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ACM International Collegiate Programming Contest Asia Region, Asia-Dhaka Site Regional Contest 2012

Saturday December 8, 2012

Director's Report

Syed Akhter Hossain

Introduction

The Asia-Dhaka site contest was conducted by Daffodil International University, Bangladesh in a grand manner in an International venue with a preliminary round online contest for the first time in Bangladesh. As we expected, this large regional contest was held with a presence of number of foreign teams from China and India in a five star hotel.

Location of the Contest

- Grand Ball Room of Radisson Blu Water Garden Hotel

Sponsorship and Partnership

- a. Primary sponsor: IBM
- b. Platinum Sponsor: CloudSpokes.com
- c. Silver Sponsor: Therap Services (BD) Ltd
- d. Hardware Support Partner: Global Brand and ASUS
- e. Network Support Partner: Gazi Communications and ESL

Preparation and Registration

- a. First press conference on ACM-ICPC Dhaka 2012 was held on October 7 2012 to inform press and media about the plan of the contest. The venue was Dhaka Reporters Unity with support from the host.
- b. Teams were invited to register for preliminary round online contest in October 2012 through all possible communications. The registration of teams for the online site was free.
- c. Preliminary online contest held on November 10, 2012. 400 teams participated from all over Bangladesh. Dhaka regional teams were selected based on the performance and other criteria from this online contest and invited to the onsite contest on the last week of November 2012.



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- d. During the online contest, the team visited neighboring universities to see the contest participations.
- e. The pre-selection of the teams began with a well formed preliminary round rules created by the Judging team
- f. The second press conference was held on 26 November 2012 at National Press Club to inform press and media on the entire preparation of the ACM-ICPC Dhaka 2012 onsite event. There was a huge presence of press and media and for the first time ACM-ICPC Dhaka 2012 received huge media coverage prior to onsite event.
- g. The Registration Fee for the onsite event was as follows:
 - Local team: BDT5,000.00 (Five thousand taka)
 - Foreign team: USD100.00 (One hundred)

h. The registration fee covered the following:

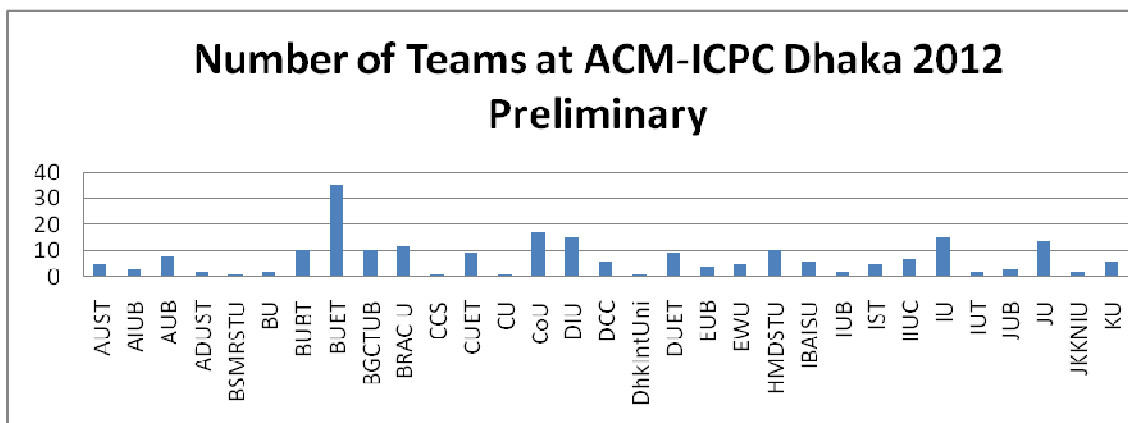
- Contest Kit (Bag, T-Shirt, ACM Souvenir from Daffodil International University, Pad, Pen etc)
- Contest Fun events, Luncheon and Dinner at Radisson Blu
- Pick-up and drop-off along with the transport supports
- Entertainments

Onsite Contest Prizes

ACM-ICPC Dhaka 2012 gave away many prizes and they are as follows:

- Champion Trophy (for the first time in Dhaka)
- Cash Prizes for top twenty teams (of different amounts based on the rank)
- ACM-ICPC Dhaka 2012 Crest
- ACM-ICPC Certificate

Online Preliminary Round Statistics



Regional Dhaka Site Event

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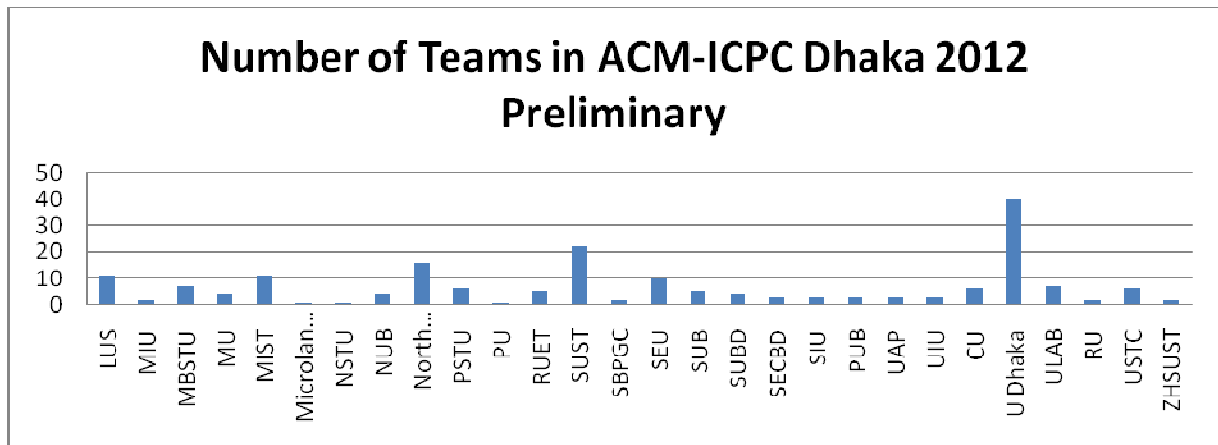
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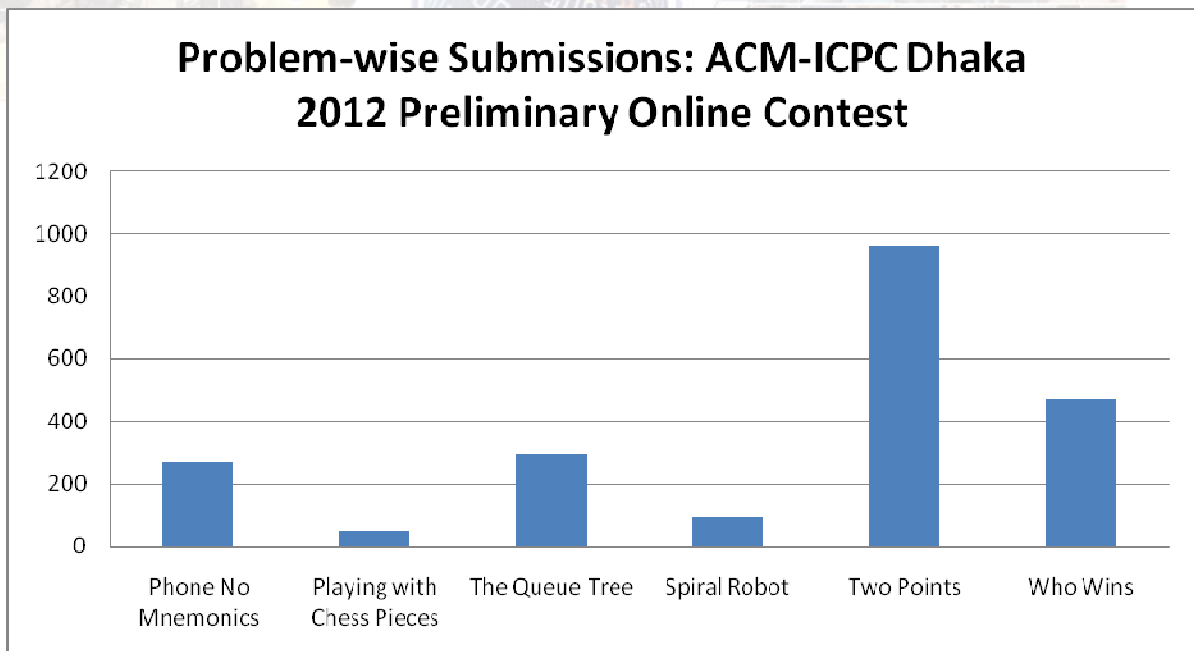
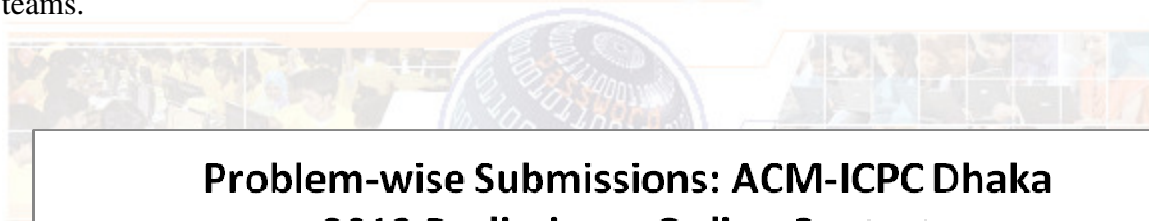
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As seen in the above figures, after the registration deadline, 438 teams registered from 65 institutions for the preliminary round online contest. Amazingly among these registrations there were universities and institutions with 30+ teams, 15+ teams, and 10+ teams.





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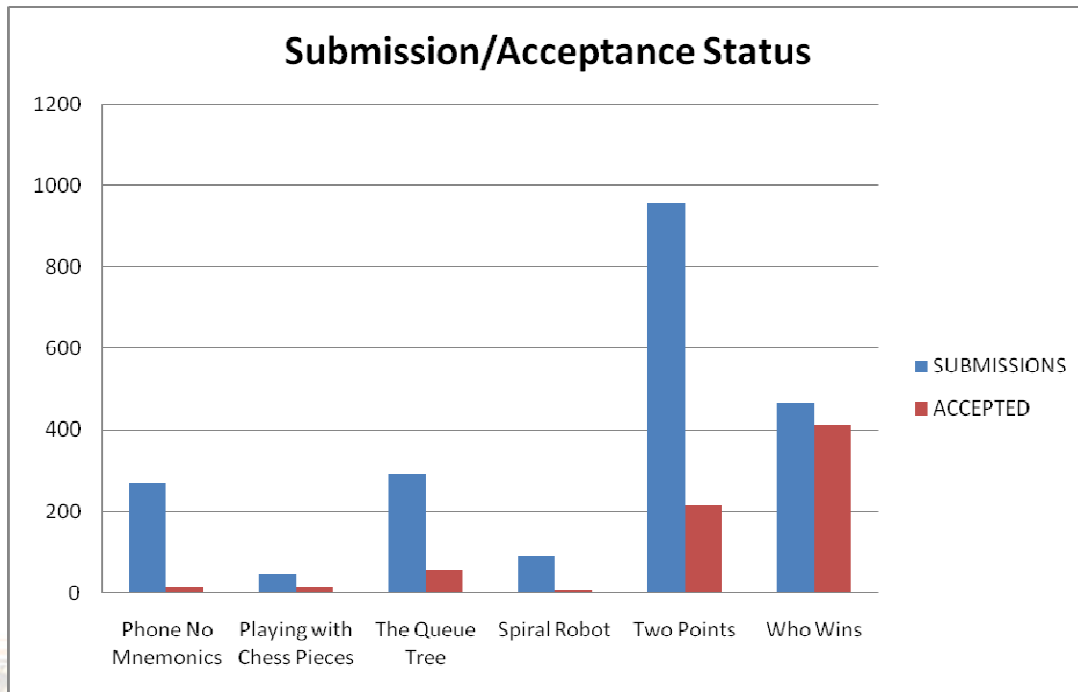
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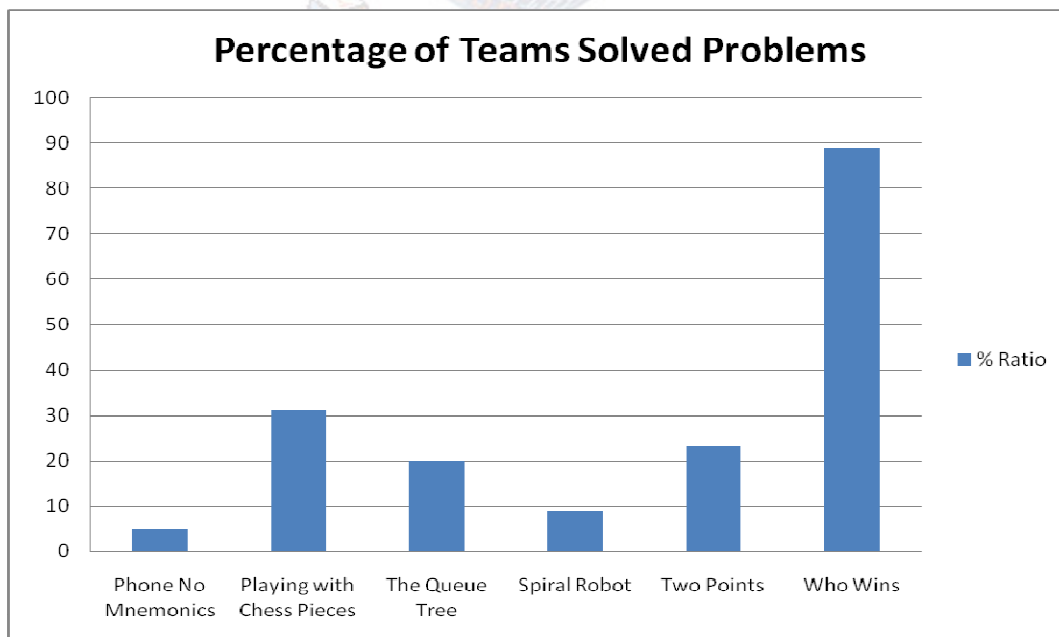
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The preliminary round online contest was successful with a good problem solving statistics. The team percentage of problem solving is shown below.





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Onsite Contest Participation

In ACM-ICPC Dhaka Regional 2012, a total of 149 teams attending from different public and private universities are: BUET(10), DU(10), SUST(8), NSU(5), ADUST(1), AIUB(3), AUB(2), AUST(2), BGCTrust(2), BRACU(3), PUB(1), BSMSTU(1), BU(1), KU(2), DHKIU(1), CU(3), CUET(4), BUBT(4), CoU(1), DCC(3), DIU(5), DUET(3), EUB(3), HMDSTU(2), IBAIS(1), IIUC(3), IST(1), IUK(2), IUB(1), IUT(2), JKNIU(1), JnU(1), JU(3), KUET(4), ULAB(1), UIU(3), LU(1), MBSTU(4), MIST(4), MU(1), NUBC(1), NSTU(1), EWU(3), NUB(1), PSTU(1), RU(2), RUET(4), SBPGC(1), SEC(1), SEU(4), SIU(1), SU(2), SUB(3), MIU(1), UAP(2), USTC(3), ZHSTU(1)

Beside there are *Foreign Teams* from: (1) Shanghai Jia Tong University (2) Fudan University and (3) LMIIT Bangalore

Country Name	Number of Teams
Bangladesh	146
China	2
India	1
Total	149

Onsite Contest Event

The onsite contest event was held at Radisson Blu water garden hotel on Saturday 8 December 2012. The Grand Ball Room (GBR) was decided as the contest floor and another large hall Utshab was allocated all the technical talks and other sessions with fun events. The award night was also held in GBR after onsite contest. The program schedule was as follows which was maintained in good discipline.

VENUE: GRAND BALL ROOM

07:30am	Judges and committee people arrived at Radisson Blu
08:00am	Contest Team arrived at Radisson Blu Water Garden Hotel
08:20am	Contest Team entered Grand Ball Room with ACM-ICPC Theme Music
08:20am	Coaches and other invitees arrived at Utshab Hall
09:00am	Guest and Invitees arrived at Grand Ball room
09:00am	Inauguration of Asia Regional Dhaka 2012
09:00	National Anthem
09:05	Daffodil Theme Song
09:10	Welcome by Regional Contest Director
09:15	Welcome by the Vice-Chancellor (Professor M Lutfar Rahman)
09:20	Welcome by Professor Bill Poucher (in video)
09:22	Instructions for the contestants by the Chief Judge



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09:27	Problem set distributions by Contest Marshalls
09:30	Address by Chief Guest (Honorable Minister, Ministry of ICT, Government of the Peoples Republic of Bangladesh)
09:38	Address by Special Guest (Honorable Secretary, Ministry of ICT, Government of the Peoples Republic of Bangladesh)
09:45	Address by Chief Patron (Md Sabur Khan, Chairman, Daffodil Group and President, Dhaka Chamber of Commerce and Industries)
09:55	Contest Opening by Chief Guest
10:00am-03:00pm	ACM ICPC Dhaka Regional 2012 Contest began

VENUE: UTSAB PRE-FUNCTION AREA AND HALL

08:00am	Committee members, Coaches, Partners and other Invitees entered Utshab Hall (Level G)
08:00am-09:00	CloudSpokes Registration for Coaches and other attendees
09:00am	Live from Grand Ball Room (live display from GBR contest floor)
10:00am	Live Score display from Grand Ball Room (score will be displayed on multimedia)
10:30am-11:00am	TechTalk 1: <i>Java Web Application Frameworks</i> by Mr Mojahedul Hoque Abul Hasanat, CTO, Therap (BD) Ltd Venue: Utshab Hall
11:00am-11:30am	TechTalk 2: <i>SJTU and ACM-ICPC</i> by Dr Yan Liu, Shanghai Jiao Tong University, China Venue: Utshab Hall
11:30am-12:00pm	TechTalk 3: <i>Help the Students to be a better programmer. What role can we play?</i> by Mr Tamim Shahriar, Former World Finalist of ACM-ICPC Venue: Utshab Hall
12:00pm-12:40pm	Game 1: <i>Appirio Ninja Server Game and CloudSpokes Ambassador Contest for Caches</i> by Mr Das Nobel, CloudeSpokes.com, USA Venue: Utshab Hall
12:40pm-01:20pm	Career Talk 1: <i>Career in 21Century: Bangladesh Context</i> by Mr Syed Mizanur Rahman, Director, Student Affairs, Daffodil International University Venue: Utshab Hall
01:20pm-02:00pm	Fun Event 1: <i>CloudSpokes Dance for Coaches (Gangnam Style)</i> , CloudSpokes and MTX Team directed by Mr Das Nobel, CloudeSpokes.com, USA Venue: Utshab Hall and Pre-Function Area
02:00pm-2:30pm	TechTalk 4: <i>The New Networks</i> by Mr Saikat Ghosh, Senior Technology Consultant, Juniper Networks, India Venue: Utshab Hall
02:30pm-2:50pm	Invited Talk from Grameen Phone IT Venue: Utshab Hall
02:50pm – 03:30pm	Contest Luncheon (all attendees take lunch together, all with badges) Venue: Food Area of Radisson Blu



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- 03:30pm-04:00pm TechTalk 5: *Developing Application on Force.com & Heroku Platform* by Dr Das Nobel, Solution Architect, CloudSpokes.com, USA
Appirio Ninja Server Games Giveaways
Venue: Utshab Hall
Contestants Registration at CloudSpokes
Venue: Utshab Pre-Function Area
- 04:00pm-05:30pm Fun Event 2: *Gangnam Style Dance* (Best dancer gets iPod Touch)
CloudSpokes Ambassador Contest – Certificates and Gifts will be awarded
Interview at the CloudSpokes by CloudSpokes Team
Venue: Utshab Pre-Function Area and Hall
- 05:30pm-05:45pm Fun Event 3: *Crypto Challenge*
by ACM-ICPC Dhaka 2012 Judges
Venue: Utshab Hall
- 08:00am-05:30pm *Service Showcase by Therap (BD) Services Ltd*
Product Showcase by Gazi and Juniper
Product Showcase by Global Brand Pvt Ltd
Recruitment Fair by Grameen Phone IT and CDC
Project Showcasing by Daffodil International University
- 06:00pm-08:00pm *Award Night: Live display from Grand Ball Room begins at Utshab Hall (coaches and other invitees stay back in the Utshab Hall and enjoy the cultural show)*
- 06:00pm **Award Night of Asia Regional Dhaka 2012**
- 06:00pm Guest Arrived at Grand Ball Room
- 06:00pm Welcome by the Vice-Chancellor (Professor M Lutfar Rahman)
- 06:05pm Address by the Chairman, Daffodil Group (Md Sabur Khan, President, DCCI)
- 06:10pm ACM ICPC Dhaka Regional 2012 Special Moments (video display)
- 06:15pm Showcase of Daffodil (Video Display)
- 06:35pm Address by Chief Guest (Honorable Minister, Ministry of Information, Government of the Peoples Republic of Bangladesh)
- 06:50pm ACM-ICPC Dhaka Regional 2012 Excitements (video display)
- 07:00pm Problem Set Analysis by Judging Director
- 07:10pm Result Declaration by the Chief Judge
- 07:20pm Award and Celebration
- 07:40pm Partners and Speakers Recognition
- 07:50pm Vote of Thanks by Regional Contest Director
- 08:00pm Cultural Night and Dinner
- 10:00pm Transport back to University



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Onsite Contest Environment and Problem Set

Problem set was designed under the guidance of world finalist and judge Shahriar Manzoor and Mahmudur Rahman. The following panelist worked for the review of the problem set:

Problems Review & Selection Panel:

- Derek Kisman, Translattice, USA (ACM ICPC World Finals Gold Medalist and World Finals Judge 2004-2013).
- Rujia Liu, Eryiju, China (ACM ICPC World Finals Gold Medalist).
- Jane Alam Jan, Google, USA (ACM ICPC World Finalist 2009).
- Sohel Hafiz, University of Texas at San Antonio, USA (ACM ICPC World Finalist 2008).
- Shahriar Manzoor, Southeast University (President, BAPS).

Problemsetting Panel (Members of the panel above included):

- K. M. Hasan, Southeast University (Member of Elite Problemsetters' Panel of UVa OJ).
- Abdullah al Mahmud, University of Central Florida (ACM ICPC World Finalist 2005).
- Mohammad Mahmudur Rahman, Mukto Software Ltd (Vice President, BAPS).
- Manzurur Rahman Khan, Google, USA (ACM ICPC World Finalist 2005, 2006).
- Md. Arifuzzaman Arif, Google, USA (ACM ICPC World Finalist 2008).
- Sabbir Yusuf Sanny, Google USA (ACM ICPC World Finalist 2007, 2008).
- Tanaeem M. Moosa, Google, USA (ACM ICPC World Finalist 2009, 2010).
- Md. Mahbul Hasan, BUET (ACM ICPC World Finalist 2008, 2009).
- Md. Towhidul Islam Talukder, SDSL (Problemsetter of Different National Contests and Regional Contests) (Only involved with Dhaka Site Preliminary Contest).
- Mir Wasi Ahmed, Mukto Software Ltd (ACM ICPC World Finalist 2012) (Only involved with Dhaka Site Preliminary Contest).

ACM-ICPC Dhaka 2012 problem set had 11 problems and teams attempted to solve problems. Contestant received balloon by the balloon volunteers for successful solution. The team also received extra big balloon for the first solution. Maximum 7 problems got solved by 2 teams and the solution statistics is shown below:



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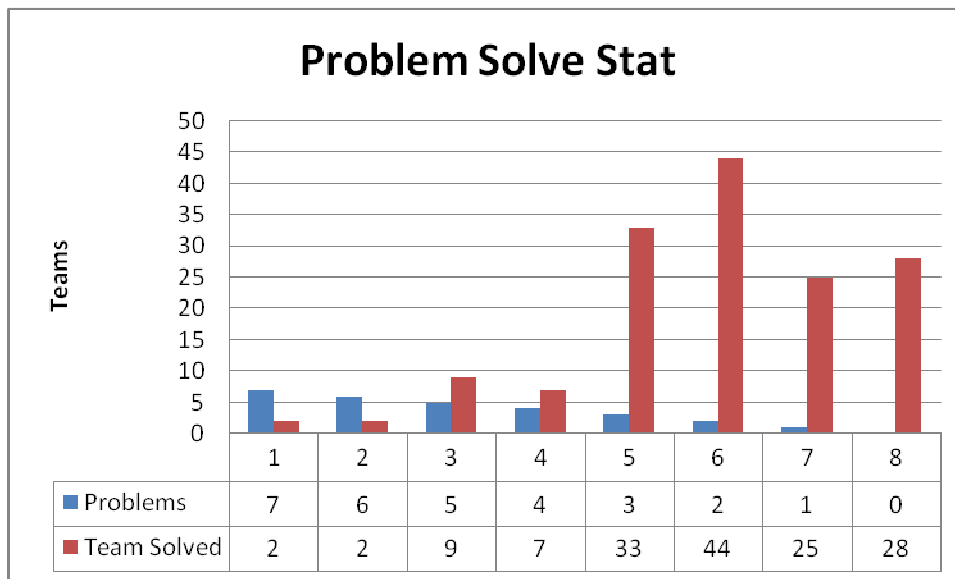
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Rejudgment of Problem I:

Due to a non-trivial bug in both the judge solutions of problem I, the judges had to rejudge all the submissions of problem I. After re-judging the rank of the following teams improved or penalty was reduced)

DU Angry Birds (From 12th to 6th place) (6 <- 12)

BUET Raikiri (From 33rd to 16th place)

EWU Agroduct (From 13th to 10th place)

BUET Variables (From 14th to 11th place)

DU Assault Everyone (From 19th to 18th place)

BUET Choker (Their rank remained same but penalty reduced)

NSU Ardent (Their penalty was reduced)

In the prize giving ceremony, top 20 teams were given prize. So after re-judging all the submissions of problem I, the policy is maintained so that the rank of no team should worsen after re-judgement (Similar to what was done after re-judgement in World Finals 2000).

Some General Comments

All our sponsors and partners played active role in making ACM-ICPC Dhaka 2012 a grand success. The hardware partner helped enormously to facilitate necessary laptops and other required hardware. The network partner provided all the necessary switches and technical support to lay down network in GBR.



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The TechTalk speakers along with the participation in fun events and the games on the cloud by Mr Das Nobel of CloudSpokes.com were exciting too.

The sweet little boys and girls from Daffodil International School played the role of balloon volunteers and it was really a cheerful moment for them to giveaway balloon to the winning teams. The system people specially under the leadership of Nadir Bin Ali, the systems committee chair, worked relentlessly to make the entire contest system flawless.

The ACM-ICPC Dhaka 2012 volunteers, the red t-shirt, worked round the clock and supported all the events of the day both in GBR and utshab area. They performed to their best and received accord from the attendees.

The Air Rover unit of Daffodil International University gave additional support to the success of ACM-ICPC Dhaka 2012.

Event Feedback

The feedback from all the sponsors and support partners, coaches, contestants, techtalk speakers etc. were good and remarkable. We are happy that we were able to successfully conduct this international prestigious contest, and look forward to conducting many more such events with the ICPC global family.

Dr Syed Akhter Hossain

Regional Contest Director

ACM-ICPC Dhaka Regional 2012

Professor and Head

Department of Computer Science and Engineering

Daffodil International University

102 Shukrabad, Mirpur Road

Dhaka 1207

Bangladesh

Mob: +880 1817 382645

Skype: syed.akhter.hossain