



Prof. Phalguni Gupta,
Regional Contest Director,
Kolkata-Kanpur Site,
International Collegiate Programming Contest 2018

Report from the Contest Director

The contest challenges students, working in three-person teams, to rely on their programming skills and creativity during a five-hour battle of logic, strategy, and mental endurance. Students solve complex problems using both traditional and new software development tools. The Kolkata-Kanpur Site contest-2018 is a multi-site contest and was held at Kolkata (West Bengal) as well as Kanpur (Uttar Pradesh) of India. This contest is organized by National Institute of Technical Teachers' Training and Research, Kolkata. The onsite round in Kolkata was hosted by JIS Group, Kolkata, whereas University Institute of Engineering and Technology, CSJM University, Kanpur hosted the onsite round in Kanpur. This event is sponsored by ICPC Foundation and Jet King with local partner CodeChef.

This year 1391 teams from all over the Asia have shown their interest in Kolkata -Kanpur Site and registered themselves. Because of limited number of slots at Kanpur and Kolkata, a preliminary online contest was organized on October 23, 2018. This contest was organized to select best teams for the Kolkata-Kanpur onsite round. A total of 898 teams participated in this online contest and top 162 teams are selected for the Onsite round to be held on 21 and 22 December, 2018. Out of these 162 qualified teams 96 teams registered at Kanpur while remaining teams are at Kolkata on December 22, 2018. Teams from all the Premier Educational Institutions of India participated in the contest. Compositions of these teams are as follows:

Total Teams	1391
Number of Distinct Institutions	459
Number of Coaches	1249
Number of Female Participants	313
Number of Male Participants	3534
Total Number of Participants	3847

The Statistics for Teams qualified for Kolkata-Kanpur Onsite round are as follows:

Total Teams	162
Number of Distinct Institutions	157
Number of Coaches	156
Number of Female Participants	28
Number of Male Participants	457
Total Number of Participants	485

I am proud to inform you that the International Collegiate Programming Contest [Asia Region Kolkata-Kanpur Site] was conducted successfully. It was a multi-site contest at CSJM Kanpur University, Kanpur and Guru Nanak Institute of Technology, Kolkata. It is a matter of great honor to be able to organize this contest in India continuously for the nineteenth time in a row. I am happy to say that the Contest really went off very well. This was largely due to the wonderful teamwork of CSJM Kanpur University and Guru Nanak Institute of Technology, Kolkata under the leadership of Dr. Sandesh Gupta along with Dr. Sudhanshu Pandiya, Dr Deepak Verma and Dr. Alok Kumar of CSJM University, Kanpur and Mr. Gaurav Majumder of Guru Nanak Institute of Technology, Kolkata.

Teams started arriving on the campus from December 20, 2018 morning onwards with lot of hopes, ideas and enthusiasm. In the evening of December 21, we had the Inaugural function simultaneously at both the sites. Inaugural speeches were delivered by Prof. Neelima Gupta, Vice Chancellor There was one keynote speech delivered by Mr. Anup Kalbalia of Directi.





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To enable contestants to become familiar with the environment, on December 21, 2018 we had a practice session, which started at 4:00 PM and continued till 5:00 PM. On December 22, 2018 the contest began at 10:30 AM. It was of five hours duration. There were 12 problems. We are glad to note that 11 distinct problems were solved.

Results were declared on December 22, 2018 at 5:00 PM. However, on analyzing one problem after that, judges realized that there was a need to reevaluate/ rerun all solutions again and the judges team reported that in one problem, the test data was found to be wrong. The test data was fixed and all submissions were rejudged. 4 teams were affected due to this. Among of which 2 teams had their Answer Correct turned into Wrong Answer while 2 other teams had their Wrong Answer turned into Answer Correct. The rank list was updated accordingly. It can be noted that if the two Answer Correct had not been turned into Wrong Answer but kept as it was, even then, the rank list would be the same as the new rank list.

Finally, we are glad to announce that Indian Institute of Technology Roorkee (Team Name: Hold right there Sparky!!) is the Winner of the Contest. The team could solve 9 out of 12 problems. There are 3 more teams who could solve 8 problems. Persistent Matroid of Indian Institute of Technology, Kharagpur has become the runner-up while second runner-up is TooLazyToPropagate of Indian Institute of Technology, Varanasi. There are 9 teams who could solve 7 problems while 4 teams could solve 6 problems. There are 29 teams who could solve at least 5 problems. Further, I am happy to inform that all 159 teams could solve at least 1 problem. Results are available on our web site <http://icpckolkata.in/result-of-onsite-round/>.

The Contest provided a platform where our future programmers, professionals, industries and government organizations worked together. It would have been impossible to organize this event without the wonderful support I received from everyone. My grateful thanks to all the contestants, coaches, all team members of Codechef, ICPC contest organizers, the administration of UIET, CSJM University, Kanpur, JIS Group, Kolkata and NITTTR, Kolkata, my working committees, volunteers, service providers, and a lot of people who helped from both within and outside the Institute. I also thank the media for providing wide publicity to this contest.

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ICPC (Asia Region -Kolkata-Kanpur Site) - 2018



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