

Guidelines for STEM (Science, Technology, Engineering & Math) Competition

Making Local Food System Nutrition Sensitive and Adolescent Friendly

The International Nutrition Olympiad (INO) is an annual global event where adolescents and youth have the opportunity to share their experience to promote healthy diets and nutrition through innovative activities, express their concerns and challenges related to nutrition and seek actionable solutions, and build networks. BIID Foundation has organized the program since 2017 in collaboration with various government and non-government organizations. The children, adolescent and youth-led INO has been playing an effective role in achieving national and international goals on nutrition.

INO 2025, the 8th edition of the initiative will be held on 24th-25th April at Dhaka, Bangladesh. Children, adolescents & youth as individuals and teams, are encouraged to engage through the network of Nutrition Clubs. Different competitions, seminars, workshops & exhibitions are going to be organized at INO 2025, There will be a total of 15 competitions including 'STEM Competition'. Anyone between 06 to 24 years can participate in the 'STEM Competition'. The guidelines of the 'STEM Competition' are given below.

STEM Competition

STEM stands for Science, Technology, Engineering, and Mathematics. It refers to an interdisciplinary approach to learning and education that integrates these four fields to foster critical thinking, problem-solving, creativity, and innovation. STEM focuses on practical application and real-world issues, encouraging students to use knowledge from these disciplines to address challenges and develop solutions.

Age Group:

Group A	Group B	Group C
06-10	11-18	19-24

Theme:

Group A: Find the Nutritious Value of Your Breakfast.

Group B: Automation of Food Processing can reduce food waste.

Group C: Reducing Environmental Hazards While Using Fertilizer and Pesticide in Fields.

Eligibility:

- Participants must complete the registration form on the INO 2025 website (www.nutritionolympiad.net) and select 'STEM Competition' during the registration.
- Any participant within the specified age group can join.
- Individuals and teams (max 3 members) can participate in the competition.
- Participants from different institutions may also team up.
- Participants must have basic IT facilities (e.g., Phone, E-mail, WhatsApp or Zoom Account)

Registration:

All participants must register at the dedicated website of INO 2025. Click the registration link at the INO 2025 website (www.nutritionolympiad.net) and select 'STEM Competition' during the registration.

Registration Deadline: March 31, 2025 (11 PM, Dhaka time)

Submission Deadline: April 06, 2025 (11 PM, Dhaka time)

STEM Competition Guidelines

1. Participant Information:

Name, Age, Designation, Institution, Address, Contact Number, and Email.

2. Language: Bangla or English

3. Duration: 60 minutes (1 Hour)

4. Submission and Selection Process:

Preliminary Selection:

- Participants will conduct the activities at their own institution in the presence of teachers.
- Schools will select the 5 best STEM activities and submit video and photos of outcome of the STEM activities by Google form or email mentioning the activity, team name and institution name.
- Participants can submit a video or description during registration. Description will consist of these information-product name, purpose (Relevancy to the theme), resource, impact, picture & video.

Final Selection:

- The top 5 STEM activities from each group will participate in the final round and demonstrate and have to describe at the INO 2025. The best 3 STEM from each age group will be declared as winners at the closing ceremony.

Scoring Criteria:

Sl. No	Criteria	Number
01	Relevant to the Theme	20
02	Impact (result & benefit)	30
03	Resource Requirement	20
04	Do ability	20
05	Follow the rules	10
Total		100

Special Notes:

- STEM ideas must be created by participants, though guidance from mentors is allowed. STEM idea generated using AI tools or any online assistive tools will be disqualified.
- Judges' decisions will be considered final and any malpractice will lead to disqualification.
- Winners will be declared in the closing ceremony of the International Nutrition Olympiad 2025.

Contact:

Any queries regarding STEM Competition, please contact, Phone: +8801782510089 or e-mail: ino@biid.org.bd

One participant or a group can participate for a maximum of 3 (Three) competitions.