Annual Report
2011-2012

INDRAPRASTHA INSTITUTE *of* INFORMATION TECHNOLOGY
DELHI

A State University established by Government of NCT of Delhi

INDRAPRASTHA INSTITUTE *of* INFORMATION TECHNOLOGY
DELHI

A State University established by
Government of NCT of Delhi

Annual Report 2011-2012

Okhla Industrial Estate, Phase-III
New Delhi-110020, India

T : +91 11 2690 7400-7404
F : +91 11 2690 7405

www.iiitd.ac.in

Table of Contents

Our Mission and Vision

- Our mission is to become a globally respected academic Institution in IT and allied areas by offering highly innovative undergraduate, postgraduate and doctoral engineering programs with outstanding ability outstanding abilities who can become innovators and new product creators

- To establish strong research groups in Security, Biometrics, Mobile and Ubiquitous Computing, Information management and analytics, Telecommunications, Scalable Computing, Electronics Systems, Computational Biology etc.

- To undertake cutting edge research programs that establishes a strong link between academia and industry.

- Aims to encourage innovation and entrepreneurship in specified domain areas of IT. Towards this end it plans to organize itself as a conglomerate of R&D Centers, some of which would be in partnership with different companies and global organizations.

1 Overview

Indraprastha Institute of Information Technology, Delhi (aka. IIIT-Delhi or IIIT-D) was created as a State University by an act of Delhi Government **(The IIIT Delhi Act, 2007)** empowering it to do research and development and grant degrees. IIIT-Delhi was officially established on 10th June, 2008. First class (for B.Tech. (CSE) students) was held on 8th September, 2008.

The institute began with its first batch of 60 B.Tech students in 2008. Since then, it has come a long way with nearly 28 faculties specializing in diverse areas of Computer Science and Electronics & Communications Engineering, and nearly 420 students consisting of 4 batches of B.Tech., 2 batches of M.Tech. and 4 batches of Ph.D. In a relatively short time, it has earned a good reputation in India and abroad for being a center of quality education and research in IT and allied areas. AICTE has recognized us as an Institute of National Importance, along with other IIITs.

Campus

This year, for the first time, IIIT-Delhi has started its operations from its main campus at Okhla in all programs. With this year's admissions, our total student strength has now reached 430 UG students, 115 M.Tech. students, and 39 Ph.D. students.

The construction of permanent campus is reaching the final stages. After delays, the the academic buildings were partially handed over in Aug, where currently our classes are being held. Only one hostel has been handed over. The rest of the campus is likely to be handed over by the end of the year.

Infrastructure

The entire campus is connected via 100 mbps switched network and 100 Mbps wi-fi. Internet is provided by two leased lines, provided and NIC and MTNL, and 24x7 access to internet is allowed on campus. There are about 100 computers in the general labs, all of which are dual boot systems with Windows 7 and Ubuntu Linux. The advanced M.Tech. labs are equipped with state-of-the art software and tools such as MATLAB, Cadence Suite, Spice Tools etc. The research labs and faculty offices are equipped with printers and CD/DVD-writers. Other than these, there are 5 network printers, including one color printer. Scanning facility is also available. All computers are protected by a central UPS system.
Current degree programs

To our existing programs B.Tech. (CSE), M.Tech. (CSE), and Ph.D. (CSE), we have also added B.Tech., M.Tech., and Ph.D. in ECE. We have added an M.Tech. specialization in Mobile Computing (within CSE, in which we already have specializations in Information Security and Data Engineering) and started with M.Tech. (VLSI and Embedded Systems) within the ECE.

Faculty

Our faculty strength has increased to 28. We continue to recruit in a highly selective manner, keeping the quality very high – all of our faculty members have PhDs from fine Institutions across the world, most of them having obtained their Ph.D. in the US. We continue to organize selection committees frequently to respond swiftly to applications, and also held two selection committee meetings in the US in April 2012 – perhaps the only leading Institute in India to take this route.

Research funding

Institute's faculty members continue to pursue top quality research. They have published a total of 40 papers, most of them in International journals and conference proceedings. Overall 23 proposals of faculty members have been approved for funding by various agencies for a combined R&D project funding commitment of 2.77 crores rupees.

Awards

Our faculty and Ph.D. students have received various awards: IBM Faculty Award 2011-12; three best poster award and best paper awards; one IBM Ph.D. Fellowship (which globally awarded around 70 such fellowships with about 7 in India), three TCS Research Fellowship Awards, and one IJCB Doctoral Consortium Fellowship 2011.

Placements

For the first time placements took place as the first batch graduated in 2012. We focused on high end companies and with great difficulty convinced some of them to visit us – almost all the companies that came recruited some candidates and were generally happy with the talent they saw. Overall, the average compensation is over Rs 7 Lac/yr, with about 10 students getting offers of more than Rs 10 Lac/yr.

Overall, the Institute continues to do well with good quality faculty and students, and strong UG and PG programs. However, much more remains to be done to reach closer to our vision of becoming a globally respected institution.

2 Education

2.1 Current Academic Programs

The institute offers undergraduate programs in two main areas leading to B.Tech. degrees in CSE and ECE, specialized postgraduate programs with M.Tech. degrees in Mobile Computing, Information Security, Data Engineering, and VLSI & Embedded Systems, as well as doctoral programs in IT and allied areas. The primary objective is to impart specialized trainings on the latest technological advancements in CS and ECE domains.

2.2 Student Intake and Total Student Strength

Sl. No	Particulars	Intake in 2012	Existing	Total Strength
1	B. Tech.	120 (CSE) 51 (ECE)	259	430
2	M. Tech.	62 (CSE) 21 (ECE)	33	115
3	Ph.D.	12 (CSE) - 07+04 (Direct M.Tech.) + 1 (B.Tech.)	22	39

Average class XII maths score for Gen / OBC/ SC is 96.13/92.13/86.19
Average class XII total score for Gen / OBC/ SC is 92.97/85.94/82.11

2.3 Students Graduated

In 2012, we will have our first Convocation in our new campus in Okhla. About 50 B.Tech. and about 20 M.Tech. degrees will be awarded.

2.4 Courses Taught

During the past year, following courses were offered by our permanent faculties and the guest faculties. Most of the advanced level courses were designed to meet the demands of the latest advances in the technologies in IT and related areas.

CSE – Computer Science and Engineering Courses

CSE102   : Data Structures & Algorithms (Dr. Vikram Goyal)
CSE112   : Computer Organization (Dr. Subhasis Banerjee)
CSE202   : Fundamentals of Database Systems (Dr. Ashish Sureka)
CSE222   : Algorithm Design & Analysis (Dr. Debajyoti Bera)
CSE232   : Computer Networks (Dr. Pushpendra Singh)
CSE342/542 : Pattern Recognition (Dr. Richa Singh)
CSE344/544 : Computer Vision (Dr. Mayank Vatsa)
CSE508   : Information Retrieval (Dr. Srikanta Bedathur)
CSE522   : Verification of Reactive Systems (Dr. Astrid Kiehn)
CSE524   : Theory of Modern Cryptography
              (Dr. Somitra & Dr. Debajyoti)
CSE535   : Mobile Computing (Dr. Vinayak Naik)
CSE537   : Embedded Systems (Dr. Amarjeet Singh)
CSE538   : Ad-Hoc Wireless Networks (Dr. Sanjit Kaul)
CSE539   : Cellular Data Networks (Dr. Soshant Bali)
CSE606   : Data Warehousing (Dr. Anirban Mondal)
CSE607   : Financial Data Analytics (Dr. Anirban Mondal)
CSE645   : Digital and Cyber Forensics (Dr. Gaurav Gupta)
CSE793-A   : Topics in Cryptanalysis (Dr. Somitra Sanadhya)

ECE – Engineering Science Courses

ECE101   : Basic Electronic Circuits (Prof. RN Biswas)
ESC202   : Digital Communication (Dr. Saket Srivastava)
ESC204   : Quantitative and Qualitative Research Methods
              (Dr. Saket Srivastava, Dr. Mayank Vatsa)
ESC504   : Quantitative and Qualitative Research Methods
              (Dr. Saket Srivastava, Dr. Mayank Vatsa)
DES301   : Exploring Visual Design (Dr. Lalit Das - Guest Faculty)
ENT402   : Entrepreneurship: Managing a Venture
              (Mr. Hemant Kumar / Dr. Pankaj Jalote)
ENV301   : The Earth System: An Environmental Science Perspective
              (Dr. Raja Sengupta)

HSS – Humanity & Social Sciences Courses

HSS101   : Technology and Society (Dr. Leon Morenas)
HSS207   : Human Values and Professional Ethics (Dr. Mukul Sinha)
HSS202   : Perspectives on Knowledge (Mr. Levin)
HSS205   : Introduction to Sociology (Ms. Duru Arun-Kumar)
HSS101   : Technology and Society (Dr Leon Morenas)
HSS207   : Human Values and Professional Ethics (Dr. Mukul Sinha)
HSS202   : Perspectives on Knowledge (Mr. Levin)

HSS204	:	Psychology (Dr. Arvinder Grover)
HSS205	:	Introduction to Sociology (Ms. Duru Arun-Kumar)
HSS206	:	Introduction to Film Studies (Ms. Párul Tyagi)
HSS101	:	Technology and Society (Dr. Leon Morenas)
HSS207	:	Human Values and Professional Ethics (Dr. Mukul Sinha)
HSS101	:	Technology and Society (Dr Leon Morenas)
HSS207	:	Human Values and Professional Ethics (Dr. Mukul Sinha)
HSS202	:	Perspectives on Knowledge (Mr. NR Levin)
HSS204	:	Psychology (Dr. Arvinder Grover)
HSS205	:	Introduction to Sociology (Ms. Duru Arun-Kumar)
HSS206	:	Introduction to Film Studies (Ms. Párul Tyagi)

Other Courses

MTH201	:	Probability & Statistics (Dr. PK)
COM301	:	Technical Communication (Prof. Jalote / Mr. Hemant)
FIN402	:	Finance II (Sachin Kakkar - Guest faculty)
PHY302	:	Semiconductors and Optics (Physics-2) (Prof Subhash Chopra)
ECO301	:	Introduction to Economic Analysis (Dr. Shreemoy Mishra)

3 Research and Development

Significant contribution to academic research comes from B.Tech., M.Tech. and Ph.D. projects. The major outcome of the academic research is the development of technologies that are deployed in various IT related domains. IIIT-D faculties remain engaged in research activities and published in various national and international journals and conference proceedings. Besides, IIIT-D also gave high importance to research and development (R & D) and consultancy sponsored by various national and international organizations that sustained meaningful collaborations between academia and industry. In the following the technologies developed, research grants obtained, consultancy projects undertaken, the papers published in peer reviewed journals and conference proceedings are highlighted.

3.1 Technologies Developed / Deployed

1. mBackup: Mobile application for backing up resources on the mobile phone on the cloud (currently using Dropbox account on the cloud and the mobile app is available for Android). The application was developed as B.Tech. Project by Atul Goyal (UG, 2012) and is available for download at Google Play (50-100 installations)

2. Medicine for Disaster: Mobile application providing details about medicine to be taken during any disaster including its dosage, side effects etc. Content for this app was provided by our collaborator Prof. Roy Chaudhury at AHERF. The application was developed by Atul Goyal (UG, 2012) and is available for download at Google Play (100-500 installations)

3. Blood Bank (OpenMRS): Enhanced a Blood Bank module for the open source open MRS. Developed by Apurv Mehra and Sanchit Sharma (UG, 2013), in collaboration with our NGO collaborators, Health Information Systems Programme (HISP). Work for this module was done as Independent Project in Monsoon Semester 2011. The module is currently live in the District Hospital in Shimla and is being replicated at other hospitals across the state.

4. Federating the Hospital Information Systems (currently deployed in Shimla and extended to other district hospitals) for unified health data aggregation and analysis (currently in progress, as part of Independent Project by Apurv Goyal and Sanchit Saini, UG – 3rd Year)

5. Deployed Interactive Voice Response (IVR) System for B.Tech Admissions and result announcement, 2011. The IVR system handled

206 calls out of a total of 421 calls made before the exams and also handled 405 calls for result announcement. A research paper based on this deployment was submitted and accepted at India HCI 2012

6. Deployed IVR System for Winter School held at IIIT-Delhi, 2011. Over a period of 15 days, our system handled 782 calls from participants. A post survey of users showed that they like the system.

7. Sensor Act, a data aggregation system for collecting energy related data and performing actuation thereof. This is work in progress as part of research of Ph.D. students Pandarasamy Arjunan and Nipun Batra. Initial version of the system is deployed in current campus for data collection from multiple faculty offices.

8. QCADesigner: A design and simulation tool for QCA circuit design

9. Deployed IVR Admission System for B.Tech Admissions and Result announcement, 2011. The IVR system provided valuable service to people seeking admissions in IIIT-Delhi. It handled 206 calls out of total calls of 421 before the exams and also handled 405 calls for announcing result. A post-survey of users showed that they liked the system. We submitted a research paper based on this experiment which was accepted at IndiaHCI 2012.

10. Deployed IVR System for Winter School held at IIIT-Delhi, 2011. Over a period of 15 days, our system handled 782 calls from participants. A post-survey of users showed that they like the system. This work will also appear in a research paper in near future.

11. Developed a new type of IVR system called Adaptive IVR system in Java. Adaptive IVR system will prove to be a useful tool in disseminating information across low-literate users. The system is still being tested in different real-world deployment settings.

12. A middleware – SensorAct - for energy monitoring. First version of the middleware is deployed in some faculty rooms in the Dwarka Campus of IIIT. However, in our permanent campus, the middleware will handle deployment of various sensors for utility monitoring across the campus.

13. http://www.grepfellas.com: This is a search engine for searching data on mobile devices. The website is developed in HTML5 and suited for PCs. There are corresponding apps for Android and Symbian (S40 and S60) devices.

14. http://mbackup.atulgoyal.com/: This is a service to backup mobile phones and the backup is stored in the cloud. The Windows Phone App for the service was developed as part of the Mobile Computing course.

15. MIOSphere: Monitoring Information in the Online Social Media Sphere. MIOSphere is a system to collect, analyze and visualize the diffusion of information in popular Online Social Media services. Our main objective is to build a rich, updated, and representative data set containing several types of information that users are sharing in Online Social Media services. We plan to include using MIOSphere technology to provide data for other scientific projects and for Web applications which might help users to manage and analyze information diffused in the Online Social Media Sphere.

16. ChaMAILeon: Simplified email sharing like never before!While passwords, by definition, are meant to be secret, recent trends in the Internet usage have witnessed an increasing number of people sharing their email passwords for both personal and professional purposes. As sharing passwords increases the chances of your passwords being compromised, leading websites like Google strongly advise their users not to share their passwords with anyone. To cater to this conflict of usability versus security and privacy, we introduce ChaMAILeon, an experimental service, which allows users to share their email passwords while maintaining their privacy and not compromising their security. ChaMAILeon provides users with a unique capability to define access control on their emails. Now you can control who can see which emails and who can send emails to whom from your account, by having multiple passwords for your email.

17. PhishAri: Detecting Phishing in Twitter. PhishAri is a Chrome browser extension for Twitter which detects phishing tweets in real time. PhishAri provides a clean, easy to use interface to display phishing tweets on your Twitter timeline. PhishAri makes realtime decisions to save you from risky clicks on those Phish URLs. No link previews, no browser warning pages but instant, realtime indications. PhishAri will show a legitimate or phish indicator (next to the URL) for tweets with URLs. Phishing URLs will have a red indicator, warning users not to click on the same. The legitimate links on other hand will have a green indicator. One can download PhishAri (beta version) from the Chrome Web store.

18. SMSAssassin: Detecting SMS Spams using Crowd Sourcing Approach. Due to exponential increase in use of Short Message Service (SMS) over mobile phones in developing countries, there has been a burst of

spam SMSes. The main goal for this research is to build algorithms and solutions to reduce the SMS spams in developing nations like India. We use crowd-sourcing approach, apply machine learning techniques and keep the user preferences in our solutions. We are currently evaluating the effectiveness of the system in real-world among some volunteers (thanks for their time and efforts!)

19. Biometric Quality Assessment Tool for Army Research Laboratory, Department of Defense, USA

20. Context Switching Tool for Multimodal Biometric Fusion for Army Research Laboratory, Department of Defense, USA

21. Face Recognition Tool for the Department of Information Technology, India

3.2   Patents

Ashish Sureka, System and Method for Verifying Credentials [specifically educational credentials to prevent academic frauds] **Inventors:** Denzil Correa & Ashish Sureka **Assignee (IP Owner)**: IIIT Delhi **US Patent Office:** Application number 13/492,870 filed on June 10th June 2012 **Indian Patent Office:** Application Number 1132-DEL-2012 on April 13th 2012

3.3   Sponsored / Consultancy Projects

Sponsored Research Projects

1. Use of Cell Phone for Detecting and Controlling Infectious Diseases by National Geographic Society, **PI:** Vinayak Naik **CoPI:** Raja Sengupta, Deborah Estrin, Antonia Arnaert, Amarjeet Singh **Funding:** Rs. 1,041,481.50 **Duration:** One year

2. "Web MAP Web based Mobile Architecture and Programming" by Nokia Global University Grant, **PI:** Dr. S.R.N. Reddy **CoPI:** Amarjeet Singh, Prof. M. Balakrishnan **Funding:** Rs. 13,00,000 **Duration:** Two years

3. How Should I Fix This Bug by Department of Science & Technology **PI:** Dr. Ashish Sureka, **Funding:** Rs. 342,000/- **Duration:** Three years

4. Heading Max Planck Partner Group with Prof. Gerhard Weikum of Max Planck Institute of Informatics in IIITD **PI:** Srikanta Bedathur **Funding:** Euros 40,000 PA **Duration:** Three years

5. "Effective economy-based dissemination of information in a Mobile-P2P environment for providing valuable social services (SERC/ET-178/2010)" under the SERC Fast Track Proposals for Young Scientist in Engineering Sciences by Dept of Science & Technology **PI:** Anirban Mondal **Funding:** Rs. 2,28,000 **Duration:** Three years

6. User Controlled Information Dissemination for Privacy in Location-based Services by Department of Science and Technology, India **PI:** Vikram Goyal **Funding:** Rs. 516,000 **Duration:** Three Years

7. Analysis of Ad-hoc Networks from SAG Research Lab, DRDO-Delhi **PI:** Pushpendra Singh **Funding:** ₹ 1,500,000 **Duration:** 15 months

8. Development and Evaluation of Mobile Learning Techniques for Indian Masses by Department of Science and Technology **PI:** Pushpendra Singh **Funding:** Rs. 511,000 **Duration:** Three years

9. Pervasive Sensing and Computing Technologies for Energy and Water Sustainability in Buildings by DIT and NSF **PI:** Amarjeet Singh **Co-PI:** Vinayak Naik, Pushpendra Singh and Prof. Pankaj Jalote (from India); Prof. Mani Srivastava, Prof. William J. Kaiser (US). **Funding:** Rs. 12,500,000 on Indian side and USD 300,000 on US side **Duration:** Two years

10. Research and Exploration in support of the proposed project title Use of Cell Phone for Detecting and Controlling Infectious Diseases from National Geographic Society (NGS) **PI:** Vinayak Naik and **Co-PI:** Raja Sengupta, Deborah Estrin, Antonio Arnaert, Amarjeet Singh, and Pushpendra Singh **Funding:** Rs.10,41,481.50 **Duration:** One year.

11. The Indian Ocean World: the making of the first global economy in the context of human-environment interactions by Social Science and Humanities Research Council of Canada (Major Collaborative Research Initiatives Program). **PI:** Bush, A., Chen, C., Cheriet, M., Chmura, G., Gillon, B., Luginaah, I., Kalacska, M., Schottenhammer, A., Unruh, J., Warren, J. **Co-PI** with Campbell, G. **Funding:** C$2,500,000 **Duration:** *(subcontract of C$ 6000 to IIIT-D for 2011-12 academic year).*

12. Virtual Centre of Excellence for Research in Violent Online Political Extremism. 7th Framework Programme for Research (FP7). **PI:** Dr. Maura Conway, Dublin City University. **Co-PI:** Ponnurangam Kumaraguru along with 8 other universities around the world (2 in UK, 2 in Netherlands, 1 in the US, 2 in Denmark, 1 in Hungary). **Funding:** 5,980,704 Euros (Rs. 415,658,928) **Duration:** Five years

13. Automated Detection of Security and Privacy Threats in Peer-to-Peer networks. **PI:** Prof. Chittattaranjan Hota, BITS Pilani Hyderabad. I am an external advisor for the project; funds have been allocated for my cost. **Funding:** Rs. 61,95,000 **Duration:** Four years

14. Under Indo-Ireland Cooperative Science Programme. An inter-disciplinary approach towards building ontology for online extremism by Department of Science & Technology. **PI:** P. Kumaraguru **Funding:** Rs. 836,000 **Duration:** 2011 - 2013.

15. Performance metrics for short sequence generation systems from CAIR, DRDO, Banaglore **PI:** Somitra Sanadhya **Funding:** Rs.950,000 lakhs **Duration:** 18 months.

16. Design and analysis of cryptographic primitives from NRB, Ministry of Defense, New Delhi **PI:** Somitra S Sanadhya **Funding:** Rs. 25,20,000 lakhs **Duration:** Three years

17. Iris Recognition by Delta ID, USA **PI:** Dr. Mayank Vatsa: **Funding:** $6000 **Duration:** Two years

18. Recognizing Surgically Altered Face Images For Security Application by Dept of Science & Technology **PI:** Dr. Richa Singh; **Funding:** Rs.13,69,000; **Duration:** Three years

19. Face Recognition by Cognitec **PI:** Dr. Richa Singh; **Funding:** Euros 8500; **Duration:** One year

Consultancy Assignments

1. To conduct research in Mobile Health from Nokia Research, India **PI:** Vinayak Naik **Funding:** Euros 17,500 (Rs. 12,14,749.00) **Duration:** Three years

2. Providing consultancy services to Accenture in the field of Mining Software Repositories (MSR) and Automated Software Engineering **PI:** Ashish Sureka **Funding:** Rs. 300,000 **Duration:** 8-10 months

Other Support / Grant

1. Hemant Bharat Ram Fellowship to conduct research in the area of security and privacy. **PI:** P. Kumaraguru **Funding:** Rs.1,400,000 **Duration:** 2011 - 2015. To support one Ph.D student for 4 years

2. Atmel MCU Lab: Received 80 microcontroller hardware units (xMega25, Dragon30, EVK1100-25) from Atmel Corporation worth $6420 as part of Atmel University Program to setup Atmel MCU Lab at IIIT Delhi

3.4   Research Publications

Refereed Journals

1. M. Vatsa, R. Singh, A. Noore, and K. Morris, Simultaneous Latent Fingerprint Recognition, *In Applied Soft Computing, Elsevier*, Vol. 11, No. 7, pp. 4260-4266, 2011.

2. K. Rawat, M. S. Hashmi, F. M. Ghannouchi, "Dual-band RF Circuits and Components for Multi-standard Software Defined Radios," *IEEE Circuits and Systems Magazine*, Vol. 12, Issue 1, pp. 12-32, March 2012.

3. K. Rawat, M. S. Hashmi, F. M. Ghannouchi, "Dual the Band and Optimize Doherty Power Amplifier," *IEEE Microwave Magazine*, Vol. 13, Issue 2, pp. 69-82, April 2012.

4. W. S. El-Deeb, M. S. Hashmi, N. Boulejfene, F. M. Ghannouchi, "Systematic Calibration of Two-Port Network Analyzer for Measurement and Engineering of Waveforms at Radio Frequency," *Progress in Electromagnetic Research C*, Vol. 28, pp. 209-222, April 2012.

Refereed Conferences

1. R. Khurana, S. Sharma, A. Mehra, D. Yadav, V. Naik, A. Singh, Jiah: *Healthcare goes Mobile,* 3rd International Conference on Mobile Communication for Development (M4D2012), New Delhi, India, Feb 28-29, 2012

2. P. Singh, A. Singh, S. Lal, V. Naik, *"CVDMagic: A Mobile Based Study for CVD Risk Detection in Rural India"*, International conference on information and communication technologies and development (ICTD) , pp 359-366, Atlanta, Georgia, March 12-15, 2012

3. S. Asthana, P. Singh, P. Kumaraguru, A. Singh, V. Naik, *"Tring! Tring! An Exploration and Analysis of Interactive Voice Response Systems"*, 4th International Conference on Human Computer Interaction (India HCI), Pune, India, April 18-21, 2012

4. S. K. Madria, A. Mondal *"Dynamic data management in Mobile-P2P networks"* in 13th International Conference on Mobile Data Management from July 23-26, 2012

5. R. Shukla, A. Sureka, R. Joshi, R. Mall; *A Report on Software Engineering Education Workshop, ACM SIGSOFT Software Engineering Notes*, Volume 37, Issue 3, Pages 26-31, May (2012)

6. S. Lal, A. Sureka; *A Static Technique for Fault Localization Using Character N-Gram Based Information Retrieval Model,* 5th India Software Engineering Conference (ISEC), Pages 109-118, (2012) in February 22-25, 2012

7. Sureka, S. Lal, L. Agarwal; *Applying Fellegi-Sunter (FS) Model for Traceability Link Recovery between Bug Databases and Version Archives*, 18th Asia-Pacific Software Engineering Conference (APSEC), Pages 146-153, (2011) in December 5-8, 2011

8. D. Correa, A. Sureka; *Mining Tweets for Tag Recommendation on Social Media*, International Workshop on Search and Mining User-generated Contents (SMUC 2011) co-located with 20th ACM Conference on Information and Knowledge Management (CIKM 2011) in October 24th – 29th 2011

9. Anand, S. Bedathur, K. Berberich and R. Schenkel; *Temporal Index Sharding for Space-Time Efficiency in Archive Search;* 34th International ACM SIGIR Conference on Research and Development in Information Retrieval, SIGIR 2011, Beijing, China.

10. G. Weikum, S. Bedathur, R. Schenkel; *Temporal Knowledge for Timely Intelligence.* Enabling Real-Time Business Intelligence, Springer Lecture Notes in Business Information Processing Vol. 84, Pages 1-6, 2011 at the 4th International Workshop on Enabling Real-Time Business Intelligence (BIRTE) 2010 – Collocated with VLDB 2010

11. S. Saxena, M. Pundir, V. Goyal, D. Bera: *Preserving Location Privacy for Continuous Queries on Known Route*, 7th International Conference of Information Systems Security (ICISS 2011): 265-279, 15-19 December 2011, Jadavpur University, Kolkata

12. K. Yadav, V. Naik, A. Singh, P. Singh, and Umesh Chandra, *"Low Energy and Sufficiently Accurate Localization for Non-Smartphones"*, to appear in IEEE MDM 2012, 13th International Conference on Mobile Data Management. July 23-26, 2012, Bengaluru, India.

13. S. Kaul, R. Yates, and M. Gruteser, *"Real-Time Status: How Often Should One Update?,"* IEEE Infocom Mini Conference, 2012.

14. R. Yates and S. Kaul, *"Real-Time Status Updating: Multiple Sources"* accepted at IEEE International Symposium on Information Theory (ISIT) 2012.

15. S. Kaul, R. Yates and M. Gruteser, *"Status updates through Queues"* invited at Conference on Information Sciences and Systems (CISS), Princeton University, 2012.

16. M. Jain, A. P. Singh, S. Bali and S. Kaul, *"Speed-Breaker Early Warning System"* accepted at Networked Systems for Developing Regions (NSDR) 2012

17. MacKenzie, C. C. Chapman, and R. Sengupta; *Spatial patterns of illegal resource extraction in Kibale* National Park, Uganda (2012). Environmental Conservation 39(1): 38-50.

18. Gupta and P. Kumaraguru: *Credibility ranking of tweets during high impact events.* Workshop on Privacy and Security in Online Social Media, Co-located with WWW (2012).

19. P. Jain, T. Rodrigues, G. Magno, P. Kumaraguru, and V. Almeida: *Cross-pollination of information in online social media: A case study on popular social networks.* 3rd International Conference on Social Computing (2011).

20. G. Rauber, V. Almeida, and P. Kumaraguru: *Privacy Albeit Late.* WEBMEDIA, Brazilian Symposium on Multimedia and the Web (2011).

21. S. Chhabra, A. Aggarwal, F. Benevenuto and P. Kumaraguru: *Phi. sh/$oCiaL: The Phishing Landscape through Short URLs.* 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS 2011).

22. Ion, N. Sachdeva, P. Kumaraguru and S. Capkun: *Home is Safer than the Cloud! Privacy Concerns for Consumer Cloud Storage.* Symposium on Usable Privacy and Security (SOUPS) (2011)

23. V. Agarwal, V. Desai, S. Kapoor, P. Kumaraguru and S. Mittal: *Enhancing the Rural Self Help Group – Bank Linkage Program.* IEEE International Conference on Service Operations and Logistics, and Informatics (2011).

24. Gupta, K. K. Viswanathan, A. Joshi, T. Finin and P. Kumaraguru: *Integrating Linked Open Data with Unstructured Text for Intelligence*

Gathering Tasks. In Proceedings of the Information Integration on the Web (IIWeb), Co-located workshop at WWW (2011).

25. R. Khot, S. Kannan and P. Kumaraguru: *A Novel Jigsaw Based Authentication Scheme using Tagging.* In Proceedings of the 29th International Conference on Human Factors in Computing Systems. CHI 2011.

26. N. Bagheri, M. Safkhani, M.Naderi, S. Sanadhya and H. Behnam "On the Security of Mutual Authentication Protocols for RFID Systems: The Case of Wei et al.'s Protocol" with at DPM 2011, LNCS.

27. N. Bagheri, M. Safkhani, M. Naderi, S. Sanadhya and H. Behnam "Security Analysis of LMAP++, an RFID Authentication Protocol" at RISC 2011

28. S. Saxena, M. Pundir, V. Goyal, D. Bera: Preserving Location Privacy for Continuous Queries on Known Route, 7th International Conference of Information Systems Security (ICISS 2011): 265-279, 15-19 December 2011, Jadavpur University, Kolkata

29. S.S. Arora, M. Vatsa, R. Singh, and A.K. Jain, *Iris Recognition under Alcohol Influence: A Preliminary Study,* In Proceedings of IAPR/IEEE International Conference on Biometrics, 2012

30. H. Lamba, A. Sarkar, M. Vatsa, and R. Singh, *Face Recognition for Look-Alikes:* A Preliminary Study, In Proceedings of International Joint Conference on Biometrics, 2011, Oct 11-13, 2011.

31. T.I. Dhamecha, A. Sankaran, R. Singh, and M. Vatsa, *Is Gender Classification across Ethnicity Feasible using Discriminant Functions?* In Proceedings of International Joint Conference on Biometrics, 2011, Oct 11-13, 2011

32. Sankaran, T.I. Dhamecha, M. Vatsa, and R. Singh, *On Matching Latent to Latent Fingerprints,* In Proceedings of International Joint Conference on Biometrics, 2011, Oct 11-13, 2011.

33. H.S. Bhatt, S. Bharadwaj, R. Singh, M. Vatsa, A. Noore, and A. Ross, *On Co-training Online Biometric Classifiers,* In Proceedings of International Joint Conference on Biometrics, 2011, Oct 11-13, 2011.

34. H.S. Bhatt, S. Bharadwaj, M. Vatsa, R. Singh, A. Noore, and A. Ross, *Quality Driven Biometric Classifier Selection Framework for Improved Performance,* In Proceedings of International Joint Conference on Biometrics, 2011, Oct 11-13, 2011.

35. S. Bharadwaj, H.S. Bhatt, M. Vatsa, and R. Singh, *Quality Assessment based Denoising to Improve Face Recognition Performance,* In Proceedings of IEEE Computer Society and IEEE Biometrics Council Workshop on Biometrics at Computer Vision and Pattern Recognition Conference, 2011.

36. K. Rawat, M. Rawat, M. S. Hashmi, F. Falcone, F. M. Ghannouchi, *"Dual-band Phase Offset Line with Required Transmission Phases at Two Operational Frequencies,"* IEEE International Microwave Symposium, Montreal, Canada, June 17-22, 2012

4 Outreach and Professional Service

IIIT-D organized number of national and international conferences, conducted short courses and workshops in the past academic year which are highlighted below.

4.1 Conference / Short Courses / Workshops Organized

1. **International Conference on Biometrics:** *29th Mar – 1st Apr 2012*
   IIIT-Delhi is the host organization of 5th IAPR/IEEE International Conference on Biometrics. It is an official conference of the IAPR Technical Committee on Biometrics (TC4) and IEEE Biometrics Council. The Conference had a broad scope and invites papers that advance biometric technologies, sensor design, feature extraction and matching algorithms, analysis of security and privacy, and evaluation of social impact of biometrics technology. Topics will include biometric systems based on fingerprint, iris, face, voice, gait and other modalities as well as biometric fusion and emerging biometrics based on novel sensing technologies. Three eminent keynote speakers are Nandan Nilekani (Chairman, UIDAI), John Daugman (Professor, U. Cambridge) and Ming Hsieh (President, 3M Cogent).

2. **Research Showcase** - *23rd - 24th March, 2012*
   IIIT-Delhi is organized its second annual Research Showcase to showcase the prominent research and projects being carried out at the institute. These posters and demos include some of the recent innovations by various research groups at IIIT-Delhi as well as outstanding projects done by students as part of their courses. Research Showcase is intended for faculty of other institutes, industry professionals, media, students, parents and other tech-savvy visitors.

3. **Winter School** – *9th – 23rd December 2011*
   Winter School 2011 phase of the Internship Program in Technology Supported Education (IPTSE) is being held at IIIT-Delhi. The Winter School is organised by partnership between the IIIT-Delhi and Carnegie Mellon University with sponsorship from Microsoft Research India and the Pittsburgh Science of Learning Center.

4. **Workshop on Multivariate equation solving techniques supported** – *March 2012*
   Organized a workshop on "Multivariate equation solving techniques" supported by DRDO. The speakers were Jean-Charles Faugere and Ludovic Perret from INRIA, France in March 2012 at IIIT-Delhi, New Delhi.

5. **Workshop on Privacy & Security** – *Nov 2011 – April 2012*
Co-organizer for the Workshop on Privacy and Security in Online Social Media, Co-located with WWW 2012 during Nov 2011 – April 2012

6. **Workshop on Privacy & Security** - *23rd July 2011*
Co-organized a one day workshop on Privacy and Security in Online Social Media, 23 July, 2011 CDAC-Hyderabad

4.2 Participation of Faculty in National & International Conferences

Our faculties have also attended number of national and international conferences and presented their research results during the past academic year.

1. *V. Naik & A. Singh:* 3rd International Conference on Mobile Communication for Development (M4D2012), New Delhi, India, Feb 28-29, 2012

2. *P. Singh, V. Naik, & A. Singh:* International conference on information and communication technologies and development (ICTD), Atlanta, Georgia, March 12-15, 2012

3. *P. Singh, P. Kumaraguru, V Naik, A Singh;* 4th International Conference on Human Computer Interaction (India HCI), Pune, India, April 18-21, 2012

4. *A Mondal:* 13th International Conference on Mobile Data Management from July 23-26, 2012

5. *A Sureka;* 5th India Software Engineering Conference (ISEC), Pages 109-118, (2012) in February 22-25, 2012

6. *A Sureka;* 18th Asia-Pacific Software Engineering Conference (APSEC), Pages 146-153, (2011) in December 5-8, 2011

7. *A Sureka;* 20th ACM Conference on Information and Knowledge Management (CIKM 2011) in October 24th – 29th 2011

8. *S. Bedathur;* 17th International Conference on Management of Data (COMAD 2011) from December 19 – 21, 2011 Bangalore, India

9. *S. Bedathur;* 4th International Workshop on Enabling Real-Time Business Intelligence (BIRTE) 2010 – Collocated with VLDB 2010

10. *P. Singh, P. Kumaraguru, A. Singh, V. Naik:* 4th International Conference on Human Computer Interaction (IndiaHCI), Pune, India, April 18-21, 2012

11. *P. Singh, A. Singh, V. Naik:* International conference on information and communication technologies and development (ICTD) , pp 359-366, Atlanta, Georgia, March 12-15, 2012

12. *V. Naik, A. Singh, P. Singh:* IEEE MDM 2012, 13th International Conference on Mobile Data Management. July 23-26 2012, Bengaluru, India.

13. *S. Kaul:* The 30th IEEE Infocom Mini Conference, March 25-30, 2012 Orlando, Florida USA.

14. *S. Kaul:* IEEE International Symposium on Information Theory (ISIT) 2012, July 1-6, 2012, Cambaridge, USA

15. *S. Kaul:* Conference on Information Sciences and Systems (CISS), at Princeton University from March 21-23, 2012

16. *S. Bali and S. Kaul:* 6th ACM Workshop on Networked Systems for Developing Regions (NSDR) on June 15th 2012 at Boston, USA

17. *V. Naik and Amarjeet Singh:* Healthcare goes Mobile at 3rd International Conference on Mobile Communication for Development (M4D2012), New Delhi, India on Feb 28-29, 2012

18. *R. Sengupta:* Spatial patterns of illegal resource extraction in Kibale National Park, Uganda (2012). Environmental Conservation 39(1): 38-50.

19. *G Gupta and P. Kumaraguru:* Credibility ranking of tweets during high impact events. Workshop on Privacy and Security in Online Social Media, Co-located with WWW (2012).

20. *P. Singh, P. Kumaraguru, A. Singh, and V. Naik:* 4th International Conference on Human Computer Interaction Pune, India, 18-21st April 2012

21. *P. Kumaraguru:* The 3rd International Conference on Social Computing (2011) from October 9 – 11, 2011 at Boston, USA.

22. *P. Kumaraguru:* WEBMEDIA, 17th Brazilian Symposium on Multimedia and the Web (2011) from 3 – 6 Oct 2011 at Florianopolis, Brazil

23. *P. Kumaraguru:* The 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS 2011) from 1-2 September 2011, Perth, WA, Australia.

24. *P. Kumaraguru:* The Symposium on Usable Privacy and Security (SOUPS) (2011) at July 20-22, 2011 Pittsburgh, PA, USA

25. *P. Kumaraguru:* 2012 IEEE International Conference on Service Operations and Logistics, and Informatics July 8-10, 2012, Suzhou, China

26. *P. Kumaraguru:* In Proceedings of the Information Integration on the Web (IIWeb), Co-located workshop at WWW (2011).

27. *P. Kumaraguru:* In Proceedings of the 29th International Conference on Human Factors in Computing Systems. CHI 2011

28. *V. Goyal, D. Bera:* The 7th International Conference of Information Systems Security (ICISS 2011): 265-279, 15-19 December 2011, Jadavpur University, Kolkata

29. *M. Vatsa, R Singh:* 5th IAPR/IEEE International Conference on Biometrics in New Delhi from March 29 – April 1, 2012

30. *M. Vatsa, R Singh;* International Joint Conference on Biometrics, 2011 in from Oct 11 – 13, 2011

31. *M. S. Hashmi:* IEEE International Microwave Symposium, Montreal, Canada, June 17-22, 2012

4.3   Other Visits by Faculty

1. *P. Singh:* Invited for a seminar on "Using IT for effective teaching" in CSI 2011

2. *S Bedathur:* Invited for a talk "Towards Visual Navigation and Exploration of Large-scale Networks" at Bell Labs India, Bangalore in 16th August 2011

3. *S Bedathur:* Invited for a talk on "Evolution of Time-travel Indexing" Yahoo! Labs, Bangalore in 22nd December 2011

4. *S Bedathur:* Invited for a talk on "Time machines on the Web" at ACM Delhi chapter, Delhi University on 17th March 2012

5. *V. Goyal:* Invited for talk on "Research Challenges in Privacy in Location-based Services" at NIT Warangal in 5 day refresher course on Database Security

6. *V. Goyal:* Invited for lecture on "Introduction to Privacy in Location-based Services" at Maharaja Surajmal Institute of Technology Delhi in the Faculty Development Program on Recent Trends in Web Technology

7. *V. Goyal:* Invited as an expert at MDU, Rohtak in the workshop on Advances in Computing Communication Networks and Electrical Systems

8. *P Singh;* Invited talk at "Peer Mentorship Workshop" held in conjunction with ICTD 2012 at Atlanta, Georgia, USA.

9. *V Naik:* Invited talk at Joint Annual Conference of Indian Association of Preventive and Social Medicine - Gujarat Chapter (19th) & Indian Public Health Association Gujarat Chapter (1st), Ahmedabad on Use of Technology in Public Health on March 16, 2012

10. *G Gupta:* Deliver invited lecture on topic "Current and Future Trends In Digital Forensic" at Haryana Police academy, Madhuban, Karnal, Haryana

11. *G Gupta:* Deliver invited lecture on topic "Myth versus reality of computer frauds and cyber crime" at PES college of engineering, Bangalore

12. *G Gupta:* Deliver invited lecture on topic "Current and Future Trends in Digital Forensic" at AIT conducted Faculty Development program.

13. *P. Kumaraguru:* Research @ PreCog, Università della Svizzera italiana, Lugano, Oct 9, 2011.

14. *P. Kumaraguru:* Privacy and Security Research @ PreCog, Universidade Federal do Rio de Janeiro, Brazil, July 1, 2011.

15. *P. Kumaraguru:* Privacy and Security Research @ PreCog, Laboratório Nacional de Computação Científica, Brazil, July 4, 2011

16. *S. Sanadhya:* Cryptanalysis of hash functions, GL Bajaj, Mathura, 17th March-2012

17. *S. Sanadhya:* Weaknesses in a real life authentication protocol WEP, IMS Noida, 18-Feb-2012.

18. *S. Sanadhya:* Cold boot attack, Staff Development Program on Applications of advanced computing technologies: Emerging research trends, Ambdekar Institute of Technology, Delhi, 10-Jan-2012

19. *S. Sanadhya:* Theory of Block cipher design, TPDM on Block ciphers, BARC Mumbai, 16-Dec-2011

20. *S. Sanadhya:* Introduction to Block-ciphers, TPDM on Block ciphers, BARC Mumbai, 16-Dec-2011

21. *S. Sanadhya:* The design and analysis of Skein Hash function, SHA-3 workshop, ISI Kolkata, 9-Dec-2011

22. *S. Sanadhya:* SAT problem and its variants, Workshop on Algebraic cryptanalysis, CRRao AIMS, Hyderabad, 26-Nov-2011

23. *S. Sanadhya:* Challenges in designing usable mobile banking schemes in the developing world, Katholic University, Leuven, Belgium, 20-Sept-2011

24. *S. Sanadhya:* Collision attacks against reduced round SHA-2, NUS Singapore, 2-Sept-2011

25. *S. Sanadhya:* Stream ciphers and the curious case of WEP, Workshop on Stream ciphers, Univ of Hyderabad, 15-Oct-2011

26. *S. Sanadhya:* Introduction to Digital signatures, National level Instructional workshop on Cryptology, Amrita University, Coimbatore, 10-May-2011

27. *S. Sanadhya:* Introduction to Cryptology, Refresher course, Academic Staff College, JNU, 7-Sept-2011

28. *S. Sanadhya:* Introduction to Cryptology, Faculty Development Program, AIT, Delhi, 21-July-2011

29. *S. Srivastava:* Talk on Software Defined Radios at SAG, DRDO in September 2011

30. *S. Srivastava:* Talk on "FPGA Design - Security Trends and Analysis " at SAG, DRDO in October 2011

4.4 Distinguished Visitors and Invited Seminars

The aim of inviting distinguished visitors to IIIT-D is to provide opportunity for the faculty to strengthen the collaborative research and enhance its visibility both in academia and industry. Many distinguished visitors from academia and industries visited IIIT-D that served as a venue for exchanging research ideas. Some of these visits are mentioned below.

Presenter Name	Affiliation	Talk Title	Date
Dr. Amit Nanavati	Senior Researcher, IBM Research	SNAzzy and the Spoken Web	22nd Mar 2012
Prof. Guri Sohi	University of Wisconsin - Madison	The Micro - architecture of Microprocessors: Past, Present, and Future	27th Jan 2012
P. Vigneswara Ilavarasan	IIT-Delhi	The Limited Impact of ICTs on Microenterprise Growth: A Study of Businesses Owned by Women in Urban India	19th Jan 2012
Sandeep K. Shukla,	Director, Virginia Polytechnic Institute and State University	Abstract Interpretation, Polychrony, and Safety- Critical Software Synthesis from Formal Specifications	12th Jan 2012
Sandeep K. S. Gupta,	Arizona State University	Ensuring Safety, Security and Sustainability in Mission-Critical Cyber-Physical Systems (CPS)	17th Nov 2011

Ashutosh Sharma	Infosys	Infosys Prize Lecture on Nanotechnology – Nanotechnology and Nature-inspired Technologies	17th Nov 2011
Dr. Thomas Zimmermann	Microsoft Research	Empirical Software Engineering and Measurement at Microsoft	19th Oct 2011
Dr. Leon Morenas		The Death and Life of the Great Modern Beehive	6th Oct 2011
Dr. Sanjay Madria	Missouri University of Science & Technology	XML Structure and Content Semantic Similarity Detection	5th Aug 2011
Prof. Prabhat Ranjan	Dhirubhai Ambani Inst for Info & Comm Tech, Gandhinagar (DA-IICT)	Sensors and Sensor Network Applications for Nation and Society	9th Aug 2011
Dr. Ed Cutrell	Head, Technology for Emerging Markets group, Microsoft Research India	Innovations in Computing for Global Development at Microsoft Research India	10th Aug 2011

4.5 Professional Service

IIIT-D faculty served in various research and conference committees and served in various editorial boards as outlined below.

Subhasis Banerjee:

International Program Committee member in "International Conference on Informatics, Electronics and Vision 2012" held in Dhaka, Bangladesh. This is a new conference however it has strong support from several universities worldwide including IITs and ISI from India. This conference is sponsored by IEEE communication society.

Reviewer of International Journal of Parallel Programming (Springer) and Elsevier Journal of Systems Architecture

Amarjeet Singh:

PC Member - ICDCN 2012, Comsnets 2012, Nethealth 2012, Wisard 2012, ACM DEV 2012

Session co-chair, IBM I-CARE, 2011

Reviewer: ICRA 2012, CDC 2012, IEEE Transaction of Robotics, IROS 2012

Publicity co-chair, Comsnets 2013

Pushpendra Singh:

Advisory Roles: Reviewed two research proposals for DST

Editorial Board Member, Transactions in GIS Journal

Ponnurangam Kumaraguru:

Member of Project Review and Steering Group (PRSG), Development of Active Honeypot for Distributed Honeynet System, by C-DAC Mohali

Member of Project Review and Steering Group (PRSG), Development and Implementation of Reactive Roaming Scheme for Honeypots, by IIITM Gwalior

Member of the Indo-Brazil Joint Commission on Science and Technology (JCST) setup by Department of Science and Technology

Working with NASSCOM & DSCI to provide recommendations to the Privacy Act formulated by the Planning Commission. In the process of interacting with government officials in legal department.
Reviewer for ACM's Transaction of the Web (TWEB)

Richa Singh:

Editorial Board Member, Journal of Information Fusion by Elsevier (November 2011 onwards)

Local Arrangements Co-Chair, International Conference on Biometrics, New Delhi, India, March 29-April 1, 2012

Session Chair, International Joint Conference on Biometrics, Washington DC, USA, October 10-13, 2011.

Reviewer of several IEEE, Elsevier and other journals and conferences.

Mayank Vatsa:

Area Editor, IEEE Biometrics Compendium, (From January 2012)

Local Arrangements Co-Chair, International Conference on Biometrics, New Delhi, India, March 29-April 1, 2012

Session Chair, IEEE Computer Society and IEEE Biometrics Council Workshop on Biometrics at Computer Vision and Pattern Recognition Conference, Colorado Springs, USA, May 20-23, 2011

Review Process Manager, Information Fusion Journal - Elsevier

Reviewer of several IEEE, Elsevier and other journals and conferences

Saket Srivastava:

TPC member: FIE 2012, ISED 2012,

Reviewer for DAC 2012, TVLSI, TNANO

Mohammad Hashmi:

Guest Editor for International Journal of Microwave Science and Technology

Reviewer for IEEE Transactions on Microwave Theory Techniques, Instrumentation & Measurement, and IEEE Microwave & Wireless Component Letters

5 Placement and Internships

A vigorous drive was initiated in inviting various public and private sector organizations, and R&D labs for campus interviews that resulted in the placement of 39 B.Tech. students and 15 M.Tech. students in the last academic year. The break-up of the placement statistics are provided below. It is an achievement of our placement and training cell that many students got good offers from well known organizations such as Paypal, Adobe, TCS etc.

5.1   Placements

M.Tech. 2010 - 2012 Placement Statistics

- Number of students (batch size): **21**
- Number of students registered with placement cell: **16**
- Number of students opted out (not-registered) of placement process (higher studies, on-leave or self-employed): **5**
- Number of students placed through placement cell (registered): **8**
- Number of students placed without assistance from placement cell (registered with placement cell but got jobs on their own): **7**
- Number of students not yet placed: **1**
- Number and Percentage of students placed (includes students placed without assistance from placement cell): **15** (15/16 = **93.75%**)s
- Number and Percentage of Students Placed with Job Location as India: **14** (14/15 = **93.4%**)
- Number and Percentage of Students Placed with Job Location as Overseas / International: **1** (1/15 = **6.6%**)
- Highest Salary (Job Location: India): **16.5 Lakhs Per Year** at Microsoft
- Highest Salary (Job Location: International): 18.1 Lakhs Per Year (**121000 AED Per Year**, Dubai, Company: Dubizzle)
- Average Salary (Job Location: India Only): **7.3 Lakhs Per Year**
- Number and percentage of students placed above 6 Lakhs per year salary (India only): 8 (8/14 = **57.2%**)

B.Tech. 2010 - 2012 Placement Statistics

- Number of students (batch size): **49**
- Number of students with missing information: **2** (we have contacted them and waiting for response)
- Number of students opted-out of placement process (higher studies, on-leave or self-employed): **6**
- Number of students placed (through placement cell and without assistance from placement cell): **39 (39/41=95%)**

- Number of students not yet placed and searching for jobs: **2 (2/41=5%)**
- Number of Students Placed with Job Location as India: **36 (36/39=92.3%)**
- Number of Students Placed with Job Location as International: 3 **(3/39=7.7%)**
- Highest Salary (Job Location: India): **16.5 Lakhs Per Year** at Microsoft
- Highest Salary (Job Location: International): Two offers of 34.5 Lakhs Per Year (5 Million JPY Per Year, Japan, Company: Works Application). One offer 18.1 Lakhs Per Year (121000 AED Per Year, Dubai, Company: Dubizzle)
- Average Salary (Job Location: India Only): 6.13 Lakhs Per Year
- Number and percentage of students placed above 6 Lakhs per year salary (India only): 20 (20/36 = 55.55%)

<h2 style="text-align:center">List of Selected Companies Visiting IIIT-D
for Campus Recruitment</h2>

5.2 Internships by IIIT-D Students

Sl No.	Student Name	Internship
1	Aadish Gupta	Infosys - Protégé
2	Aayush Jain	TCS Innovation Labs
3	Akash Vanjani	Microsoft IDC
4	Akshit Nanda	Infosys - Protégé
5	Anish Kumar	HISP
6	Daksha Yadav	Computer Vision Lab, Sassari
7	Jatin Kumar	Infosys - Protégé
8	Lakshay Gupta	HISP
9	Mayank Pundir	Microsoft IDC
10	Mehak Soni	Infosys - Protégé
11	Nikhil Mahajan	Accenture R&D
12	Nikita Dagar	HISP
13	Pranav P Raj	Microsoft IDC
14	Priyanshi Mittal	Infosys - Protégé
15	Raghav Sethi	Microsoft IDC
16	Rahul Bhatnagar	Infosys - Protégé
17	Saloni Jain	Infosys - Protégé
18	Saurav Bose	Infosys - Protégé
19	Srishty Grover	HISP
20	Surabhi Kabra	HISP
21	Surbhi Jain	TCS Innovation Labs
22	Suvan Raj	HISP
23	Swetank Kumar Saha	Infosys - Protégé
24	Tarang Chugh	Inria
25	Tarun Vashisht	Infosys - Protégé
26	Vani Sivasankar	Infosys - Protégé
27	Varun Gandhi	Microsoft Research

5.2   Internships to other students in IIIT-Delhi

Sl No.	Name	Institute	Name of Supervisor
1	Garima Nijhawan	JIIT	Dr. M.S. Hashmi
2	Varun Suryawanshi	NIT Hamirpur	Dr. Somitra Sandhya
3	Harkirat Singh	NIT Hamirpur	Dr. Somitra Sandhya
4	Ankita Likyani	IIITD	Dr. Vikram Goyal
5	Priyanshu	IIT Kanpur	Dr. Vikram Goyal
6	Tushar Rao	NSIT	Dr. Saket Srivastava
7	Mohit Sharma	NSIT	Dr. Saket Srivastava
8	Arpit Gupta	DTU	Dr. Ashish Sureka
9	Abhinandan Patni	VIT Chennai	Dr. Subhasis Banerjee
10	Mohit	DAIICT	Dr. Amarjeet Singh
11	Gursimran	NSIT	Dr. Amarjeet Singh
12	Pranav	NSIT	Dr. Amarjeet Singh

6 Awards and Recognitions

Our distinguished faculty earns awards and recognitions and continues to make considerable difference in IT and allied domains. These are highlighted below.

6.1 Faculty

A. Singh: IBM Faculty Award, 2011-12 (One of the three faculties selected in India)

P. Kumaraguru: Received best poster award on work in progress "Mobile-Based Early Assault Detection and Alert Dissemination" at Research Showcase 2012.

P. Kumaraguru: Received Best Paper Award for Phi.sh/$oCiaL: The Phishing Landscape through Short URLs. Accepted at 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS 2011).

M Vatsa, R Singh: Best Poster Award in International Joint Conference on Biometrics, Washington DC, USA, 2011

M Vatsa, R Singh: Special Contribution Award in International Conference on Biometrics, New Delhi, India, 2012

6.2 Students

Mr. Pandarasamy Arjunan received IBM Fellowship for 2011-12
Mr. Siddhartha Asthana received TCS Research Fellowship for 4 years
Ms. Shruti Chhabra received the TCS Fellowship Award.
Mr. Denzil Correa received the NIXI International Travel Conference Support.
Ms. Ayushi Rastogi received the TCS Fellowship Award
Mr. Samarth Bhardwaj received IJCB doctoral consortium fellowship, 2011
Mr. Himanshu Bhatt received the prestigious IBM Ph.D. fellowship, 2011

7 Sports

IIIT-Delhi's Sports Team participated for the second time this year in Twaran 2012 - IIITM Gwalior's sports festival. College teams from all over the country participated and the IIIT-Delhi team stood 3rd in the in the medals tally with 2 gold's and 2 silvers.

Medals were won in the following sports:
- Lawn Tennis (Boys)   :   Gold
- Basketball (Girls)   :   Gold
- Football (Boys)   :   Silver
- Table Tennis (Girls)   :   Silver

Sushant Mehta, Megha Gupta and Aakarsh Malhotra were also adjudged Most Valued Player in Lawn Tennis, Basketball and Football respectively.

8 Administration and People

8.1 General Council

Sh. Tejendra Khanna   **Chairman**
(Hon'ble Lt Governor of Delhi)

Dr. Arabinda Mitra   **Member**
(Executive Director, Indo-U.S. Science and Technology)

Dr. B. K. Gairola   **Member**
(Director General, National Informatics Centre,
Min of Communications)

Mr. Kiran Karnik   **Member**
(Chairman, BOG, IIITD)

Mr. Lalmalswama   **Member**
(Principal Secretary, Dept of Training and Technical Education)

Prof. Pankaj Jalote   **Member**
(Director, IIIT-Delhi)

Mr. Som Mittal   **Member**
(President, NASSCOM)

Dr. Thirumalachari Ramasami   **Member**
(Secretary, Department of Science & Technology)

Dr. V. K. Saraswat   **Member**
(Head, DRDO, SA to RM & Secretary
Defense R&D and DG R&D)

8.2 Board of Governors

Mr. Kiran Karnik   **Chairman**

Prof. B. N. Jain   **Member**
(Vice Chancellor, Birla Institute of Technology and Science)

Mr. D. M. Spolia   **Member**
(Principal Secretary (Finance), Govt. of NCT of Delhi)

Dr. Jai Menon   **Member**
(Director - Global Innovation and IT, Bharti Airtel Ltd)

Mr. Lalmalswama   **Member**
(Principal Secretary, Dept of Training and Technical Education)

Prof. Pankaj Jalote   **Member**
(Director, IIIT-Delhi)

Dr. P. Anandan   **Member**
(Chairman and Managing Director, Microsoft)

Prof. Ranjit Roy Chaudhury   **Member**
(President, Delhi Medical Council)

Prof. Rajeev Sangal   **Member**
(Director, IIIT Hyderabad)

Dr. T. V. Mohandas Pai   **Member**
(Chairman, Manipal Global Education Services Pvt. Ltd)

8.3 Senate

Sl. No.	Name	
1	Prof. Pankaj Jalote	Chairman, Director IIIT-D
EXTERNAL MEMBERS		
2	Prof. K.K. Biswas	IIT- Delhi
3	Prof. Dheeraj Sanghi	IIT - Kanpur
4	Prof. Dinesha	IIIT-Bangalore
5	Prof. Jayanthi Sivaswamy	IIIT-Hyderabad
6	Prof. M. Chelliah	Yahoo !

7	Mr. Mukesh K. Mohania	IBM
8	Mr. Sanjay Bahl	Microsoft
9	Mr. Saugat Sen	Cadence
10	Mr. C. Anantaram	TCS
INTERNAL MEMBERS		
11	Dr. Amarjeet Singh	Faculty IIIT-D
12	Dr. Astrid Kiehn	Faculty IIIT-D
13	Dr. Debajyoti Bera	Faculty IIIT-D
14	Dr. Gaurav Gupta	Faculty IIIT-D
15	Dr. Pushpendra Singh	Faculty IIIT-D
16	Dr. Saket Srivastava	Faculty IIIT-D
17	Dr. Shishir Nagaraja	Faculty IIIT-D
18	Dr. Somitra Sanadhya	Faculty IIIT-D
19	Dr. Subhasis Banerjee	Faculty IIIT-D
20	Dr. Vinayak Naik	Faculty IIIT-D
21	Mr. Vivek Tiwari	Sitting for Registrar
22	Ms. Ishita Jain	UG Students Representative
23	Ms. Madhvi Gupta	PG Students Representative

8.4   Faculty Members

Full time Faculty

Amarjeet Singh
(Assistant Professor)
Ph.D. (2009), Electrical Engineering, University of California, Los Angeles
Mobile Sensing, Approximation Algorithms, Environmental
Monitoring, Low Cost Technologies
amarjeet@iiitd.ac.in

Anirban Mondal
(Associate Professor)
Ph.D. (2003), Computer Science, National University of Singapore,
Singapore
Database Management, Multi-dimensional Data Indexing, Mobile Data
Management, Spatial DBMS and GIS, P2P Data Management, Data-
centric Business Intelligence
anirban@iiitd.ac.in

Ashish Sureka
(Assistant Professor)
Ph.D. (2005), Computer Science, North Carolina State University, USA
Data Mining, Text Mining, Natural Language Processing
ashish@iiitd.ac.in

Astrid Kiehn
(Associate Professor)
Ph.D. (1989), Computer Science, Technische Universitat Munchen
Logic, Process Algebra, Concurrency Theory
astrid@iiitd.ac.in

Debajyoti Bera
(Assistant Professor)
Ph.D. (2009), Computer Science, Boston University, USA
Quantum Computing, Complexity Theory, Cryptography
dbera@iiitd.ac.in

Donghoon Chang
(Assistant Professor)
Ph.D. (2008), Information Management and Security, Korea University, Korea
Theory and Practice of Cryptography, Cryptanalysis, Cyber Security
donghoon@iiitd.ac.in

Gaurav Gupta
(Assistant Professor)
Ph.D. (2009), Computer Science, Jadavpur University, Kolkata
Digital Forensics, Cyber/Information Security
gaurav1980@gmail.com

Mayank Vatsa
(Assistant Professor)
Ph.D. (2008), Computer Science, West Virginia University, USA
Biometrics, Computer Vision, Image Processing, Information Fusion
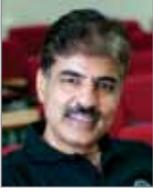mayank@iiitd.ac.in

Mohammad S. Hashmi
(Assistant Professor)
Ph.D. (2009), Electronics Engineering, Cardiff University, UK
RF Measurements, PA Design and Linearization, RF Systems, Software Defined Radio
mshashmi@iiitd.ac.in

Pankaj Jalote
(Professor & Director)
Ph.D. (1985), Computer Science, University of Illinois at Urbana Champaign, USA
Software Engineering, Fault Tolerance, Distributed Systems
jalote@iiitd.ac.in

Ponnurangam Kumaraguru
(Assistant Professor)
Ph.D. (2009), Computer Science, Carnegie Mellon University, USA
Cyber Crime, Cyber/Information Security, Privacy, Human Computer Interaction
pk@iiitd.ac.in

Pushpendra Singh
(Assistant Professor)
Ph.D. (2004), Université de Rennes, France
Middleware, Mobile Computing
psingh@iiitd.ac.in

Raja Sengupta
(Associate Professor) (joining August 2011)
Ph.D. (2000), Geography, Southern Illinois University at Carbondale, USA
Theory and Practice of Geographic Information Science (Spatial Decision Support Systems and Agent-Based Modeling)
rsengupta@iiitd.ac.in

Richa Singh
(Assistant Professor)
Ph.D. (2008), Computer Science, West Virginia University, USA
Biometrics, Machine Learning, Pattern Recognition
rsingh@iiitd.ac.in

Saket Srivastava
(Assistant Professor)
Ph.D. (2008), Electrical Engineering, University of South Florida, USA
Hybrid Nano/CMOS Architecture, Emerging Technologies, Device Modeling and Simulation
saket@iiitd.ac.in

Sanjit Krishnan Kaul
(Assistant Professor)
Ph.D. (2011), Electrical and Computer Engineering, Rutgers University, USA
Wireless Systems, Vehicular Networks, Delay Tolerant Networks, Disaster Management, Intelligent Transportation
skkaul@iiitd.ac.in

Shishir Nagaraja
(Assistant Professor)
Ph.D. (2008), Computer Security, University of Cambridge, UK
Network Security, Traffic Analysis, Anonymity, Complex Networks
nagaraja@iiitd.ac.in

Shreemoy Mishra
(Assistant Professor)
Ph.D. (2008) Economics, Operations Research & Industrial
Engineering, University of Texas at Austin, Economics of Information,
Consumer Privacy, Asymmetric Information in Credit and Insurance
Markets, Credit Scoring
shreemoy@iiitd.ac.in   +91-11-2509 9177

Somitra Kr. Sanadhya
(Assistant Professor)
Ph.D. (2009), Computer Science, Indian Statistical Institute, Kolkata
Cryptology, Machine learning and Bioinformatics
somitra@iiitd.ac.in

Soshant Bali
(Assistant Professor)
(Currently on leave)
Ph.D. (2007), The University of Kansas
3G/4G Wireless Networks, Traffic analysis and Security, Internet
Measurements
bali@iiitd.ac.in

Srikanta Bedathur
(Assistant Professor)
Ph.D. (2006), SERC, Indian Institute of Science, Bangalore
Web and Text Mining, Web Archiving, Large Scale Graph processing,
Databases and Information Management
bedathur@iiitd.ac.in

Sriram K
(Assistant Professor)
Ph.D. (2004), Chemistry, IIT Madras
Systems biology, Cell division cycle, Circadian rhythms, Computational
cognitive neuroscience
sriramk@iiitd.ac.in

Subhasis Banerjee
(Assistant Professor)
Ph.D. (2007), Computer Science, Indian Institute of Science, Bangalore
Computer Architecture, Performance Modeling of Computer Systems,
Low Power Design
subhasis@iiitd.ac.in

Sujay Deb
(Assistant Professor)
Ph.D. (2012), Washington State University
Multi-core processor architectures, Wireless Network-on-Chip,
Emerging interconnection technologies for multi-core chips
sdeb@iiitd.ac.in

Vikram Goyal
(Assistant Professor)
Ph.D. (2009), Computer Science and Engineering, IIT Delhi
Databases, Data Privacy and Security
vikram@iiitd.ac.in

Vinayak Naik
(Assistant Professor)
Ph.D. (2006), Computer Science and Engineering, Ohio State University,
USA
Mobile Computing, Sensor Networks, Wireless Networks, and Systems
naik@iiitd.ac.in

Visiting Faculty

Hemant Kumar
Founder - Softek Ltd., VP at HCL Tech.
B.Tech.(1977), IIT Kanpur
Software Development, Compilers, Databases, Inventory Management
and Banking Software.
hemantk@ieee.org

Ranendra Narayan Biswas
Former Dean, Research and Development, IIT Kanpur and Former
Director, CEERI, Pilani, Electronic Circuits, Microprocessor
Architecture, Computer Networking
rnb@iiitd.ac.in

8.5   Staff Members

Mr. Ashwani Kumar Kansal	-	DGM /Registrar (i/c)
Mr. Kapil Chawla	-	Controller of Finance
Mr. Sanjay Roy	-	General Manager (Projects)
Mr. Vinod Kumar	-	PS to Director & Assistant Manager (Res & Dev)
Mr. Abir Bhattacharya	-	Sr. System Manager
Mr. Amit Shankdhar	-	Assistant Manager (Finance & Account)
Ms. Anuradha Sen	-	Assistant Manager (Internships & Placements)
Mr. Ajay Kumar	-	Assistant Manager (Store & Purchase)
Mr. Anoop Singh	-	Assistant Manager (HR & Support Service)
Ms. Shweta Sachan	-	Assistant Manager (Systems & Networking)
Mr. Vivek Tiwari	-	Assistant Manager (Academics & Student Affairs)
Mr. Rajendra Kumar	-	Assistant Manager (Library & Information Service)

In addition, there are on an average about 56 people working in the Institute through manpower agencies.

9 Infrastructure and Facilities

9.1 Campus Facilities

The IIIT (Indraprastha Institute of Information Technology)-Delhi Act, 2007 endowed the establishment and incorporation of a non affiliating and teaching Institute at Delhi to facilitate and promote studies, research, incubation and extension work in Information Technology and its application domains, and also to achieve excellence in these and connected fields.

With the above objectives in view, the Government of NCT of Delhi allocated 25 acres of land in the GB Pant Polytechnic Campus to enable the setting up of its Campus located behind the Phase III Okhla Industrial Estate at a distance if 1 ½ K.M. (approx.) from Okhla railway station, South Delhi

New Campus under Phase I Construction

The transit campus is under tremendous pressure and is to be shifted to the new Campus by Dec 2011. The new campus for the IIIT-D is coming up as the extension of the GB Pant Polytechnic at Okhla Phase III New Delhi on a plot of 25 acres of the 65acres plot of the Polytechnic earmarked for the purpose.

The sprawling state of the art campus that is spread out over entire land over the sloppy terrain and buildings developed contoured to the topography of the land to be constructed in three phases.

The Phase I consist of the following:

- Academic lecture hall block
- R & D block,
- Resource Centre cum Library building
- Dining Block
- Boys Hostel
- Girls Hostel
- Faulty Residential building
- Service Blocks
- STP

The entire area is divided into mutually interactive yet separate zones namely the residential areas for faculty, academic areas and the student residential areas connected by connecting pathways with vehicular entry

restricted to the peripheries only.

There is a single G +11 storied faculty residential block with 27 apartments and 3 guest rooms in the residential zone.

The academic zone comprise of separate blocks for the resource centre cum library in G + 3 storied block, the G+2 Lecture hall block, and the G + 5 storied Research & Development block which would house the research labs, faculty seating, administrative and academic heads with their supporting staff.

The student residential zone comprises of separate blocks for the boys hostel G+7with 350seats and girls hostel G+4 for 150 seats approx. and a G +3 dining block with cafeteria and mess, student activity areas.

All the above areas excepting for the faculty residences will be served by the district cooling air-conditioning system to be cooled on selective basis during day /night /peak demand settings, housed in the service block. Use of VFD controlled systems, temperature based sensors with BMS controls will run air-conditioning efficiently. Moreover the building envelopes are being made efficient to insulate from heat using dry cladding in external finishes and AAC blocks in place of regular brickwork in masonry.

Use of natural material and minimum use of high energy consuming materials are basic ingredients of the project aim towards green building certification.

The electrical system would be provided with a partial load backup from 2x500kva DG sets.

The entire waste water generated in the campus would be recycled using 2x65 kld STP and water so generated will be used for horticulture, flushing and air-conditioning works.

The entire areas will be protected by fire alarm and fighting equipments as wet risers/sprinklers and smoke management systems.

The telephony and networking will be on a backbone of OFC cabling with redundancy using loop and star configurations.

The entire rock excavated from the areas will be broken down and utilized in external development works. Utilization of energy saving lighting systems, use of non conventional energy through solar hot water systems with PNG backup and will reduce power consumption considerably.

The works of construction are in full swing and all packages for same are likely to be commissioned for Academic zone and part students hostels and dining areas by Nov-December 2011 for partial occupation and faculty residences by Mar2012 with all works completed by June2012.

9.2 Computer Laboratory Facilities

IT ASSETS			
Items	**2010-2011**	**Items**	**2010-2011**
No. of Servers	12 (IIIT-6 & Proj-6)	Total Bandwidth	1GBPS from MKN & 10 Mbps to be purchased as backup leased line
No. of Laptops	61	No. of Projectors	16
No. of Desktops	253	No. of clients in Labs	Academic – 174 Library - 284
No. of Data cards	40	Total Network Traffic	80 Mb max on peak hours
No. of Printers	50	No. of Scanner	08 (approx)

9.3 Library Facilities

Books

S. No	Curriculum Area	No. of books
1	Computer Science	612
2	Electronics and Communication	161
3	Mathematics	157
4	Humanities and Social Sciences	53
5	Philosophy and Psychology	53
6	General books	37
Total number of books		**1073**

Subscribed On-line Databases through INDEST-AICTE Consortium:-

- IEL Online
- Elsevier's Science Direct
- Springer's Lecture Notes in Computer Science

DELNET Membership (Network of Academic, Public and Special Libraries)

Print Journals/Magazines and Newspapers Subscription

Services:

- Books issue/return
- Printing, Scanning and Photocopy
- Reading room
- Inter Library Loan (ILL) and Document Delivery
- New Arrivals
- User Awareness Program
- Institutional Repository/Institute Archive
- Current Awareness
- Selective Dissemination of Information

10 Financials

HIGHLIGHTS

I   Highlights of financial results of Financial Year 2011-12 compared to Financial Year 2010-11 are as below:-

(` in Lakh)

INCOME	2011-12	2010-11
Income from conduct of Programs	384.09	240.91
Interest Income	24.24	37.99
Other Income	29.48	13.49

EXPENDITURE		
Establishment Expenses	396.47	304.91
Administrative Expenses	174.97	100.28
Program Expenses	83.24	47.65
Depreciation	50.87	50.73
Other Expenses	24.28	25.87

II   Following have been the receipts and expenses of Projects handled by the Institute: -

	2011-12	2010-11
Receipts	252.09	167.28
Expenses	150.40	106.27

P. AGGARWAL & ASSOCIATES
Chartered Accountants

AUDITOR'S REPORT

THE BOARD OF GOVERNORS, INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY- STATE UNIVERSITY ESTABLISHED BY AN ACT OF GOVERNMENT OF NCT, DELHI ,OKHLA PHASE-III NEW DELHI-110020

We have audited the attached Balance Sheet of **INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY- DELHI** as at 31st March 2012 and the Income & Expenditure Account annexed thereto for the period ended on that date. These financial statements are the responsibility of the management. Our responsibility is to express an opinion on these financial statements based on our audit.

We have conducted the audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report that:

a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;

b) In our opinion, proper books of account as required by law have been kept by the Institute, so far as appears from our examination of the books;

c) The Balance Sheet , the Income Expenditure Account &Receipts and Payments Account dealt with by this report are in agreement with the books of account;

d) In our opinion and to the best of our information and according to the explanations given to us, the said accounts together with the Statement of Significant Accounting Policies, Notes on accounts give the information in the manner so required and give a true and fair view;

    i) In the case of Balance Sheet, of the state of affairs of the Institute as at 31st March 2012 and

    ii) In the case of Income & Expenditure Account, expenditure over the income, of the institute for the period ended on 31st March 2012

    iii) In case of Receipts & Payments Account, of the receipts & payments for the period ended on 31st March 2012

FOR P. AGGARWAL & ASSOCIATES
CHARTERED ACCOUNTANTS (FRN: 03086N)

PRADEEP AGGARWAL
PARTNER (M. NO.81984)

PLACE: NEW DELHI
DATE: 31.08.2012

908, ARUNACHAL, 19, BARAKHAMBA ROAD, NEW DELHI 110 001
TEL.NO. 23716954,23351183,23351016

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

STATEMENT OF SOURCES & APPLICATIONS OF FUNDS AS ON 31ST MARCH, 2012

(Amount in ₹)

Particulars	Schedule	31.03.2012	31.03.2011
Sources of Funds			
Interest free Loan	1	1,300,000,000	800,000,000
General Fund	1A	6,182,972	(15,226,704)
Projects Fund	2	38,834,226	27,693,164
Total		1,345,017,198	812,466,460
Application of Funds			
Fixed Assets (Gross Block)		481,303,293	164,570,740
Less Depreciation		15,189,797	10,121,368
Fixed Assets (Net Block)	3	466,113,496	154,449,372
Investments	4	743,141,404	604,481,895
Current Assets, Loans & Advances	5	241,788,872	62,462,657
Current Liabilities & Provisions	6	106,026,574	11,354,853
Net Current Assets		135,762,298	51,107,804
Deferred Revenue Expenditure	7	-	2,427,389
Total		1,345,017,198	812,466,460

Significant Accounting Policies &
Notes on Financial Statements   13 & 14

Schedules 1 to14 form an integral part of
of Financial Statements as per our Audit
Report of even date annexed.

For and on behalf of
Indraprastha Institute of Information Technology,
Delhi

For P. Aggarwal & Associates
Chartered Accountants (FRN-03086N)

(Kapil Chawla)
Controller of Finance

(Pankaj Jalote)
Director

(Pradeep Aggarwal)
Partner
M.No.-081984

Date: 31.08.2012

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31ST MARCH, 2012

(Amount in ₹)

Particulars	Schedule	31.03.2012	31.03.2011
Income			
Programs	R	38,409,300	24,091,042
Interest on Deposits / Bank Accounts etc.	8A	2,424,107	3,799,671
Income from Other Sources	8B	2,258,211	1,349,145
Prior Period Income	8C	689,722	-
Total		43,781,340	29,239,858
Expenditure			
Establishment	9	39,646,643	30,491,375
Administrative Expenses	10	15,046,943	9,617,148
Repairs & Maintenance	11	2,450,303	411,185
Programme Expenses	12	8,324,153	4,765,137
Deferred Revenue Expenditure	7	2,427,389	2,427,390
Depreciation	3	5,087,131	5,073,432
Prior Period Expenses	12A	-	158,023
Total		72,982,562	52,943,689
Excess of Income over Expenditure transferred to General Fund		(29,201,222)	(23,703,831)

Schedules 1 to14 form an integral part of
of Financial Statements as per our Audit
Report of even date annexed.

For and on behalf of
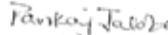Indraprastha Institute of Information Technology,
Delhi

For P. Aggarwal & Associates
Chartered Accountants (FRN- 030861N)

(Kapil Chawla)
Controller of Finance

(Pankaj Jalote)
Director

(Pradeep Aggarwal)
Partner
M.No.-081984

Date: 31.08.2012

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

RECEIPTS AND PAYMENTS STATEMENT FOR THE YEAR ENDED ON 31ST MARCH, 2012

(Amount in ₹)

Receipts	31.3.2012	31.03.2011	Payments	31.03.2012	31.03.2011
Opening Balances			I. Expenses		
(a) Cash in hand	58,790	1,041	(a) Establishment Expenses	26,520,954	27,777,035
(b) Bank Balance	7,568,729	14,500,570	(b) Administrative Expenses	13,248,604	6,406,495
(c) Investments in Banks	604,481,895	281,059,309	(c) Programme expenditure	7,181,314	4,173,728
Loan Received			II. Expenditure on Fixed Assets & Capital Work in Progress		
(a) From Delhi Govt.	500,000,000	500,000,000	(a) Purchase of Fixed Assets	4,049,027	7,678,621
Interest Received			(b) Work in Progress	233,518,323	103,637,679
(a) on Banks Fixed Deposits	36,641,939	4,572,970	III. Project Expenditure	11,909,343	9,586,422
(b) on Savings Banks Account	1,724,855	388,723	IV. Other Payments	134,970,219	89,721,010
Income			V. Closing Balances		
(a) Income from Programme	38,484,300	24,091,042	(a) Cash in hand	17,299	58,790
(b) other income	290,936	353,834	(b) Bank Balance	65,349,293	7,568,729
Project Receipts	23,147,263	13,489,302	(c) Investments in Banks	743,141,404	604,481,895
Other Receipts	27,507,073	22,633,612			
Total	1,239,905,780	861,090,403	Total	1,239,905,780	861,090,403

For and on behalf of
Indraprastha Institute of Information Technology,
Delhi

(Pankaj Jalote)
Director

(Kapil Chawla)
Controller of Finance

Date: 31.08.2012

For P. Aggarwal & Associates
Chartered Accountants (FRN -03o8(N)

(Pradeep Aggarwal)
Partner
M.No.-081984

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

Schedules forming part of Balance Sheet
for the period ended 31st March, 2012

Schedule 1 : Interest Free Loan from Delhi Govt.

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Opening Balance	800,000,000	300,000,000
Add: Releases during the year	500,000,000	500,000,000
Balance at the end of the year	1,300,000,000	800,000,000

Schedule 1A : General Fund

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Opening Balance	(15,226,704)	(6,974,904)
Add : Interest Earned on Tied Up Funds	50,610,898	18,452,031
Less : Excees of Expenditure over Income B/f	(29,201,222)	(23,703,831)
Less : Appropriation for Matching of Corpus Funds	-	(3,000,000)
	6,182,972	(15,226,704)

Schedules forming part of Balance Sheet
for the period ended 31st March, 2012

Schedule 2 : Project Funds

(Amount in ₹)

Name of The Project	Balance as on 01.04.2011	Income	Expenses	Balance as on 31.03.2012
Project & Workshop Funds:				
Consultancy Projects				
CP-001/NASSCOM/JALOTE/001	40,788	-	-	40,788
CP-002/SYSTEM CONSULTANT/JALOTE/002	2,289	-	-	2,289
CP-003/KSL-2010AMARJEET/010	306,567	-	11,135	295,432
CP-005/Nokia-2010/Naik/014	1,522,469	1,932,099	201,171	3,253,397
CP-006/Nokia-2010/Naik/015	1,002,230	651,670	124,341	1,529,559
CP-08/Acenture/-2012/ Ashsish	-	120,000	-	120,000
	2,874,343	2,703,769	336,647	5,241,465
Sponsored Research Projects				
SRP/02/microsoft/cse/2004-0029-52/jalote 003	1,440,157	-	587,126	853,031
SRP-03/MICROSOFT/2000/JALOTE/0004	420,000	-	-	420,000
SRP/05/DIT/2009/RICHA/0007	(195,514)	2,260,110	2,183,876	(110,280)
SRP-06/NSG/SOA BASED ARCH IOR SMART /008	170,690	-	20,900	149,790
SRP-07/DIT-2010/PK/0012	800,217	2,490,805	1,608,504	1,682,518
SRP-01/Microsoft Travel Grant/2010/jalote/013	131,640	316,000	304,100	143,548
SRP-09/PK-2010/PK/0016	600,055	802,569	819,911	582,713
SRP-010/MST-2010/jalote/0017	693,135	-	106,725	586,410
SRP-011/DST-2010/Mayank/0018	308,488	165,938	459,835	14,591
SRP-012/IBM/jalote/0019	396,300	134,000	236,968	293,332
SRP-013/DRDO/Nagaraja/2011/0023	349,813	496,000	847,813	-
SRP-014/DRDO/Dr Somitra /2011	-	494,727	391,146	103,581
SRP -15 DST/PK/	-	342,000	99,823	242,177
SRP-016/National Geographic/Naik	-	986,960	-	986,960
SRP-017/Royal Institute/ Dr Rajasen	-	292,406	90,000	202,406
SRP- 018/ DIT / Amarjeet /2012	-	500,000	107,503	392,497
SRP-19/SERB / Fast Track /DST/ Pushpendra	-	336,000	55,870	280,130
SRP-20/NRD / DRDO /Somitra	-	960,000	160,000	800,000
SRP-011/DST-2012/ Dr Richa	-	200,000	65,706	134,294
	5,114,989	10,788,515	8,145,806	7,757,698
Workshop Project Funds				
WSP-01/Value Received/cloud Computing /jalote/0009	52,000	-	-	52,000
WSP-02/INDO US Workshop/Prof. Jalote/0025	168,995	-	168,995	-
WS-03/USSTF Workshop jalote/0026	67,195	79,537	156,500	(9,768)
WS-06/MDM Conference /IBM India /jalote	-	519,100	508,718	10,382
WS-05/Winter schoo / PK 2011	-	654,000	407,611	246,389
WP-05/Microsoft/Mysore Park Series/Jalote/0027	491,094	1,945,000	999,151	1,436,943
ICB Conference	-	709,003	716,780	(7,777)
WS-07/ DRDO work shop / Dr Somitra/2012	-	902,750	902,750	-
Conference ATS 2011	-	5,324,976	5,324,976	-
	779,284	10,134,366	9,185,481	1,728,169
Earmarked Funds:				
Faculty Research Fellowship Cont. Received:				
A R Krishnaswami Faculty Research Fellowship	2,000,000	-	-	2,000,000
T. V Raman Pai Faculty Research Fellowship	2,000,000	-	-	2,000,000
Institute Matching from General Fund	4,000,000	-	-	4,000,000
Interest of Fixed Deposit	359,586	529,852	-	889,438
	8,359,586	529,852	-	8,889,438
Research Travel Funds Cont. Received:				
S.D Shibulal Research Travel Fund	2,000,000	-	-	2,000,000
Prof. Pankaj Jalote Research Travel Fund	1,893,889	-	-	1,893,889
Institute Matching from General Fund	3,893,889	-	-	3,893,889
Interest of Fixed Deposit	481,550	443,128	-	924,678
	8,269,328	443,128	-	8,712,456
Other Funds:				
Faculty Research Grants:				
CP-07/IBM Faculty Award/Nagaraja/020	451,883	-	414,898	36,985
I AP/SEII /Prof jalote/2010-11/0028	1,159,370	-	-	1,159,370
IBM/Dr Amarjeet	-	413,065	118,904	294,161
MSR Research Award	-	1,010,551	240,943	769,608
SWAP Training collaboration	-	80,000	75,000	5,000
	1,611,253	1,503,616	849,745	2,265,124
Fellowship Amounts				
FP/001/2010/Support For Marathan/0021	86,777	135,000	7,500	214,277
FP/002/Support For PhD. Fellowship	597,604	2,102,978	183,301	2,517,281
FP/002/Support For PhD. Fellowship / DCM / PK	-	416,000	88,000	328,000
FP/003/Support For PhD. Fellowship /TCS	-	2,749,006	1,568,688	1,180,318
	684,381	5,402,984	1,847,489	4,239,876
Grand Total	77,693,164	31,506,230	20,365,168	38,834,226

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

Schedules forming part of Balance Sheet
for the period ended 31st March, 2012

EDULE 3 : Fixed Assets

(Amount in ₹)

Particulars	Rate of Depreciation	GROSS BLOCK				DEPRECIATION				NET BLOCK	
		Opening Balance as on 01.04.11	Additions	Prior period Adjustments	Total as on 31.03.2012	Upto 31.03.2011	During the year	Prior Period Depreciation	Upto 31.03.2012	As on 31.03.2012	As on 31.03.2011
...ing	-	-			-		-			-	-
...puters	60%	10,728,345	2,559,243		13,287,588	7,140,752	3,394,433		10,535,185	2,752,403	3,587,593
...pments	15%	5,637,126	552,944	(485,134)	5,704,936	1,308,550	629,999		1,938,549	3,766,387	4,328,576
...ture & Fixtures	10%	6,625,157	199,644	315,000	7,139,801	1,020,588	607,726	(18,702)	1,609,612	5,530,189	5,604,569
Equipments	15%	782,289	1,111,934		1,894,223	199,805	186,298		386,103	1,508,120	582,484
...e Automation	15%	864,031	113,051	170,134	1,147,216	279,233	129,614		408,847	738,369	584,798
...ary books	15%	1,000,163	159,057		1,159,220	172,440	139,061		311,501	847,719	827,723
al		25,637,111	4,695,873	-	30,332,984	10,121,368	5,087,131	(18,702)	15,189,797	15,143,187	15,515,743
...tal work in Progress	-	138,933,629	312,036,680		450,970,309		-			450,970,309	138,933,629
...d Total	-	164,570,740	316,732,553	-	481,303,293	10,121,368	5,087,131	(18,702)	15,189,797	466,113,496	154,449,372
...ous Year	-	25,628,674	138,942,066	-	164,570,740	5,047,936	5,073,432		10,121,368	154,449,372	20,580,738

e Prior period adjustments are on account of re-classification of assets.

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

Schedules forming part of Balance Sheet
for the period ended 31st March, 2012

Schedule 4 : Investments

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
FDRs with Andhra Bank	333,141,404	454,481,895.00
FDRs with Bank of India	350,000,000	150,000,000
FDRs with IDBI Bank	60,000,000	-
	743,141,404	604,481,895

Schedule 5 : Current Assets, Loans and Advances

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Cash and Bank Balances:		
1. Cash in hand	17,299	58,790
2. Balance With Bank	65,246,878	7,568,729
3. Cheques In Hand	102,414	-
Interest Accrued on Fixed Deposits	24,290,167	9,003,693
Stock of Consumable Items	219,823	-
Prepaid expenses	1,775,240	510,107
Advances to Parties	147,998,314	45,064,020
Advances To Staff	396,975	51,086
TDS Receivable	407,018	206,232
Other Recoverables	1,334,744	-
	241,788,872	62,462,657

Schedule 6 : Current Liabilities & Provisions

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Duties & Taxes	7,069,505	1,487,836
Tender EMDs	2,056,000	666,000
Outstanding Liabilities	3,258,266	1,491,657
Security Deposits	5,020,577	5,446,953
Security Deposits (Hostel)	970,000	755,000
Withheld Amounts	1,110,152	810,152
Caution Deposits	1,850,000	-
Sundry Creditors	82,172,064	599,593
AICTE Scholarship	904,000	-
NPS Contribution Payable	3,215	91,662
Scholarship Payable	-	6,000
Other Liabilitites (Hostel & Mess Fee)	244,234	-
Provision for NPS Liability	1,368,561	-
	106,026,574	11,354,853

Schedule 7 : Deferred Revenue Expenditure

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Civil Work at Transit Campus:		
Opening Balance	992,096	658,578
Addition During the period	-	1,325,613
Electrical Work at Transit Campus:		
Opening Balance	1,375,066	1,089,971
Addition During the period	-	1,660,165
Lan Networking at Transit Campus :		
Opening Balance	60,227	119,136
Addition During the period	-	1,317
Total	2,427,389	4,854,779
Less : 1/2rd Written-off (charged to Income & Expenditure Account)	2,427,389	2,427,390

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

Schedules forming part of Income and Expenditure Account
during the period ended 31st March, 2012

Schedule 8 : Income from Programs

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Fees from Programs	37,135,000	22,680,000
Hostel Fees (Net)-see note 8, Sch.-14	-	299,692
Sale of Application Forms	1,274,300	1,111,350
	38,409,300	24,091,042

Schedule 8A : Interest on Deposits/Bank Accounts etc.

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Interest on Savings Bank Accounts	1,669,196	388,723
Interest on Mobilization Advances	754,911	3,410,948
	2,424,107	3,799,671

Schedule 8B : Income From Other Sources

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Administration Charges	238,000	375,000
Other Receipts	48,791	40,135
Donatons	150,000	-
Sale of Tender Forms	18,000	55,000
Overhead Income From Projects	1,803,420	879,010
	2,258,211	1,349,145

Schedule 8C : Prior Period Income

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Interest Accured on Fixed Deposits	671,020	-
Excess Depreciation written back (refer Sch.-3)	18,702	
	689,722	-

Schedule 9 : Establishment Expenses

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Salaries & Allowances	35,627,118	29,113,831
Other Remunerations	90,000	165,907
Professional Services	673,380	332,585
Medical Expenses	888,247	879,052
Re-location Expenses	900,403	-
Staff Development Expenses	98,934	-
Provision for NPS	1,368,561	
	39,646,643	30,491,375

Schedule 10 : Administrative Expenses

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Advertisement & Media Relations	412,261	234,517
Communication Expenses (Incl. Postage & Telephone)	1,184,836	822,814
Meetings Expenses	649,107	124,893
Travelling & Conveyance	2,566,335	621,739
Official Functions	-	365,250
Printing & Stationery	268,720	497,514
House Keeping & Maintenance	2,609,705	1,116,696
Audit (Statutory) Fees	70,787	81,070
Security	2,697,686	1,858,770
Hospitality and Guest House	127,869	61,220
Rent, Rates & Taxes (Institute's Building Rent)	35,940	58,299
Electricity	2,483,911	1,887,610
Faculty/Staff Recruitment	898,939	1,546,238
News Paper and Periodicals	136,315	60,638
Bank Charges	13,152	8,061
Miscellaneous Exp.	63,511	10,631
Lease Line Connctivity Expenses	827,869	261,188
	15,046,943	9,617,148

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

Schedules forming part of Income and Expenditure Account during the period ended 31st March, 2012

Schedule 11 : Repairs and Maintenance

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Hardware & Software	1,674,887	85,408
Networking & Web Designing	35,633	43,264
General Repairs & Maintenance	739,783	282,513
	2,450,303	411,185

Schedule 12 : Programs Expenditure

(Amount in ₹)

Particulars	31.03.2012	31.03.2011
Honorarium to Visiting Faculty	3,313,527	939,072
Students' Activities / Welfare	1,424,886	317,168
Entrance Test	788,719	804,190
Faculty Development	209,561	446,994
Stipend & Teaching Assistance	1,403,868	1,238,328
Online Library System Membership	1,098,353	941,536
Placement Expenses	23,054	-
Lab. Equipment Consumables	62,185	77,849
	8,324,153	4,765,137

Schedule 12A : Prior Period Expenses

(Amount in ₹)

| Particulars	31.03.2012	31.03.2011
Children Education Allowance	-	12,000
Electricity & Water Expenses	-	146,023
	-	158,023

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-11020

Balance Sheet as on 31st March, 2012
(Project Accounts)

Liabilities	Amount (₹)		Assets	Amount (₹)	
Project & Workshop Funds:			Earmarked Funds:		
Consultancy Projects	5,241,465		FDs With Andhra Bank	6,164,496	
Sponsored Research Projects	7,757,698		FD Receivable	10,996,613	
Workshop Project Funds	1,728,169	14,727,332	Interest Accrued on FDs	416,550	
Earmarked Funds:			Balance in SB Account No. 7082	24,235	17,601,894
Faculty Research Fellowship	8,889,438		Current Assets, Loans & Advances:		
Research Travel Funds	8,712,456	17,601,894	1. Cash & Bank Balance:		
Other Funds:			Cash in Hand		15,645
Faculty Award Projects	2,265,124		Balance in SB Account No. 1778		12,183,780
Fellowship Projects	4,239,876	6,505,000	2. Loans and Advances		282,500
Current Liabilities:			3. Receivables under Projects		1,267,644
Sundry Creditors		478,249	IIIT, Delhi		8,043,857
Expenses Payable		56,781			
TDS Payable		21,564			
Stale Cheque		4,500			
		39,395,320			39,395,320

For and on Behalf of
Indraprastha Institute of Information Technology
Delhi
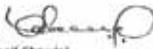
(Kapil Chawla)
Controller of Finance
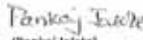
(Pankaj Jalote)
Director

For P. Aggarwal & Associates
Chartered Accountants (FRN- 03006N)
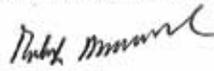
(Pradeep Aggarwal)
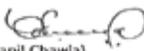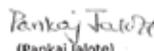Partner
M.No.-081984

Date: 31.08.2012

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

Income & Expenditure Account for the period ending 31st March, 2012
(Project Accounts)

Particulars	Amount (₹)	Particulars	Amount (₹)
Bank Charges	1,217	Institute's Share of Overheads:	
		SRP-20/ NRB/DRDO	160,000
Excess of Income Over Expenditure	1,993,080	SRP-13 DRDO Project	99,600
(adjusted to IIIT, Delhi A/c in Balance sheet)		SRP-009 Privacy International	143,006
		SRP-19/SERB/DST	55,870
		WS-07 DRDO	117,750
		SRP-14 DRDO	80,000
		ATS-2011	263,908
		SRP-05 DIT	447,500
		SRP-07/DIT	435,786
		Other Misc. Receipts	24,718
		Interest on Savings Bank Account	166,159
	1,994,297		1,994,297

For and on Behalf of
Indraprastha Institute of Information Technology
Delhi

(Kapil Chawla)
Controller of Finance

(Pankaj Jalote)
Director

For P. Aggarwal & Associates,
Chartered Accountants (FRN-03006N)

(Pradeep Aggarwal)
Partner
M.No.-081984

Date:31.08.2012

Indraprastha Institute of Information Technology, Delhi
Okhla Phase-III
New Delhi-110020

Schedule 13: SIGNIFICANT ACCOUTING POLICIES

1. Accounting Convention

Financial Statements are prepared under the historical cost convention with applicable accounting and accounts are maintained on mercantile basis, unless stated otherwise.

2. Format of Accounts

For drawing the Balance Sheet (Statement of Sources and Application of Funds), Income & Expenditure Account, Receipts & Payments Statement and connected schedules, the Institute is broadly following the "Uniform Format of Accounting" prescribed for the autonomous bodies by the Ministry of Finance, Govt. of India.

3. Fixed Assets

Fixed assets are stated at historical cost.

4. Loan

During the initial phase Institute is primarily funded by the Government of National Capital Territory of Delhi through an interest free loan.

5. Deposits

Deposits are valued at initial value.

6. Revenue Recognition

Revenue is accounted on accrual basis. Course fee, Application Form Sales Fee, Interest on Savings Bank & Term Deposits and other revenues are recognized in the year to which they relate.

7. Expenditure

Expenditure is recognized on accrual basis. Expenditure on software is expensed-off during the year of its purchase.

8. Depreciation

The fixed assets are depreciated at Written Down Value (WDV) at the rates specified in the Income Tax Act, 1961. Assets acquired up to value of ₹5,000/- are expensed off during the year.

9. Project Funds

Project funds received by the Institute are reflected separately in Balance Sheet and expenditure on such projects is adjusted against these funds. Project overheads recovery is, however, reflected separately.

10. Professional Development Account (PDA)

Separate budget has been maintained for PDA of each faculty. The fund is created by credit of initial contribution of ₹1.50 Lakh and yearly contribution of ₹0.50 Lakh. 50% of the overheads of the project are credited to the fund of the Principal Investigator / Co- Principal Investigator.

11. Interest Earned on Tied Up Funds

Interest earned on funds received from Delhi Government for setting up the Institute, being on capital account, is considered as part of General Funds.

***

Indraprastha Institute of Information Technology-Delhi
Okhla Phase-III
New Delhi-110020

Schedule 14: NOTES TO ACCOUNTS

1. Capital Commitments

Estimated value of contracts remaining to be executed on capital account and not provided for (net of advance) is ₹33.66 Crore (up to previous year ₹41.25 Crore).

2. Current Assets, Loans and Advances

In the opinion of the Institute, the current assets, loans and advances of the Institute have a realizable value to the extent shown in the accounts and the provision for all known liabilities including depreciation are adequate.

3. Taxation

The Institute is exempt from taxation.

4. Projects

All "Ongoing Sponsored Projects", Faculty Award Projects and Consultancy Projects are treated as liabilities.

5. Since 2008-09 the Institute has been contributing and remitting the amount of pension under National Pension Scheme (NPS) on the amount of basic pay only against requirement of contribution on basic pay and DA. The liability of the Institute amounting to ₹13,68,561/- towards the same has been provided in the books of account for the current year under Schedule-6 ("Provision for NPS Liability").

6. Based on claim of the Security Agency- M/s Sarvesh Security Services Pvt. Ltd. an amount of ₹12,79,790/- has been provided towards charges for provision of services of security guards during the period February, 2011 to March, 2012. The payment of the agency is pending on account of non-availability of complete record of attendance, deposit of PF, ESI etc. The liability has been reflected under the head Schedule-6 ("Sundry Creditors").

7. The Deferred Revenue Expenditure is written off in two years. Expenditure of ₹24,27,389/-, being balance 1/2 (50%) of previous year has been written off during the year. For the current year, no provision for deferred revenue expenditure has been made and such expenditure has been charged to expenditure of the year.

8. Amount recovered towards Hostel & Mess Charges for payment to service providers has been re-grouped from "Income from Programs" (Schedule "8") to "Current Liabilities" (Schedule-6).

9. A land measuring 25 acres for developing permanent campus of the Institute at Okhla Phase-III New Delhi has been allotted by the Govt. of NCT of Delhi. Land documents and the land deed are in the process of being established.

10. Amount of ₹45.10 Crore as on 31.03.2012 reflected as Capital Work In Progress in Schedule-3 (Fixed Assets) is based upon the running bills related to construction of the campus as certified by Project Management Consultant- M/s SHiFt.

11. The figures of debtors and creditors in the accounts are subject to confirmation.

12. Income & Expenses in the annual accounts are for "on-going" operations of the Institute. All recognized gains and losses have been accounted for.

13. Previous year's figures have been re-grouped or re-arranged wherever necessary.

14. The Figures in the Receipts & Payments Account, Income & Expenditure Account and Balance Sheet are rounded off to the nearest rupee.

15. Schedules 1 to 14 Forms an integral part of accounts and have been duly authenticated.

For on behalf of
Indraprastha Institute of
Information Technology, Delhi
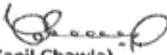
For P. Aggarwal & Associates
Chartered Accountants (FRM-030886N)

(Kapil Chawla)
Controller of Finance

(Pankaj Jalote)
Director

(Pradeep Aggarwal)
Partner
M.No.-081984

Date: 31.08.2012

INDRAPRASTHA INSTITUTE *of*
INFORMATION TECHNOLOGY
DELHI

A State University established by
Government of NCT of Delhi

Okhla Industrial Estate, Phase-III
New Delhi-110020, India

T : +91 11 2690 7400-7404   F : +91 11 2690 7405

www.iiitd.ac.in