



The 2021 ICPC Asia Topi Online Preliminary Programming Contest

Event Report

GIK Institute of Engineering Sciences and Technology successfully organized “The 2021 ICPC Asia Topi Online Preliminary Programming Contest” on **25-26 January, 2022**. The event was held over a period of two days, such that a mock round was conducted on 25th January, 2021 and the actual contest was held on 26th January, 2022.

The event was inaugurated with a tech talk “**End to End ML: Prototype to Production**” by Engr. Suleman Kazi, Software Engineer at **Google**. This informative and enlightening zoom session of about 1.5 hours was followed by a Hi-Tea for all faculty members and staff (TAs/ AD and above). The talk and the Hi-Tea both were sponsored by **Axis Mall** and **Toyota Khyber**. After the refreshments a three hour long online mock session of the contest was conducted. **NU-FAST Karachi** (*Team Trojans 1*), **Muhammad Ali Jinnah University** (*Team Mavericks*), and **Punjab University College of Information Technology** (*Team Algo Geeks*) made it to the top three positions, respectively, in the trial session.

Around 143 teams, 429 contestants, from 17 different universities across Pakistan participated in The 2021 ICPC Asia Topi Online Preliminary Programming Contest. It would be worth mentioning here that Capital University of Science and Technology showed active participation by registering 36 teams while FAST Chiniot- Faislabad Campus registered a total of 21 teams from their Institute. The first prize in the Preliminary Contest was bagged by Omar Kashif Majeed, Muhammad Zulfiqar Ali and Hamza Hasan Ellahie (*Team Pentateuch*) from **GIK Institute of Engineering Sciences and Technology**, mentored by Mr. Jalees Ur Rahman. The second prize was won by Shams Arfeen, Ali Haider Rizvi and Fasih Hussain (*Team Yoshsin*) from **Habib University**, the team been coached by Mr. Waqar Saleem. Vikash Kumar, Laksh Kumar and Mohit Kumar (*Team Pegasus*) mentored by Mr. Muhammad Rafi from **NU-FAST Karachi** won the third prize.

A panel of nine judges presided the contest while Dr. Syed Fawad Hussain from GIK Institute of Engineering Sciences and Technology chaired the session as a Chief Judge. Dr. Yasir Niaz Khan, Dr. Muhammad Hanif, Dr. Raja Hashim Ali and Dr. Usman Habib also joined from GIK Institute. The judging committee further comprised of Dr. Umar Suleman and Dr. Syed Farooq Ali from University of Management Technology, Dr. Syed Atif Mehdi from University of Central Punjab and Dr. Arshad Islam from FAST-NUCES Islamabad.

ICPC Asia Topi appreciates the relentless efforts of its core team Dr. Masroor Hussain, Director ICPC Asia Topi, Sarah Sajjad, Deputy Regional Contest Director, Shakir Ahmad and Usman Haider as Systems Co-chairs. We also admire the valuable support from the judging committee for their significant contribution into the event. A special thanks to Saad Ismail from Estonia, Systems Co-chair without whose timely assistance the event would not have been possible. We are highly indebted to Prof. Dr. Fazal A. Khalid, Rector GIK Institute, Prof. Dr. Wasim A. Khan, Pro-Rector (A), Sardar Aminullah Khan (Pro-Rector A&F), and Dr. Ahmar Rashid (Dean FCSE) for their overwhelming support and cooperation in organizing the event.

Special thanks to our sponsors for being the backbone of the event viz **Pakistan Software Export Board (PSEB)**, **Tech Destination Pakistan**, **Ministry of IT and Telecom**, **Higher Education Commision Pakistan**, **UWorx**, **Geniteam**, **Airlift Express**, **Noon**, **Axis Mall** and **Toyota Khyber**.

Snapshot Glimpse of the Event

Judges and System Co-chairs at GIK Institute, Topi



Judges from UCP and UoL at UWorx, Lahore



Prof. Dr. Fazal A. Khalid, Rector GIK Institute



Teams from Capital University of Science and Technology (CUST)



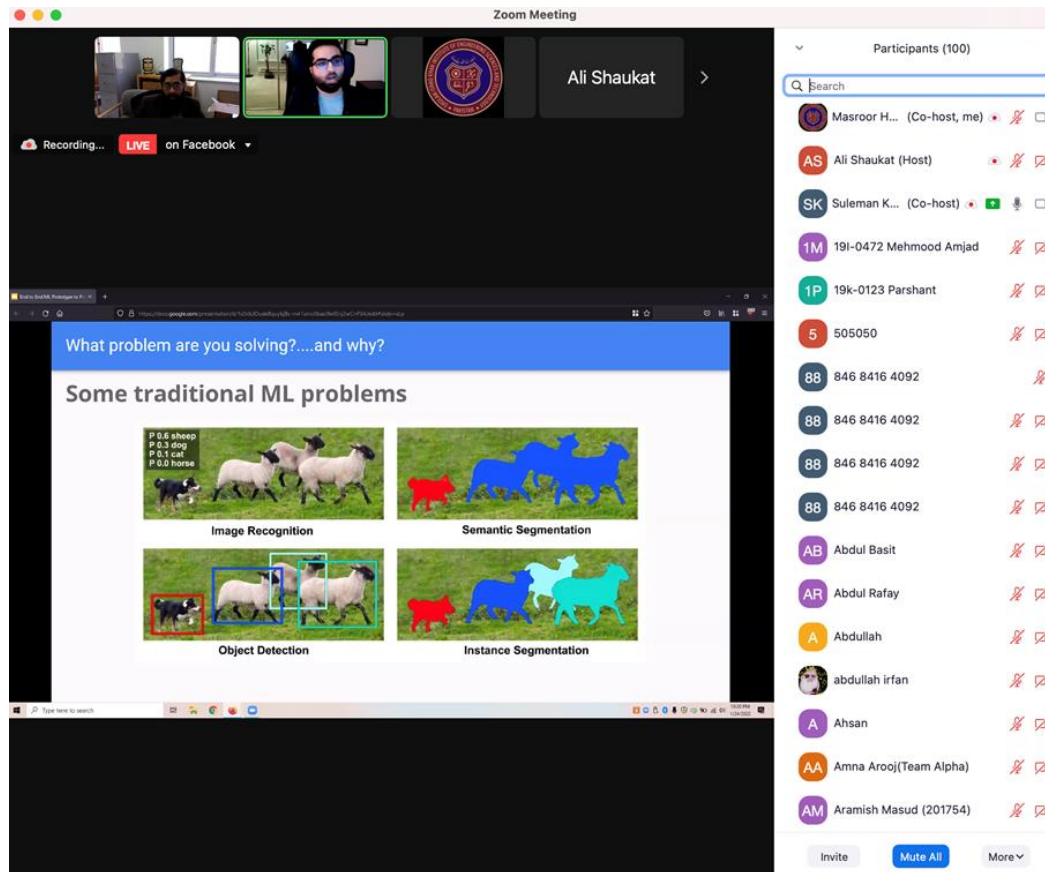
Teams from FAST Faisalabad Campus (CFD)



Hi-Tea sponsored by Toyota Khyber and Axis Mall



Tech Talk by Engr. Suleman Kazi, Software Engineer, Google



Zoom Meeting

Recording... **LIVE** on Facebook

What problem are you solving?...and why?

Some traditional ML problems

Image Recognition

Object Detection

Semantic Segmentation

Instance Segmentation

Participants (100)

Search

Masroor H... (Co-host, me)

Ali Shaukat (Host)

Suleman K... (Co-host)

19I-0472 Mehmood Amjad

19k-0123 Parshant

505050

846 8416 4092

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846 8416 4092

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Abdul Basit

Abdul Rafay

Abdullah

abdullah irfan











Ahsan

Amna Arooj(Team Alpha)











Aramish Masud (201754)

Invite Mute All More

Day 1- Results of top 10 Teams from the Mock Session

The 2021 ICPC Asia Topi Online Preliminary Programming Contest (Trial)							final standings
Filter							
RANK	TEAM	SCORE DENOMINATIONS ○ MULTIPLE_MATRICES ○ NUMBER_GAME ○ PICKUP_STUDENTS ○					
1	 Trojans 1 NU-FAST Karachi	4	616	148 1 try	168 1 try	141 1 try	139 2 tries
2	 maverics Muhammad Ali Jinnah University	4	640	136 1 try	162 1 try	137 1 try	205 1 try
3	 Algo Geeks Punjab University College of Information Technology	4	645	157 1 try	172 1 try	147 1 try	169 1 try
4	 SignBIT National University of Computer and Emerging Sciences, ISB	4	657	152 1 try	179 2 tries	135 1 try	131 3 tries
5	 CodeRip FAST National University Faisalabad	4	708	192 2 tries	159 2 tries	149 1 try	168 1 try
6	 Yohsin Habib University	4	718	146 3 tries	151 2 tries	148 1 try	173 3 tries
7	 Titans Information Technology University Punjab	4	732	164 2 tries	172 1 try	151 3 tries	185 1 try
8	 The Vectors NU-FAST Karachi	4	735	159 3 tries	154 1 try	162 1 try	180 3 tries
9	 Triple S Habib University	4	747	157 2 tries	169 3 tries	152 1 try	209 1 try
10	 Static Startup NU-FAST Karachi	4	750	182 3 tries	178 1 try	142 1 try	208 1 try

Day 2- Results of top 10 Teams

RANK	TEAM	SCORE	ANAGRAM	BRACKETS	GUIDE	HENS	LBE	QUIZ	WOODMAN
1	 Pentateuch GIKI Institute of Engineering Sciences and Technology	6 659	108 5 tries	54 1 try	89 2 tries	130 2 tries		35 1 try	123 1 try
2	 Yohsin Habib University	6 1339	9 1 try	224 5 tries	282 11 tries	131 3 tries		88 1 try	205 5 tries
3	 Pegasus NU-FAST Karachi	5 326	15 3 tries	35 1 try	19 tries	56 1 try		86 1 try	74 2 tries
4	 The Vectors NU-FAST Karachi	5 471	60 3 tries	5 1 try	8 tries	30 1 try	4 tries	242 5 tries	14 1 try
5	 Trojans 1 NU-FAST Karachi	5 672	9 tries	50 4 tries	190 2 tries	97 1 try		127 1 try	88 3 tries
6	 Team of Culture National University of Computer and Emerging Sciences, ISB	5 694	17 4 tries	37 1 try	7 tries	165 1 try		159 1 try	196 4 tries
7	 Lady Bugs Punjab University College of Information Technology	5 698	53 1 try	32 2 tries		157 3 tries		244 2 tries	112 2 tries
8	 Renegades Punjab University College of Information Technology	5 821	26 1 try	14 1 try	5 tries	190 5 tries	6 tries	271 4 tries	100 5 tries
9	 Algorithm Unlock NU-FAST Karachi	5 862	90 6 tries	9 1 try	150 4 tries	128 1 try		285 3 tries	5 tries
10	 Multiverse Habib University	5 867	23 1 try	260 3 tries	9 tries	60 1 try		234 1 try	210 3 tries