



PanIIT 2007 Conference, Santa Clara, USA

PanIIT 2007 Conference was held at Santa Clara, USA from July 6th to July 8th 2007. The IIT Delhi team that attended the conference included the Director, two Deans, five HoDs / representatives and three students.

This was the largest ever faculty contingent from IIT Delhi to any PanIIT event. Three students of 3rd year B.Tech., Comp. Sc. & Engg. From IIT Delhi (Rohit Goel, Siddharth Eswaran, Umang Mittal) led by Prof. M. Balakrishnan, Dean PGSR participated in the 'Transform the World through Technology' contest at the Conference. The IIT Delhi team reached Santa Clara in the evening of 5th July 2007 and attended the Distinguished Alumni Meeting and Reception. Distinguished Alumni present included Navin Chadha, Om Sharma, Rajat Gupta, Krishan Sabnani, Prof. Paulraj and Rakesh Kaul.



On 6th July, the team attended the inaugural session, parallel track sessions and plenary sessions. Some of the key speakers on the occasion included Jeff Immelt (CEO of GE), Prof. Cohen (President, CMU), Prof. Hennessey (President, Stanford).

On 7th July, the IIT Delhi team attended the plenary sessions, parallel track sessions, Director's panel and Vinod Khosla's lecture. Mr. Arun Sarin (CEO, Vodaphone) was the key speaker on the day. The students from IIT Delhi presented the Smart Cycle Vending project- a solution to the last mile connectivity in urban areas in India.

In the IIT Delhi breakout session on 8th July (attended by over 175 alumni of IIT Delhi), the Director presented a report on recent developments and initiatives at IIT Delhi. The Dean, Alumni Affairs and International Programmes delivered a 15 minute lecture on 'Alumni Initiatives at IIT Delhi'. Alumnus Alok Sinha (Prof.) presented options for greater networking with faculty Alumni in US. HoDs interacted with about a dozen young researchers and spoke briefly about their departments centres.



On 9th July, a meeting of US Industry Leaders with the IIT Delhi team was organized by Alumnus Satwant Kaur. Chief Technology



Officers of 15 Companies in US including IBM, Yahoo, Nokia, TIBCO and Autodesk participated in the meet. The team also visited Stanford University and interacted with Prof. Paulraj, Prof. Krishna Sarraswat and some young researchers.

Distinguished Alumnus Ashwani Gupta (Senior Vice President, American Express) organized an Alumni meet over dinner on 10th July at the American Express building in New York. The dinner was attended by about 35 alumni mostly working for banks and financial institutions.

On 11th July, the team visited the MIT campus and held discussions with alumnus Pawan Sinha (Prof.) regarding School of Bio Sciences. The team met few young researchers mostly working in areas related to neuro-sciences. A visit to Harvard Campus was hosted by Dr. Ambuj Sagar on 12th July.

The Alumni showed interest in starting initiatives at IIT Delhi or providing support in the form of awards, scholarship and chairs. These are Conference support for students, Fellowships for faculty and support for School of Biological Sciences.

For more details visit

<http://indest.iitd.ac.in/alumni/paniit2007.html>

Support



Vishnu R Dusad Facilitates Setting Up of Dhananjaya Chair Professorship and Nucleus Outstanding Young Faculty Fellowships

Alumnus Vishnu R Dusad (B.Tech 1980, Textile Technology), MD and CEO of Nucleus Software Exports Ltd. has facilitated the setting up of 'Dhananjaya Chair Professorship' and 'Nucleus Outstanding Young Faculty Fellowships' at IIT Delhi. Nucleus Software Exports Ltd. has donated an endowment of Rs. 4,080,000/- (Four Million Eighty Thousand Indian Rupees) to IITD to institute the Chair Professorship and the Fellowships.

For more details visit <http://indest.iitd.ac.in/alumni/vdusad.html>



Anurag Dikshit Facilitates Setting up of Kusuma Outstanding Young Faculty Fellowships

Alumnus Anurag Dikshit (B.Tech 1994, Computer Science & Engineering), Group Operations Director, PartyGaming has facilitated setting up of "Kusuma Young Faculty Fellowships" at IIT Delhi. Kusuma Trust, Gibraltar has contributed Rs. 1.32 crore for instituting 22 fellowships for this purpose. Each fellowship will provide to the incumbent ("Fellow") an honorarium of Rs. Ten thousand per month for five years.

For more details visit

<http://indest.iitd.ac.in/alumni/KusumaFellowships.html>



Rajiv Laroia sets up Sapna Laroia Memorial Outstanding Young Faculty Fellowships

Alumnus Rajiv Laroia (B.Tech. 1985, Electrical Engineering) has instituted "Sapna Laroia Memorial Outstanding Young Faculty Fellowships" at IIT Delhi.

Dr. Laroia has committed a contribution of USD 100,000 for instituting 6 fellowships. Each fellowship will provide to the incumbent ("Fellow") an honorarium of Rs. Ten thousand per month for five years.

For more details visit:

<http://indest.iitd.ac.in/alumni/SapnaFellowships.html>



Jaswinder Chadha Sets Up 'Jaswinder and Tarvinder Chadha Chair of Operations Research'

Alumnus Jaswinder Chadha (B.Tech Mechanical Engg, 1990), Head of Analytics Practice,

Cognizant, USA has instituted 'Jaswinder and Tarvinder Chadha Chair of Operations Research' at IIT Delhi. Mr. Jaswinder Chadha has donated an endowment of USD 127,000 (One hundred twenty seven thousand US Dollars) to IITD to set-up the Chair. From the interest earnings accrued, IITD will make available to the incumbent Chair Professor an amount of Rs. 0.4 Million each year as a research grant.

For more details visit

<http://indest.iitd.ac.in/alumni/jchadha.html>

Awards

Distinguished Alumni Awards 2007 The following three Alumni have been honoured with Distinguished Alumni Awards for the year 2007 in the 38th Convocation of the Institute held on 11th August, 2007:

- **Mr. Sanjay Khosla (B.Tech. Electrical Engg., 1973):** Mr. Khosla is a global professional with an impressive track record of business performance across Asia, Europe, Australasia and the Americas. He is responsible for leading Kraft's USD 11 billion business outside North America and its presence in over 150 countries around the world. In India, Mr. Khosla was on the Board of Hindustan Lever Ltd for many years. He spearheaded the launch of Wheel detergents, which has become one of Hindustan Lever's largest and most successful businesses in India. Mr. Khosla is presently President International, Kraft Foods, USA.
- **Prof. Mohit Randeria (B.Tech. Electrical Engg., 1980):** Prof. Randeria is an acknowledged expert in the area of Theoretical Condensed Matter Physics. His research interests are focused, at present, on high temperature superconductivity, strongly correlated systems, and ultra-cold atomic gases. Prof. Randeria is the author of over hundred research papers in Condensed Matter Physics. He is the recipient of a prize in Condensed Matter Physics, awarded in honour of Nobel Laureate Phillip Anderson by the International Center of Theoretical Physics, Trieste, Italy in 2002. He has also been awarded the Swarnajayanti Fellowship in 1998, the B.M. Birla Science prize in 1999, the S.S. Bhatnagar Award in 2002, and the George A. Miller Visiting Professorship at University of Illinois, Urbana-Champaign in 2002-2003. Prof. Randeria is presently Professor at Physics Department, Ohio State University, USA.
- **Dr. Rajiv Laroia (B.Tech. Electrical Engg., 1985):** Dr. Laroia is one of the world's leading researchers and innovators in the field of communication. He holds more than 50 patents and has more than 100 others pending. His early research focused on wire-line communication. He has significant technology contributions to V.34 and V.90 International Standards for sending data over telephone lines. The technology he invented is used in virtually all dial-up modems in the world. Dr. Laroia is presently Senior Vice President of Technology, Qualcomm, USA.



Mr. Sanjay Khosla



Prof. Mohit Randeria



Dr. Rajiv Laroia



Mr. Lalit Mehra



Mr. Sandeep Tyagi

For more details please visit <http://indest.iitd.ac.in/alumni/alumni2007.html>

Distinguished Alumni Service Awards 2007 The following two Alumni have been honoured with Distinguished Alumni Service Awards for the year 2007 in the 38th Convocation of the Institute held on 11th August, 2007:

- **Mr. Lalit Mehra (B.Tech. Mechanical Engg., 1966):** Mr. Mehra is currently Chairman of Tara Vati Ram Gopal Mehra Foundation. He has been responsible for establishing the Tara Vati Ram Gopal Mehra Foundation Scholarship. He has been instrumental in setting up the Mehra Chair Professorship in Design & Manufacturing Technologies. He has also contributed significantly to improvement in hostel infrastructure as well as to the setting up of the Pearl Award (Batches 1965 to 1969). He has also instituted the Dr. P.L. Kapur Memorial Award.
- **Mr. Sandeep Tyagi (B.Tech. Computer Science, 1990):** Mr. Tyagi is Vice President and Head of Transformation Services, EXL Service. He is also the Founder and Managing Principal of management consulting and outsourcing firm– Inductis – which is now a part of EXL Service. He has been responsible for setting up of IIT Delhi Excellence Foundation (IITDEF) in New York He has also established Major Dr. Nityananda Tyagi Scholarship and Mitchell Madison Group Gyan Scholarship at IIT Delhi. He has lead the effort in raising funds for several scholarships, loan scholarships as well as a Chair Professorship through IITDEF.

For more details please visit <http://indest.iitd.ac.in/alumni/alumniservice2007.html>

Three IIT Delhi Alumni figure in the list of 25 CTOs receiving '2007 InfoWorld CTO 25' awards

Three IITians have been listed in the Top 25 Chief Technology Officers (CTOs) of the world and all three are from IIT Delhi, a proud accomplishment indeed for IITs in general and Delhi in particular:



Padmasree Warrior (B.Tech. Chemical Eng. 1982) Executive Vice President and CTO, Motorola
Recipient of Distinguished Alumnus Award of IIT Delhi



K Ananth Krishnan (M.Tech. Computer Science & Engg. 1988, M.Sc. Physics 1985) CTO, Tata Consultancy Services

Satinath Sarkar (B.Tech. Civil Engg. 1988) CTO, Orion Technology



Every year, InfoWorld honors senior IT executives who've demonstrated leadership within their companies and the IT community. For more information, please visit <http://www.infoworld.com/archives/t.jsp?N=s&V=89005>



Dr. Om P. Sharma gets the "2007 Aircraft Engine Technology Award"

The ASME International Gas Turbine Institute honored Dr. Om P. Sharma with the 2007 Aircraft Engine Technology Award in ASME Turbo Expo at Montreal, 14-17 May 2007. Sharma is the chief technology at Pratt & Whitney in East Hartford, Connecticut, USA. The award is presented in recognition of sustained outstanding creative contributions to the development

of improved gas turbine compressor and turbine design practice through improved physical understanding and modeling of the aerodynamics, heat transfer, and 3-D unsteady-flow effects. Dr. Sharma is an ASME fellow and a recipient of the Distinguished Alumni Award from the Indian Institute of Technology Delhi, where he received his Bachelor and Master's of Technology. He earned his Ph.D. from Birmingham University (UK). For more details about Dr. Om P. Sharma please visit <http://indest.iitd.ac.in/alumni/awards.html#sharma>

Reunions, Lectures and Recreational Activities

Silver Reunion of 1983 Batch: Silver Reunion of 1983 batch was celebrated with great enthusiasm (December 22-25, 2007). Over 55 alumni of 1983 batch participated along with their families. The alumni met the Director, Dy. Directors, Deans and Heads of the Departments in a interactive session in the Senate Room. A High Tea was hosted by the Director at Director's Lodge on 22nd December 2007 which was followed by the dinner in the Students Activity Centre. The Alumni also visited the Hostels and enjoyed breakfast on 23rd December morning in the Karakoram Hostel. A tree plantation ceremony was performed adjacent to Rose Garden of the Institute. The alumni visited their respective departments and interacted with faculty and students on 24th December.



Student Career Counseling Session : Year 2007 Career Counseling Session, "Career After IIT", was held on 5th November at Seminar Hall, IIT Delhi, in association with the Training and Placement Department, IIT Delhi. Prof. Kushal Sen took active interest in making this event a success. Speakers for this event included: Mr. Pravin K. Purang - B.Tech 1971, Mechanical & M.Tech. 1973, President and CEO of Global Consulting Associates, Prof. Anurag Sharma, MSc 1974 & Ph.D. 1979 Physics, Dean of Students, IITD & Professor of Physics, Mr. Sandeep Tyagi, B.Tech. 1990, Computer Science, IIT Delhi, VP & Head of Transformation Services, EXL Service. Mr. Kapil Bardeja, MBA 2003, Co-founder and Chief Executive Officer, KritiKal SecureScan Pvt. Ltd, Gautam Brahma, M.S. 1977 Physics, Vice President - Quality Procurement & Facilities at Aricent. Prof. Ashok Gupta, Dean AA & IP, welcomed the panelists at IITD to share their views to students.



NAGME 07 : An audience of more than 300 comprising of the alumni and their families had a gala time full of music and masti on 17th November 2007 when they attended NAGME 07 held in Dogra Hall. The alumni association musical evening on show this time had 25 performers from different batches thereby representing singers practically from every era right from the 60s to the 21st millennium. The songs ranged from melodies of 60s and 70s to the rocking music of 2007. There were singers of all ages from 6 years to 60 years. Mementoes were given away to the performers by Dr. Anurag Sharma, Dean of Students and Sh. V. Sethuraman, President, IITDAA. Dinner and Raffle, last events of the day, were enjoyed to the hilt by the gathering in Zanskar Hostel.



Lecture by Shiv Khera : IIT Delhi Alumni Association in association with Association of British Scholars University of Birmingham Alumni Association (India Chapter) organized a lecture by Shiv Khera, Management Consultant, on "HOW TO MAKE INDIA MORE LIVABLE IN 365 DAYS?" on July 3, 2007 at Seminar Hall, IIT Delhi.



Faculty Achievements

Prof. R.S. Agarwal Receives the "Stratospheric Ozone Protection Award-Best of the Best"

Prof. R.S. Agarwal has received the "Stratospheric Ozone Protection Award-Best of the Best" for his Technical Leadership in Refrigeration & Air-Conditioning and in recognition of the most exceptional global contributions in the first two decades of the Montreal Protocol. The award was presented to him by United States of America, environment Protection agency on September 19, 2007 in Montreal Canada. He also received the "Montreal Protocol Technology and Economic Assessment Panel (TEAP) Champions Award" on September 20, 2007.

Prof. Kehar Singh gets "Lifetime Achievement Award"

Prof. Kehar Singh (Emeritus Fellow, Physics Deptt.) was recently honoured with 'Lifetime Achievement Award' for his contributions in the field of optics at the 33rd Annual Symposium of the Optical Society of India held during the period Dec. 17-20, 2007 at Tezpur (Assam).

Prof. K.L. Chopra conferred Padma Shri Award

Prof. K.L. Chopra, Ex - Professor, IIT Delhi and Ex - Director, IIT Kharagpur has been conferred Padma Shri Award in the field of Science and Engineering for the year 2008. Prof. Chopra is recipient of many other awards including S.S. Bhatnagar Award (Physics, 1975), FICCI Science & Technology Award (1983), Aryabhata Gold Medal (INSA, 2004). He is a fellow of Indian National Academy, Indian Academy of Sciences, National Academy of Sciences, Indian Academy of Engineering and American Physical Society.

Major Research Projects

Title	Sponsor	Funds	Date Start/ Duration	Principal Investigator
Quantum Design Evercool MPMS XL7 as a National Facility at IIT Delhi	Department of Science & Technology (DST)	296.74 Lacs	6 th Aug. 2007/ 5Y	Ratanmala Chatterjee Physics Deptt. rmala@physics.iitd.ac.in
Research Program on Smart and Innovative Textile	Department of Science & Technology (DST)	2032.24 Lacs	31 st Aug. 2007/ 5Y	Ashwini K. Agrawal Textile Tech. ashwini@textile.iitd.ac.in
Stanford India Biodesign (SIB) Programme	Department of Biotechnology, GOI	100.64 Lacs	14 th Aug. 2007/ 5Y	Alok Ranjan Ray, Centre for Biomed. Engg. alokray@cbme.iitd.ac.in
Enhanced Biomass Production and Energy Conversion for Use in Water Scarce Areas of India	University of Aston in Birmingham	112.00 Lacs	11 th Sept. 2007/ 3Y	P.K. Sen , Applied Mechanics pkzen@am.iitd.ac.in
Waste Land Development with Sustainable Livelihood Based on Bamboo Plantation and Value added Products for Housing, Food, Fodder and Biofuel	Ministry of Rural Development, New Delhi	147.64 Lacs	17 th Sept. 2007/ 5Y	Puttagunta Sudhakar Centre for Rural Dev. & Tech.
Impact of Climate Change on the Water Cycle and Ecosystem Functioning at the River Basin Scale	UKIERI, British Council Division	122.96 Lacs	15 th Oct. 2007/ 4Y	A.K. Gosain, Civil Engineering gosain@civil.iitd.ernet.in

Student Activities & Achievements

Rendezvous 2007 Rendezvous 2007 was bigger and better than ever before. The budget this year rose to 43 Lakhs beating last yrs' figure by a little more than 10 Lakhs. The overall participation and attendance during the fest seemed to have increased by an order of magnitude partly owing to the big names which adorned Rendezvous



this year. The fest was inaugurated by Smt. Shubha Mudgal ji followed by a classical performance by her. Kailash Kher and Vayu set the Open Air Theatre ablaze. The biggest crowd puller though was a football match (for a change). The line up included the name of John Abraham who played with teams consisting of players from IIT and other colleges. But Rendezvous is known more for the inter college competitions. This year participation was more than ever from colleges from all over India. Events conducted by the Music Club saw more than 80-90 participants while quizzing and fun events saw participants well into the hundreds!! Students from IIT also fared exceedingly well. The music team bagged secured positions in three events, while the dramatics team bagged two. The debating and quizzing club team which have been doing exceptionally well in other inter college events too, won innumerable team and individual events. The choreography team of IIT Delhi has become renowned over the years for consistently winning wherever it participates and it too won for the third year in a row!!! The Fine arts team was also consistent as ever and repeated the winning streak even later in the year at Kanpur. Broadening interests of IITians was evident from the positions secured in photography

Tryst 2008

Tryst 2008 was held from the 29th of February to the 2nd of March this year with the tagline being "Experience the Dreams". The festival comprised of 22 events, two lectures and four workshops. The focus of Tryst this year was on interdisciplinary events, which resulted in more than half the events this time being first timers. Also, existing events were tailor made to suit this objective. There was also a focus on popularizing events that required prior preparation than on the spot ones. Participation, in general, almost quadrupled since last time, with about 8500 registrations in all. Newbies like Rube Goldberg and Genesis brought in huge crowds demanding runs and re-runs of the entries that came in, and the venues for the old timers like Algorhythm and Chaos were jam packed. The robotics events were a huge hit, attracting atleast 10 times more entries (since last year) participation wise, and drawing in huge crowds to see them. From an organizational perspective, special focus was on hospitality of the participants, which was ensured by keeping a 150 strong hospitality team. All in all, inspite of the administrative difficulties that the team faced this time around, one can say that quality of participation wise, this was perhaps the best Tryst IIT Delhi has seen in years.



Sportech 2008

The 25th Annual Sports Festival of IIT Delhi was organized between 6th-9th march 2008. The opening ceremony was on 6th march with Mr Gurbachan Singh Randhawa as the chief guest. This year Sportech was confined to only field activities where Cricket, Hockey, basketball, Football, Volleyball, Day night events (Tennis Ball Cricket and 5-side Football) were organized. Sportech- 08 had participation from colleges like Hindu, Jamia, Maulana Azad, PGDAV, Motilal, Gargi, JMC, YMCA, Maitreyi etc. For the first time mini-Marathon was organized on 8th March with Mr Surinder Khanna as chief guest which was a mega success with around 400 people running through 7 km periphery in IIT, including children



and girls (upto 1.5 km only) as well. For the first time, cycle race was also organized on same day. The closing ceremony held at Dogra hall and Mr Dara Singh were invited as chief guest. IIT Delhi teams were winners in Cricket and Runners-up in Basketball (mens) and Basketball (womens).

Harvard College in Asia Programme

IIT Delhi was selected from India to be one of the partner Institution for the Harvard College in Asia Program (HCAP) 2007-08 along with 5 other institutions from Asia. Harvard College in Asia Program (HCAP) is a cross-cultural exchange program that fosters a greater understanding of different societies. Under this program, each February, HCAP invites delegations from select universities in Asia to Harvard for annual exchange conference and each March, HCAP sends delegations of Harvard students and faculty to participate in similar



conferences throughout Asia.

The theme of the conference was Sustainability Efforts. As a part of the conference, students from IIT Delhi went to Harvard University in February 2008 and spent a week at Harvard University and took part in Cultural exchange conference involving Seminars and Fun Events. Participation of IIT Delhi Students has been specially appreciated by the Student community at Harvard University. The second leg of the conference saw 15 students from Harvard University visiting IIT Delhi in March 2008 and participating in a series of activities dealing with Sustainability Efforts in developing countries like India. They also visited the Deendayal Research Institute, Chitrakoot as a part of the conference activity to realise their Self-reliant sustainable development model. The conference at IIT Delhi was also a huge success. It was a fruitful exchange of thoughts amongst the student community.

Three IIT Delhi Students get Honda YES Award 2007



Three IIT Delhi students Akhilesh Gupta (Computer Science & Engineering), Jessica Tomar (Biochem. Engineering), Anshuman Aggarwal (Computer Science & Engineering) have won the 'Honda Young Engineer and Scientist's (YES) Award in India 2007'. There are a total of

five winners of the award from three IITs – IIT Roorkee, IIT Bombay and IIT Delhi.

Honda YES Award is a project of Honda Foundation, Japan to foster young leaders who take on the role of developing science and technology for future. In 2006, the programme was started in Vietnam, and in 2007, it was extended to India.

IIT Delhi students bag 2nd position in Humanitarian-Student-Shelter-Design Contest

Its time again that students of Indian Institute of Technology Delhi have proved their caliber and intellectuality when they surpassed the marvels of Asia in an international competition, The Humanitarian Shelter Student-Design Contest (HSSDC) held by American Society of Mechanical Engineers (ASME). Open for all colleges of Asia-Pacific district, the teams were demanded to design and build a refugee shelter for the survivors of a severely damaged Earthquake hit zone, also encountered by high winds and temperature variations. 31 teams from all over Asia participated in the competition out of which 10 teams were selected after the design proposal submission to create their structure. Team Altruist secured 2nd position amongst the top three winners (Only team from India). Team Altruist comprising of 3rd year B-Tech students of IIT-Delhi, Hemant Kumar (Mech.), Vipul Jain (Civil), Ashim Sahni (Mech), Rajat Jain (Civil), Jyoti Nandan Prasad (Mech.) dedicated their nights and days for months giving life to their proposal under the guidance of Prof. Ashok Gupta (Department of Civil engineering). For more Information, log on to: <http://districts.asme.org/HSSDC>

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