their team unique code?

All the participants will only receive the team unique code on completion of registration process. You will receive the UIC on your registered email address.

**Q:** What is the limit or cap on the number of team members and can anyone participate individually?

A team can have up to three members and cannot exceed this number. The participants who desire to participate individually can do so by filling and submitting the details for only the team leader on the registration form.

**Q:** What should the participants do in case the payments are not available in our country?

We request the participants to send us the queries on [questions@volzero.com](mailto:questions@volzero.com) to get an alternate payment method. We would send you all the possible payment methods.

**Q:** What are the modes of submissions? What should be the submission file size?

The participants are requested to submit their work on one A1 sheet in JPEG file format in 150 DPI resolutions. The file size should not exceed more than 5MB.

**Q:** Where all do the participants need to use their UIC ?

All the participants would be using their team code on the top right corner of their sheets, as the name of their submission and wherever requested by the organizer. This code will be their only identification for the process related with this competition.

**Q:** What is the nature of the competition and is it open for all?

Moonception 2019 Architecture Competition is an open ideas design competition. The competition is open to students and professionals from all walks.

**Q:** What does the participant do when they don't get a unique identification code after the payment is made?

In case of such a problem we request you to send us your payment receipt to [questions@volzero.com](mailto:questions@volzero.com) with the "Unique Identification Code" as subject matter.

**Q:** Will participants receive certificates for participation in the competition?

Yes all the participants would receive a certificate for participation.

# RULES & REGULATIONS

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English is to be used as the language of communication for all drawings.

The deadline for submissions is 11:59 PM IST 30th May 2019. Submissions after this deadline will not be considered.

The identity of the participants needs to be anonymous. The registration number is the only form of identification for the entries.

The registration fee is non-refundable.

The participants should not contact the jury under any circumstances.

All participants must accept the rules and regulations of the competition.

The participants may face disqualification if any of the rules are not followed.

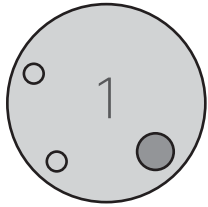
Volume Zero reserves the right to modify the schedule of the competition.

# TERMS & CONDITIONS

We invite everyone, irrespective of their professions or qualifications, to join the competition and present their ideas. Participants are free to submit multiple entries but each entry needs to be registered separately.

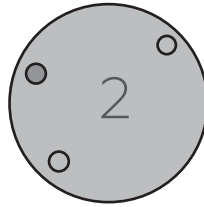
Alongside individual entries, team entries are also allowed. A team can have a maximum of three participants. Interdisciplinary teams are also welcome to join.

After your registration has been approved, you will be sent a unique identification number for your team / individual entry which will be necessary to submit your proposal. If you haven't received a confirmation within two business days, please contact us at [questions@volzero.com](mailto:questions@volzero.com) or our Facebook profile.



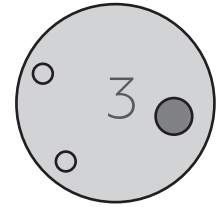
## Earth's Companion

The Moon is Earth's only natural satellite. It goes around the Earth at a distance of about 239,000 Miles (385,000 Kilometers)



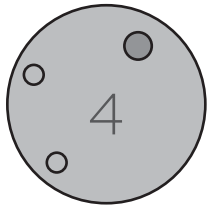
## Synched

The Earth and the Moon are tidally locked up. Their rotation are so in sync that we only see one side of the moon.



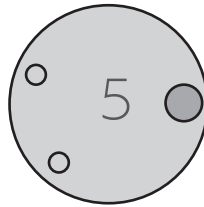
## Rocky

It has a rocky, Solid Surface Body with much of its surface cratered and pitted from impact.



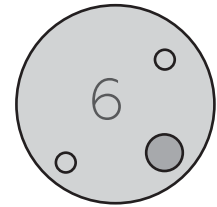
## Visitors

More than 105 Robotic Space craft have been launched to explore the Moon. It is the only celestial body beyond Earth so far visited by Humans.



## Weaker Gravity

Moon has a weaker gravity than Earth This is because its smaller mass and you would weigh one sixth (about 16.5%) of your Earth weight while on the Moon.



## Revolution

The Moon takes about 27 days (27 days, 7 hours, 43 minutes, 11.6 seconds) to go all the way around the Earth and return to its starting position.

# QUERIES

Please feel free to write to us regarding any queries that you may have related to the brief or the competition. Send us your questions to

'questions@volzero.com' with 'FAQ MOON' subject till 5th May 2019.

We request the participant teams to keep checking the FAQ section on the website along with our social media channels frequently to be updated about additional information provided.

**“That’s one small step for a man, a giant leap for Mankind”**

## **Neil Armstrong**

Administrator of National Aeronautics aAmerican astronaut and aeronautical engineer. First person to walk on the Moon.



All the best !

**Website** [moonception.volzero.com](http://moonception.volzero.com)

**Facebook** [facebook.com/volzero](https://facebook.com/volzero)

**Instagram** [@volume\\_zero](https://instagram.com/volume_zero) [@vzcompetitions](https://instagram.com/vzcompetitions)

KEY WORDS

**HOPE**  
**CLIMATE**  
**FUTURISTIC**  
**DESIGN**  
**IMAGINATIVE**  
**INNOVATION**  
**EXCITEMENT**  
**SUSTAINABLE**  
**CREATIVE**

GRAVITY  
ENERGY  
GALAXY  
SPACE  
LUNAR  
PSYCHOLOGY  
UTOPIAN  
ZERO  
USERS

EXPERIENCE  
EXPLORE

