



# INDIAN SPACE SCIENCE OLYMPIAD (ISSO) - 2023

## FINAL LEVEL OFFLINE WORKSHOP & EXAMINATION INSTRUCTIONS

The final level of Indian Space Science Olympiad (ISSO) will comprise a 3-day offline workshop and examination. Candidates who are eligible to attend the final level offline examination can register through [www.spaceolympiad.com](http://www.spaceolympiad.com).

**Event Dates: 27, 28 & 29 DECEMBER 2023**

**Reporting time: 08.45 AM on 27<sup>th</sup> December 2023**

**Venue of final exam: [Vidya Academy of Science and Technology, Thrissur, Kerala](#)**

Vidya Academy of Science & Technology (VAST) is a state-of-the-art engineering college conforming to international standards. This model engineering college was approved by AICTE in 2003 and affiliated to APJ Abdul Kalam Technological University. Within a few years, VAST emerged to be one of the notable engineering colleges in Kerala with its competent and committed faculty, high-quality infrastructure, and high-technology teaching aids, and by providing a serene atmosphere that complements academic life.

**Location: [https://maps.app.goo.gl/AmpPhsArRhk3EcMaA?g\\_st=ic](https://maps.app.goo.gl/AmpPhsArRhk3EcMaA?g_st=ic)**

Nearest Airport: Cochin International Airport (67km, approximate 1hr 51min to the venue)

Nearest Railway station: Thrissur railway station (15.7 km, approximate 30min to the venue)

Nearest Bus stop: Kaiparambu (Thrissur District) (2km, Approximate 10min to the venue)

- **This program is not a luxury camping holiday. It has a structure, schedule, rules, and decorum that must be followed.**
- All candidates are expected to report at the venue on time.
- All candidates should carry their original school ID card/ Aadhaar card/ Bona fide certificate with photograph.
- No candidate is allowed to go outside the premises of the venue without prior permission from the Camp Director. No such activities will be tolerated and if a candidate is found violating this, he/she will be immediately expelled from the competition.
- Candidates are allowed to carry their gadgets (such as mobile phones, laptops etc.) to the venue, but they will not be allowed to do the same during the examination including smartwatches.

- No candidate will be allowed to leave the exam hall until end of session.
- Resorting to malpractice of any kind will result in the disqualification of candidates.
- Parents should provide prior information if the candidate is under any kind of medication. All medicines should be in their original containers.
- Parents should provide their two contact numbers at the registration desk.
- Parents are supposed to drop off their ward at the venue on 27<sup>th</sup> morning at 8.45 am and pick them back from the venue on 29<sup>th</sup> afternoon. Parents are also welcomed to join the prize distribution and closing ceremony between 2pm to 5.30pm.
- Unauthorized photography is strictly prohibited during competition hours.
- Edu Mithra will not bear any responsibility for any costly belongings of the candidates.
- Participants are expected to wear the ID cards provided to them during the entire duration of the Olympiad.
- Dress code: Candidates must wear formal attire.
- Participants found to be under the influence of drugs, alcohol or any other inappropriate goods will be expelled from the Olympiad immediately.
- Candidates are expected to maintain decorum and discipline in the campus.
- Kindly note that Edu Mithra or any staff of Vidya will not demand any extra fee apart from the fee collected towards registration. If any such event is noted, kindly report to the event director immediately.
- The organizers reserve the right to use photographs/videos (individual or group) taken during the competition for advertising, promotion, trade or art purposes. If you do not consent to using your photos, please do not participate when Edu Mithra is taking photographs.
- Food (veg/non veg) and accommodation will be provided only to the candidates. Boys and girls will have separate accommodation facilities and toilets, washrooms etc.
- Candidates will be provided with their own bed and pillows. But they should bring their own bed sheets and pillow covers.
- Candidates should carry their own toiletries (such as toothpaste, toothbrush etc).
- Hand sanitizer will be provided with the welcome kit.

### **Safety at the camp**

- Campers are well supervised in every situation throughout the camp day.
- Staff is vigilant; they constantly monitor the campsite for safety hazards. Safety is our first priority, and every activity takes safety into consideration.
- All campers will be given an ID card which will be provided with an emergency contact, number of the camp director, number of the local sub inspector etc.
- Our trained and experienced team has maintained an impeccable safety record. First-aid and common medication is available on camp. Hospitals may be 10-15 minutes away.

## **FEE DETAILS**

ISSO Final Level Workshop and Exam Registration Fee: INR 6000 (Exclude food and Accommodation)

Food and accommodation Fee: INR 1750 (can be paid at the venue)

Last Date of registration: **10<sup>TH</sup> OCTOBER 2023** visit [www.spaceolympiad.com](http://www.spaceolympiad.com) for registration

## **IMPORTANT NOTE**

The registration process will be permanently closed when the number of registered students in each category reaches 120.

Candidates who are in the TOP 120 are eligible to register for the FINAL EXAMINATION. Remaining candidates who have cleared the examination are in the Waiting List 1 and Waiting List 2.

If any of the TOP 120 candidates do not register for the Final examination on or before 5PM, 10 October 2023, their candidature will be CANCELLED without any prior notice and the top scorer from the Waiting list 1 will be moved to the Top 120 list.

Waiting List 1: Candidates from waiting list 1 will have the opportunity to register only from 11th October. The registration for candidates in this list appears to be open from October 11 to October 20, 2023.

Waiting List 2: After October 20, candidates in the waiting list 2 will be considered for registration. The registration of candidates in this list appears to be open from October 20 to October 30, 2023.

## **SYLLABUS FOR EXAMINATION**

- Origin and history of the Indian space program
- Indian Space Research Centres and Units
- Observatories in India
- Major missions and achievements of ISRO
- Indian launch vehicles and rockets
- Upcoming Indian Missions
- General facts and information about space

## **PAPER PRESENTATION TOPICS** (Details of paper presentation is explained in the Marking System)

- Junior Category- Suppose the Earth had no Moon?
- Senior Category - Imagine you have been selected as a vyomanaut for a lunar mission. If you had the opportunity to conduct one experiment on the moon, what would it be, and what scientific knowledge or discoveries do you hope to gain from this experiment?
- Super Senior Category - Is it relevant to spent 600 crores on a Moon mission?

## **MARKING SYSTEM**

Final Level Examination: This section carries 100 marks. It consists of multiple-choice questions, where candidates select the correct answer from a list of choices. Computer will be provided to each candidate to attend the examination.

Scoring for MCQs:

Each correct answer is awarded 1 mark.

For each incorrect answer, 0.25 marks will be deducted.

Candidates should be cautious while answering MCQs since each incorrect answers will result in a deduction of 0.25 marks from their total score.

Oral Presentation: This part carries 20 marks. It likely involves candidates giving an oral presentation on the topics assigned.

**Candidates are required to prepare a 3-minute oral presentation based on the allocated topics** (Ppt presentation is not required). Candidates can organize their thoughts and key points to effectively convey the information within the time limit.

The total score of ISSO final level examination is based on the addition of marks from both the examination and the oral presentation, with a maximum possible score of 120.

## **INDIAN SPACE SCIENCE OLYMPIAD 2023** **PROGRAM SCHEDULE**

### **27/12/2023 (DAY 1)**

08.45 AM- Reporting time

09.00 AM - 10.00 AM- Registration

10.00 AM - 10.30 AM- Tea break

10.30 AM - 12.00 PM- Introduction and Ice breaking session

12.00 PM - 01.00 PM- To get settled and freshen up

01.00 PM - 02.00 PM- Lunch break

02.00 PM - 04.00 PM- Session 1 (Based on the syllabus)

04.00 PM - 04.30 PM- Tea break

04.30 PM - 05.30 PM- Open discussion and self-introduction

05.30 PM - 07.30 PM- Session 2 (Based on the syllabus)

07.30 PM - 09.30 PM- Dinner

09.30 PM -10.30 PM- Session 3 (Sky-watch – Activity Session)

**BEDTIME**

## **28/12/2023 (DAY 2)**

08.00 AM - 09.00 AM- Breakfast

09.00 AM - 11.00 AM- Session 4 (Based on the syllabus)

11.00 AM - 11.30 AM- Tea break

11.30 AM - 01.00 PM- Examination

01.00 PM - 02.00 PM- Lunch

02.00 PM - 03.30 PM- Session 5 (Invited Talk)

03.30 PM - 04.00 PM- Tea break

04.00 PM - 05.30 PM- Session 6 (Invited Talk)

05.30 PM - 08.00 PM- Oral Paper Presentation

Students are required to prepare a 3-minute oral presentation based on the topics given below. (Ppt presentation is not required)

- Junior- Suppose the Earth had no Moon?
- Senior- Imagine you have been selected as a vyomanaut for a lunar mission. If you had the opportunity to conduct one experiment on the moon, what would it be, and what scientific knowledge or discoveries do you hope to gain from this experiment?
- Super Senior- Is it relevant to spent 600 crores on a moon mission?

08.00 PM - 09.00 PM- Dinner

09.00 PM – 10.00 PM- Astro Photography – Activity Session (Students are requested to carry a mobile phone with small tripod for mobile phone)

**BEDTIME**

## **29/12/2023 (DAY 3)**

06.00 AM - 08.00 AM- Water Rocket - Activity Session

08.00 AM - 09.00 AM- Breakfast

09.00 AM - 11.00 AM- Session 5 (Career in space science & Technology – Invited Talk)

11.00 AM - 11.30 PM- Tea break

11.30 AM - 01.00 PM- Open discussion & feedback

01.00 PM - 02.00 PM- Lunch

02.00 PM – 05.30 PM- Closing ceremony and prize distribution

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## **CODE OF BEHAVIOUR**

All participants are reminded that acceptable behavior is required at all times during the Edu Mithra's Indian Space Science Olympiad and after Indian Space Science Olympiad hours to other members, Trainers, Guests, Faculties and Staff. Unacceptable behavior will not be tolerated. If the participant is seen to be verbally or physically abusive, deliberately causing danger or damage to other members, trainers, Guests, Faculties, Staff or property during the course the participant will be required to leave the course/camp immediately and will NOT receive any refund.

## **FORCE MAJEURE**

Edu Mithra will NOT be responsible or liable for any failure to perform any Program due to unforeseen circumstances or to causes beyond its reasonable control, including but not limited to acts of God, war, riots, embargoes, acts of civil or military authorities, fires, floods, earthquakes, accidents, labour unrest, interruptions in the delivery of required services, failure of communications services, or shortage or failure of other critical materials or services for the duration of any such circumstances or cause.

## **CAMP VISITOR POLICY**

**NO VISITORS ARE ALLOWED DURING THE CAMP DAYS UNDER ANY CIRCUMSTANCES.**

Candidates may carry smart phones to contact their parents at free hours as per the programme schedule.

## **COMPLAINTS**

Complaints which cannot be resolved between the student and the instructor or with the Edu Mithra staff at the time of event, may be mailed directly to Edu Mithra Intellectual Services Pvt. Ltd, Chengamanad P O, Aluva, Kerala, India 683 578.

All disputes arising out of or in connection with this event shall be subject to the exclusive jurisdiction of the courts of Ernakulam, Kerala, India.

For any further assistance, please call on +919446321098 between 9 AM to 5PM or mail to [info@edumithra.com](mailto:info@edumithra.com)

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