



# STEM Careers Programme

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ISLAMABAD

STEM Careers Programme is a joint venture of Higher Education Commission and Pakistan Institute of Engineering and Applied Sciences for grooming talented students for careers in Science, Technology, Engineering & Mathematics (STEM)

Ref STEM/NSTC-20/2023/001

Date: 19/01/2023

Subject:- **SELECTION OF PAKISTAN TEAMS FOR PARTICIPATION IN INTERNATIONAL SCIENCE OLYMPIADS THROUGH 20<sup>TH</sup> NATIONAL SCIENCE TALENT CONTEST (NSTC-20)**

Respected Sir / Madam,


STEM Careers Programme, a joint venture of the Higher Education Commission (HEC) and Pakistan Institute of Engineering & Applied Sciences (PIEAS) to inspire the potential youth of the nation to pursue careers in Science, Technology, Engineering, and Mathematics (STEM). Besides, STEM teams also represent Pakistan in International Science Olympiads (ISOs) in Biology, Chemistry, Mathematics, and Physics organized in different countries, every year, exhibiting the natural talent of the country in these competitions through National Science Talent Contest (NSTC). NSTC is an extension of the National Physics Talent Contest (NPTC) launched in year 1995. The first-ever International participation of Pakistan team was in the 32<sup>nd</sup> International Physics Olympiad that was held in Anatolya, Turkey in 2001. The performance of the Pakistan students was quite encouraging in that Olympiad as one of its team member won an honorable mention and also got the best performance award for the first time participating country. Later in 2003, owing to the subsequent encouraging performance of Pakistan teams led us to extend this Programme to Biology, Mathematics, and Chemistry with the generous support of the Higher Education Commission (HEC) and since then, Pakistan Teams are regularly participating in these annual International Science Olympiads across the world and won altogether 128 Medals including four Silver Medals, sixty one Bronze Medals, sixty Honorable Mentions, one Merit Certificate and two special awards till 2022.

Now STEM Careers Programme has launched its 20<sup>th</sup> National Science Talent contest (NSTC-20) through advertisement published in National Dailies on **08.01.2023**, for selection of Pakistan Teams to participate in International Science Olympiads in Biology, Chemistry, Mathematics, and Physics, scheduled to be held in July-2024 (please see the enclosed poster).

The due date for online registration through [www.stem.edu.pk](http://www.stem.edu.pk) is **20<sup>th</sup> February 2023**, therefore, it is requested to please share the enclosed poster with Schools & Colleges under your kind control.

We shall look forward and appreciate the active participation of your schools/colleges in this challenging endeavor.

With profound regards,

  
(ASIF UR REHMAN) 19/1  
Programme Manager

**Distribution:-**

- i. All Heads of BISEs/ Education Departments/ DoE/ across Pakistan
- ii. Principal, Schools & Colleges, across Pakistan.

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• [www.stem.edu.pk](http://www.stem.edu.pk) • [www.facebook.com/nstcpk](https://www.facebook.com/nstcpk) • [stem\\_hec@twitter.com](https://twitter.com/stem_hec)



BE PROUD TO REPRESENT PAKISTAN IN  
**INTERNATIONAL SCIENCE OLYMPIADS**

**UNITED KINGDOM**  
**MATHEMATICS**

**SAUDI ARABIA**  
**CHEMISTRY**

**KAZAKHSTAN**  
**BIOLOGY**

**IRAN**  
**PHYSICS**



**ALL IN JULY 2024**

through **20th NATIONAL SCIENCE TALENT CONTEST (NSTC-20)**



**Rs. 120,000**



**Rs. 80,000**



**Rs. 60,000**



**Rs. 50,000**



**Rs. 20,000**

Besides the Cash Prizes & Certificates, PIEAS will also offer admissions to the members of Olympiads Teams in its BS Programmes without any entrance examination

**ELIGIBILITY CRITERIA**

1. Students of Pre 9<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup> grade (Matric/ O-Level & FSc-1/ A-Level-1)
2. Aggregate Marks of 60% or more in core Subjects i.e Physics, Chemistry, Biology and Mathematics in last exam.
3. Age less than 20 years on 30<sup>th</sup> June 2024

Students who are currently studying in FSc. (Part-II) / A-Level (Part-II) & University students are not eligible to apply.

**SCREENING TEST WILL BE HELD IN 10 MAJOR CITIES**

- Islamabad/Rawalpindi
- Lahore
- Karachi
- Peshawar
- Quetta
- Muzaffarabad
- Multan
- Faisalabad
- Hyderabad
- Gilgit

Test Date:  
**19<sup>th</sup> March 2023**

Last Date to Apply:  
**20<sup>th</sup> February 2023**



For Online Registration  
**[www.stem.edu.pk](http://www.stem.edu.pk)**



**STEM CAREERS PROGRAMME**

A joint venture of **Higher Education Commission (HEC)** and **Pakistan Institute of Engineering & Applied Sciences (PIEAS)**  
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