

## 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. Out of 132 teams participated in the online contest on September 30, 2010, we selected top 64 teams for the onsite contest at IIT Kanpur. Composition of these 64 teams are as follows:

No. of Teams	North	South	East	West	Foreign	Total
Registered	54	40	41	33	2	170
Online Contest	48	31	31	21	1	132
Onsite Contest	18	14	20	11	1	64

Further we have the following contestants' statistics.

No. of Teams	Male	Female	Total
Registered	416	25	441
Online Contest	370	24	394
Onsite Contest	184	7	191

I am proud to inform you that the 12th ACM International Collegiate Programming Contest [Asia Region Kanpur Site] was conducted successfully at the Indian Institute of Technology Kanpur (India). It's a matter of great honor to be able to host this contest for the twelfth 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 IIT Kanpur.

Teams started arriving on the campus from December 9, 2010 onwards with lot of hopes, ideas and enthusiasm. On December 11, 2010, Professor Brahma Deo, Dean of Faculty Affairs, Indian Institute of Technology Kanpur welcomed all the contestants for this mega event. Professor S. G. Dhande, Director of the Institute talked about the ACM ICPC at IIT Kanpur. There were three key-note speeches delivered by three distinguish speakers, Mr. Bhooshan P. Kelkar, IBM Country Manager, University Relations, IBM India, Mr. Bhavin Turakhia, Chief Executive Officer, Directi, India, and Mr. N. Koshy, Executive Director, National Security Depository Ltd, India. Abstracts of their talks are given in Appendix.

To enable contestants to become familiar with the environment, on December 11, 2010 we had a practice session, which started at 3:00 PM and continued till 4:00 PM. In the evening we had a cultural programme. On December 12, 2010 the contest began at 9:30 AM. It was of five hours duration. There were 11 problems.

Results were declared on December 12, 2010 at 6 PM by Professor Kripa Shanker, Vice-chancellor of Uttar Pradesh Technical University, Lucknow and Professor R. K. Thareja, Deputy Director, Indian Institute of Technology Kanpur, Kanpur, India. We are glad to announce that Institut Teknologi Bandung, Indonesia (Team Name:

Dongskar Pedongi) is the Winner of the Contest. The team could solve 8 problems. International Institute of Information Technology, Hyderabad, India could solve 7 problems while there are 4 teams who could solve 5 problems. Results are available on our web site <http://www.cse.iitk.ac.in/users/acm/ranks.htm> There are 48 teams who could solve at least one problem.

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 Directi, ACM contest organizers, the IIT Kanpur administration, department colleagues, 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.

Dr. P. Gupta  
Contest Director,  
ACM ICPC Kanpur Site

## Importance of Innovation: Patent, Publish or Perish!!

Dr. Bhooshan Kelkar

Country Manager,

IBM India University Relations

### Synopsis

It is very important to recognize the importance of innovation and its relevance in career development. While our students are focusing on getting good grades, we ought to be mindful of the Intellectual Property we are generating even during our student days. The session aims to underscore the competitiveness that we stand to gain from concerted efforts on innovation and IPR. The session will also elaborate how publishing and patenting immensely help your career growth, basic concepts and steps in publishing, different levels of publishing, and also basic concepts and steps in patenting. Some generic examples will also be discussed to highlight patentability.

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*Dr. Bhooshan Kelkar, Ph.D. who is the Country Manager, IBM India University Relations, has a professional experience of more than 15 years. He has been with IBM for more than 10 years, in the US and India, and has experience in Control Engineering, Information Management, Healthcare-Life Sciences, and Intellectual Property Law. Bhooshan holds a BTech from IIT Bombay (1991), MS (1992) and PhD (1995) from the UK, along with a Bioinformatics Certification (2002) from University of California and a Certificate in IP Law (2008) from Watson Research Training Center, NY. He holds 6 US patents in multiple technologies. Bhooshan worked as a patent engineer in IBM India for about 2.5 years. Bhooshan has designed/delivered courses in Universities in the UK, USA and India.*

*Bhooshan has edited/written 10 non-technical books. He is the author of 2008 Marathi best seller book "Swadesh". Bhooshan has been interviewed by 'All India Radio', TV channels such as 'Zee Business', 'IBN Lokmat', "Vyas Channel" of the UGC and at many public events.*

# My Entrepreneurial Journey & Programming in India Today

Bhavin Turakhia

Chief Executive Officer, Directi

## Synopsis

Persistence, hard work and innovation have taken Bhavin from being a techie to the successful entrepreneur of a \$300 million business. The session aims to motivate students to think out of the box and to take advantage of the untapped IT potential in the country today. Listen to what Bhavin thinks of programming in India today, the importance of being recognized through competitions such as the ACM ICPC and why it is time we harness the huge reservoir of potential programming talent within our country.

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*Bhavin is Directi's founding CEO and is responsible for the [exponential growth](#) of Directi from a startup in 1998 to a global web products company with 500+ employees and millions of global customers. Under his leadership, [ResellerClub](#) and [LogicBoxes](#) have become industry leaders in their respective verticals, and Directi has consistently featured amongst the fastest growing tech companies in Asia by Deloitte and Touche. He continues to manage the Vision, Strategy, Engineering and Operations of ResellerClub, LogicBoxes, .pw, [BigRock.com](#) and [WebHosting.Info](#).*

*Bhavin is the chief architect of the .pw social communication platform, OrderBox, and various other products and services provided through ResellerClub and LogicBoxes. He has authored several technology patents. He conceived and launched [CodeChef](#) - a leading coding competition platform. He is also responsible for Directi's community evangelism efforts such as [TechCamp](#).*

*Bhavin is a respected entity in the Web 2.0 landscape, and a [frequent speaker](#) at various seminars, tech conferences and colleges. He also serves as a technical advisor to the local CyberCrime Investigation Cell. He has won several awards, including the Entrepreneur of the year award in 2005. Bhavin was former chairman for the Global ICANN Accredited Registrars Constituency for two consecutive terms.*

## IT and Governance – Challenges and Opportunities

Mr. T. Koshy

Executive Director,

National Securities Depository Limited

### Synopsis

Challenges in Information and Communication as in the case of any technologies are twofold. The first challenge is that of expanding the realm of knowledge and the second one that of application of available technologies to make the world a better place. Very often when we think about IT in governance we get carried away by technical elegance and recentness and forget the transformational challenges. This often leads to results not matching expectation. Talk will cover the big-picture challenges on e-Governance in the context of our experience in establishing nationwide systems for Capital market, Tax Administration and Pension.



*Mr. T. Koshy is the Executive Director, National Securities Depository Limited. NSDL is the first securities depository in India, which has completely changed the face of the Indian Capital Market. As a part of the start-up team which set up NSDL, he played a key role in the successful establishment of the depository. During this time he was responsible for Operations, Business Planning, Marketing, MIS and Risk Management. Currently, Mr. Koshy is heading the key non-depository initiatives of NSDL like the Tax Information Network (TIN), Central Record Keeping Agency for Pension and Goods & Service Tax Network (GSTN). TIN set up by NSDL on behalf of Income Tax Department is an ambitious project, established with a view to enhance efficiency and transparency of Income Tax Administration in India. Central Record keeping Agency for pension is a project of the Pension Fund Regulatory Authority of India, under the aegis of Ministry of Finance, Department of Expenditure for its New Pension System. GSTN is the common IT infrastructure to implement Goods and Service Tax across the country.*

*Mr. Koshy holds a graduate degree in engineering and a postgraduate in management from Indian Institute of Management. He has about 20 + years of experience in the area of Solution Design, Project Management & Operations.*