



**Subject: Invitation to “The 2021 ICPC Asia Topi Regional” at GIK Institute, Topi**

Dear Sir/ Madam,

It gives me an immense pleasure to announce that International Collegiate Programming Competition (ICPC), **Regional** contest, i.e., **The 2021 ICPC Asia Topi Regional On-Site Contest** (<https://icpc.global/regionals/finder/Asia-Topi-2021>), will be held on **19-20 March, 2022** at **GIK Institute, Topi** ([www.giki.edu.pk](http://www.giki.edu.pk)). ICPC is a team-based, programming competition that fosters problem-solving, programming and teamwork skills amongst university students around the globe. ICPC is the number one programming competition of the world and is considered as the world cup of computing. ICPC involves a network of dozens of universities hosting Regional competitions. Participation in Regionals has grown to thousands of the finest students in computing disciplines at over 3,322+ universities from over 115 countries in six continents. The winner team of this regional qualifies for the ICPC World Finals to compete with the best teams of the world. A Preliminary **Asia Topi Online Programming Contest** will be held on **18-19 January, 2022** (<https://icpc.global/regionals/finder/Asia-Lahore-2021>) for practice, overall 200 teams are welcome to join this contest from all over Pakistan. Participation fee for online preliminary contest is 3,000 PKR per team. Top 30-50 teams will be later invited for On-site Regional contest based on COVID-19 situation in Pakistan. Participation fee structure for ICPC Asia Topi Regional contest is 30,000 PKR respectively, per team. Team comprise of three members. Two night stay at GIKI will be facilitated to all the team members on the event. The Winner team of Regionals automatically qualifies for the **46<sup>th</sup> World Final** of ICPC, which will be held in Australia (subject to COVID-19 situation). More information about the GIK Regional ICPC 2021 can be accessed from official web page (<https://giki.edu.pk/ICPC>).

**I look forward to welcome teams from your university at the Preliminary ICPC Asia Topi Online Programming Contest and the Onsite ICPC Asia Topi Regional being held in GIKI Topi, Swabi.** Shall you have any query regarding the contest, do not hesitate to ask. Your student participation and encouragement are highly appreciated. Please join our Facebook event for news alerts for the online contest: ([https://www.facebook.com/events/567818120976600/?active\\_tab=about](https://www.facebook.com/events/567818120976600/?active_tab=about)).

Please deposit the fee at account titled “G.I.K Institute” and account number **PK 70 HABB 0019 7900 0008 5901** of **Habib Bank Ltd, GIK Institute Branch (Topi)**, Pakistan along with **online registration at the ICPC Baylor website**. Registrations for the **Preliminary Asia Topi Online Programming Contest** are supposed to be done as an initial step. After the registration, please share the scanned copy of deposit slip to: [hussain@giki.edu.pk](mailto:hussain@giki.edu.pk) and [icpcpakistan@gmail.com](mailto:icpcpakistan@gmail.com).

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**Dr. Masroor Hussain**

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## Annex A

### **ICPC Regional Asia-Topi held at GIK Institute, Topi**

GIK Institute of Engineering Sciences and Technology has successfully organized **The 2020 International Collegiate Programming Contest On-stie Regional Asia Topi** on **August 4, 2021**. ICPC is a multi-tier programming contest, which includes multi-provincial, regional and world finals. Due to Covid-19, only 22 shortlisted teams have competed the regional contest after an online preliminary contest, which was held online earlier in February. Students of different universities and colleges from across the country, especially Karachi, Lahore and Peshawar, participated in the competition. Due to Covid SOPs, 21 teams participated in the contest at GIK and one IBA team participated at FAST-Karachi city campus.

Nabeel Hussain, Hamza Zaheer and Syed Muhammad Ali from **Fast-NUCES Lahore** won the **Gold medal** and students of Habib University Karachi stood second and third position was awarded to students of Fast University Karachi. The gold medalist team will further participate in the 45<sup>th</sup> ICPC World Finals which will be held in **Dhaka, Bangladesh in November, 2022**. Moreover, Amar Kumar, Nakash and Bilal Khan from **Fast-NUCES Karachi** presented Pakistan in the 44<sup>th</sup> ICPC World Finals that were held in **Moscow from October 1 to October 6, 2021**.

**Dr. Khalid Khan, Director-General of Directorate of Science and Technology, Khyber Pakhtunkhwa** as a Chief Guest distributed gold medals and certificates to the winning teams. He said that students from across the country should be motivated to participate in the international contests so that they may have an exposure.

**Sardar Aminullah Khan, Acting Rector, GIK Institute** said that in era of information revolution, information technology must be conceived broadly to encompass the information that businesses create and use as well as a wide spectrum of increasingly convergent and linked technologies that process the information. Information technology is changing the rules of competition in various ways, is changing the industry structure and is used to create competitive advantage. He stated that the competitions like this are great leap forward and everyone involved in it need special appreciation particularly the youth who are engaged in IT based competition from the platform or ICPC and GIK.

**Special Guest, Dr. Syed Ali Abbas Hasani, Director Pakistan Software Export Board** said that taking initiative, conducting result- oriented research and work for innovation would enable us to move forward and acquire a unique place comity of nations.

**Dr. Masroor Hussain, Director ICPC** spoke in detail about the next two world finals which are scheduled to be held at Moscow and Dahka in October, 2021 and November, 2022, respectively. He also appreciated his core team Engr. Iffat Maab, Associate Director ICPC, Engr. Ehtisham Hassan, Coordinator ICPC, Ms. Sarah Sajjad, Deputy Director ICPC, Syed Arslan, Systems, and Engr. Ali Shaukat, Marketing. He also thanked Rector, Sardar Aminullah and Pro-Rector (A), Dr. Wasim A. Khan for their full support and cooperation for arranging the event.

Dr. Masroor Hussain also thanked Dr. Syed Fawad Hussain, Chief Judge, and Dr. Muhammad Waqas, Chief Invigilator and other judges namely Dr. Umar Suleman, Dr. Yasir Niaz Khan, Dr. Syed Atif Mehdi, Dr. Arshad Islam, Dr. Rashad Jillani, Dr. Muhammad Taj, Dr. Muhammad Hanif and Mr. Sauban bin Usman for their valuable support.

Special thanks were offered to sponsors of the event viz **DoST, KPIT-Board, PSEB, UWORX, GeniTeam, Kualitatem and Virtual Force**.

## Group Photo at GIK Institute, Topi



## First Prize (Overloads, FAST-NUCES, Lahore)



















## Team from Fast-NUCES Karachi at ICPC 2020 World Finals, Moscow, Russia



### Results of top teams

RANK	TEAM	SCORE	3D	CARBON	DIVIDE	DRONE	FOOTBALL	FORBIDDEN	JOWARI	SHOWER
1	 <b>OVERLOADS</b> FAST National University of Computer and Emerging Sciences, Lahore	4 483	2 tries	33 1 try		108 1 try	241 2 tries	1 try	61 2 tries	
2	 <b>Yohsin</b> Habib University	4 648	138 1 try	296 3 tries		131 1 try			43 1 try	4 tries
3	 <b>Spartans</b> NU-FAST Karachi	4 726	261 3 tries	118 1 try		164 6 tries	4 tries	8 tries	43 1 try	
4	 <b>TheVectors</b> NU-FAST Karachi	3 405		159 1 try		125 2 tries			101 1 try	
5	 <b>Code-Blooded</b> Mohammad Ali Jinnah University	3 451	226 2 tries		1 try	41 1 try			164 1 try	1 try
6	 <b>Algo Geeks</b> Punjab University College of Information Technology	2 105	2 tries			75 1 try	1 try		30 1 try	
7	 <b>Trojans</b> NU-FAST Karachi	2 140	5 tries	3 tries		109 1 try	1 try	4 tries	31 1 try	
8	 <b>Coding Bats</b> Institute of Business Administration, Karachi	2 267		1 try		189 1 try			98 1 try	
9	 <b>Sputnik</b> University of Management and Technology	1 55	4 tries	3 tries	1 try	1 try			55 1 try	
10	 <b>Programmers</b> Punjab University College of Information Technology	1 98		3 tries					98 1 try	
11	 <b>PUCIT_NC_BCS_18_M</b> Punjab University College of Information Technology	1 101	6 tries						101 1 try	
12	 <b>Back Trackers</b> Punjab University College of Information Technology	1 161	4 tries			3 tries			161 1 try	1 try
13	 <b>Callback Cats</b> FAST-National University of Computer and Emerging Sciences, Peshawar	1 299							299 1 try	
14	 <b>Phoenix</b> NU-FAST Karachi	1 357				2 tries	2 tries		297 4 tries	