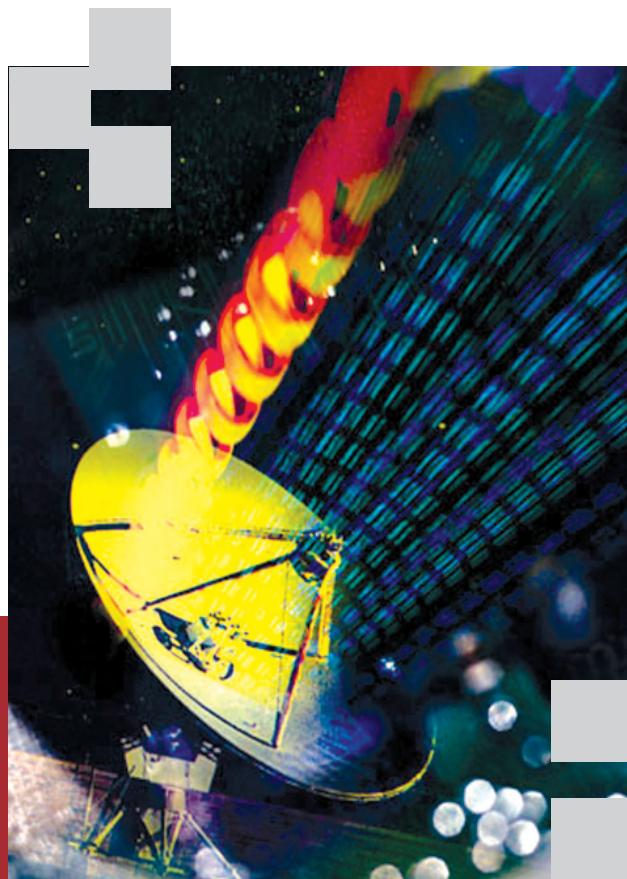




**Foundation for
Innovation and
Technology Transfer**



**Annual Report
2010-2011**



Indian Institute of Technology (IIT), Delhi Campus

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It has been nearly 18 years in the making, and evolving, and the FITT model still evokes enigma and debate. May be because, we do not have many such models in the Indian academia ! The constantly evolving relationship between industry and academia largely determines our approach in shaping partnerships for knowledge transfer and economic good. For IIT Delhi, FITT represents the best foot forward to pursue innovative ways to engage with business and the community. And, in this, the Institute academics lend their full support. The team at FITT contributes more than just the operational effort by blazing its intellectual and strategic caliber too.

The fascinating role of FITT can be seen in enabling innovation, business partnerships, development projects, industrial consultancy, professional development programs, mutual visits, event management, corporate membership etc. This is necessitated by the key agenda of the Foundation to transfer technology and also inspire industrial relevance in academia. Importantly, FITT offers flexible and convenient interactive formats to the end users in various engagement modes. The newsletters of FITT showcase the best IITD has to offer in terms of its expertise, technologies and infrastructure as well as other opportunities for realization of research.

While the impressive economic growth story of India amidst talks of financial risks in some important European countries appears comforting, the rising concern amongst the people here about issues of public probity, corruption etc are indeed disconcerting. Thankfully, the strong institutional systems in the country help mitigate legitimate fears / risks. Technological solutions which are being applied in various spheres of governance are raising strong hopes of better management, transparency and ultimately, inclusive all-around growth. The strong Government-Academia-Industry engagement can help proffer radical and novel methods to tackle various challenges. For example, various process innovations can lead to impactful solutions in areas of infrastructure, pollution, water, climate, financial delivery etc

Working at the interface of business and research, FITT has been at the forefront of enabling innovations and technology commercialization at IITD by giving boost to partnerships and other value-accretive initiatives. We provide superior program management services. The Institute is cognizant of the significance of protecting intellectual property and accordingly, we have filed over 230 patents till date and about 40 more are in the process of being filed. The professional candidate registration program for focused knowledge augmentation continues to attract interest from amongst the neighboring industries and research organizations for their qualified professionals.

To encourage entrepreneurship based on technological innovation FITT operates a Technology Business Incubation Unit (TBIU) at the Institute. This flagship program of the Institute is amongst the leading technology commercialization platforms. As on March 2010, there were 12 technology start-up companies resident at the TBIU out of the 32 units admitted, since the launch of this program. Leadinvent and SunUrja are the start-ups that have made successful exits this year for their scale-up and commercial operations. The Government support programs through DIT, DSIR, TDB and MSME are being facilitated by FITT for enabling regional economic growth through techno-entrepreneurship and we see a lot of interest amongst the targeted groups.

Director's Report

FITT, which primarily utilizes the resources and infrastructure of IIT Delhi, is gradually seeing increasing interest amongst the faculty members of the Institute to work with industry. Such an engagement helps in addressing practical challenges. With regard to our 'top line' it has been a story of steady growth which is encouraging yet, challenging us to attain higher levels of efficiency and effectiveness in our stated mission. We keep on strategizing for increased value creation and thus maintain our special position at IIT Delhi.



Key Activities, Projects and Initiatives

A. Outreach and collaboration

FITT initiates and builds value creating relationship with business and community. The engagement with industry and other organizations is sustained by continual efforts towards various developmental collaborations and other partnership opportunities.

1. FITT facilitates active industry-academia dialogue and mutual visits. For instance, industry representatives are regularly invited to make presentations to faculty groups in the Institute, highlighting their priority R&D areas and opportunities for collaborative work with IIT Delhi. There has been higher level of R&D collaboration and exploratory study at the Institute some of which has been carried out under the aegis of FITT. During the year 2010-11, there have been a number of visits to FITT by senior people from organizations like Microsoft, LG, Siemens, BHEL, Pitney & Bowes, Milagrow, Pepsico, Shell, etc. FITT also arranged the visits of faculty scientists to industries like Indus Tower, Pitney & Bowes, Cadbury, ECE, etc
2. FITT also engages with various inter-governmental and academic institutions for exploring partnerships with IIT Delhi
3. The biennial FITT newsletters – FITT FORUM and FITT Technopreneurship BULLETIN serve as information diffusion channels addressing inter alia, contemporary technical issues, new developments and available

opportunities for collaboration, and support for entrepreneurship. The information reaches a wide spectrum of several hundred industrial units, R&D organizations, Government Agencies, Academic Institutions and others.

Organized by FITT

- As part of its regular industry-academia program, FITT organized the “Automobile Industry-IIT Delhi Meet” on April 24, 2010 during I2TECH – Open House 2010 celebrations at IIT Delhi. The industry panelists/ participants included Mr. V S Goindi (Chairman, Goindi Gp.), Mr. Ravi Kapoor (MD, Faros Simulations), Mr. V K Seth (CoEIAI), Mr. S Ghoshal (RICO Auto) and senior people from companies like Hero Honda, Minda etc. The Meet was Chaired by Prof. K Gupta, Dean (PGS&R) who along



with the faculty colleagues actively participated in the discussions and made reference to those areas of IIT Delhi that were of interest to the automobile industry in general.

- A thematic industrial clinic "Addressing competitiveness issues through technology intervention" was held on January 6, 2011 at the Institute to understand the technology gaps in industry units and to propose suitable interventions to improve competitiveness particularly in the light engineering industrial cluster. Senior representatives from nearby industrial units attended the meet. A few visits by the faculty experts to some units ensued thereafter.
- A lecture on "IP and Development – Technology Transfer and Patenting" was delivered on Feb. 23, 2011 at IRD Conference Room, IIT Delhi by Mr. Horacio E. Gutierrez,

also invited to give a lecture on "IP Issues in a Research Contract".

- Speaker for the session on "Transfer of Technology – Briefing on Techno-Commercial Aspects" during the TechniKriti – Technology Showcase Event held on May 9, 2010 at CDAC, Mohali.
- Talk on "IPR Policy Framework for Educational Institutes" on May 14, 2010 at TERI Retreat, Gurgaon.
- "IIT London Chapter (IITLC) Conference: India-UK Innovation Forum" held during Sept. 6 -11, 2010 at London.
- Chaired the RIICO Advisory Committee on Incubation Programme at Jaipur on Dec. 6, 2010.



Corporate VP and Dy. General Counsel-in-Charge, Microsoft Corporation, USA.

- An Industry – Academia meet on "Industrial Instrumentation, Power Systems and Control Engineering" was held on March 10, 2011. The meet which was attended by senior IIT Delhi faculty, research scholars and FITT's Corporate Members saw exchange of views and useful technical discussion veering around R&D collaboration.

Conferences / Visits

Dr. A Wali, MD, FITT was invited as a keynote speaker / panelist at several events. A few of them are listed below:

- Round Table Discussion : "Government S&T Organization Emerging IP Challenges at DRDO" on April 8, 2010 and

6. National Workshop on "Linkages and Partnerships amongst Enterprises, R&D Institutions and Academia / Universities to Foster innovation and Transfer of Technology" during Dec. 21 - 24, 2010 at Hanoi, Vietnam.

- Talk on "Industry Academia Engagement for Capitalizing Knowledge" during a PHDCCI seminar on "Excellence in Higher Education Quality Initiatives" held on Dec. 9, 2010 at Guru Nanak Dev University, Amritsar.
- Chaired the seminar on "Scope of Innovation in start-ups" at the FORE School of Management, N Delhi on Feb. 2, 2011.

Miscellaneous

Dr. Anil Wali acted as a member of the Jury at:

- The National contest "Innovations for Everyone" organized in November 2010 by the National Geographic Channel in association with Volkswagen and FITT

- High Level National Jury to select top 10 innovators from amongst the ones who showcased at the i3 National Fair held on Nov. 22, 2010.
- Grant Finale of "International Entrepreneurship Challenge" at FMS, Delhi University on Feb. 5, 2010, covered by Bloomberg UTV

B. Technology and Consultancy

Scientific and technological advancement is an important catalytic factor in industrial development and economic progress. An indicator of such program is the IPRs. The Institute encourages protection of intellectual assets to foster innovation and create opportunities for wealth creation. FITT facilitates and manages the Institute's IPR activities. It receives information, carries out analysis and due diligence and processes IP cases for registration and maintenance. Bulk of actual filings, though are outsourced to attorneys and PFC at TIFAC. However, of late, securing IP or IP investments has been taken up in association with specialist firms like Intellectual Ventures and Imperial Innovations India. The list of IPR applications approved for filing during 2010-11 is given in Appendix I. 40 IPR applications have been initially considered for registration.

FITT is mandated to transfer technologies developed at IITD for commercialization. During the current financial year FITT has transferred three technologies (Appendix II) and is working on a few more.

It is an accepted fact that technology development and its subsequent transfer to industry from an academic institute are often best accomplished through pursuance of short to medium term problem solving investigative projects. Such projects help in establishing mutual confidence and working relationships. A lot of thrust has been put on such projects by IITD faculty and FITT has facilitated in executing them effectively. This activity has been growing over the years. During the financial year 2010-11, 71 technology development / transfer projects worth Rs. 872.47 Lakhs have been contracted.

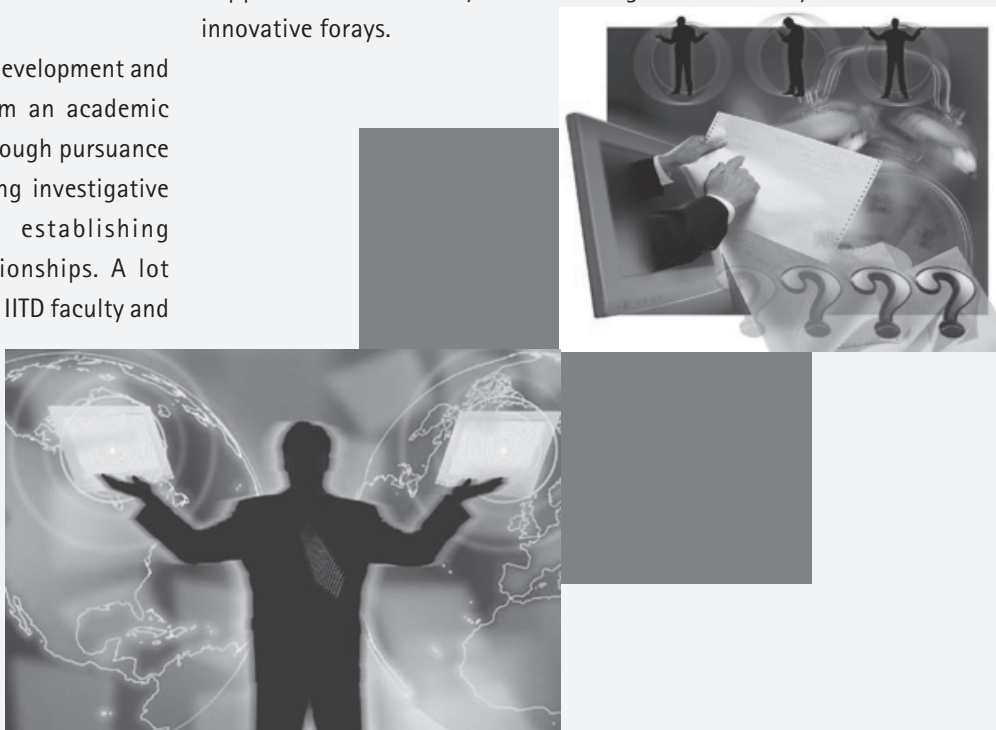
C. Innovation and Enterprise

- FITT is responsible for operating the Technology Business Incubation Unit (TBIU) at the Institute Campus.

The objective of the TBIU is to primarily promote partnerships with new technology entrepreneurs and start-up companies. As part of the TBIU program, subsidized modular space is provided to new entrepreneurs, first generation start-up companies or technology based organizations for setting up an office or workstation or a prototype laboratory within the Campus, with the intention of: i) promoting interaction with, and technology/expertise resourcing from the members of academic staff and research scholars of the Institute, and ii) incubating novel technology and business ideas into viable commercial products or services.

Permitted activities in the TBIU include product development, product innovations, software testing, simulation and prototyping, pilot experimentation, training and similar other technology related work, in which there exists homology with the Institute.

The new, modern and expanded set-up of the Technology Business Incubation Unit (TBIU) at IIT Delhi is now operational. More than the physicality, FITT takes pride in offering to the budding techno-entrepreneurs an ambient ecosystem that nurtures new age businesses. Hand-holding, networking, managerial and material support etc are easily forthcoming for the truly innovative forays.



While, the responsibility of administration and day-to-day management of TBIU is vested with FITT, an institute level empowered committee (known as TBIU Board) overseas the programme. The Board as on March 31, 2010, comprised of :

1. Prof. Surendra Prasad, Director, IIT Delhi

Chairman (Ex-officio)

2. Prof. M Balakrishnan, DD(F), IIT Delhi

Member (Ex-officio)

3. Prof. S M Ishtiaque, DD(A), IIT Delhi.

Member (Ex-officio)

4. Prof. S N Singh, Dean (IRD), IIT Delhi.

Member (Ex-officio)

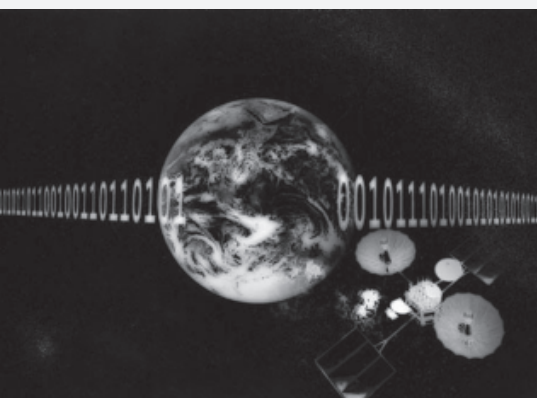
Another high level committee, the Standing Screening Committee screens and evaluates the incubation proposals from innovators / start-ups for admission to the TBIU. This committee comprises both senior faculty scientists and industry experts to ensure due diligence of the technology business incubation proposals.

b. The following start-ups (Promoters / Faculty) have been resident at (TBIU) during FY 2010-11:

1. **Advantage Organic Naturals Technologies Pvt Ltd** (Mr. Rajiv Rai Sachdev, MD; Prof. M L Gulrajani, et al., IIT Delhi), since March 2009

The start-up is pursuing development of various garments embedded with natural dyes with medicinal properties using technologies developed by six faculty

members in the Textile Technology Department (involved in the start-up). The start-up is hopeful of earning carbon credits for use of natural dyes, low temperature and low wastes in the process employed. It has filed patents for its technology.



5. Prof. D T Shahani, Chairman (E&W), IIT Delhi.

Member (Ex-officio)

6. Mr. Ajai Chowdhry, Chairman, HCL Infosystems

Member

7. Mr G Patwardhan, Chairman, Autoline Industries

Member

8. Mr. Mohit Goyal, Director, Knowcross Solutions

Member

9. Dr. Anil Wali, MD, FITT

Member-Secretary

10. Prof. K L Chopra, Ex-Director, IIT

Kharagpur Special Invitee

2. **Gram Vaani Community Media Pvt Ltd** (Dr. Aaditeshwar Seth, CEO; Prof. Huzur Saran, CSE, IIT Delhi), since December 2008

The start-up has developed a transmission box for community radio broadcast network and is working at the pilot scale. Services provided over community radio include community engagements, interactive sessions, casting a vote, education / knowledge dissemination to the rural community / farmers etc.

3. **Sunurja Renewable Energy Pvt Ltd** (Dr. Ashish Pandey, CEO; Prof. A K Agarwala, IDDC, IIT Delhi), since September 2008

The main focus of the company is on design and

development of Renewable Energy Solutions. The company has licensed its technology for commercialization of inverters.

4. **Innovative Transport Solutions Pvt Ltd** (Dr. (Ms.) Anvita Arora, CEO; Dr. (Ms.) Geetam Tiwari, TRIPP, IIT Delhi), since September 2008.

The main focus of the company is on providing scientific and technical solutions for traffic and transport systems and development of models for sustainable transport in cities.

5. **Global Motortech Pvt Ltd** (Prof. K R Rajagopal, DEE), since April 2009.

The start-up has ventured into products/services leveraging the promoter's core competencies in Motor Design & Analysis Software. It is focused on technologies for motor based equipment and achieved success in few products like low watt, ceiling fan, micro-throttle based switch motor etc.

6. **Faros Technologies Pvt Ltd** (Mr. Ravi Kapoor, CEO; Prof. S Mukherjee, DME, IIT Delhi), since December 2008.

The faculty – alumni promoted unit is into development of simulator sub components, simulators and providing simulations services.

7. **HTech Handstalk Technologies Pvt Ltd** (Mr. Avinash Saxena, CEO; Prof. Anurag Sharma, Physics Department, IIT Delhi), since June 2009

The start-up was working on integration of an improved mouse pad more suitably on the keyboard which would enhance its efficiency. The incubation venture had been supported with fund from TePP (DSIR grant) and seed loan (TIDE scheme of DIT). The start-up had developed plug-ins for laptops which were deployed strategically at OEMs like HCL Infosystems for evaluation. But due to adverse market competition, the start-up could not make much headway and therefore, opted to move out of the TBIU. The incubation has been short closed in month of June 2010.

8. **Yonyx Technologies Pvt Ltd** (Mr. Sanjay Bajaj, CEO; Prof. Sandeep Sen, CSE, IIT Delhi), since April 2010.

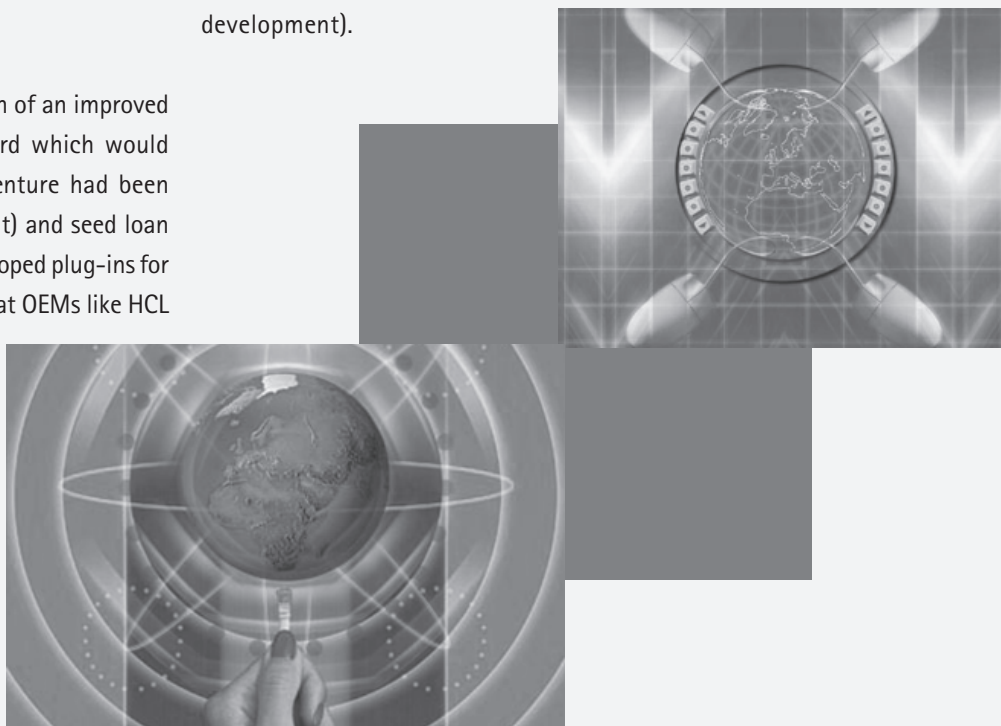
The start-up is focused on building teacher replication platform technology that enables teachers to package instruction with predicted student interaction, into self learning module. The learning modules are then made available on web based market place where students can buy such modules.

9. **Innovative Mechatronix Solutions Pvt Ltd** (Dr. Sunil Jha, DME), since April 2010

The faculty promoted start-up envisions excellence in design, development and manufacture of micromachining systems, mass production of finishing process and mechatronic embedded systems. The targeted products for development are (i) Universal of Micromachining System, (ii) Magnetorheological mass product finishing machine and (iii) Wireless ODR System.

10. **Simplyfy Softwares Pvt Ltd** (Mr. Anshuman Bansal, CEO; Dr. AS Rathore, Chemical Engineering, IIT Delhi), since June 2010.

The technology business by the start-up envisages a user friendly operating platform for biopharmaceutical manufacturers to capture, share and analyze information from biopharmaceutical processes (a KM Tool that empowers an industry unit to improve process development).

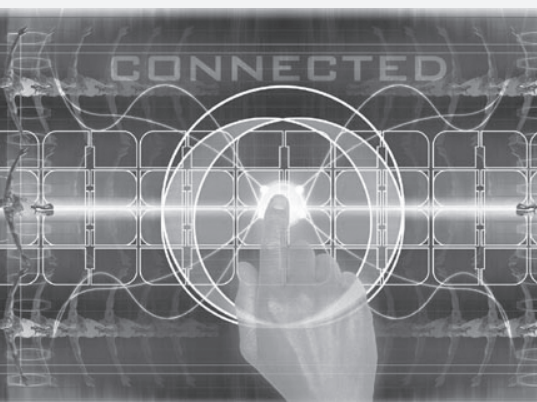


11. **Shalya Medical Technologies Pvt Ltd** (Dr. Abhinav Sood, CEO; Prof. Naresh Bhatnagar, Mechanical Engineering, IIT Delhi), since February 2010.

The technology business by the start-up aims to focus on design and development of medical implants which includes Product Development (Medical implants and accessories) and Process Development (Manufacturing, Testing).

12. **Genesis Location Services Pvt Ltd** (Mr. Indrajeet, CEO; Prof. Santanu Choudhury, DEE, IIT Delhi), since January 2011.

The star-up aims to develop location based products and services for the global audience in a variety of formats and across several verticals.



- c. Towards leveraging the Institute's forward looking agenda, FITT has adopted several programmes to enrich the entrepreneurial ecosystem and technology commercialization efforts at the Institute. Mention, in particular may be made of 'Technopreneur Promotion Programme' (TePP) of DSIR, Govt. of India under which individual innovators / start-ups can seek critical financial support. Towards accomplishment of the programme objectives, FITT organized several awareness workshops, disseminated promotional material, processed applications for TePP support and several proposals were technically evaluated. Seed support in the broad area of IT is also forthcoming under the Dept. of Information Technology (DIT) programme – "Technology Incubation and Development of Entrepreneurs" (TIDE) scheme in operation with FITT.

Similarly, the MSME scheme "Entrepreneurial and Managerial Development of SMEs through Incubators" has been dovetailed with the incubation programme at the Institute to promote emerging technological and knowledge-based innovative ventures that seek the nurturing of ideas from professionals beyond the traditional activities of MSMEs. FITT is also a beneficiary of the grant assistance of Rs. 1.00 crore from the Technology Development Board (TDB) for the specific purpose of providing early stage financial support to start-up units incubated at TBIU.

- d. Towards enhancing international linkages, FITT is collaborating with Wallonia Trade and Investment Agency (AWEX) of Belgium. Besides others, this partnership is aimed to help FITT recommended (incl. TBIU) technology start-up companies to gain access to the market in the European Union.

- e. FITT organized the TePP Outreach Centre (TUC) Review Meet on June 4 – 5, 2010 at IIT Delhi. The follow-up, 98th TePP Screening Committee Meeting was also organized here on July 8 – 9, 2010.

- f. FITT in association with TiE Delhi Chapter organized TiE Young Entrepreneurs (TYE) – an education program which focused on teaching entrepreneurship to youngsters and helping them to discover the rewards and challenges of becoming an entrepreneur.
- g. FITT along with the Confederation of Indian Industry (CII) hosted "i3 National Fair" in close association with the Department of Science and Technology, Govt. of India and Agilent Technologies on November 22, 2010. Top 52 innovations were showcased at the i3 National Fair. The event saw active participation by students, industry professionals, and individual & grassroots' innovators.

D. Professional (HR) Development Programmes

- a. Continuing Education for Industry has been a sustained activity and an important focus area of FITT. During 2010-11, 46 HRD programs of the gross value of Rs. 145 Lakhs were held with active participation from industry. Appendix IV lists various such programmes undertaken by FITT during the year 2010-11.
- b. Consistent with FITT's objectives towards knowledge transfer, a program "Professional Candidate Registration" has been initiated towards outreaching the academic options amongst the targeted professional segments in industry, research and academia. Through this program suitably qualified candidates can undertake relevant professional course modules at IIT Delhi and thus enhance their knowledge and skill set. A total of 80 candidates participated in this programme during I & II Semester of 2010-11. This is a programme that promises good potential in the targeted Delhi NCR region.
- c. The Educational Technology Services Centre of IIT Delhi develops single concept and full course video programmes. These video products are marketed by FITT. The gross value of the video products sold by FITT in 2010-11 is Rs. 0.77 Lakhs.

E. Corporate Membership

A key objective of FITT is to have formal and effective relationship with the industry on a mutually supportive basis. One mechanism for formalizing this relationship is to offer corporate membership to Industry, Industry Associations and user-service organizations on payment of nominal annual fees. At present FITT has over 130 corporate members who are in regular receipt of information about Institute programmes and other opportunities for collaboration. The corporate members enjoy a variety of complimentary services and opportunities for partnership. The list of Corporate Members of FITT as on August 31, 2011 is given in Appendix V.

F. FITT Awards

Foundation for Innovation and Technology Transfer (FITT) has instituted two awards, one each for Ph.D. and M.Tech./M.S. project adjudged as the best Industry Relevant Projects.

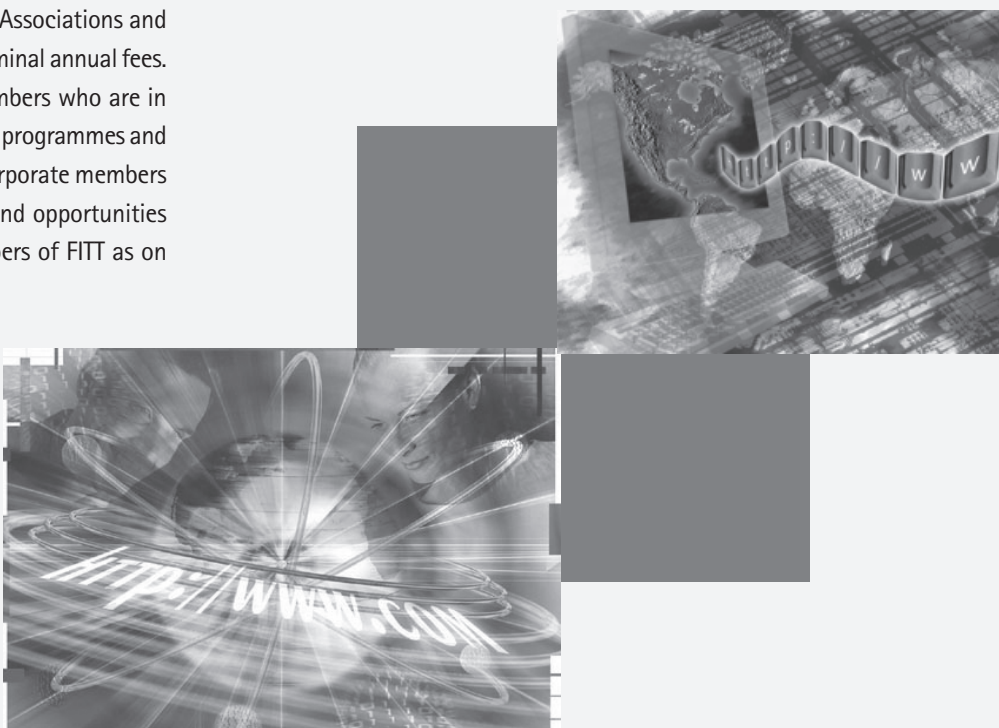
The award for M.Tech thesis was jointly awarded two students namely, Comm. Mrinal Sinha, CARE, IIT Delhi and Mr. Parth Ushirkumar Shah, Mechanical Engg., IITD. Prof. R Bahl, CARE / Prof. Arun Kumar, CARE and Dr. P M Pandey, Mechanical Engg. / Dr. Sunil Jha, Mechanical Engg., IIT Delhi are the respective faculty supervisors.

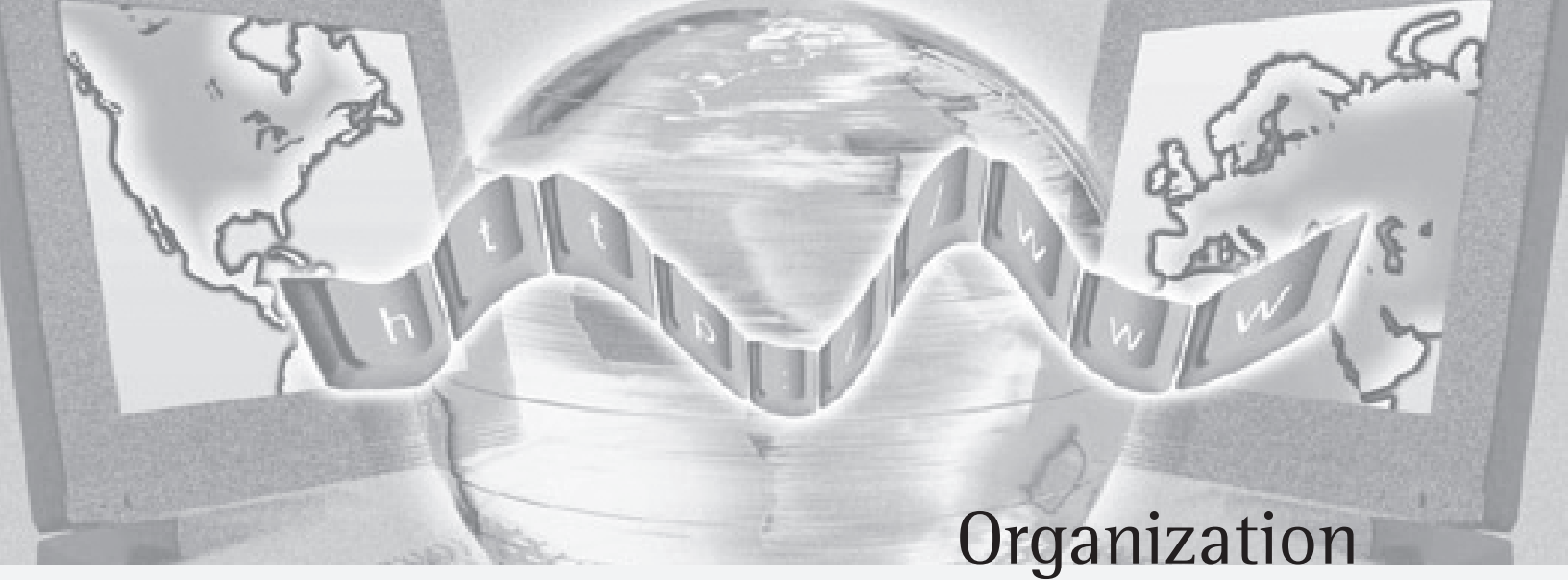
G. National Technology Day

FITT organized celebration of the National Technology Day at IIT Delhi on May 11, 2011. On this occasion a seminar was held in the Senate Room of the Institute. The seminar was inaugurated by Prof. Surendra Prasad, Director, IIT Delhi and moderated by Prof. Ravi Chattopadhyay (Prof.-in-charge – Planning Unit). The speakers on the occasion were Prof. Rakesh Bhatnagar (Deptt. of Biotechnology, JNU), Prof. Vikram Kumar (Deptt. of Physics, IIT Delhi) and Prof. B Jayaram (Deptt. of Chemistry, IIT Delhi). They spoke on "Recombinant Vaccine against Anthrax", "Genome to lead in Silico Technologies", "Monolithic Microwave Integrated Circuit" respectively and highlighted various development challenges.

H. Recognition

FITT is a recognized (by DSIR) Scientific and Industrial Research Organization (SIRO). As a SIRO, FITT is eligible for full custom duty exemption for import of capital goods, raw materials and technology knowhow that are required for execution of R&D programmes. FITT also functions as the recognized TUC-TePP Outreach Centre of DSIR for its Technopreneur Promotion Programme (TePP).





Organization

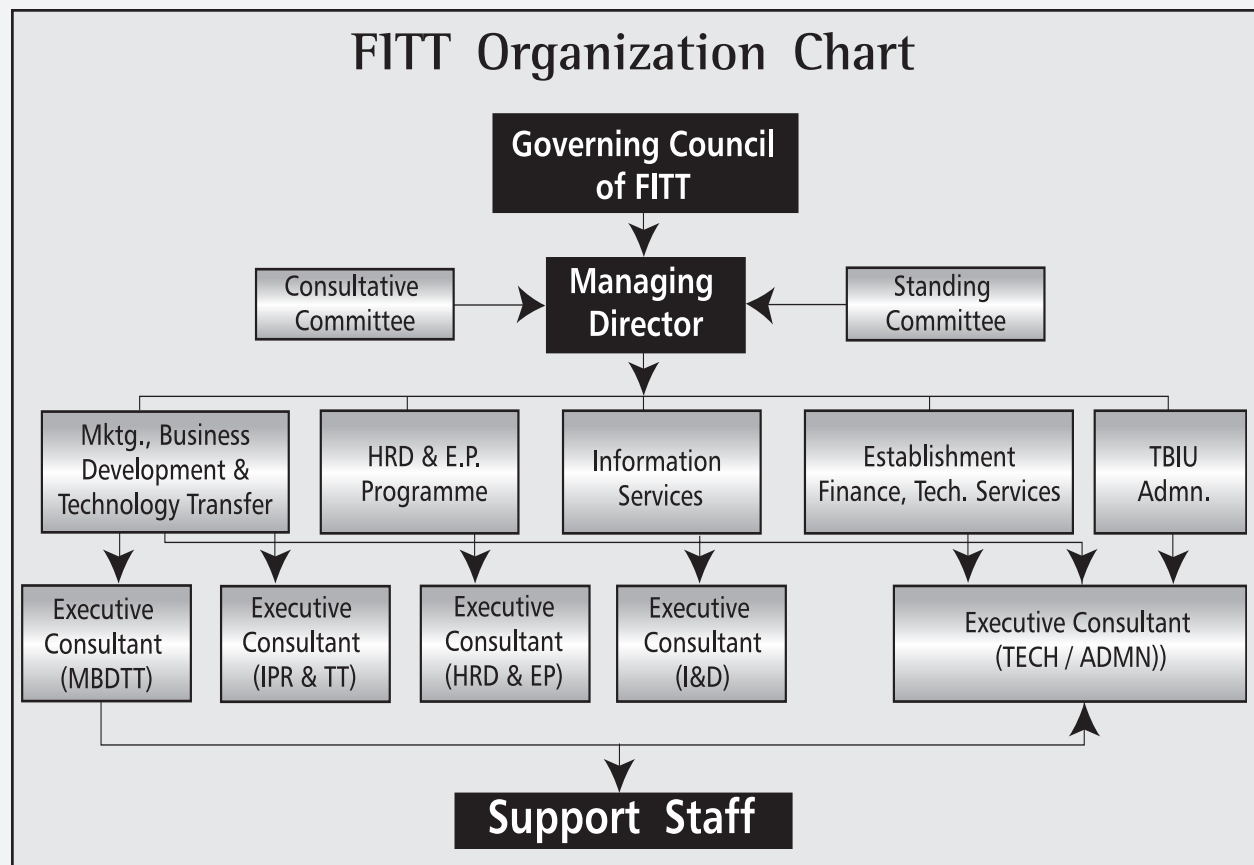
Organization Structure

The Management of FITT is vested with a full time Managing Director. The policy guidelines for operations are provided and overall control is exercised by the FITT Governing Council. The broad organization structure is given in the organizational chart in this section.

Governing Council

The Governing Council of FITT comprises representatives from Industry Associations / Industries, nominees of IIT

Delhi Senate and Board of Governors. In addition, there is one nominee of the Ministry of Human Resources Development. The Corporate members of FITT elect one member each from three Categories, large, medium and small sector industries (Category A, B and C) respectively. The Director of IIT Delhi is the ex-officio Chairman of the FITT Governing Council, and the Dean, IRD, IIT Delhi is an ex-officio member. The Managing Director is the ex-officio Member-Secretary.



Governing Council

Chairman

Prof. Surendra Prasad, Director, IIT Delhi (Ex-officio)*

Members

Prof. S N Singh
Dean (IRD), IITD

Prof. Anshul Kumar,
CSE, IITD

Mr. Vikram S. Kirloskar
Vice-Chairman
Toyota Kirloskar Motor Pvt. Ltd.

Prof. Saroj Mishra,
DBEB, IITD

Ms. Pratima Dikshit
Director,
Ministry of HRD

Dr. George John,
Adviser
Department of Biotechnology

Prof. S R Kale,
DME, IITD

Mr. Jasmohan Singh
Managing Director
Frick India Ltd.

Ms. Sushma Berlia
President,
Apeejay Styra Group

Prof. R Bahl,
CARE, IITD

Mr. Yogesh Munjal,
Managing Director
Munjal Showa Ltd.

Mr. Dipinder Sekhon
Director (Planning & Strategy)
KritiKal Solutions Pvt. Ltd.

Dr. A Wali

Members-Secretary

Managing Director, FITT (ex-officio)

*Prof. R K Shevgaonkar has taken over as the new *ex-officio* Chairman of Governing Council

Consultative Committee

Dr. A Wali

MD, FITT, Chairman

Members

Prof. B Jayaram
Chemistry, IIT Delhi

Dr. Arun Kumr,
CARE, IIT Delhi

Dr. R K Malhotra
Director (R&D)
Indian Oil Corporation Limited

Mr. Anjan Das
Sr. Director
Confederation of Indian
Industry

Prof. A K Gosain
Civil Engg., IIT Delhi

Mr. Vinod Sharma
Managing Director
Deki Electronics Ltd.

Mr. Shashi Munjal
President
IIT Delhi Alumni Association

Mr. K K Roy
Sr. Manager (Tech./Admn.),
FITT, IIT Delhi
Member-Secretary

Prof. A N Bhaskarwar
Chem. Engg., IIT Delhi

Mr. Madhukar Kapur
Chief Executive Office
C&S Electric Ltd.

Mr. H R Vaish
Secretary
IIT Delhi Alumni Association

Invitee

Mr. Mohit Mahajan
Executive Consultant
(IPR&TT)
FITT, IIT Delhi Invitee

Prof. A K Ghosh
CPSE, IIT Delhi

Mr. V S Goindi
Chairman
Goindi Group

Dr. Pradip K. Bhatnagar
Sr. Vice President (New Drug
Discovery Research)
Ranbaxy Laboratories Ltd.

Prof. B P Pal,
Physics, IIT Delhi

Prof. S R Kale,
Mech. Engg., IIT Delhi



Financial

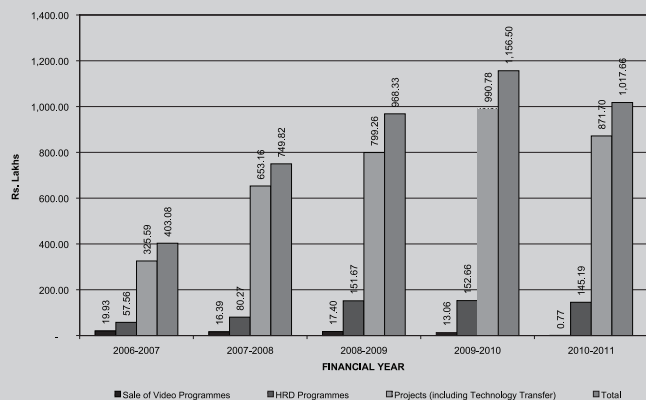
Highlights

(Figures in Rs. Lakhs)

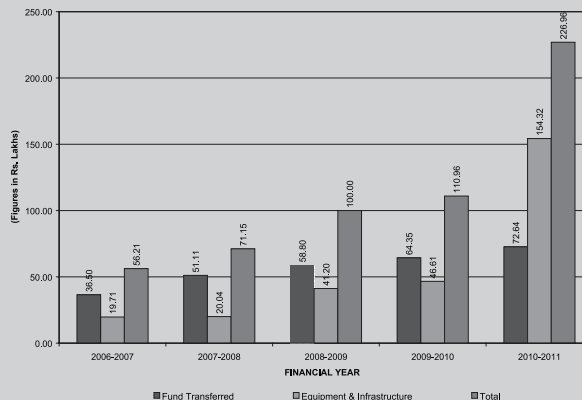
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
INVESTMENTS						
Bank deposits and Bonds	1,075.00	1,213.50	1,438.50	1,738.50	2,228.50	2,328.50
EARNINGS						
(i) Interest	86.04	81.91	108.96	136.22	176.91	166.43
(ii) Projects/Other Activities	29.63	33.69	41.21	40.48	51.85	59.22
(iii) Corporate Membership Fees	2.83	4.64	4.74	4.00	4.36	5.71
EXPENDITURES						
(i) Capital	1.50	1.37	0.19	2.85	1.79	0.15
(ii) Operational/Promotional/ Administrative	54.00	57.51	57.21	87.00	112.31	95.93
(iii) Rent for Office Premises (Payable to IIT Delhi)	5.97	5.27	5.27	5.27	5.27	5.27
Fund for Transfer to IIT Delhi (Project Activities)	30.08	36.50	51.11	58.80	64.35	72.64
Assets Generated for IIT Delhi out of project activities administered by FITT	22.59	19.71	20.04	41.2	46.61	154.32
Value of Projects Contracted/ Other Activities at FITT	438.30	403.08	749.82	968.33	1,156.50	1,017.66

ANNEXURES

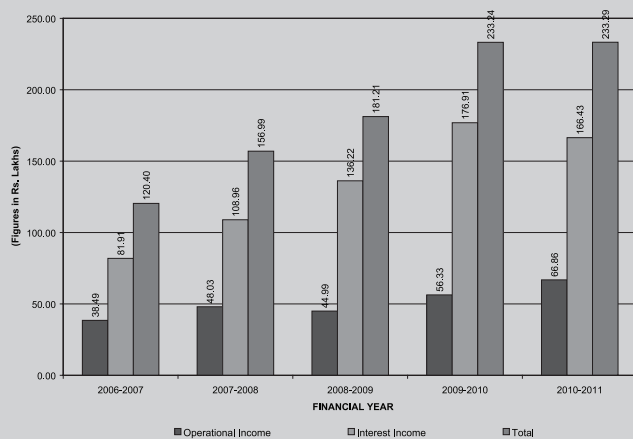
VALUE OF MAJOR ACTIVITIES UNDERTAKEN BY FITT



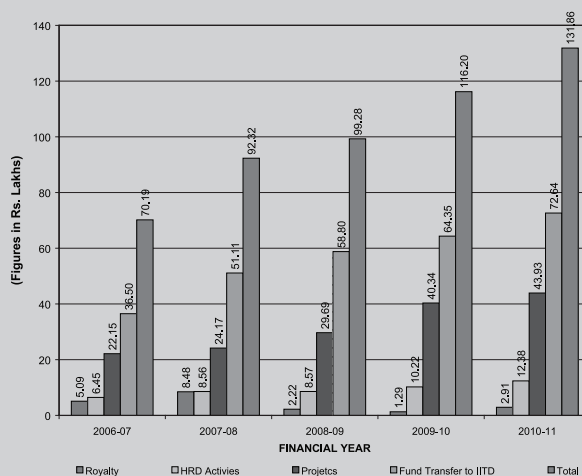
ASSETS GENERATED FOR IIT DELHI



INCOME PROFILE OF FITT



RESOURCE GENERATION FOR FITT & IIT



APPENDIX - I

List of IPR Applications Approved by IITD IPR-SC during the Financial Year 2010-11

S. No.	Title	P.I./Deptt.
1	A stapler for stapling pins of different designs	A Singh, IDDC
2	Improved Power Quality LCI fed synchronous motor Drive, using a 12-Pulse Controlled Converter with Passive Filters	B Singh, EE
3	A novel variant of L-Asparaginase and its Use thereof	B Kundu, BEB
4	A non- mechanical scanning phase-shifting lateral shearing interferometer based on wedge shaped liquid crystal cell	D S Mehta, IDDC
5	An apparatus and method for parasitic Communication	R Bose, EE
6	An apparatus and method for personal area Network and Body area Network using Magnetic coupling	R Bose, EE
7	A method for invoking emergency response in an electronic data acquisition system	S Kar, EE
8	Optimal Distribution of complexity for partial Cancellation in VDSL	S Prasad, EE
9	A novel vibration sensor for concrete Structures	S Bhalla, CE
10	Plant cell / hairy root cultivation on inert solid supports	A K Srivastava, BEB
11	A new high capacity gas distributor-cum-support plate for packed columns	D P Rao, CHEM
12	Foot Step Electricity Generator	S N Singh, AM
13	Coconut dehusking machine	S N Singh, AM
14	Toy Game (Monkey Tree)	V M Chariar, CRDT
15	Process for Making Nanorods of Zinc Oxide and Resulting Products thereof	V Dutta, CES
16	A process for the preparation of scaffold of polycaprolactose by in-situ coagulation for tissue engineering	B Gupta, TT
17	Electronic Braille Tutor System	M Balakrishnan, CSE
18	Secure Communication in Wireless cooperative Communication System	M Bhatnagar, EE
19	Intruder detector for security system	S Kar, EE
20	KnowFall: A Method for distributed posture detection, gait assessment and recording using a wireless sensor network based mechanism	S Kar, EE
21	Conductance Based Decoupled Electronic Load Controller for Isolated Asynchronous generators in Small hydro Power Generation	B Singh, EE
22	Developing Impermeable concrete by Ingress of AgNO ₃ or other Chemical	S Gupta, CE
23	Treatment of Effluent using Magnetic Nanoparticles	A N Bhaskarwar, CHEM
24	A Novel Four-leg voltage Source Converter based Voltage and Frequency controller for an Autonomous Wind Energy Conversion System	B Singh, EE

S. No.	Title	P.I./Deptt.
25	Wireless ECG patch and system for obtaining High Definition mobile ECG	S. Anand, BME
26	A miniaturized Michelson's Interferometer	D S Mehta, IDDC
27	Reduced Control Michelson's Interferometer	D S Mehta, IDDC
28	Design of a Dishwasher for low volume usage	S N Singh, AM
29	Contra lateral limb controlled prosthetic knee joint	S Anand, CBME
30	An Improved MRF finishing apparatus for stable, scalable and continuous process finishing application	S Jha, ME
31	Product: Inhibitor of Japanese Encephalitis Virus- Potential Drug	V Haridas , CHY
32	Process:Template for Nucleation of Secondary Structures in Proteins	V Haridas , CHY
33	Process:Template for Nucleation of Secondary Structures in Peptides	V Haridas , CHY
34	Expedient Keyboard	M Balakrishnan, CSE
35	Alternative Design of an expedient Keyboard	M Balakrishnan, CSE
36	A keyboard interface for software programmers	M Balakrishnan, CSE
37	A novel Swirl rotor assembly to be used as a mixer	S N Singh, AM
38	A System and method for obtaining Continuous pattern Blending in Textile Strands	S M Ishtiaque, TT
39	Triple layer dressing for wound healing	V Koul, CBME

APPENDIX - II

IP for Licensing during the Financial Year 2010-11

S. No.	Title	Principal Inventor	Deptt/Centre	Client
1	Development of the Iontophoretic kit for a transdermal delivery of Methotrexate and insulin and Validation of Iontophoretic parameters for diclofenac	Prof. Sneha Anand	CBME	M/s Troikaa Pharmaceuticals Ltd., Ahmedabad
2	Technology Licensing of "Odourless, Waterless Urinal Traps and associated structures"	Prof. V M Chariar	CRDT	M/s Moneyplant Estates Pvt Ltd., Bangalore
3	Technology Licensing of "Odourless, Waterless Urinal Traps and associated structures"	Prof. V M Chariar	CRDT	M/s Goodyield Environmental Technologies Pvt Ltd., Kolkata
4	An Apparatus and Method for Packet Error Correction in Networks	Prof. Ranjan Bose	Elect Engg.	M/s Intellectual Ventures Asia Pvt. Ltd., Singapore

APPENDIX - III

Select Development Projects Undertaken During the Financial Year 2010-11

S. No.	Title	PI	Deptt	Client
1	Process development and assessment of microbial culture for therapeutic protein production	Prof. Saroj Mishra	DBEB	Panacea Biotech Ltd., New Delhi
2	Characterization of underwater acoustic transmission property of materials	Prof. Arun Kumar	CARE	Larsen & Toubro Limited, Mumbai
3	Development of platform radiated noise library	Prof. Arun Kumar	CARE	Submarine Combat Systems Group, WESEE, New Delhi
4	CARS – GMSK and impulse radio noise suppression schemes for VLF communication	Prof. Arun Kumar	CARE	Defence Electronics Applications Laboratory, Dehradun
5	CARS – LDPC codes for VLF communication	Prof. R Bahl	CARE	Defence Electronics Applications Laboratory, Dehradun
6	Regional climate scenario in Sikkim and western Arunachal Pradesh using RegCM3	Prof. S K Das	CAS	World Wide Fund for Nature, India (WWF-India), New Delhi
7	Solar stud for road deployment	Prof. S Mukherjee	DME	Muskaan Safety Solutions Pvt Ltd., New Delhi
8	STP AT Greater Noida – design, process validation, technical evaluation and process optimization	Prof. A K Mittal	DCE	Greater Noida Industrial Development Authority, Greater Noida
9	Low power design methodology	Prof. M Balakrishnan	CSE	Synopsys India Pvt Ltd., Bangalore
10	Brand identity design for BML Munjal Foundation	Dr. Amitoj Singh	IDDC	Hero Corporate Services Ltd, New Delhi

S. No.	Title	PI	Deptt	Client
11	Analysis of sample (Phase-II & III)	Prof. V Choudhary	CPSE	The Office of the Commissioner of Customs, New Delhi
12	Study of combustion of low calorific value gas for commercial application	Prof. Anjan Ray	DME	Oil & Natural Gas Commission (ONGC), New Delhi
13	Injury biomechanics and impact simulations using MADYMAT	Prof. A Chawla	DME	Maruti Suzuki India Ltd., Gurgaon
14	CTOD Toughness in weld joints of API steel and ensurance of failure safety using F.M. approach and developments & modifications of process parameters of weld joints	Prof. R K Pandey	AM	Jindal Saw Ltd., Mathura
15	Technical analysis of patent IN 202302	Dr. Sukumar Mishra	DEE	Anand & Anand, New Delhi
16	Design, development and testing of new chemical hoods as per ASHRE 110	Prof. PMV Subbarao	DME	Varpar International Pvt Ltd., Chandigarh
17	Optimisation and design of speciality polymer nanoparticles for digital imaging and related application	Prof. Harpal Singh	CBME	Navran Advanced Nanoproducts Pvt Ltd, Dhamandri, HP
18	Design of solar energy systems for ITDC hotels at Jaipur and Bharatpur	Prof. V Dutta	CES	India Tourism Development Corp (ITDC), New Delhi
19	Barrier design for noise mitigation along the new runway at IGI Airport, New Delhi	Dr. A K Darpe	DME	Delhi International Airport Pvt Ltd. (DIAL), New Delhi
20	Performance evaluation of a new device for electricity production	Dr. S V Modak	DME	Central Power Research Institute, Bangalore

S. No.	Title	PI	Deptt	Client
21	Development of real-time platform radiated noise simulator for classifier testing using unbounded underwater channel	Prof. Arun Kumar	CARE	Submarine Combat Systems Group, WESEE, New Delhi
22	Security issue for network management in a converged network with suggested network architecture and configuration, training and development on cyber security tools	Prof. S K Gupta	CSE	Centre for Artificial Intelligence and Robotics, DRDO, Bangalore
23	Investigation on integrity analysis of pipeline weld joints & process parameters development using fracture mechanics (CTOD) approach	Prof. R K Pandey	AM	Jindal Saw Ltd., Mathura
24	Operational control centre design & ergonomic study for BMRC Ltd	Prof. L K Das	IDDC	Alstom Projects India Ltd., Bangalore
25	Support to entrepreneurial and managerial development of SMEs under MSME scheme	Dr. Amit Rawal	DTT	Dr. Nandan Kumar, Panipat (Entrepreneur, MSME Scheme)
26	Use of bio-separation technologies in PAT and QbD based process	Dr. A S Rathore	Chem	Pall India Pvt Ltd., Bangalore
27	Analysis of a 20 foot folding container with doors on the side panel and a 180 degree top opening roof and development of a concept of a 40 foot foldable container	Prof. A Chawla	DME	Simpri Investment Ltd (SIL), Hongkong
28	A symmetrical beams for spectrum efficiency	Prof. R Bose	DEE	Ten XC Wireless, Canada

S. No.	Title	PI	Deptt	Client
29	Modeling and impact assessment component of the India – climate change impact and adaptation of coastal cities study	Prof. A K Gosain	DCE	INRM Consultants Pvt Ltd., New Delhi
30	CARS – Simulation studies and evaluation of infrasonic based avalanche localization system	Prof. Arun Kumar	CARE	Snow Et Avalanche Study Establishment, DRDO, Chandigarh
31	Technical services to customes deptt.	Prof. V Choudhary	CPSE	The Office of the Commissioner of Customs, New Delhi
32	Technical opinion about the status of tobacco packing equipments	Dr. P M Pandey	DME	Office of the Commissioner of Central Excise Delhi – IV, Faridabad
33	Development of composites for low friction low wear applications	Prof. J Bijwe	ITMMEC	Gharda Chemicals Ltd., Thane
34	Operational control centre design Et ergonomic study for BMRC Ltd (Phase-II)	Mr. L K Das	IDDC	Alstom Projects India Ltd., Bangalore
35	Developing compliant surfaces and lubricating oils for reduced oil consumption	Prof. J Bijwe	ITMMEC	GE India Technology Centre Pvt Ltd., Banaglore
36	Investigation of hydrodynamics in rotary fluidized bio-reactor	Dr. Shantanu Roy	Chem	Thermax Ltd., Pune
37	Vetting of technical computation methodology for FY 2009-10	Dr. Sunil Jha	DME	BSES Yamuna Power Ltd., New Delhi
38	Simulation software for power distribution management system	Dr. Sunil Jha	DME	BSES Yamuna Power Ltd., New Delhi

S. No.	Title	PI	Deptt	Client
39	Hydrological modelling of the identified drainage systems to access the water resource availability	Prof. A K Gosain	DCE	Greenpeace India Society, Bangalore
40	An interpretation of some of the statements defined in standard test method "UIC 564-2"	Dr. Amit Rawal	DTT	Delkon Textiles Pvt Ltd, Faridabad
41	Study to reduce technical losses in BYPL	Dr. Sunil Jha	DME	BSES Yamuna Power Ltd., New Delhi
42	Development of nanocoatings for application in coated fabrics	Prof. A K Agrawal	DTT	SRF Limited, Chennai
43	Assessment of alternative technologies for waste management to be used by urban local bodies	Dr. V M Chariar	CRDT	ICRA Management Consulting Services Pvt Ltd., Noida
44	Development of thermal sensation index based controller card for air-conditioning coaches of indian railways	Prof. I N Kar	DEE	Northern Railways, New Delhi
45	Technical due diligence of M/s FLISOM AG, Switzerland	Prof. V Dutta	CES	Oil and Natural Gas Commission, New Delhi
46	Algorithms for inertial sensor-based pedestrian navigation	Dr. Manish Sharma	CARE	SiRF Technology India Pvt Ltd., Noida
47	Investigations on worn surfaces	Prof. J Bijwe	ITMMEC	Hindustan Composites Ltd., Aurangabad
48	CARS – application and optimization of FMTWI on thick composites	Prof. S Tuli	CARE	Advanced Systems Laboratory (ASL), DRDO, Hyderabad

S. No.	Title	PI	Deptt	Client
49	Technical services to customs deptt. – Phase-V	Prof. V Choudhary	CPSE	The Office of the Commissioner of Customs, New Delhi
50	Development of practical oriented teaching manual and set of MIC devices	Prof. S K Koul	CARE	Meera Agencies Pvt Ltd., Gurgaon
51	Enabling activity for preparation of India's second national communication to UNFCCC	Prof. A K Gosain	DCE	Winrock International India, New Delhi
52	Development of data analytics technology for mobile marketing	Prof. S Chaudhury	DEE	Flytxt Technology Pvt Ltd., Trivendrum
53	Design of coaxial to waveguide transition	Prof. S K Koul	CARE	Lambda Group, Gurgaon
54	Technical support for design and patent examination of ultra tribolt lock	Prof. A Chawla	DME	Godrej & Boyce Mfg. Co. Ltd, Mumbai
55	In-silico optimization of derivatives of peptide NuBCP9 inhibitor of BCL2 and evaluation of their anti-cancer properties	Prof. H Singh	CBME	NanoMol Therapeutics, New Delhi

Projects Involving Foreign Contribution During the Financial Year 2010-11

S. No.	Title	PI	Deptt	Client
1	Analysis of two-phase flow through fine channels of porous substrates (Phase-IV)	Dr. Shantanu Roy	Chem	Corning Inc., S&T, USA**
2	Fundamental studies on droplet coalescence and re-dispersion in liquid – liquid dispersions (Phase-II)	Dr. Shantanu Roy	CPSE	Shell Technology India Pvt Ltd., Bangalore**
3	New-Gen polyolefin films for hygiene applications (Year-1)	Prof. A K Ghosh	CRDT	The Procter & Gamble Co, USA**
4	VALORGAS – valorisation of food waste to biogas	Prof. V K Vijay	CAS	European Union grant under Framework Program 7 (FP-7)**
5	Fundamental studies and industrial applications in membrane adsorbers	Dr. A S Rathore	Chem	Sartorius Stedim Biotech GmbH, Germany**
6	AsianCitiesAdapt – impact of climate change in target cities in India and the Phillippines and local adaptation strategies	Prof. S K Dash	CAS	ICLEI European Secretariat GmbH, Germany**
7	Automated fault detection and diagnostics rules for HVAC Systems (Ph.-I)	Prof. Sanjeev Jain	DME	Pacific Control Systems Inc., Dubai, UAE**
8	Consultancy in developing long-term monitoring techniques using underwater acoustic technology (Phase-II)	Prof. R Bahl	CARE	Institute of Industrial Science, Univ. of Tokyo, Japan**

S. No.	Title	PI	Deptt	Client
9	Hypersonic high vacuum coal conveying system	Prof. V K Agarwal	ITMMEC	Midwest Holdings Ltd., Isle of Man**
10	Public health impacts in urban environments of greenhouse gas emissions reduction strategies - PURGE	Prof. D Mohan	TRIPP	London School of Hygiene & Tropical Medicine, UK**
11	Fundamental studies on droplet coalescence and re-dispersion in liquid – liquid dispersions (Phase-III)	Dr. Shantanu Roy	CHEM	Shell Technology India Pvt Ltd., Bangalore**

** International Programmes

APPENDIX - IV

HRD Programmes Undertaken during the Financial Year 2010-11

S. No.	Title	PI	Deptt	Client
1	Process and Quality Control in Textile Industries	Dr. Apurba Das	TT	Participation fee based
2	Supervisory Development Programme	Dr. K N Jha	CE	Larsen & Toubro Limited., Chennai
3	Modeling and Simulations of Multiphase flow systems	Dr. Vivek K Buwa	CH	TATA Steel R&D Centre, Jamshedpur
4	Advanced Workshop Training for Engineers of ARI	Prof. P V Rao	CW	Applied Research International, New Delhi
5	Improving project performance using Virtual Design and Construction	Prof. K C Iyer	CE	Participation fee based
6	Training on "Graphics & Software Engineering"	Dr. Subodh Kumar	CSE	Adobe, Noida
7	Course on "Slurry Pipeline Design"	Dr. D R Kaushal	CE	Sociedade De Fomento Industrial Pvt Ltd., Goa
8	Short course on "Ocean Modelling"	Prof. A D Rao	CAS	Ministry of Defence (Navy), New Delhi
9	Short course on Advanced Sensing Technologies for Civil Engineers	Dr. Suresh Bhalla	C E	Participation fee based
10	Training on Graphics & Software Engineering	Dr. Subodh Kumar	CSE	Adobe, Noida
11	Fire Performance of Steel and Concrete Structures	Dr. Vasant Matsagar	CE	Participation fee based
12	Global Internship Program in Engineering Design and Innovation	Prof. Subrat Kar	EE	Participation fee based
13	Programme on "Super Critical Technologies"	Prof. PMV Subbarao	ME	Lanco Infratech Ltd., Gurgaon
14	Training Program on "Super Critical Technologies"	Prof. PMV Subbarao	ME	Lanco Infratech Ltd., Udupi
15	SWAT workshop in India	Prof. A K Gosain	CE	Participation fee based
16	Short Course on "Advances in Earthquake Engineering"	Dr. Vasant Matsagar	CE	Participation fee based
17	Short Term Training Programme on "Bio-informatics and Computational Biology"	Prof. B Jayaram	CY	Participation fee based

S. No.	Title	PI	Deptt	Client
18	Advanced Short Course on "Technologies for Passive Surveillance"	Prof. R Bahl	CARE	Participation fee based
19	Programme on "Super Critical Technologies"	Prof. PMV Subbarao	ME	Lanco Infratech Ltd., Gurgaon
20	Workshop on "Financial Engineering"	Dr. N Bholia	ME	Participation fee based
21	Training on "Storm Surge Prediction"	Prof. S K Dube	CAS	World Metrological Organization (WMO)
22	SWAT Workshop In India	Prof. A K Gosian	CE	Participation fee based
23	PCR-1 Professional Candidate Programme (1st Semester 2010-11)			Participation fee based
24	Short Course on "Medical Implants - Innovation Challenges and Opportunities"	Prof. N Bhatnagar	ME	Participation fee based
25	Training Programme on Advanced Weather Research and Forecast Modelling Systems: Assimilation, Simulation and Verification (SRF-ARW Training)	Prof. U C Mohanty	CAS	Weather Modification Technology Centre, Jakarta, Indonesia
26	Short Course on "Product Design"	Prof. L K Das	IDDC	Solidworks Software Pvt Ltd., Bangalore
27	Vibrations: Measurement, Testing and Design	Prof. A K Darpe	M E	Terminal Ballistics Research Laboratory, DRDO, Chandigarh
28	Transportation and Storage of Flyash(Pneumatic Conveying, High Concentration Slurry Disposal and Silo Design)	Prof. V K Agarwal	ITMMEC	Participation fee based + Part Sponsored by by McNally Bharat Engineering Co. Ltd, Kolkatta
29	International Course on "Transportation, Road Safety & Biomechanics"	Prof. D Mohan	TRIPP	INRETS France, WHO, Min of Transport & Participation fee based
30	Short course on "Economics & Financing of Renewable Energy Technologies"	Prof. T C Kandpal	CES	Participation Fee Based
31	Design & Analysis of Hydraulic Turbines	Prof. PMV Subbarao	ME	Alstom Hydro R&D India Ltd., Vadodara
32	An Introductory Course on Chemical Engineering for Food Processing Industry	Dr. S K Pattanayek	CH	Pepsico India Holdings Pvt Ltd., Gurgaon
33	ISER-IIT Delhi Tutorial on Robotics	Prof. S Mukherjee	ME	Participation Fee Based

S. No.	Title	PI	Deptt	Client
34	Global Internship Program in Engineering Design and Innovation	Prof. Subrat Kar	EE	Participation fee based
35	Indo - US Workshop on Engineering Issues in Emerging and Environmental Security: Challenges and Research Opportunity	Prof. S Basu	CH	Indo-US Science & Technology Forum, DST, IIT Golden Jubilee Fund
36	Development of Training Material on radioactive Particle Tracking Technique	Dr. S Roy	CH	International Atomic Energy Agency (IAEA), Vienna
37	Global Internship Program in Engineering Design and Innovation	Prof. Subrat Kar	EE	Participation fee based
38	Basic Data Structures Et Algorithms at Mentor Graphics	Prof. Naveen Garg	CSE	DkOP Labs Pvt Ltd
39	CPCB - Training Programme on "Biotechnology Treatments of Biological Wastes and Waste Water	Prof. S N Mukhopadhyay and Prof. T R Sreekrishnan	DBEB	CPCB, New Delhi
40	2nd Advisory Workshop on "Enhancing Forecasting Capabilities for North Indian Ocean Storm Surges	Prof. S K Dube	CAS	IOC - UNESCO
41	Certificate Course on "Embedded Systems and Applications"	Prof. Subrat Kar and Dr. Brejesh Lall	EE	Participation fee based
42	International Workshop on "Advances in Asbestos Free Friction Composites (IWA AFC-III)	Prof. Jayashree Bijwe	ITMMEC	Participation fee based
43	Short Course on "Underwater Superiority" at INS Valsura	Prof. Arun Kumar	CARE	INS Valsura, Jamnagar
44	PCR-7 PROFESSIONAL CANDIDATE PROGRAMME (2nd Semester 2010-11)			
45	Design of Pressure Regulator	Prof. M R Ravi and Dr. Harish Hirani	ME	Minda Industries Ltd., Gurgaon
46	Capacity Building for Adoption of Biogas Technology	Dr. A. Malik and Prof. V K Vijay	CRDT	FORCE, New Delhi

**International Programmes

APPENDIX - V

Corporate Members

CATEGORY - A

Reliance Industries
 Pidilite Industries
 Jubilant Organosys
 Fibcom India
 Rico Auto Industries
 Hero MotoCorp
 Minda Corporation
 Larsen & Toubro
 Munjal Showa
 Sona Koyo Steering
 Baxter India
 Okaya Power
 Shriram Polytech
 3M India
 Bharat Petroleum Corporation
 Vardhman Textile
 Maruti Suzuki India
 Schneider Electric India
 Jasch Industries
 Clutch Auto
 Luminous Power Technologies
 Auto Ignition
 S.P.Singla Constructions
 Marathon Electric India

Bajaj Steel Industries
 ALCHEM International
 Intex Technologies (India)
 Bony Polymers
 Ranbaxy Laboratories
 JBM Industries
 BCH Electric
 SRF
 JCB India
 Canon India
 LG Electronics India
 Sterling Tools
 Ester Industries
 Danfoss Industries
 Carborundum Universal
 Tata Chemicals
 Polyplex Corporation
 High Polymers Additives Ltd.
 Star Wire(India)
 Tata Industries
 Acme Tele Power
 Ecel R&D Centre
 Panasonic R&D Centre India

CATEGORY -B

Frick India
 Wonder Polymers
 Bihani Manufacturing
 Provimi Animal Nutrition India
 The Scientific Instrument Company
 UOP India
 Biotech International
 Shivalik Bimetal Controls
 Om Paper Kraft (India)
 C&S Electric
 SAIC India
 Shefa Engineers
 Poly Medicure
 In Trans Engineering
 Bharti Waters

Associated Traders
 Pluss Polymers
 Deki Electronics
 Indication Instruments
 Sciencetech Technologies
 Pitney Bowes Software (India)
 M.BIT Computraining
 Joneja Bright Steels
 Elico
 Raunaq International
 BSL Casting
 LNM Auto Industries
 Cenlub Industries
 Skyquest Technology Consulting
 Usha Breco

CATEGORY -C

New Life Pharmaceuticals
 Allied Alloy Products
 NRDC
 NET EDGE Computing Solutions
 Applied Research International
 Allied Industries
 S.S. Construction & Engineers
 Ambala Cement
 JIJ Financial & Management
 Bonanza Consultants
 SRISOL
 Sifter International
 Altacit Global
 S.S. Foundry Chemical Industries
 Shubhkarma Udyog
 Manage Air Products
 Kritikal Solutions
 Academy of Industrial Mangement
 Indore Colour Organics
 MB Educational Concepts

C3i Consultants India
 Naga Fragrance
 Faros Simulation Systems
 Proderma Biotech
 Vidyut Yantra Udyog
 Biocraft Healthcare
 Virtual Wire Technologies
 Mahalwale Enterprises
 Mechartes Researchers
 Anindus Consultants
 I2 India
 ASHI International
 Anergy Instrument
 De Core Technology
 Span International
 Gepnet Enviro Solutions
 Green Brick Solutions
 Ecosense Sustainable Solution
 Bridge dots Techservices

CATEGORY -D

Steel Authority of India
 Intercontinental Consultants Technocrats
 NEDO
 Dabur India

Dabur Research Foundation
 NEERI
 DKOP Labs



Annual

Accounts



CONSULTANCY DIVISION : B- 3/55, SAFDARJUNG ENCLAVE, NEW DELHI - 110029

TAX & AUDIT DIVISION : 28- B/7/1, JIA SARAI, (NEAR I.I.T.) NEW DELHI - 110016

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TEL.: PARTNER : PANKAJ AGARWAL : DIRECT : 26523317, 26523318 RES.: 26167665, 9810401127, 9873401127

AUDITOR'S REPORT

Foundation for Innovation and Technology Transfer
IIT Delhi, Hauz Khas
New Delhi- 110016

1. We have audited the attached Balance Sheet of MIS Foundation for Innovation and Technology Transfer, New Delhi as on 31st March 2011 and also the Income & Expenditure Account for the year ended on that date, annexed thereto. These financial statements are the responsibility of the Society's management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. We conducted our 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.
3. Further to our comments above, 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 purposes of our audit;
 - b) in our opinion, proper books of account as required by law have been kept by the Society so far as appears from our examination of the books of accounts;
 - c) the Balance Sheet and Income & Expenditure 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 accounts give the information in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

i) in the case of the balance sheet, of the state of affairs of the Society as at March 31,2011; and

ii) in the case of the Income & Expenditure Account, of the Surplus of the Society for the year ended on that date.

For Neera. A rawal & Co. Chart

(Pankaj Agarwal) Partner

M.No.086877

FRN: 004186N

Place: New Delhi

Date: 23.09.2011

BALANCE SHEET

AS ON 31st MARCH, 2011

	Schedule No.	Rs.	31.03.2011 Rs.	Rs.	31.03.2010 Rs.
SOURCES OF FUNDS					
Corpus Funds Seed Money			16,200,000		16,200,000
Reserves and Surplus	1		74,812,044		61,786,364
Research and Devt. Fund	2		43,343,299		40,818,197
			134,355,343		118,804,561
APPLICATION OF FUNDS					
Fixed Assets	3				
(A) Gross Block		17,555,058		6,268,849	
(B) Less: Depreciation		5,283,567		5,099,736	
(C) Net Block			12,271,491		1,169,113
Investments	4		232,850,000		222,850,000
Current Assets Loans & Advances	5	11,074,996		20,868,460	
Less: Current Liabilities	6	121,841,144		126,083,012	
Net Current Assets			(110,766,148)		(105,214,552)
			134,355,343		118,804,561
Notes On Accounts		11			
The schedule referred to above form an integral part of the accounts					

As per our attached Report of even date

Sd/-
Pankaj Agarwal
Partner
M No. 086877
FRN: 04186N

Sd/-
K.K. Roy
(Manager Administration)

Sd/-
Anil Wali
(Managing Director)

As per our attached Report of even date

Place: New Delhi
Dated: 23-9-2011

Sd/-
for NEERAJ AGRAWAL & CO.
Chartered Accountants

INCOME & EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 31ST MARCH, 2011

Particulars	Schedule No.	31.03.2011 Rs.	31.03.2010 Rs.
INCOME			
Interest	7	16,643,411	17,690,694
Project & Technology Transfer	8	5,922,070	5,185,402
Corporate Membership Fee		571,187	436,173
Other Income		192,578	11,813
		23,329,246	23,324,082
EXPENDITURE			
Establishment Expenses		8,298,442	10,038,730
Patent & Copyright		10,864	4,266
Information Support Services		212,370	154,371
Administrative Expenses	9	1,357,445	1,129,629
Research & Devt. Expenses	10	200,614	331,052
Award / Scholarship		40,000	100,000
Depreciation		183,831	209,944
		10,303,566	11,967,992
Excess of Income Over Expenditure		13,025,680	11,356,090
Notes on Accounts	11		
The schedule referred to above form an integral part of the accounts			

As per our attached Report of even date

Sd/-
Pankaj Agarwal
Partner
M No. 086877
FRN: 04186N

Sd/-
K.K. Roy
(Manager Administration)

Sd/-
Anil Wali
(Managing Director)

As per our attached Report of even date

Place: New Delhi
Dated: 23-9-2011

Sd/-
for NEERAJ AGRAWAL & CO.
Chartered Accountants

SCHEDULES FORMING PART OF THE BALANCE SHEET

Particulars	Rs.	31.03.2011 Rs.	Rs.	31.03.2010 Rs.
1: RESERVES & SURPLUS				
Capital Reserve		2,555,812		2,555,812
General Reserve		59,230,552		47,874,462
Excess of Income Over Expenditure		13,025,680		11,356,090
		74,812,044		61,786,364
2: RESEARCH & DEVELOPMENT FUNDS				
FITT Project Promotion Fund				
Opening Balance	10,802,898		10,085,399	
Add: Additions During the Year	510,398		717,499	
	11,313,296		10,802,898	
Less: Utilised During the Year	-	11,313,296	-	10,802,898
FITT Consultant Fund				
Opening Balance	11,133,898		9,785,366	
Add: Additions During the Year	2,083,613		2,529,175	
	13,217,511		12,314,541	
Less: Utilised During the Year	1,807,718	11,409,793	1,180,643	11,133,898
FITT Department Development Fund				
Opening Balance	8,156,116		7,019,576	
Add: Additions During the Year	3,025,951		2,287,538	
	11,182,067		9,307,114	
Less: Utilised During the Year	1,678,734	9,503,333	1,150,998	8,156,116
Central Administration Fund				
Opening Balance	96,090		34,815	
Add: Additions During the Year	645,708		683,487	
	741,798		718,302	
Less: Utilised During the Year	740,718	1,080	622,212	96,090
FITT Student Welfare Fund				
Opening Balance	94,000		99,000	
Add: Additions During the Year	-		-	
	94,000		99,000	
Less: Utilised During the Year		94,000	5,000	94,000
FITT Administrative Fund				
Opening Balance	34,892		-	
Add: Additions During the Year	427,095		34,892	
	461,987		34,892	
Less: Utilised During the Year	-	461,987	-	34,892
TBIU - Tide Funds				
Opening Balance	3,110,464		4,000,000	
Add: Additions During the Year	-		-	
	3,110,464		4,000,000	
Less: Utilised During the Year	2,056,610	1,053,854	889,536	3,110,464

SCHEDULES FORMING PART OF THE BALANCE SHEET

Particulars	Rs.	31.03.2011 Rs.	Rs.	31.03.2010 Rs.
TBIU - MCIT FUNDS				
Opening Balance	262,788		(159,512)	
Add: Additions During the Year	329,796		422,300	
	592,584		262,788	
Less: Utilised During the Year	-	592,584	-	262,788
TIDE FUNDS - LOAN ACCOUNT				
Opening Balance	-		-	
Add: Additions During the Year	1,867,000		-	
	1,867,000		-	
Less: Utilised During the Year	1,000,000	867,000	-	-
TBIU - FUNDS (INTEREST ON SEED LOAN)				
Opening Balance	181,080		156,357	
Add: Additions During the Year	10,788		24,723	
	191,868		181,080	
Less: Utilised During the Year	-	191,868	-	181,080
TBIU - FUNDS (3% ROYALTY)				
Opening Balance	1,082,381		799,323	
Add: Additions During the Year	427,783		283,058	
	1,510,164		1,082,381	
Less: Utilised During the Year	-	1,510,164	-	1,082,381
TBIU - FUNDS (MAINTENANCE CHARGES)				
Opening Balance	640,373		640,373	
Add: Additions During the Year	-		-	
	640,373		640,373	
Less: Utilised During the Year	-	640,373	-	640,373
TBIU - FUNDS (LOAN ACCOUNT)				
Opening Balance	2,677,288		2,677,288	
Add: Additions During the Year	-		-	
	2,677,288		2,677,288	
Less: Utilised During the Year	-	2,677,288	-	2,677,288
MSME - INNOVATOR'S CONTRIBUTION				
Opening Balance	-		-	
Add: Additions During the Year	20,500		-	
	20,500		-	
Less: Utilised During the Year	-	20,500	-	-
TBIU - Synergy - Security Deposit		100,000		
TBIU-FUNDS (SHARES BUY-BACK/DEFERRED LOAN)				
Opening Balance	2,545,929		2,456,755	
Add: Additions During the Year	360,250		89,174	
	2,906,179		2,545,929	
Less: Utilised During the Year	-	2,906,179	-	2,545,929
		43,343,299		40,818,197

SCHEDULES FORMING PART OF THE BALANCE SHEET

3: FIXED ASSETS											
S.No.	Asset	Rate	Gross Block				Depreciation			Net Block	
			As on 1.4.2010	Additions in 2010-2011	Reduction in 2010-2011	Total	Upto 1.4.2010	For the Year	Total	As on 31.03.2011	As on 31.03.2010
1	Computers	60%	2,214,437	-	4,550	2,209,887	2,107,395	61,495	2,168,890	40,997	107,042
2	Furniture Et Fixtures	10%	1,569,606	-	1,020	1,568,586	1,215,051	35,354	1,250,405	318,181	354,555
3	Air Conditioners	15%	443,970	-	-	443,970	364,558	11,912	376,470	67,500	79,412
4	Photocopier	15%	203,175	-	-	203,175	196,460	1,007	197,467	5,708	6,715
5	Projector	15%	22,960	-	-	22,960	22,628	50	22,678	282	332
6	Office Equipments	15%	962,701	14,856	5,520	972,037	752,557	32,922	785,479	186,558	210,144
7	FITT Extn. Office	10%	232,000	-	-	232,000	120,108	11,189	131,297	100,703	111,892
8	TBIU Office Module	10%	620,000	-	-	620,000	320,979	29,902	350,881	269,119	299,021
9	TBIU - Synergybldg	0%	-	11,282,443	-	11,282,443	-	-	-	11,282,443	-
	TOTAL		6,368,849	11,297,299	11,090	17,555,058	5,099,736	183,831	5,283,567	12,271,491	1,169,113

SCHEDULES FORMING PART OF THE BALANCE SHEET

Particulars	Rs.	31.03.2011 Rs.	Rs.	31.03.2010 Rs.
4: INVESTMENTS				
Deposits With Scheduled Bank		220,350,000		185,350,000
Rbi Bonds		12,500,000		37,500,000
		232,850,000		222,850,000
5: CURRENT ASSETS, LOANS AND ADVANCES				
BALANCE WITH SCHEDULED BANK				
Canara Bank		586,193		7,358,000
Sbi		514,824		2,090,419
Sbi Fcra Account		1,391,215		3,439,870
Tax Deducted At Source		8,487,629		7,869,129
Development Support		42,702		39,568
Security Deposit		4,087		14,087
Staff Advance		48,346		57,387
		11,074,996		20,868,460

SCHEDULES FORMING PART OF THE BALANCE SHEET

Particulars	31.03.2011 Rs.	31.03.2010 Rs.
6: CURRENT LIABILITIES		
Projects Balance		
Opening Balance	127,326,062	82,005,367
Add: Receipts During the Year	161,961,580	161,984,046
	289,287,642	243,989,413
Less: Project Advance	1,825,230	1,243,050
Less: Utilised During the Year	165,621,268	116,663,351
	121,841,144	126,083,012
7: INTEREST		
Interest on Banks Deposits / Bonds	16,157,963	17,148,432
Interest on Savings Account	485,448	542,262
	16,643,411	17,690,694
8: PROJECT & CONSULTANCY INCOME		
FITT Overhead Charges		
From Projects	4,392,817	4,033,974
Seminar / Workshops / Hrd Prog	1,237,777	1,022,003
Royalty Income	291,476	129,425
	5,922,070	5,185,402
9: ADMINISTRATIVE EXPENSES		
Communication	129,880	131,026
Professional Fees	115,000	55,000
Books & Periodicals	3,404	1,515
Printing & Stationery	20,610	43,405
Conveyance	3,925	1,230
Seminar & Meeting Expenses	28,679	29,491
Travelling Expenses	108,838	22,108
Contingent Expenses	127,996	49,115
Repair & Maintenance	94,838	119,884
Audit Fees	-	15,000
Office Rent	526,848	526,848
Membership & Subscription	12,000	12,000
Bank Charges	11,543	11,232
Electricity Charges	173,884	111,775
	1,357,445	1,129,629
10: RESEARCH & DEVT. EXPENSES		
Development Support	-	39,184
TBIU Account	200,614	291,868
	200,614	331,052

11. NOTES ON ACCOUNTS

1. SIGNIFICANT ACCOUNTING POLICIES

i) Accounting Convention

The Financial Statements are prepared under the Historical Cost Convention.

ii) Method of Accounting

All accounts are maintained on cash basis. Interest income is accounted for on receipt basis consistently.

iii) Fixed Assets And Depreciation

Fixed assets are valued at cost and Depreciation on fixed assets is provided on Written Down Value method in accordance with the rates and provisions of the Income Tax , 1961.

iv) Revenue Recognition

Income on projects undertaken is recognized on the completion of the project.

Income from Consultancy, Seminars, Retainerships etc. is recognised on rendering of the service and receipt of the fees.

v) Investments

Investments are valued at cost.

2. Equipment purchased for the project becomes the property of the IIT(D) on the conclusion of the project as per FITT's " Guidelines for handling consultancy proposals".
3. The foundation spent a sum of Rs.1,14,97,913/- during the current year, charged to Research & Development Expenses and Fixed Assets, out of the funds accumulated as per resolution No. 25/GC-27/2006 dated 28.07.2006 for Rs.45,92,691/-, No. 26/GC-29/2007 dated 29.08.2007 for Rs.38,19,994/- and No. 27/GC-31/2008 dated 12.09.2008 for Rs. 70,77,020/-, in terms of the provisions of the Income Tax Act, 1961.
4. Previous year's figures have been regrouped/reclassified wherever considered necessary to make them comparable with those of the current year.

As per our attached Report of even date

Sd/-
Pankaj Agarwal
Partner
M No. 086877
FRN: 04186N

Sd/-
K.K. Roy
(Manager Administration)

Sd/-
Anil Wali
(Managing Director)

As per our attached Report of even date

Place: New Delhi
Dated: 23-9-2011

Sd/-
for NEERAJ AGRAWAL & CO.
Chartered Accountants

GLIMPSES OF OUR INTERACTIONS





Foundation for Innovation and Technology Transfer

Indian Institute of Technology, Delhi
Hauz Khas, New Delhi -110016