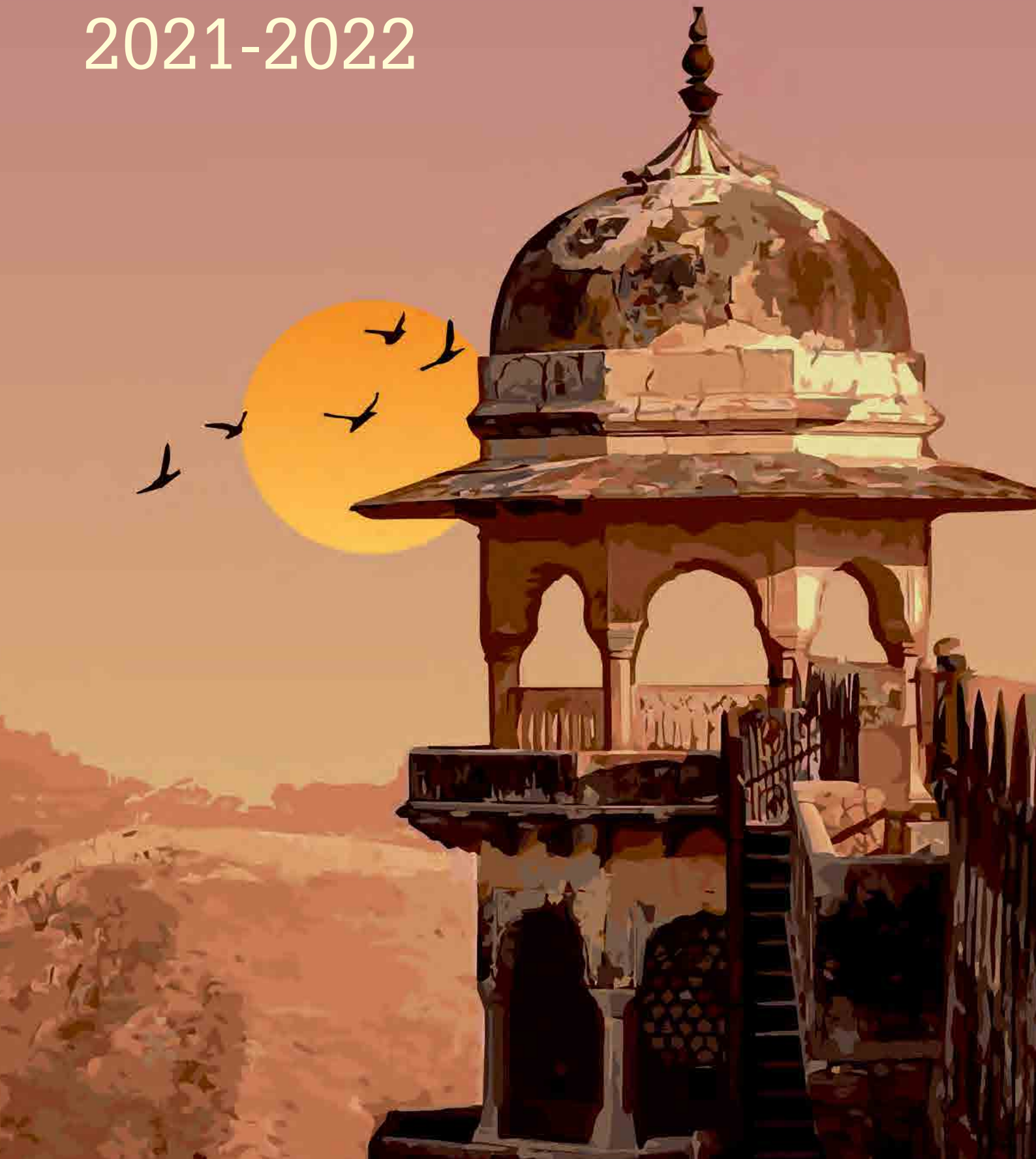
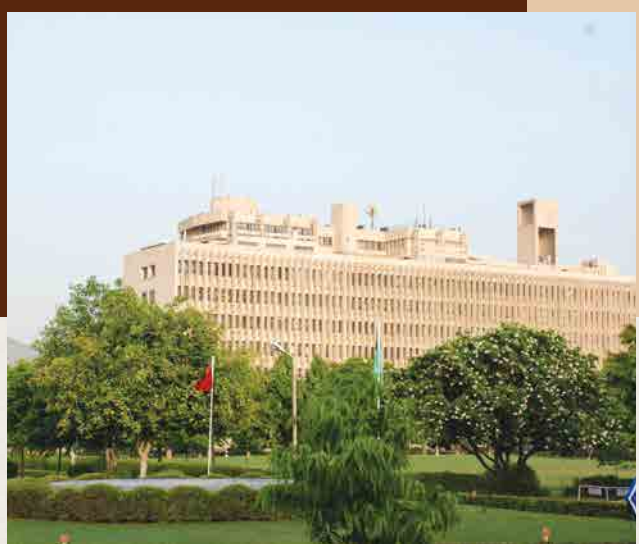
Foundation for Innovation &
Technology Transfer

ANNUAL REPORT 2021-2022



What's Inside?



Director's Report

The Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi is a pioneering technology transfer organisation from academia in the country. Interestingly, while IIT Delhi is celebrating its sixty successful years, FITT has completed thirty years of action-packed operation.

The constantly evolving relationship between industry and academia largely determines FITT's approach in shaping its outreach activities for regional economic development. Over a wide canvas, FITT is significantly able to contribute much more than just efficient delivery of services.

Since its inception, FITT is actively involved in building industry partnerships, enabling R&D programs, technology licensing, innovations programs etc. This is also mandated by the charter of the Foundation to transfer technology and inspire industrial orientation in teaching and research. FITT provides a greater number of opportunities to the academic community with flexible and convenient formats for external engagement. FITT's newsletters and bulletins articulate the best innovation stories from IIT Delhi and showcase Institute's expertise, knowledgebase, and infrastructure as well as other opportunities towards research collaborations.

Our Foundation believes in strong cooperation between the Government, Academia, and Industry for creation of effective policy tools and forming strategies and R&D plans for addressing major challenges faced by the country. Directed research and innovation programs can lead to impactful solutions in the important areas of healthcare, manufacturing, infrastructure, cleanliness, water, energy, public systems etc. FITT plays an important role in exploiting the research capability at IIT Delhi by creating effective channels for outreach. FITT provides superior program management services and is steadily increasing its operational landscape which, while encouraging, is challenging it to attain higher levels of effectiveness and success in its stated mission.

FITT has helped the Institute in the filing of more than 1200 patents and is actively working on several licensing deals. More than 180 technologies have been commercialized till date. The Technology Business Incubation program at the campus has provided incubation residence to over 150 start-up companies out of which more than 50 startups are presently resident at our incubators. FITT is a designated nodal agency for administering several Government support programs of DST, DBT, MeitY, and MSME. Besides, several corporates like Pfizer India, Sona Comstar, Grid Controller of India Ltd., Samsung etc. are working in collaboration with FITT towards supporting the innovation and incubation programs on the campus.

To further encompass the innovation value chain, FITT is now operating a Research & Innovation Park at the Institute's Delhi campus to deepen industry engagement, enhance Research translation and significantly augment the startup ecosystem. Besides establishing the Atal Incubation Centre (AIC) at the Institute's Sonipat campus, operating a technology transfer program (i-TTO) under the National Biopharma Mission and hosting (at the Institute) a blended finance facility (SAMRIDH) for Covid19 pandemic mediated healthcare intervention in the country, FITT strives to initiate, build, and sustain external partnerships and keeps on strategizing for increased value creation and thus, maintain its special position at IIT Delhi. This successful span of thirty years is an outcome of exemplary cooperation extended by IIT Delhi's faculty colleagues, our corporate and institutional partners, government bodies and all the staff associated with FITT. We take this opportunity to express our gratitude to our stakeholders and wish for their continued support and cooperation.

Anil Wali

Key Activities, Projects and Initiatives

Outreach and Engagements

For nearly three decades now, FITT has been working as the interface organization at the Institute. The evolving relationship between industry and academia has supported knowledge transfer and technology commercialization. The engagement with industry and other organizations is sustained by continued efforts towards various developmental collaborations and other partnership opportunities.

1. FITT facilitates active industry-academia dialogue and enables mutual visits to explore partnership prospects. In pursuance of this goal, industry representatives are regularly invited for presentations, highlighting their priority R&D areas to faculty groups in the Institute, and opportunities for collaborative work with IIT Delhi. Several contract R&D projects and consultancy assignments have been conducted at the Institute under the aegis of FITT. During the year 2021-2022 there have been a number of visits to FITT by senior people from organizations like Samsung, Grid India, MG Motors, Nayara Energy, Havells.
2. Grid Controller of India Ltd formerly know as Power System Operations Corporation Ltd (POSOCO), a government of India enterprise, in association with FITT has been implementing the POSOCO Power System Awards (PPSA) since 2013. PPSA is a part of the CSR initiatives of Grid-India, which aims to reward excellence in the area of power system and its related fields. During the 10th edition of this award, 15 awardees were shortlisted in Doctoral category and 15 candidates in the Master's category. The Doctoral awardees received a cash prize of Rs. 1,00,000.00/- each and the Master awardees received a cash prize of Rs 40,000/- each. This Award ceremony was concluded online at the ICPS 2021 on December 16, 2021.
3. FITT have associated with Pfizer, Atal Innovation Mission, NITI Aayog, Agnii, and Social Alpha to launch the Pfizer INDovation Program to support breakthrough healthcare innovations by startups in India. FITT is the lead incubator partner in this pan-India program that intends to accelerate innovative solutions for oncology and digital health. This program will provide a financial grant of up to INR 65 Lakh for product validation, pilot testing and market access.
4. Sona Comstar, in association with FITT, has launched the Sona-Comstar-IIT Delhi Innovation Program (SCIDIP) for safe, clean and eco-friendly mobility. This is a CSR initiative of Sona Comstar to support the development of innovative solutions from startups in this area with fund support of up to INR 80 lakhs as a grant-in-aid. Five companies have availed of the fund so far.
5. The biannual 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.

6. FITT has registered as a CSR Implementing Agency Hub with National Foundation for Corporate Social Responsibility, IICA, under the ministry of Corporate Affairs. As part of the CSR mandate under Section 135 of the Companies Act 2013, Corporates can associate with FITT to implement projects in relevant technology area and /or fund the technology incubation program at IIT Delhi.
7. The Research and Innovation (R&I) Park of IIT Delhi, administered by FITT, was bestowed with the prestigious Facade Project of the Year Award 2021 by the Construction Week India in December, 2021. The R& I Park is a prominent centre for research and innovation, leading to advanced technology platforms and deep-tech start-ups. The Park is expected to strengthen the techno-entrepreneurship ecosystem and contribute to the regional economic development.
8. The Defence Innovation Organisation has signed an MOU with FITT to foster innovation & technology development in Defence and Aerospace. Under the MoU, FITT is an active partner incubator in the Defence Innovation Organisation's iDEX program where it mentors entrepreneurs and MSMEs to create, deploy and commercialise technologies and products for the Indian military and defence PSUs.

Defence India Startup Challenge – Edition 5

Honourable Defence Minister Shri Rajnath Singh launched the fifth edition of 'Defence India Startup Challenge' on August 19, 2021

9. For the promotion of innovation and entrepreneurship among the graduating students at IIT Delhi, the alumni of the Batch of 1969 have signed an MoU with the Institute to establish an annual award named the "Batch of 1969 Innovation Fellow (Award)". This award is executed and managed by FITT. During the second edition of this award in 2021, Ms. Shubhani Gupta was shortlisted for her project on "Certified Compiler and Deep Scmantic Code Analyzer based on AI techniques"

10. Centre of Excellence - Process Safety & Risk Management - A Centre of Excellence (CoE) focusing on Process Safety & Risk Management has been set up at IIT Delhi under the aegis of FITT. Gexon India, the pioneering company in the field of safety and risk management, is the knowledge partner for the CoE, while Nayara Energy Limited Mumbai, a downstream petroleum company of international scale, is the Industry Partner. The CoE is being established at the R&I Park at the Hauz Khas campus. Broadly, the CoE shall, inter alia, focus on: (1) Enabling scientific and industrial R&D collaborations; (2) Conducting courses/ training programs focusing on process safety; (3) Working closely with Indian Regulatory Bodies; (4) Developing expertise in forensic audits of accidents; (5) Building a strong pool of experts and knowledge engineers, etc.

11. SAMRIDH Healthcare Blended Financing Facility - SAMRIDH (Sustainable Access to Markets and Resources for Innovative Delivery of Healthcare) is a Blended Finance Facility that is focused on scaling high-potential healthcare innovations with a $100+ million fund raised from the private sector and development funders. It is a collaborative initiative supported by the U.S. Agency for International Development (USAID) wherein IIT Delhi is the hosting entity for the grant pool and FITT is acting as the nodal agency for program management and implementation. This program will help innovators and entrepreneurs in their efforts to improve healthcare delivery in India.

National Health Authority (NHA) and IIT Delhi have joined hands to strengthen India's response to the COVID-19 crisis and preparedness for emerging healthcare needs through SAMRIDH program; MoU signed on August 10, 2021

Technology and Consultancy

Scientific and technological advancement is an important catalytic factor in industrial development and economic progress. An indicator of such programs is the creation of intellectual property and the IPRs. The Institute encourages protection of intellectual assets to foster innovation and create opportunities for wealth creation. FITT facilitates and manages the Institute IPR activities. It receives information, carries out analysis and due diligence and processes the invention disclosures for formal registration as patents, designs etc. Bulk of actual filings, though are outsourced to the professional attorney firms. However, of late, select IP registrations or IP investments has been taken up in association with specialist firms like Intellectual Ventures. During the FY 2021-2022, 148 IPR Applications were filed at FITT. Some of them are listed in Appendix-I (Page 21).

FITT is mandated to transfer technologies developed at IITD for commercialization. During 2021-2022, 11 technology transfer deals were signed at FITT (as given in Appendix-II-Page 26). However, FITT is working on a few more technologies for transfer.

FITT entered into a license agreement with Pune-based SVR InfoTech on March 7, 2022, for RoboAnalyser software, educational software for learning robotics fun and effective.

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 IIT Delhi faculty and FITT has facilitated in their effective execution. This activity has been growing over the years. During the financial year 2021-2022, 124 technology development and transfer projects worth Rs. 29.64 crores have been contracted at FITT. Some of the development projects undertaken during 2021-2022 are mentioned in Appendix III (Page 26).

Innovation and Enterprise

A. FITT is responsible for operating the Incubation Facilities at the Institute campuses.

i) The Technology Business Incubation Unit(TBIU) primarily aims to 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 work station or a prototype laboratory within the campus, with the purpose of:

Promoting interaction with, and technology/ expertise resourcing from the members of academic staff and research scholars of the Institute, and 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.

ii) The Biotechnology Business Incubator Facility (BBIF) has also been established by FITT, facilitates specialized equipments, experimental facilities IP guidance, market linkages etc to the bio-tech start-ups.

iii) The AIC IIT Delhi Sonipat Innovation Foundation, a Section 8 company, created by FITT and IIT Delhi at the I-TEC, IIT Delhi Sonipat Campus, under the Atal Innovation Mission (AIM) of the NITI AAYOG, has created an incubation facility with over 10,000 sq. ft. of space and state-of-the-art physical infrastructure, in terms of capital equipment and operating facilities for start-ups.

B. Some innovation and incubation support programs for FY 2021-2022 are mentioned below:

» FITT has been implementing BIRAC's SPARSH- the Social Innovation programme for Products: Affordable and Relevant to Societal Health. This program aims to promote and develop innovative solutions to society's most pressing social problems. Under this program, early-stage innovators are provided with a 6-month immersion and a monthly fellowship of Rs. 50,000/- along with technical support. The fellows also receive a mini kick start grant of Rs 5 lakhs upon finalising the problem statements that they plan to address.

» 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. As a nodal agency, FITT administers the "Technology Incubation and Development of Entrepreneurs" (TIDE 2.0) program of – the Ministry of Electronics and Information Technology (MietY) – for strengthening technology start-ups in selected areas of national concern by leveraging emerging technologies.

» The Department of Biotechnology, Government of India has selected FITT as one of the eight BIG Partners in the country under a novel program called Biotechnology Ignition Grant (BIG) Scheme to support start-ups and scientist entrepreneurs from research institutions towards commercialization of research resultants by providing early stage grants for development and maturation of their discoveries/inventions into marketable products. The BIG scheme is designed to

establish and validate proof-of-concept and enable creation of spin-offs. During the last financial year the 19th call for proposal commenced from August 1, 2021 and ended on September 15, 2021 and the 20th call started from January 1, 2022 and closed on 15th February 2022.

» The Deferred Placement Policy (DPP) offered by IIT Delhi is being implemented by FITT for students who opt out of placement in order to inculcate their start-up idea. A student must opt for deferred placement in the final semester of the pre-final year and is eligible to sit for placement after two years if their start-up is not successful. Selected innovative ideas are eligible for incubation at the TBIU. In the year 2021-2022, six applicants have been shortlisted under DPP.

FITT, in partnership with BIRAC and TISS, hosted BIRAC's SPARSH Graduation Day and Investors' Meet at the Research and Innovation Park, IIT Delhi, on March 22, 2022

» FITT, in collaboration with the Department of Science and Technology (DST), Government of India, have launched the REWOLUTION-DST NIDHI accelerator program for women entrepreneurs and innovators with funding support of Rs 15 lakhs.

» Startup India Seed Fund Scheme (SISFS) is launched with the purpose to provide capital assistance to startups for PoC, prototype development, product trials, market entry and commercialization. The support shall enable these startups to achieve a stage where they will be able to raise investments from early-stage investors or VCs or seek debts from banks or other financial institutions.

» To help strengthen the climate innovation landscape for women entrepeneurs, UNDP, ReNew Power and FITT have jointly launched an integrated entrepreneurship development platform called the Women Climate Champions: Impact Aim SDG5 Accelerator Programme. The program is supporting 6 women climate entrepreneurs with a range of services including tailor made 1:1 mentoring sessions with senior sector experts; followed by strategic peer learning and capacity building activities. As a special offering, the selected entrepreneurs will also be guided on Sustainable Development Goals (SDG) aligned impact scale up strategies.

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. The administration and management of the incubation units is vested with FITT, yet, an institute level empowered committee (known as TBIU Board) overseas the programme. The Board as on March 31, 2022, comprised of:

TBIU Board

Prof. Rangan Banerjee Director, IIT Delhi **Chairman**	**Prof. S. G. Deshmukh** DD(O), IIT Delhi **Member**	**Prof. A. K. Ganguly** DD (S&P), IIT Delhi **Member**
Prof. S.K. Khare Dean (R&D), IITD **Member**	**Prof. J. T. Shahu** (Dean Infrastructure) IIT Delhi **Member**	**Mr. Kiran Deshmukh** Group CTO, Sona Comstar **Member**
Dr. A. Gupta Head NEB Division, DST **Member**	**Sh. M. Kumar** Founder, Social Alpha **Member**	**Dr. Anil Wali** MD, FITT **Member**

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

C. During the last financial year, 52 start-ups were supported by FITT. These companies are working in the technology domains of IT, Biotechnology, Engineering design, Cleantech etc. Here are some of our start-ups (Promoters/Faculty) and innovators resident at our incubators during FY 2021-2022:

1. **HyperX Energy Pvt Ltd**
   (Prof. B. Singh, Prof. S. Singh & Prof. S. Hegde and Mr. Raman Sharma, CEO)
   This startups has developed an Advanced Technology based Electric Performance motorcycle embedded with assistive intelligence. Besides designing and developing different components that are crucial parts of the electric vehicles , the company is also providing some components and solutions to the industries for the electric vehicles. This startup was resident at the at the incubator from July 2018 to March 2022.

2. **Botlab Corporation Pvt Ltd**
   (Mr T Bunkar, Prof. R Chatterjee, PHY)
   Botlab is into development of Unmanned Aerial Vehicles (UAVs) for aerial inspection and temperature profiling. The company was resident in the TBIU from July, 2016 to June, 2021. While focusing on industry grade (UAVs) having sensing and imaging capabilities for various kind of application across industries, the startup focussed on three features - stability, endurance and networking of multiple UAVs.

3. **Kriya Labs Pvt Ltd**
   (Prof. N Singh, CBME ; Mr A Kumar)
   Kriya Labs is into the development of products and processes to produce affordable, high-quality and eco-friendly value added products from waste natural materials/ fibres. This start-up was resident at the incubator from December, 2017 to July, 2021.

4. **CYRAN AI Solutions Pvt Ltd**
   (Prof. M Suri, EE)
   CYRAN aims to build advanced hardware-software technology solutions in the domains of AI based Cyber Physical Security. The team have recently won the "Raksha Mantri Award for Execellence in Aerospace & Defence 2021-2022.
   This deep-tech start-up have earlier launched BUDDHI (Build Understand Design Deploy Human-like Intelligence) which is world's first do-it-yourself (DIY) AI (Artificial Intelligence) kit. The startup is incubated with us since September, 2018.

5. **Stellargene Technologies Pvt Ltd**
   (Prof. S Sapra, Chemistry & Dr. Aparna K Sapra)
   Stellargene is working on a novel, cost effective diagnostic test for non-invasive prenatal testing. This startup has been resident at the TBIU from March, 2019.

6. **Ramja Technologies**
   (Prof. H Singh, CBME; Dr. Pooja Goswami)
   This startup is working on a novel device to detect gram-negative bacterial infection and antibiotic resistance in patients with acute leukemia. Ramja is incubated at the BBIF from February, 2019.

7. **Nanosafe Solutions**
(Prof. M Joshi, TFE; Dr. A Roy)
This startup has entered the incubator from January, 2019 and working on nanotechnology based products for improving quality of human life. Founded by Dr. Anasuya Roy and Prof. Mangala Joshi Nanosafe has successfully engineered "Aqcure" brand within 3 months of its incorporation. This startup offers a range of products namely, RubSafe sanitizer, NSafe masks.

8. **Nable IT Consultancy Services Pvt Ltd**
(Prof. T Gandhi, EE and Mr Rajiv Sodhi)
This startup is incubated at the TBIU since October 2019 and is currently working on machine learning, artificial intelligence and IT consulting services.

9. **Aerogram**
(Prof. R Sen, CSE and Dr. S Ahlawat)
Aerogram, is incubated since August 2019 and is devising a network to predict real time air quality in a local mapped area. The designed device is equipped to monitor multiple pollutants.

10. **Quanteon Powertrain Pvt Ltd**
(Prof. B Singh, EE ; Commander Ramesh Lakra (Retd) and Commander KV Narsimham (Retd)
This startup is currently into designing of axial-flux motors including with high-regenerative braking capability for electric vehicles. They are resident at the TBIU since November 2019.

11. **Trydan Clean Tech Pvt Ltd**
(Prof. BK Panigrahi, EE ; S Jain and M Kansal)
Trydan has been residing at our incubator since November 2019. This startup is into designing of dashboard integrated with powertrain electronics for electric vehicles.

12. **Tinkertech Laboratories Pvt Ltd**
(Prof. PVM Rao, DOD; MA Lavakare and S Kumar)
Tinkertech is incubated at the TBIU from Novemebr 2019 and is currently working on TranscribeGlass with closed captions from any source on a transparent display in your field of vision.

13. **Medicfibers Pvt Ltd**
(Prof. B Kumar, TFE and Mr V Harsh Lal)
Incubated since October 2019 Medicfibers is a technology-driven startup dealing in proprietary antiviral and antimicrobial chemicals as well as textile solutions.

14. **Vecros Technologies Pvt Ltd**
(Prof. S Bhasin, EE; Mr Besta Prem Sai)
Incubated at the TBIU since January 2020, Vecros is a robotics company, venturing into new market of providing software management solutions to fleet of robots for inspection and other applications.

15. **AINS PeopleTech Pvt Ltd**
(Prof. SK Saha,ME ; Prof. N Chatterjee, Maths; A Mukherjee and S Goel)
AINS is currently incubated with TBIU from January, 2020 working in DAMLAIB – Data Analytics, Machine Learning, Artificial Intelligence along with block chain technology that are expected to be used to develop the technology further.

16. DV2JS Innovations
(Prof. M Sarkar, EE; Mr V Dalimia)
This startup is working on remotely piloted airborne vehicles under the mentorship of Prof. Sarkar since January, 2020.

17. Geliose Mobility Private Limited
(Prof. D Dasgupta, ME; Mr Aditya Tiyagi)
The startup is in the area of developing an electric vehicle ecosystem to support public transport. They have launched Hope a budget friendly electric vehicle in March, 2021. Geliose is resident at SRI since June, 2019

18. Reconstructive Healthcare Solutions Pvt Ltd
(Prof. P M Pandey, ME; Dr. R Pathak)
Resident at the BBIF since December 2019, this startups is in the area of fabrication of patients specific facial rehabilitation system with regenerative capability.

19. Machphy Solutions Pvt Ltd
(Prof. R Ramswamy, Chy; Mr P Rout)
Machphy was resident in the SRI from April, 2019 to March, 2021 and worked on development of cryo-cool for biotech cold chain.

20. Gitan Biocare Pvt Ltd
(Prof. Suresh Neelakantan, DMSE; Mr Rohit Khanna)
Gitan Biocare is incubated at the BBIF since November 2019 and is into development of a new generation of wear resistant and reliable artificial joints using our proprietary processing methods. They are focused on products for interdisciplinary medical and defense applications.

21. Betterhealth Technologies
(Prof. N Chaterjee, Maths; Mr Vikas Soni)
This company is in democratizing the healthcare products through tech and AI enabled dispensers. Incubated since April, 2019 this startup is designing and marketing AI/tech enabled dispensers that will dispense medicinal products and cater to corporate, NGO, cinemas, hotels, institutions segments.

22. Sicuremi Healthcare Technologies Private Limited
(Dr. T Gupta , Founder & CEO)
Incubated in the BBIF since January 2021 under the Pfizer Innovation and IP Program, Sicuremi is working on build non-invasive risk assessment scores for cardiovascular event by tracking changes in "Retinal Microvasculature" obtained from OCTA images via computer vision & deep learning

23. Osteoskill India Private Limited
(Prof. A Mehndiratta, CBME; SK Pathak)
This startup is incubated at the BBIF since February, 2021 and is currently working on knowledgeable/credible solution provider using cutting edge 3D-Technology and modern manufacturing providing optimal patient matching medical devices like implants, cutting guides and organ models(for surgical planning or education).

24. Creatara Mobility Pvt Ltd
(Prof. BK Panigrahi, CART; Mr Vikas Gupta & Mr Ringo Pamaie)
This company is incubated at the TBIU since January, 2021 and is working on smart electrical two-wheeler EV.

25. Carditek Medical Devices Pvt Ltd
(Prof. D Kalyanasundaram, CBME; Dr. Sugandi Gopal)

The startup is incubated at Chandrashekhar Bhawan since March, 2021 and currently working on a wireless compact wearable ECG device with active capacitance sensors, medically equivalent with real time monitoring and multi usage additionally, in high frequency ECGs.

26. FABIOSYS Innovation Pvt Ltd
(Prof. S Mukhopadhyay, TFE ; Mr Yatee Gupta)

This startups is incubated at the TBIU since May 2019 and is developing affordable high-performance medical textile which destroys ~ 99.9% of the bacteria and viruses within 30 minutes.

27. ETEX Healthcare Pvt Ltd
(Prof. B Kumar, TFE)

This startup is incubated the since September 2019 and is developing smart textile solutions for healthcare. ETEX which develops smart textile solutions for healthcare. During the panademic this startup had launched a cheap and effective facemask for protection against Covid-19.

28. Tadpole Projects Pvt Ltd
(Mohd. Jawad Khan)

This startup is incubated since July 2021 and is focused on providing affordable clean energy conveyance solutions to masses focusing on waste management and power efficiency at the same time.

Some Individual Innovators Resident at the Incubator are as mentioned below:

- Jagdish Gupta Kapuganti
- KJ Mukherjee

Professional Development Programmes

Professional Candidate Registration (PCR) program has been adopted towards extending the academic courses at the Institute, amongst the targeted segments of industry, research and academic establishments. Through this unique program, suitably qualified professionals can undertake relevant semester-long course modules here at IIT Delhi, to augment their knowledgebase and skill set. PCR program promises good capacity building potential in the targeted Delhi NCR region.

Global Internship Program

Since the year 2012, FITT has been offering a Global Internship Program in Engineering Design and Innovation to students and professionally qualified engineers. The program runs throughout the year and provides training in project planning, requirements analysis, specification generation, design iteration management, team work and ethics, behaviour management, team building, group etiquette and communication skills. Apart from a full set of technology modules, it also uses specially designed training modules in ethics, history through heritage sensitization / heritage walks and lessons from mythology to teach culturally-conscious and effective engineering practices.

Corporate Membership

The key endeavour of FITT is to have a formal and effective relationship with its industry partners on a mutually supportive basis. As a mechanism to formalize this relationship, FITT offers corporate membership to industry, industry associations and industrial research institutions on the payment of nominal annual fees.

Corporate members receive information about Institute programmes and other opportunities for collaboration regularly. In addition, they enjoy a variety of complimentary services and opportunities for partnership. Appendix-IV (Page 30) lists some of our corporate members.

FITT Awards

Foundation for Innovation and Technology Transfer (FITT) has instituted FITT awards, one each for Ph.D. and M.Tech. /M.S. project adjudged as the best Industry Relevant Projects. Ms. Rashi Agarwal was awarded with FITT award for her PhD Thesis "Nanosurface modification of polyester fabrics for moisture management". In the M.S. (R) Project category, Mr. Vardan Saxena was awarded for his thesis, "Development of Intelligent Control Techniques for Standalone and Grid-Interfaced Solar PV Energy Conversion Systems".

Recognition

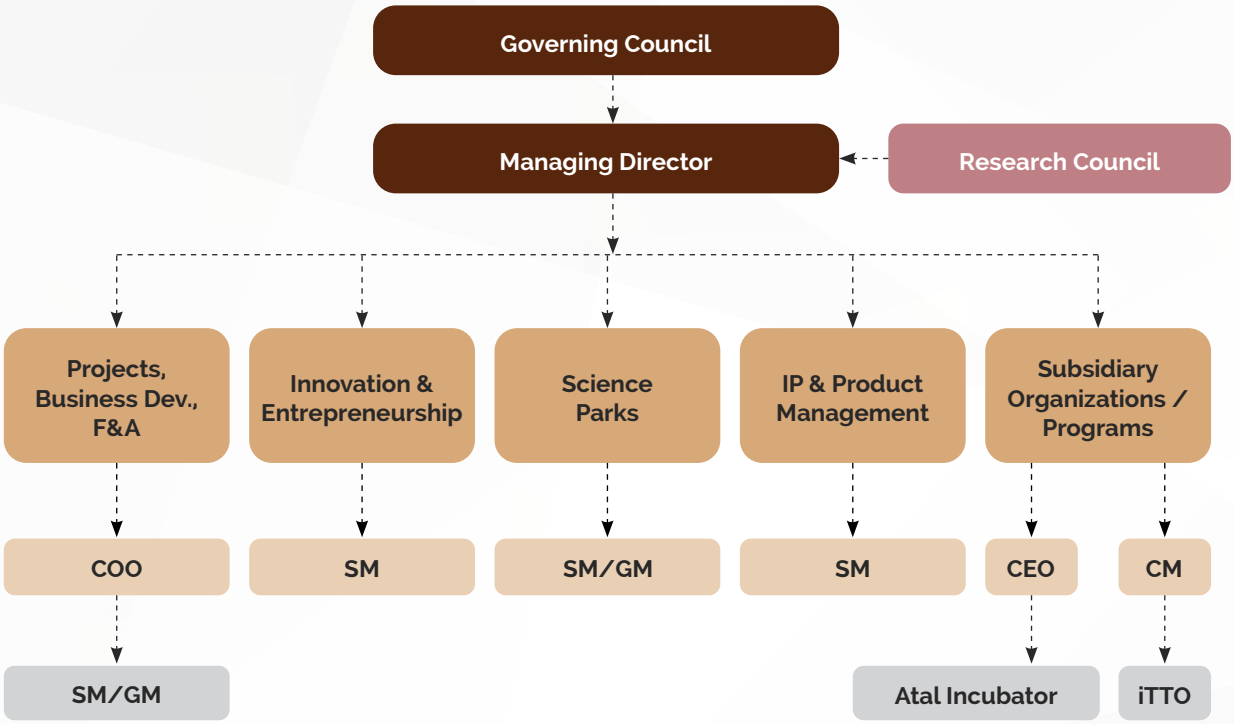
FITT is recognized (by DSIR) as Scientific and Industrial Research Organization (SIRO). As a SIRO, FITT is eligible for full custom duty exemption for import of capital goods, raw materials and technology know-how that are required for execution of R&D programmes. FITT also functions as the recognized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

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.

FITT Organization Chart



COO : Chief Operating Officer | **GM** : General Manager | **SM** : Senior Manager | **CM** : Chief Manager
iTTO : Innovation Technology Transfer Office

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 (A, B & 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 of FITT (as on 31st March, 2022)

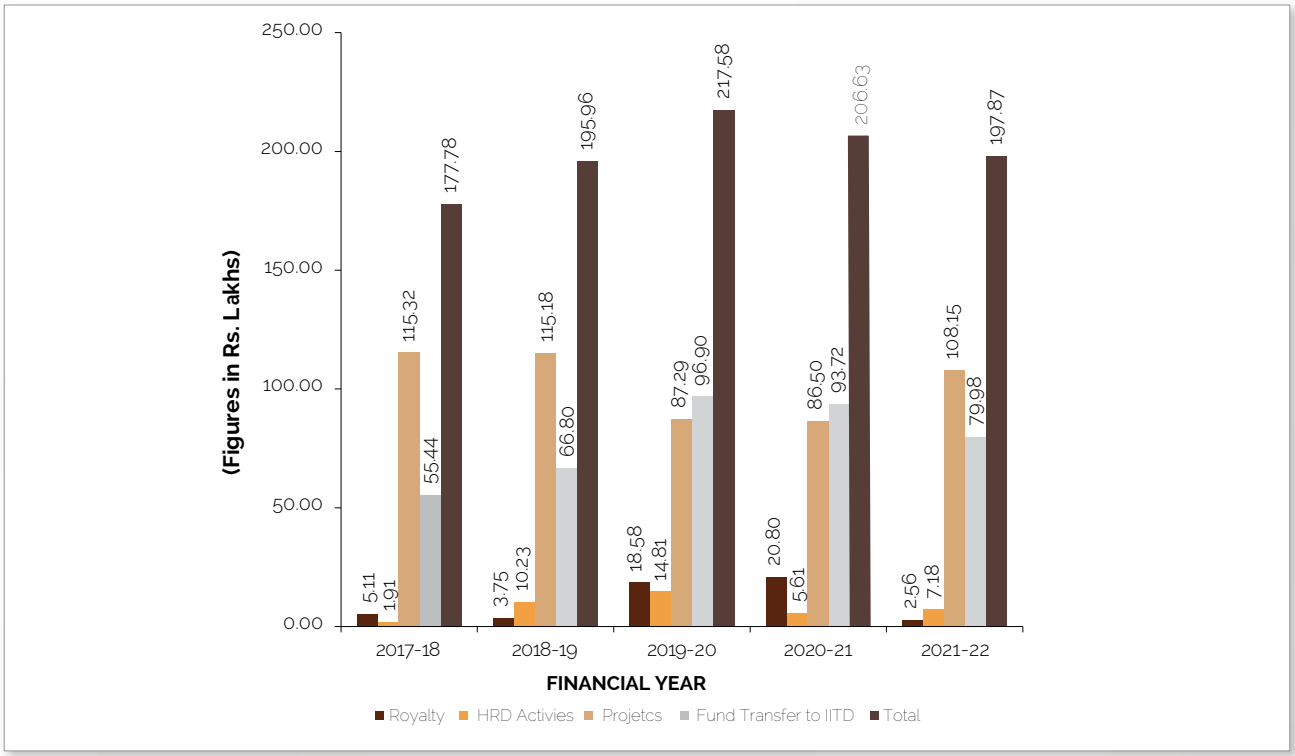
Prof. Rangan Banerjee Director, IITD Chairman (Ex-officio)	**Mr. Sumant Sinha** Chairperson & CEO, ReNew Power Ltd (Nominee of BOG, IIT Delhi) Member	**Prof. S. K. Khare** Dean (R&D), IIT Delhi Member (Ex-officio)
Prof. A.K. Agrawal TFE, IITD Member	**Prof. N. Bhatnagar** ME, IIT Delhi Member	**Prof. A. S. Rathore** CHEME IIT Delhi Member
Mr. Prashant Agarwal Director (IITs), MHRD Member	**Prof. S. Kohli** ME, IIT Delhi Member	**Mr. K. Ullas Kamath** Chair, FICCI Karnataka State Council Member
Mr. Nishant Arya ED, JBM Group Member	**Ms. Ashima Agarwal** Director, Cosmos Diagnostics LLP Member	**Mr. Munish Dayal** Sr. Partner, Baring Pvt. Equity Member
Ms. Paula Mariwala Founder, Stanford Angles & Entrepreneurs Member	**Mr. A Panwar** Creditas Solutions Pvt. Ltd. Member	**Dr. A. Wali** MD, FITT Member-Secretary (Ex-officio)

Research Council (as on 31st March, 2022)

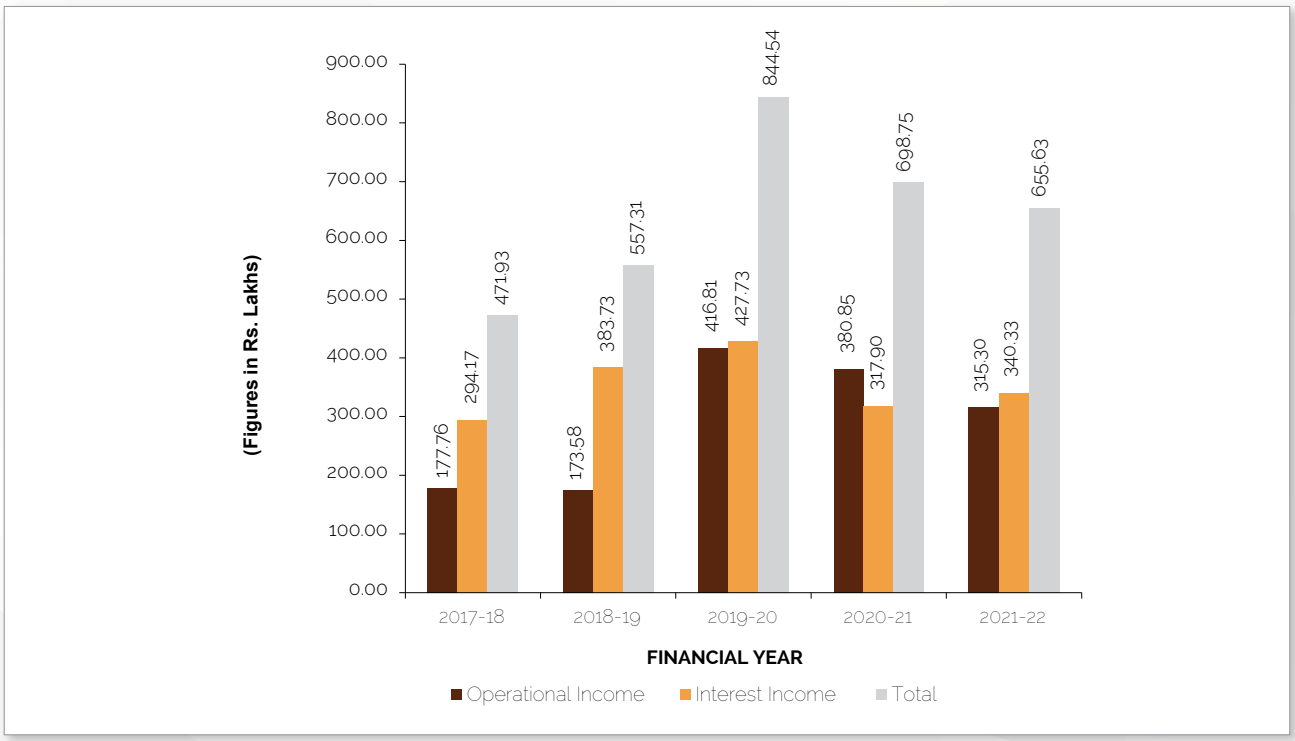
Dr. A. Wali MD, FITT Chairman (Ex-officio)	**Prof. R. Khosa** CE, IIT Delhi Member	**Prof. A. N. Bhaskarwar** CHEME, IIT Delhi Member
Prof. A. K. Ghosh DMSE, IIT Delhi Member	**Prof. K. Khare** Physics, IIT Delhi Member	**Prof. A. Kumar** CARE, IIT Delhi Member
Dr. K. Saha CTO, Samsung Research Institute Member	**Mr. S. Banerjee** MD, UOP India Pvt Ltd Member	**Mr. D. Sekhon** CEO, KritiKal Solutions Pvt Ltd Member
Mr. A. Das Executive Director, CII Member	**Mr. N. Saxena** Dy. Secretary General, FICCI Member	**President** IITD Alumni Association Ex-officio
Secretary IITD Alumni Association Ex-officio	**Col. Naveen Gopal (Retd.)** COO, FITT Member-Secretary (Ex-officio)	

Financial Highlights

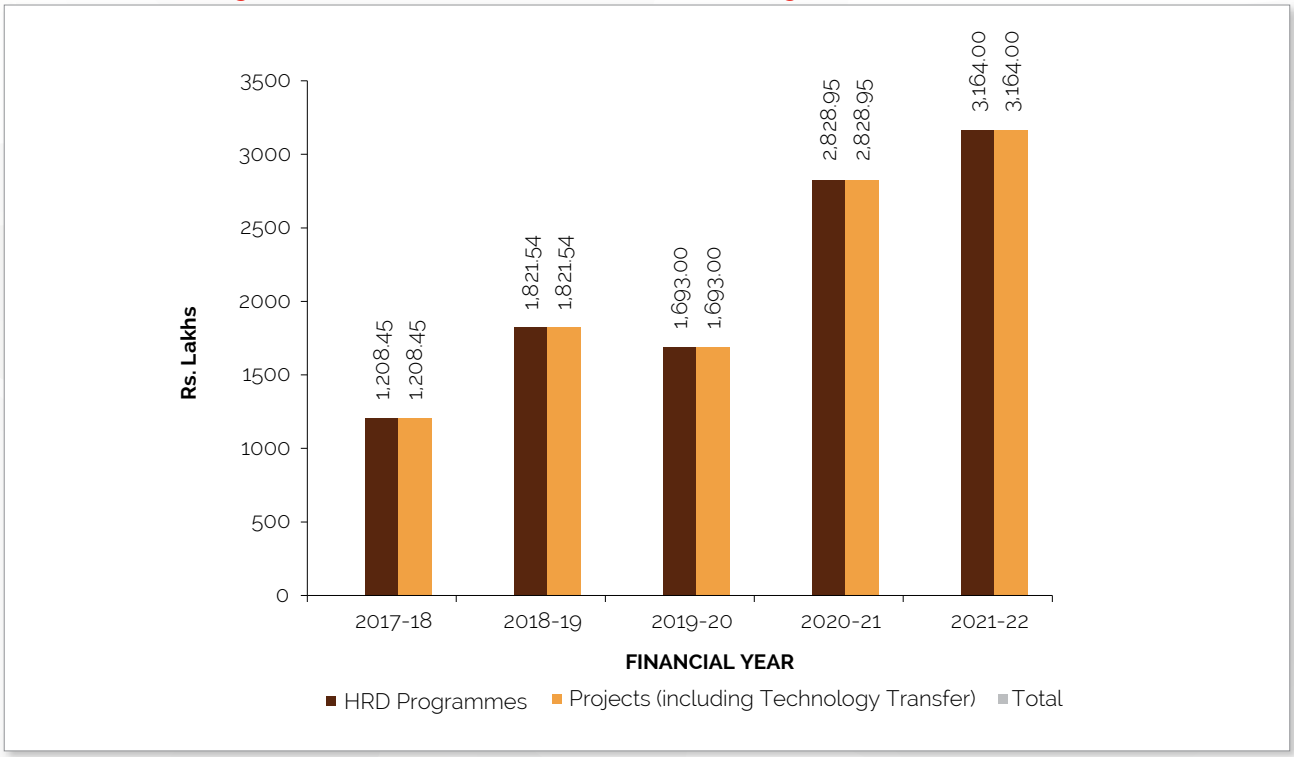
Resource Generation for FITT & IIT Delhi



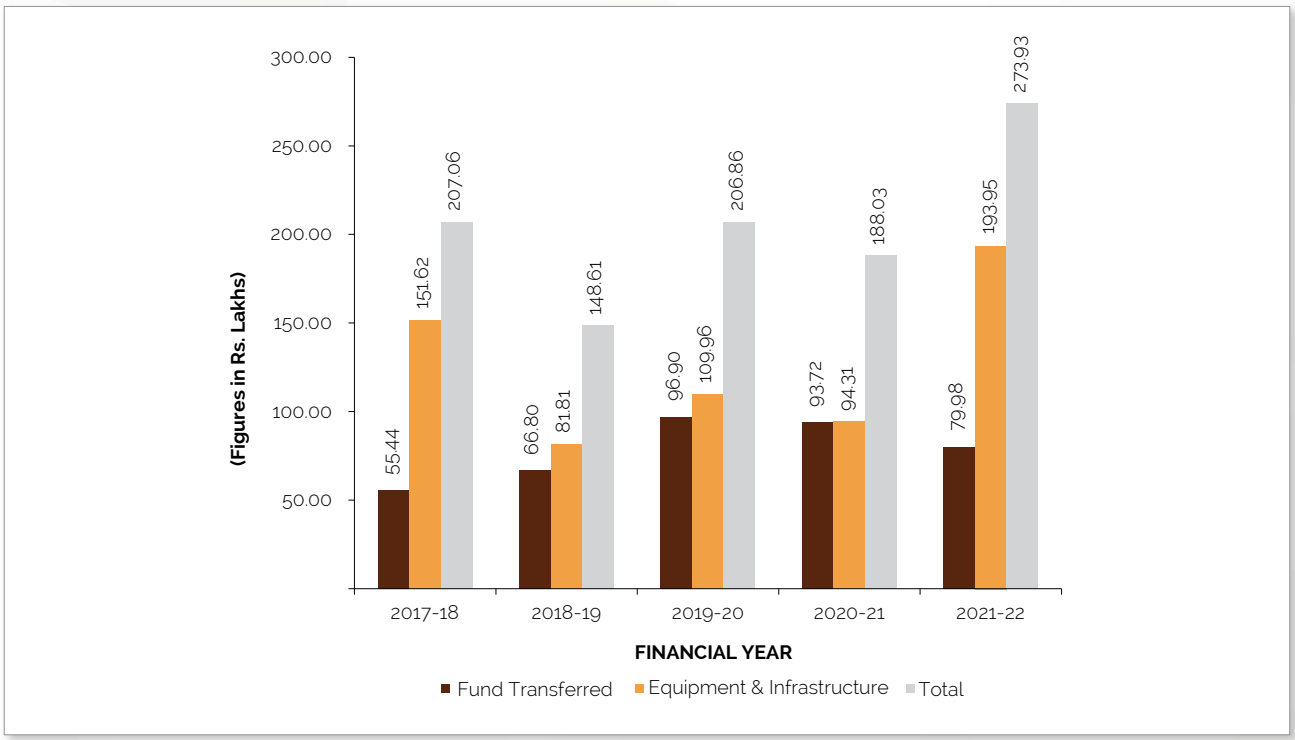
Income Profile of FITT



Value of Major Activities Undertaken By FITT



Assets Generated for IIT DELHI



Appendix - I

Some IPR Applications filed during the Financial Year 2021-2022

Sr. No.	TITLE	PI	DEPT/ CENTRES/ SCHOOLS
1	A cellular artificial skin substitute & method of preparation thereof	Prof. V Koul	CBME
2	A nanoparticle based chromogenic regent and preparation method, methods, and kits for semi- quantitative	Prof. H Singh	CBME
3	Apparatus and method for determining mechanical and acoustic properties of geomaterial contacts	Prof. P Vangla	CE
4	A hybrid power system for continuous power supply to base transceiver station	Prof. TC Kandpal	DESE
5	Implementation of AC-DC charging of electric vehicles (EVs) from distributed microgrids based on solar wind battery and fuel cell sources	Prof. B Singh	EE
6	A single current sensor-based phase current reconstruction of four-phase switched reluctance motor	Prof. B Singh	EE
7	3-dimensional tracking and navigation simulator for neuro-endoscopy	Prof. C Arora	CSE
8	Printable vanadium oxide (V_2O_5) ink	Prof. M Singh	EE
9	A chelating compound and method of preparation thereof	Prof. J Jacob	DMSE
10	A fluid flow measurement apparatus	Prof. SN Singh	AM
11	Tunable microwave photonic bandpass filter using the mach-zehnder interferometer and stimulated brillouin scattering	Prof. A Choudhary	EE
12	Photonic generation of multiband dual or cross lfm waveform with bandwidth doubling using a single dual-drive mach-zehnder modulator	Prof. A Choudhary	EE
13	System and method for personalizing first person games using egocentric gait transfer	Prof. C Arora	CSE
14	A process for sequestering of metal ion impurities from triethyl borate	Prof. KK Pant	CHEME
15	An integrated fog-computing based hybrid AI-ML method and system for enhancing user experience towards tourism	Prof. A K Kar	DMSE
16	Grid-interactive solar PV-battery-wind microgrid and control method thereof	Prof. B Singh	EE
17	System for rehabilitation of a limb of a patient	Prof. A Mehndiratta	CBME
18	System and method for detecting characteristics of an embossed surface of a sheet	Prof. K Khare	PHY
19	System for rehabilitation of a limb of a patient	Prof. A Mehndiratta	CBME
20	Memory device and method for performing computing operations within memory device	Prof. M Suri	EE
21	Wound rotor induction machine drive unit	Prof. AK Jain	EE
22	A wind-solar photovoltaic-battery energy storage based hybrid AC/ DC microgrid and an operation thereof	Prof. B Singh	EE
23	Field-effect transistor device and a method of fabrication thereof	Prof. S Das	CART
24	System for synchronizing a three-phase single stage solar assembly with a power grid	Prof. B Singh	EE

Sr. No.	TITLE	PI	DEPT/ CENTRES/ SCHOOLS
25	Single phase single stage isolated bidirectional converter for DC link capacitor reduction	Prof. B Singh	EE
26	An improved ventilation exhaust fan	Prof. B Singh	EE
27	Process for producing recombinant human paraoxonase 1 protein	Prof. TK Chaudhari	KSBS
28	System for wind based electric power generation, storage and uninterrupted distribution under normal and faulty powergrid conditions	Prof. B Singh	EE
29	Mechanical position/speed sensorless multiport switched reluctance motor drive for a solar irrigation pump	Prof. B Singh	EE
30	Primers sets, kit and applications thereof	Prof. V Perumal	KSBS
31	A single-phase residential solar photovoltaic system with grid synchronization	Prof. B Singh	EE
32	A combined tension and compression split hopkinson pressure bar for high strain rate material testing	Prof. N Bhatnagar	ME
33	Process for preparation of non-fluorinated hydrocarbon based surfactants	Prof. B Gupta	TFE
34	Method for vacuum packaging of mems sensors using pore filled getter	Prof. B Mitra	EE
35	System and method for providing energy management in communication network	Prof. S De	EE
36	Solid oxide electrochemical cell with cathode as metal oxides and fabrication process thereof	Prof. S Basu	CHEME
37	Liquid crystal-based electrically driven multidirectional laser beam steering device	Prof. A Sinha	PHY
38	Microreactor with permeable electrodes for pure hydrogen generation	Prof. S Basu	CHEME
39	Homogenous mixing and controlled ejection of mixtures of particulate matter	Prof. S Jha	ME
40	Novel activation function with hardware realization for recurrent neuromorphic networks	Prof. M Suri	EE
41	Enhanced brightness solution-processed inorganic ABX3 perovskite leds using a PEG-PVP additive	Prof. M Singh	EE
42	Microfluidic analyser for in-vitro biosensing and diagnostics	Prof. R Elengovan	DBEB
43	Resins for application on textiles	Prof. A K Agrawal	TFE
44	Framework for quantitative penumbra estimation from swi-mri in patients with acute stroke	Prof. A Singh	CBME
45	Development of a method for simultaneous reduction of nitrogen oxides and hydrocarbon emissions from an internal combustion engine	Prof. D Bhatia	CHEME
46	Single DC source based three phase high resolution multilevel inverter system and its method thereof	Prof. SK Chattopadhyay	DESE
47	Printed circuit board antenna and method of designing thereof	Prof. SK Koul	CARE
48	High efficiency DC-AC converter topology	Prof. SS Nag	EE
49	Process for developing inoculum and fungal mycelial biomass of calocybe indica	Prof. S Sharma	CRDT

Sr. No.	TITLE	PI	DEPT/ CENTRES/ SCHOOLS
50	Cycloadduct product and a process for its synthesis thereof	Prof. RP Singh	CHY
51	Switched reluctance motor for energy efficient industrial exhaust fan	Prof. B Singh	EE
52	A sensorless speed control system for submersible induction motor	Prof. B Singh	EE
53	Three-dimensional storage medium and a method for thermal management based on low power state	Prof. PR Panda	CSR
54	A process for preparation of a biocomposite material	Prof. D Das	TFE
55	A Method For Selecting Multi-Access Edge Computing Host (MECH) and a system thereof	Prof. H Saran	CSE
56	A system facilitating health monitoring and a method thereof	Prof. VM Chariar	crDT
57	A system for anonymizing camera wearer's identity in an egocentric video and a method thereof	Prof. C Arora	CRDT
58	Buckling inhibited aluminium shear yielding damper	Prof. Dr. Sahoo	CE
59	Dual sensitive polymeric nanoparticles	Prof. N Singh	CBME
60	Polymer coated metal particles and synthesis method thereof	Prof. K Manna	CHY
61	A method and an apparatus for wireless information and energy transfer using distributed beamformin	Prof. S De	EE
62	A system for controlling solar PV arrays	Prof. B Singh	EE
63	A Photo-bioreactor with closed recirculation of fluid for simultaneous cultivation of photosynthetic micro-organisms and conservation of nutrients and a method thereof	Prof. A Malik	CRDT
64	A method for allocating channels for LDPC codes and a system thereof	Prof. A Dixit	EE
65	An article and method thereof	Prof. NN Gosvami	DMSE
66	Reusable panty liner	Prof. S Paldas	DOD
67	Resusable sanitary napkin	Prof. S Paldas	DOD
68	Personal wear absorbent article	Prof. S Paldas	DOD
69	At Assistech	Prof. PVM Rao	DOD
70	A wind powered energy generating system and method thereof	Prof. B Singh	EE
71	A microgrid control framework for preventing power blackouts	Prof. B Singh	EE
72	Pollution monitoring system and method thereof	Prof. S Chatterjee	EE
73	System and method for optimizing data transmission in a communication network	Prof. S De	EE
74	A system for optimizing energy transmission and a method thereof	Prof. S Chatterjee	EE
75	A method and system of particle image velocimetry	Prof. MR Cholemari	AM
76	System and method for making electro-conductive fabric	Prof. D Das	TFE
77	A hybrid water pumping system	Prof. B Singh	EE
78	An apparatus for developing ceramic coating and a method thereof	Prof. D Kumar	CART
79	3-D storage medium and method providing thermal management	Prof. PR Panda	CSE
80	Mobile system for processing organic waste matter	Prof. VM Chariar	CRDT
81	Biomass cooking stoves	Prof. SK Tyagi	DESE
82	A system for monitoring and control of chromatography	Prof. AS Rathore	CHEME
83	Novel ph responsive biodegradable polyesters	Prof. J Jacob	DMSE

Sr. No.	TITLE	PI	DEPT/ CENTRES/ SCHOOLS
84	An automated instrument and microfluidic chip for improved and rapid testing of nucleic acid	Prof. SK Jha	CBME
85	A single phase grid interactive synchronous reluctance motor driven multipurpose and multifunctional solar water pump	Prof. B Singh	EE
86	Eco-friendly and copper free friction materials, brake pads and shoes	Prof. J Bijwe	ITMMEC
87	A system and method for detecting, tracking and classification of activity of a subject	Prof. SK Koul	CARE
88	Gripper to grasp object by internal surface interaction	Prof. JP Khatait	ME
89	Transglutaminase nanoflowers	Prof. SK Khare	CHY
90	A retrofitted smart energy metering device, method and a system thereof	Prof. BK Panigrahi	EE
91	An intelligent supervisory ev charging architecture to enable continuous charging with grid intermittency	Prof. B Singh	EE
92	Moving car pollution detection device	Prof. SH Kota	CE
93	Surge tank based system for automated operation and control of continuous biopharmaceutical manufacturing	Prof. AS Rathore	CHEME
94	Method in blockchain systems for fast stabilization increased responsiveness	Prof. VJ Rebeiro	CSE
95	For a turbine based low-cost ventilator/hi-flow nasal cannula	Prof. PVM Rao	DOD
96	A novel peptidomimetic compound-based inhibition of dialysis related beta-2-microglobulin amyloidosis	Prof. TK Chaudhari	KSBS
97	A hybrid powered air conditioning system	Prof. S Mishra	EE
98	Biomarkers, kit and applications thereof	Prof. B Kundu	KSBS
99	Bimetallic graphitic carbon nitride for photoelectrode and preparation method thereof	Prof. AN Bhaskarwar	CHEME
100	Cytocompatible and infection-resistant polymeric scaffolds and methods thereof	Prof. S Saha	DMSE
101	System for enhancing driving range of a light electric vehicle based on synchronous reluctance motor	Prof. B Singh	EE
102	Shoulder implant	Prof. D Kalyanasundaram	CBME
103	A system for modulating a brushless DC motor and its method of operation thereof	Prof. B Singh	EE
104	A method for semi-active vibration control of structures	Prof. V Matsagar	CE
105	A porous catalyst composition and processes thereof	Prof. KK Pant	CHEME
106	Hybrid oxygen system using passive and active systems	Prof. D Bhatia	CHEME
107	Process for de-laminating flexible multilayer laminates	Prof. J Jain	DMSE
108	Appliances control devices	Prof. A Verma	DESE
109	Process for producing fluoropolymers using 2-alkoxyacetate surfactants	Prof. B Gupta	TFE
110	Metal-organic framework catalysts, method for preparation thereof and process of direct oxidation using the same	Prof. K Manna	CHY
111	System and method for improving stereo vision accuracy	Prof. SR Sarangi	CSE

Sr. No.	TITLE	PI	DEPT/ CENTRES/ SCHOOLS
112	Sub-terahertz apparatus and method for subsurface malignant tissue imaging	Prof. S K Koul	CARE
113	Croam on,crime off	Prof. L Kumar	EE
114	Croam	Prof. L Kumar	EE
115	B-reporter	Prof. L Kumar	EE
116	B-reporter logo	Prof. L Kumar	EE
117	My news, my report	Prof. L Kumar	EE
118	Compiler-operation in a computing system and method thereof	Prof. S Bansal	CSE
119	C-type magnet topology for a permanent magnet brushless DC motor	Prof. B Singh	EE
120	A structure of frequency selective surface for multiband spatial filtering and broadband polarization conversion	Prof. SK Koul	CARE
121	Method of designing windows and doors and system thereof	Prof. NMA Krishnan	CE
122	A wind, solar, DG and BES based isolated microgrid with coordinated control for remote regions	Prof. B Singh	EE
123	Process for producing fluoropolymers using 2-alkoxyacetate surfactants	Prof. B Gupta	TFE
124	Orthopedic screw	Prof. D Kalyanasundaram	CBME
125	Human heel surrogate for barefoot slip risk assessment	Prof. A Chandra	CBME
126	Electrochemical preparation method for vanadium electrolyte and its application thereof	Prof. A Verma	CHEME
127	Single tower with mirror reflection	Prof. DS Mehta	PHY
128	Double tower with mirror reflection	Prof. DS Mehta	PHY
129	Triple tower with mirror reflection	Prof. DS Mehta	PHY
130	Base for mechanical tracking solar tower	Prof. DS Mehta	PHY
131	A field-portable optical microscopic imaging device for air quality monitoring of pm 2.5 and pm10 and its method of implementation thereof	Prof. DS Mehta	PHY
132	Smart multivariate data compression system and method thereof	Prof. S De	EE
133	Multivariate data compression system and method thereof	Prof. S De	EE
134	Polarization insensitive metamaterial enabled multiband absorber	Prof. SK Koul	CARE
135	A multi-metallic adsorbent for removing mercury (hg) from gas streams	Prof. D Bhatia	CHEME
136	Grid interfaced solar photovoltaic system facilitating automatic protection	Prof. B Singh	EE
137	Electric three wheeler vehicle	Prof. B Singh	EE
138	Circumferentially distributed interior permanent magnet synchronous motor	Prof. B Singh	EE
139	Computational camera with extended field of view	Prof. K Khare	PHY
140	Membrane-less two-phase flow microfluidic electrolysis cell - fuel cell tandem operation	Prof. S Basu	CHEME
141	Ultrasonic-vibrations aided double-disc chemical-assisted magnetorheological finishing process	Prof. PM Pandey	ME
142	Islanded solar PV-BES DG set for remote areas	Prof. B Singh	EE

Appendix - II

Some Technology Licenses executed during 2021-2022

Sr. No.	Technology Title	PI	Dept/ Centre/ School
1	Rapid Antigen test for detection of Covid 19 (2019-nCoV)	Prof. H Singh	CBME
2	Development of Low Volume Sampler for monitoring heavy metals in ambient air	Prof. DS Mehta	PHY
3	High-Efficiency Solar Tower Based Photo-voltaic System	Prof. DS Mehta	PHY
4	Fiber-optic probe based label-free auto-fluorescence imaging and spectroscopy in-conjunction with Raman spectroscopy for fast screening and diagnosis of breast cancer	Prof. DS Mehta	PHY
5	Rapid Antigen test for detection of Covid 19 (2019-nCoV)	Prof. H Singh	CBME
6	Decontamination Spray for Fabric	Prof. BS Butola	TFE
7	Nutra Beverages	Prof. SN Naik	CRDT
8	Bio Gas Technology	Prof. VK Vijay	CRDT
9	Reusable Sanitary Napkin	Prof. S Paldas	DOD
10	RoboAnalyzer	Prof. SK Saha	ME
11	Cellulosic faric with pollution absorbing characteristics	Prof. AK Agrawal	TFE

Appendix - III

Some Investigative / Development Projects undertaken at FITT during FY 2021-22

Sr. No.	Project Title	PI	Dept/Centre/ School
1	Hydrologic study of Mahanadi Basin: Hirakund reservoir Operation policy framework and real time Hirakund Researvoir inflow forecasting	Prof. R Khosa	CE
2	Design & Development of advanced Li/ion battery pack for the E-rickshaw	Prof. S Singh	DOD
3	Development of simulation model for CDI water purification module	Prof. A Verma	CHEME
4	Technical evaluation and opinion on 240 cc piston accumulator used in the assembly of AMT – Automated Manual Transmission	Prof. S Jha	ME
5	Feasibility study for establishing Centre of Excellence for Road Safety at HQ DGBR	Prof. G Tiwari	TRIPP
6	Strategies for reduction of fluoro surfactant in PTFE Aq. Dispersion	Prof. SK Pattanayek	CHEME
7	Computer graphics and animation advising for augmented reality	Prof. R Narain	CSE
8	Development of SDG-2 dashboard	Prof. NB Bolia	ME
9	Expert opinion regarding traffic regulation through junction beneath a flyover at Bengali Square in Indore City	Prof. G Tiwari	TRIPP
10	Solving the virtual try-on problem for online retail fashion	Prof. V Ramamohan	ME

Sr. No.	Project Title	PI	Dept/Centre/ School
11	Advise related to patent	Prof. A Ramanan	CHY
12	Hierarchical Information Processing for context detection	Prof. K Paul	CSE
13	Image reconstruction for online articulate imaging system	Prof. K Khare	PHY
14	Technical guidance on anaerobic digestion system of rice straw	Prof. R Chandra	CRDT
15	Analyzing problems associated with recombinant expression and improving product qualilty	Prof. KJ Mukherjee	DBEB
16	Sulphide/Sulphur removal from carbide plant waste water (Lagoon/ Decanter outlet)	Prof. S Upadhyaylu	CHEME
17	Study of post-consumer beverage packaging waste management in India exploring suitable tools to facilitate high end recycling	Prof. J Jain	DMSE
18	Analysis followed by laboratory & field trials in deep storage technologies	Prof. AK Jain	EE
19	Development of electric drives for various applications	Prof. AK Jain	EE
20	Corning AFR Reserch for transport effectes and novel applications (Phase-II)	Prof. S Roy	CHEME
21	Studys on use of higher ethanol fraction in commercial gasoline vehicles using special conversion kits	Prof. PMV Subbarao	CART
22	Development of treatment technology to mitigate AMR in the environment	Prof. SZ Ahammad	DBEB
23	Testing protocol and standards for estimation of PCR content in product	Prof. L Nebhani	DMSE
24	Aluminum-ion battery development	Prof. A Verma	CHEME
25	A comparative study on the oerformance of products respectively made of primary and secondary-Cu	Prof. S Neelakantan	DMSE
26	Equity working group iGST	Prof. A Sagar	SOPP
27	COP26-Visions for a net-zero future	Prof. A Sagar	SOPP
28	Characterization of BR0 samples	Prof. P Mahajan	AM
29	Consultation visit to RSPL facility	Prof. A Rawat	TFE
30	Technical analysis & vetting of the estimate of construction of 33/11 KV sub-station in Vill-Nagla charandas Phase-2, Noida	Prof. S Mishra	EE
31	Equity working group iGST	Prof. A Sagar	SOPP
32	Avatar based immersive video calling - video conferencing using landline	Prof. B Lall	Bharti School
33	Techmical support for monitotoring and implemantation of transport polices for improving traffic safety and bus system in NCTD	Prof. G Tiwari	TRIPP
34	Analysis of BRPLs distibution networks loss levels (Voltage level wise) & suggested measures for loss reduction (Non-economic loss) in BRPL	Prof. S Mishra	EE
35	Smart Pharmacy Oprations	Prof. V Ramamohan	ME
36	Impact assessment of Atal Tikering Labs implemented by IBM	Prof. J Kumar	DOD
37	Assessment of plant condition of 300 KLD capacity, based on sequential batch reactor (SBR) technology	Prof. V Kumar	CRDT
38	Tribo-performance analysis of alto passenger brake-pads	Prof. J Bijwe	CART
39	Designing and characterization of copper/cotton yard and fabrie samples for compression products	Prof. B Kumar	TFE

Sr. No.	Project Title	PI	Dept/Centre/ School
40	Design, development and trial of contents of a course "social entrepreneurship"	Prof. VM Chariar	CRDT
41	Independent Opinion report on Lithium ion & Lithium ion Polymer cells	Prof. A Gupta	ME
42	Development of CQD based SWIR Photo Derectors	Prof. S Sapra	Chemistry
43	Tests on Couplers	Prof. P Mahajan	AM
44	Evaluation of cellulosic fabrics with pollution absorbing characteristic	Prof. AK Agarwal	TT
45	Design Improvement & Prototype Development of Seal Used for LPG Cylinder by IOCL	Prof. MR Ravi	ME
46	Design and development of a pyrolsis reactor for processing RWA waste for biochar production	Prof. P Kaushal	CRDT
47	Social aware recommendations for E-commerce 2.0	Prof. S Ranu	SOAI
48	Process development to remove sizing agents on armaid fabric laminate	Prof. J Bijwe	CART
49	Investigations on selected friction materials analysis	Prof. J Bijwe	CART
50	Preparation of porous cellulose nitrate membranes	Prof. BP Tripathi	DMSE
51	Polyester Synthesis	Prof. BP Tripathi	DMSE
52	Development of electoral media knowledge repository indexing & mining system (DIMS) using Big Data Analytics for IIIDEM	Prof. N Chatterjee	MATHS
53	Developing a hybrid air quality monitoring networking in Indore to support NCAP activities	Prof. S Dey	CAS
54	Designing and development of higher performance fabric for National Flag	Prof. B Kumar	TFE
55	Advancing research on deep generative models for unknown distributions	Prof. Prathosh A P	EE
56	Development of technology for replacement of currently used phenolic resin in friction paper manufacturing	Prof. J Bijwe	CART
57	Development of a novel low-cost Al alloy from primary route with better performance than ADC12	Prof. J Jain	DMSE
58	Design and Development of camera system for biomedical applications	Prof. M Sarkar	EE
59	Towards microscopic investigation of boundary lubrication mechanisms of automotve lubrication additives using in situ scanning probe microscopy	Prof. NN Goswami	DMSE
60	Organo Mimetic Microfludic Clture Platform	Prof. N Singh	CBME
61	Linking physic chemical of calcined clay to performance of LC3	Prof. S Bishnoi	CE
62	Erosive wear studies on the SLB indentified Materials	Prof. D Kumar	CRTD
63	Indian Clothes Wash	Prof. SW Ali	TFE
64	Phase-II: Seamless environmental management system (SENSE) for West Bengal	Prof. S Dey	CAS
65	Drug repurposing in Mycrobacterium tuberculosis targeting its proteome essential for growth and survival	Prof. SE Hasnain	DBEB
66	Identification of functional roles played by uncharacterized members of PE/PPE family of Mycobacterium tuberculosis	Prof. SE Hasnain	DBEB
67	JC Bose Fellowship	Prof. SE Hasnain	DBEB

Sr. No.	Project Title	PI	Dept/Centre/ School
68	Development of silica and nanocarbon aerogel as thin-film thermal insulator with embedded heaters to form new heater system	Prof. J Jacob	DBEB
69	Limestone calcined clay cement technology resource centre (LC3 TRC)	Prof. S Bishnoi	CE
70	Organization of Road Safety Inspection and Discussion of Identified Blackspots-Phase-II	Prof. G Tiwari	TRIPP
71	Lab scale demonstration of technology for manufacturing of low-alocholic food products from mahua flowers	Prof. JK Sahu	CRDT
72	Development a Technical paper on the present status of Assistive Technology (AT) related to various disabilities covering, Gaps, Challenges and Missing Links in SEAR Member States	Prof. PVM Rao	DOD
73	Financial Sanction of the award National Science Chair to Prof. Seyed Ehtesham Hasnsain, DBEB, IIT	Prof. SE Hasnain	DBEB
74	Development of antimicrobial (antibacterial snd antiviral) nanocoating for paper products	Prof. AK Agrawal	TFE
75	Development of OGR Coating for paper products	Prof. AK Agrawal	TFE
76	Biopolymer based nanocomposite coating for high-barrier applications (low water vapor and oxygen tramission rates)	Prof. G Goel	CHEME
77	Continuous data mining, analysis and improvements in the integrated atmospheric closed-loop I-S process set-up in quartz/glass	Prof. S Upadhyayula	CHEME
78	Lab scale demonstration of technology for manufacturing of non-alocholic food products from mahua flowers	Prof. JK Sahu	CRDT
79	A pre-clinical in vivo study for evaluating anti-biofilm FDA approved drugs in reducing treatment duraiton of anti-TB drugs	Prof. D Sundar	DBEB
80	Optimization of food grain distribution in Rajasthan	Prof. N B Bolia	ME
81	Preparation of action on alternate technology for management of wastewater drains for major under the jusrisdiction of NDMC	Prof. V Kumar	CRDT
82	Desulphurization of crude sulphate turpentine oil	Prof. KK Pant	CHEME
83	Analyzing problems associated with recombinant expression and improving product qualilty	Prof. VK Vijay	CRDT
84	Simulation of integrated deployment of EVCI, RE and storage in a building	Prof. D Rakshit	DESE
85	To identify potential Metal-Organic Frameworks (MOFs) for water treatment molecular modelling/simulation studies	Prof. S Bhattacharya	PHY
86	Fatique testing of Lungs	Prof. P Mahajan	AM
87	Design course content "Designing for users with empathy & taking the entrepreneurial route to create impact	Prof. VM Chariar	CRDT
88	Air Pollution audit performance evaluation of concurrent air pollution control system and Impact Assessment of Envirad Medicare Pvt Ltd	Prof. V Kumar	CRDT
89	Service life of TA pins	Prof. P Mahajan	AM
90	Impact assessment of e-skilling on futuristic skills through common service centers under CSR Activity	Prof. J Kumar	DOD

Appendix – IV

Some of our Corporate Members include

- Admiles Aviation
- Araina Enterprises
- Bharti Water
- East India Technologies
- Complete Instrumentation Solutions
- Govardhan Learning Cloud
- RamKishore Chemicals
- Dabur India
- SRF
- Creditas
- Havells India
- BSES Yamuna Power
- JBM Group
- KPL International
- Maruti Suzuki India
- Minda Corporation
- Munjal Showa
- SP Singla Constructions
- Sona Koyo Steering
- Vardhman Textile
- GLF Business School
- Fresenius Kabi Oncology
- Bonanza Consultants
- Campusknot
- Lakshmikumaran & Sridharan
- Nable IT Consultancy
- Cosmos Advanced Diagnostics
- Napino Auto and Electronics
- Academy of Industrial Management
- Security Printing and Minting Corporation of India
- Karma Ecotech Private Limited
- High Performance Textile Pvt Ltd
- Hyper X
- Nektor Engineers & Project Consultants
- Vizara Technologies

Annual Accounts

Foundation for Innovation and Technology Transfer

BALANCE SHEET as at 31st March, 2022

Particulars	SCHEDULE No.	31.03.2022 Rs.	31.03.2022 Rs.	31.03.2021 Rs.	31.03.2021 Rs.
SOURCE OF FUNDS					
1. CORPUS FUNDS					
SEED MONEY			1,62,00,000		1,62,00,000
2. RESERVES AND SURPLUS	1		25,83,41,812		25,41,88,398
3. RESEARCH AND DEVELOPMENT FUND	2		9,56,03,281		9,37,17,445
4. OTHER FUND	3		27,19,64,988		14,88,59,856
			64,21,10,081		**51,29,65,700**
APPLICATION OF FUNDS					
1. FIXED ASSETS	4				
(A) GROSS BLOCK		2,32,21,895		97,01,877	
(B) LESS: DEPRECIATION		18,98,421		12,00,922	
(C) NET BLOCK			2,13,23,475		85,00,955
2. INVESTMENTS	5		59,74,73,862		57,65,88,500
3. Current Assets Loan & Advances	6	68,01,99,932		53,41,88,911	
LESS : CURRENT LIABILITIES	7	65,68,87,187		60,63,12,666	
NET CURRENT ASSETS			2,33,12,745		(7,21,23,755)
			64,21,10,081		51,29,65,700

Notes to the Financial Statements 13

The Schedule Referred to Above Form an Integral Part of the Accounts

As Per our Attached Report of Even Date

For **Gaurav K. Arora & Co**
Chartered Accountants
FRN: 025889N

For Foundation For Innovation and Technology Transfer

GAURAV ARORA
Proprietor
M. No. 519054

Col. Naveen Gopal
(Chief Operating Officer)

Dr. Anil Wali
(Managing Director)

Place: New Delhi
Date:

Foundation for Innovation and Technology Transfer

INCOME AND EXPENDITURE ACCOUNT for the Year Ended 31st March, 2022

Particulars	SCHEDULE	31.03.2022		31.03.2021	
	No.	Rs	Rs	Rs	Rs
INCOME					
Project Development & Technology Receipts	8		29,05,44,389		25,94,80,287
Other Income	9		5,37,79,286		5,85,86,986
			34,43,23,676		**31,80,67,273**
EXPENDITURE					
Project Research & Development Expenses	10		27,88,19,394		24,82,49,355
Establishment Expenses	11		2,39,33,218		1,84,86,383
Information Support Services			3,74,400		2,59,728
Award / Scholarship			1,00,000		1,60,000
Depreciation	4		18,98,421		12,00,922
Administrative Expenses	12		3,50,44,829		2,35,80,866
Grant to IIT for R&D Park					5,00,00,000
			34,01,70,262		**34,19,37,254**
Excess of Income over Expenditure			**41,53,414**		**(2,38,69,981)**

Notes to the Financial Statements 13

The Schedule Referred to Above Form an Integral Part of the Accounts

As Per our Attached Report of Even Date

For **Gaurav K. Arora & Co**
Chartered Accountants
FRN: 025889N

For Foundation For Innovation and Technology Transfer

GAURAV ARORA
Proprietor
M. No. 519054

Col. Naveen Gopal
(Chief Operating Officer)

Dr. Anil Wali
(Managing Director)

Place: New Delhi
Date:

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
1	**RESERVES & SURPLUS**				
	CAPITAL RESERVE		25,55,812		25,55,812
	GENERAL RESERVE		25,16,32,586		27,55,02,567
	EXCESS OF INCOME OVER EXPENDITURE		41,53,414		(2,38,69,981)
			25,83,41,812		**25,41,88,398**
2	**RESEARCH & DEVELOPMENT FUNDS**				
2(i)	FITT PROJECT PROMOTION FUND				
	OPENING BALANCE	1,27,46,037		1,27,46,037	
	ADD : ADDITIONS DURING THE YEAR	1,81,894		-	
		1,29,27,931		1,27,46,037	
	LESS : UTILISED DURING THE YEAR	7,90,729	**1,21,37,202**	-	**1,27,46,037**
2(ii)	FITT CONSULTANT FUND				
	OPENING BALANCE	3,76,90,865		3,28,16,980	
	ADD : ADDITIONS DURING THE YEAR	46,15,104		67,39,040	
		4,23,05,968		3,95,56,020	
	LESS : UTILISED DURING THE YEAR	64,22,992	**3,58,82,976**	18,65,155	**3,76,90,865**
2(iii)	FITT DEPARTMENT DEVELOPMENT FUND				
	OPENING BALANCE	3,74,66,086		3,47,89,982	
	ADD : ADDITIONS DURING THE YEAR	39,13,379		37,27,498	
		4,13,79,465		3,85,17,480	
	LESS : UTILISED DURING THE YEAR	6,73,714	**4,07,05,751**	10,51,394	**3,74,66,086**
2(iv)	CENTRAL ADMINISTRATIVE FUND				
	OPENING BALANCE	34,163		34,163	
	ADD : ADDITIONS DURING THE YEAR	7,39,600		6,43,162	
		7,73,763		6,77,325	
	LESS : UTILISED DURING THE YEAR		**7,73,763**	6,43,162	**34,163**
2(v)	IIT STUDENT WELFARE FUND				
	OPENING BALANCE	94,000		94,000	
	ADD : ADDITIONS DURING THE YEAR	-		-	
		94,000		94,000	
	LESS : UTILISED DURING THE YEAR	-	**94,000**	-	**94,000**
2(vi)	FITT ADMINISTRATIVE FUND				
	OPENING BALANCE	56,86,294		51,61,823	

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
	ADD : ADDITIONS DURING THE YEAR	4,82,084		7,41,801	
		61,68,378		59,03,624	
	LESS : UTILISED DURING THE YEAR	1,58,789	**60,09,589**	2,17,330	**56,86,294**
			9,56,03,281		**9,37,17,445**
3	**OTHER FUND**				
3(i)	TBIU - TIDE SEED FUND REPAYMENT				
	OPENING BALANCE	90,80,991		90,72,364	
	ADD : ADDITIONS DURING THE YEAR	41,19,450		8,627	
		1,32,00,441		90,80,991	
	LESS : UTILISED DURING THE YEAR	23,50,000	**1,08,50,441**	-	**90,80,991**
3(ii)	TBIU - MCIT SEED FUND REPAYMENT				
	OPENING BALANCE	41,93,601		41,93,601	
	ADD : ADDITIONS DURING THE YEAR	2,00,000		-	
		43,93,601		41,93,601	
	LESS : UTILISED DURING THE YEAR	-	**43,93,601**	-	**41,93,601**
3(iii)	TBIU - FUND (3% ROYALTY/SHARES BUY-BACK/DEFERED LOAN)				
	OPENING BALANCE	74,84,973		73,67,876	
	ADD : ADDITIONS DURING THE YEAR	2,44,869		1,17,097	
		77,29,842		74,84,973	
	LESS : UTILISED DURING THE YEAR	-	**77,29,842**	-	**74,84,973**
3(iv)	TDB - SEED FUND REPAYMENT				
	OPENING BALANCE	27,80,857		33,80,857	
	ADD : ADDITIONS DURING THE YEAR	6,00,000		-	
		33,80,857		33,80,857	
	LESS : UTILISED DURING THE YEAR	-	**33,80,857**	6,00,000	**27,80,857**
3(v)	BIRAC- BIG A/C				
	OPENING BALANCE	4,00,20,721		3,14,43,320	
	ADD : ADDITIONS DURING THE YEAR	11,57,132		4,12,46,369	
		4,11,77,853		7,26,89,689	
	LESS : UTILISED DURING THE YEAR	3,13,51,508	**98,26,345**	3,26,68,968	**4,00,20,721**
3(vi)	BIRAC-BBIF-A/C				
	OPENING BALANCE	19,48,988		17,81,002	

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
	ADD : ADDITIONS DURING THE YEAR	-		1,67,986	
		19,48,988		19,48,988	
	LESS : UTILISED DURING THE YEAR	-	**19,48,988**	-	**19,48,988**
3(vii)	DST-NIDHI A/C				
	OPENING BALANCE	3,67,77,112		2,72,41,453	
	ADD : ADDITIONS DURING THE YEAR	12,45,69,562		4,19,71,530	
		16,13,46,673		6,92,12,983	
	LESS : UTILISED DURING THE YEAR	6,56,30,495	**9,57,16,178**	3,24,35,871	**3,67,77,112**
3(viii)	BIRAC SEED FUND A/C	-			
	OPENING BALANCE	74,90,224		46,23,620	
	ADD : ADDITIONS DURING THE YEAR	2,69,43,358		39,09,504	
		3,44,33,582		85,33,124	
	LESS : UTILISED DURING THE YEAR	79,900	**3,43,53,682**	10,42,900	**74,90,224**
3(viii)	GST NETWORK-CSRFUND				
	OPENING BALANCE	6,37,887		6,37,887	
	ADD : ADDITIONS DURING THE YEAR	-		-	
		6,37,887		6,37,887	
	LESS : UTILISED DURING THE YEAR	-	**6,37,887**	-	**6,37,887**
3(ix)	FITT- BIRAC LEAP FUND	-			
	OPENING BALANCE	44,95,500		1,60,00,000	
	ADD : ADDITIONS DURING THE YEAR	-		-	
		44,95,500		1,60,00,000	
	LESS : UTILISED DURING THE YEAR	11,800	**44,83,700**	1,15,04,500	**44,95,500**
3(x)	FITT SPARSH	-			
	OPENING BALANCE	13,33,736		10,00,000	
	ADD : ADDITIONS DURING THE YEAR	70,40,812		20,18,410	
		83,74,548		30,18,410	
	LESS : UTILISED DURING THE YEAR	52,86,043	**30,88,505**	16,84,674	**13,33,736**
3(xi)	FITT TIDE 2.0	-			
	OPENING BALANCE	99,32,584		50,78,584	
	ADD : ADDITIONS DURING THE YEAR	38,50,000		72,40,000	
		1,37,82,584		1,23,18,584	
	LESS : UTILISED DURING THE YEAR	36,70,328	**1,01,12,256**	23,86,000	**99,32,584**

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
3(xii)	INNOVATIONS FOR DEFENCE EXCELLENCE (IDEX)	-			
	OPENING BALANCE	52,28,281		9,86,044	
	ADD : ADDITIONS DURING THE YEAR	-		50,00,000	
		52,28,281		59,86,044	
	LESS : UTILISED DURING THE YEAR	15,89,893	**36,38,388**	7,57,763	**52,28,281**
3(xiii)	HDFC SMARTUP GRANT	-			
	OPENING BALANCE	80,00,000		-	
	ADD : ADDITIONS DURING THE YEAR	-		80,00,000	
		80,00,000		80,00,000	
	LESS : UTILISED DURING THE YEAR	50,00,000	**30,00,000**	-	**80,00,000**
3(ix)	SONA COMSTAR - IITD	-			
	OPENING BALANCE	24,88,161		-	
	ADD : ADDITIONS DURING THE YEAR	1,84,80,000		50,00,000	
		2,09,68,161		50,00,000	
	LESS : UTILISED DURING THE YEAR	44,49,437	**1,65,18,724**	25,11,839	**24,88,161**
3(x)	PHD INCUBATOR	-			
	OPENING BALANCE	69,66,240		-	
	ADD : ADDITIONS DURING THE YEAR	-		69,68,422	
		69,66,240		69,68,422	
	LESS : UTILISED DURING THE YEAR	-	**69,66,240**	2,182	**69,66,240**
3(xi)	COE-PROCESS SAFTEY				
	OPENING BALANCE	-			
	ADD : ADDITIONS DURING THE YEAR	6,00,95,000			
		6,00,95,000			
	LESS : UTILISED DURING THE YEAR	47,75,646	**5,53,19,354**		
			27,19,64,988		**14,88,59,856**

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

SCHEDULE No. 4 : FIXED ASSETS

BLOCK OF ASSETS AS PER THE INCOME TAX ACT, 1961

FITT

Sl. No.	PARTICULARS	RATE	GROSS BLOCK					NET BLOCK	
			WDV as on 01-04-2021	Deletion of assets	Addition of assets > 180 Days	Addition of assets < 180 Days	Total as on 31-03-2022	During the Year 2021-22	WDV as on 31-03-2022
1	COMPUTERS	40%	3,40,118		1,78,188	4,11,684	9,29,990	2,89,659	6,40,331
2	FURNITURE & FIXTURES	10%	10,49,774			1,40,34,025	1,50,83,799	8,06,679	1,42,77,120
3	PRINTER	40%	2,375			23,990	26,365	5,748	20,617
4	INVERTER	15%	29,232				29,232	4,385	24,847
5	AIR CONDITIONERS	15%	1,04,202				1,04,202	15,630	88,572
6	PHOTOCOPIER	15%	37,525				37,525	5,629	31,896
7	PROJECTOR	15%	55				55	8	47
8	OFFICE EQUIPMENTS	15%	2,45,623		29,254	2,799	2,77,676	41,441	2,36,235
9	FITT EXTN. OFFICE	10%	35,114				35,114	3,511	31,603
10	TBIU OFFICE MODULE	10%	93,835				93,835	9,384	84,451
11	TBIU - SYNERGY BLDG	10%	46,95,026				46,95,026	4,69,503	42,25,523
12	SOFTWARE	25%	27,328				27,328	6,832	20,496
13	OFFICE EQUIPMENTS	15%				41,000	41,000	-	41,000
	TOTAL		**66,60,206**	**-**	**2,07,442**	**1,45,13,498**	**2,13,81,146**	**16,58,409**	**1,97,22,737**

Sonepat

Sl. No.	PARTICULARS	RATE	GROSS BLOCK					NET BLOCK	
			WDV as on 01-04-2021	Deletion of assets	Addition of assets > 180 Days	Addition of assets < 180 Days	Total as on 31-03-2022	During the Year 2021-22	WDV as on 31-03-2022
14	ITEC-FURNITURE & FIXTURES	10%	7,22,013				7,22,013	72,201	6,49,812
15	ITEC - OFFICE EQUIPMENTS	15%	11,18,737				11,18,737	1,67,810	9,50,926
	TOTAL		**18,40,750**	**-**	**-**	**-**	**18,40,750**	**2,40,012**	**16,00,738**

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
5	**INVESTMENTS**				
	DEPOSITS WITH SCHEDULED BANK		59,73,88,862		57,65,03,500
	SHARES OF UNLISTED COMPANY		85,000		85,000
			59,74,73,862		**57,65,88,500**
6	**CURRENT ASSETS, LOANS AND ADVANCES**				
	BALANCE WITH SCHEDULED BANK				
	- CANARA BANK	1,23,90,451		88,38,408	
	- SBI -1968	17,03,90,255		13,34,59,441	
	- SBI FCRA ACCOUNT	6,59,11,061		8,20,99,652	
	- SBI - DBT-1376	1,45,32,151		2,92,87,296	
	- SBI-BIGS	2,28,69,067		5,36,43,539	
	- HDFC BANK	7,12,62,605		5,86,40,298	
	- HDFC BANK -BIRAC SEED FUND	5,94,99,081		3,25,55,723	
	- SBI BBIF-1330903	29,77,879		29,77,879	
	- CANARA BANK-1671 (SPARSH)	50,16,858		20,12,749	
	- CANARA BANK-1675 (ITTO)	2,36,15,911		2,87,22,133	
	- CANARA BANK - 1843 (COE)	6,10,30,164			
	- STATE BANK OF INDIA - FCRA (0787)	5,56,90,742			
	- STATE BANK OF INDIA (R&I -0102)	11,94,372			
	- HDFC BANK - I- TECH SONEPAT	36,29,565		77,27,644	
			57,00,10,162		43,99,64,761
	GRANT TO IITD (PrePaid Rent)		5,00,00,000		5,00,00,000
	R&I Park Advance		25,00,000		
	ADVANCE TO VENDOR (R&I)		1,11,764		
	TAX DEDUCTED AT SOURCE (RECEIVABLE)		5,49,33,869		4,15,87,842
	DEVELOPMENT SUPPORT		4,12,670		4,12,670
	SECURITY DEPOSIT		2,01,447		2,19,087
	STAFF ADVANCE		2,98,815		3,68,542
	GST TDS RECEIVABLE		13,90,745		12,06,379
	REIMBURSEMENT FROM AIC-SONIPAT		2,90,900		3,80,070
	IITD REIMBURSEMENTS		49,560		49,560
			68,01,99,932		**53,41,88,911**
7	**CURRENT LIABILITIES**				
7(i)	PROJECT ACCOUNT				
7(ia)	OPENING BALANCE ONGOING PROJECTS	39,27,40,898		28,57,83,929	
	ADD : TRANSFERRED FROM HOLD PROJECT	64,43,655		76,05,249	
	ADD : RECEIPTS DURING THE YEAR	33,68,95,385		38,44,12,555	
		73,60,79,938		67,78,01,734	
	LESS : UTILISED DURING THE YEAR	27,87,54,394		24,81,89,355	

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
	LESS : TRANSFERRED TO INCOME & EXPENDITURE A/C	1,17,89,995		1,12,90,932	
	LESS: TRANSFERRED TO HOLD PROJECT	4,20,50,753		2,55,80,548	
	CLOSING BALANCE ONGOING PROJECTS		**40,34,84,796**		**39,27,40,898**
7(ib)	OPENING BALANCE PROJECT ADVANCE	(1,52,68,960)		(1,08,19,715)	
	ADD : INCREASE IN PROJECT ADVANCE	(2,37,67,480)		(1,11,96,826)	
		(3,90,36,440)		(2,20,16,541)	
	LESS : DECREASE IN PROJECT ADVANCE	(2,26,15,742)		(67,47,581)	
	CLOSING BALANCE OF PROJECTS ADVANCE		**-1,64,20,698**		**(1,52,68,960)**
7(ic)	OPENING BALANCE OF PROJECTS ON HOLD	10,39,57,606		8,59,82,307	
	ADD : INCREASE IN PROJECTS ON HOLD	4,20,50,753		2,55,80,548	
		14,60,08,359		11,15,62,856	
	LESS : DECREASE IN PROJECTS ON HOLD	64,43,655		76,05,249	
	CLOSING BALANCE OF PROJECTS ON HOLD		**13,95,64,704**		**10,39,57,606**
			52,66,28,802		**48,14,29,545**
7(ii)	OTHER CURRENT LIABILITIES				
	OPENING BALANCE OTHER CURRENT LIABILITIES	12,48,83,121		8,72,34,794	
	ADD : INCREASE IN OTHER CURRENT LIABILITIES	65,77,53,092		53,93,26,539	
		78,26,36,213		62,65,61,333	
	LESS : DECREASE IN OTHER CURRENT LIABILITIES	65,23,77,828		50,16,78,212	
	CLOSING BALANCE OTHER CURRENT LIABILITIES		**13,02,58,385**		**12,48,83,121**
	TOTAL[7(ia)+7(ib)+7(ic)+7(ii)]		**65,68,87,187**		**60,63,12,666**
8	**PROJECT DEVELOPMENT & TECHNOLOGY RECEIPTS**				
8(i)	PROJECTS AND DEVELOPMENT FUNDS		**27,87,54,394**		**24,81,89,355**
			27,87,54,394		**24,81,89,355**
8(ii)	SERVICE INCOME FROM PROJECT & DEVELOPMENT FUNDS				
	FITT OVERHEAD CHARGES FROM PROJECTS		1,08,15,979		86,49,999
	SEMINAR/WORKSHOPS/HRD PROG		7,17,968		5,60,623

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
	ROYALTY INCOME		2,56,048		20,80,310
			1,17,89,995		**1,12,90,932**
	TOTAL [8(i)+8(ii)]		**29,05,44,389**		**25,94,80,287**
9	**OTHER INCOME**				
	CORPORATE MEMBERSHIP FEE		1,57,500		80,000
	INEREST ON INCOME TAX REFUND		7,02,272		3,56,190
	INTEREST ON BANKS DEPOSITS / BONDS		2,38,19,182		2,17,43,303
	INTEREST ON SAVINGS ACCOUNT		95,11,517		96,91,153
	FITT BBIF & TBIU OPERATING INCOME		30,37,151		36,11,458
	FITT I-TEC- SONIPAT OPERATING INCOME		1,27,13,820		2,07,47,276
	I-TEC-INCUBATION OPERATING INCOME		7,64,810		10,48,082
	CSR Overhead		19,12,150		12,24,525
	GRANT OF SHARES FROM INCUBATEE COMPANIES		-		85,000
	MISC. INCOME		52,382		-
	CHANDRASHEKHAR BHAWAN-INCUBATION INCOME		2,21,314		-
	DISCOUNT RECEIVABLE		7,964		-
	DIVIDENT INCOME		1,12,500		-
	PROFIT ON SALE OF SHARE		5,450		-
	R&I INCOME		**7,61,274**		-
			5,37,79,286		**5,85,86,986**
10	**PROJECT RESEARCH & DEVELOPMENT EXPENSES**				
	PROJECT RESEARCH & DEVELPOMENT EXPENSE		26,90,69,228		23,64,75,854
	TRANSFERRED TO PROJECT & DEVELOPMENT AT SOURCE		97,50,167		1,17,73,501
			27,88,19,394		**24,82,49,355**
11	**ESTABLISHMENT EXPENSES**				
	EMPLOYEE PROVIDENT FUND EXPENSES		21,02,408		21,39,359
	GRATUITY ACCOUNT		9,81,585		-
	HOUSE LEASE RENT		9,13,630		11,25,320
	MEDICAL EXPENSES		2,88,488		2,51,222
	MEDICAL INSURANCE		1,88,301		1,83,632
	PAY & ALLOWANCES		1,94,58,806		1,47,86,850
			2,39,33,218		**1,84,86,383**
12	**ADMINISTRATIVE EXPENSES**				
	AUDIT FEES		3,95,000		2,00,000

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

	Particulars	31.03.2022		31.03.2021	
		Rs	Rs	Rs	Rs
	BANK CHARGES		19,012		6,930
	BOOKS & PERIODICALS		7,984		2,980
	COMMUNICATION EXPENSE		1,87,454		85,374
	CONVEYANCE EXPENSE		3,60,233		1,37,455
	ELECTRICITY CHARGES		8,02,872		1,18,341
	FITT BBIF OPERATING EXPENSES		3,08,369		14,03,312
	FITT TBIU OPERATING EXPENSES		5,32,212		9,01,070
	FITT I-TEC-SONEPAT OPERATING EXPENSES		1,59,25,180		1,79,27,071
	MEMBERSHIP & SUBSCRIPTION		20,060		18,300
	PRINTING & STATIONERY		69,538		1,94,677
	PROFESSIONAL FEES		15,07,927		11,54,237
	RECRUITMENT EXPENSES		1,30,920		1,06,928
	RENT EXPENSE		7,05,976		3,95,136
	REPAIR & MAINTENANCE		1,15,573		30,460
	SEMINAR & MEETING EXPENSES		9,735		72,249
	TRAVELLING EXPENSES		11,858		1,05,228
	OFFICE EXPENSE		1,46,035		1,16,034
	Interest Expense		9,02,748		3,85,376
	ADVT. / PUBLICITY		59,880		60,900
	IRD SHARE (10%) FOR TECH. T/F.		23,15,842		1,57,000
	PENALTY (TAXES)		-		1,500
	LATE FEES		-		295
	INCUBATION CHARGES RETURN TO IITD		40,68,160		-
	TENDER FEE		2,760		-
	ARCHITECT FEE- R & I		19,47,600		-
	SOFWARE EXPENSES		75,747		-
	FITT LOGO		47,035		-
	R & I Expenses		-		-
	- ADVERTISEMENT		5,865		-
	- CLEANING CHARGES		3,08,000		-
	- CONSUMABLE		1,86,404		-
	- CONTRATUAL STAFF		5,78,578		-
	- GARDENER		10,000		-
	- HOUSE KEEPING		17,47,597		-
	- PRINTING & STATIONARY		28,446		-
	- SECURITY SERVICE		10,72,220		-
	- STAFF MANG SER		4,32,000		-
	Round off		7		13
			3,50,44,829		**2,35,80,866**

Foundation for Innovation and Technology Transfer

Schedules Forming Part of the Balance Sheet

SCHEDULE No. 13

1. SIGNIFICANT ACCOUNTING POLICIES

i) Accounting Convention

The Financial Statements of Society has been prepared under the Historical Cost Conventional methods. Society has been maintained accounts under cash system rather than accrual basis but some statutory accounts has been maintained under accrual basis.

ii) 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.

iii) Revenue Recognition

During the year, the Society recognises applied fund towards expense and transfer to its development funds and project as income of Society.

Income from Consultancy, Seminars, Retainer ships etc. is recognised on rendering of the service and receipt of the fees and FITT services charges, HRD/WORK SHOP, Royalty income which are transfer from various project funds has been treated as income of trust.

Interest income on deposit is accounted for on receipt basis consistently.

iv) 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. Service Tax has been paid to the credit of Government as per invoice raised by FITT.
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

For **Gaurav K. Arora & Co**
Chartered Accountants
FRN: 025889N

For Foundation For Innovation and Technology Transfer

GAURAV ARORA
Proprietor
M. No. 519054

Col. Naveen Gopal
(Chief Operating Officer)

Dr. Anil Wali
(Managing Director)

Place: New Delhi
Date:

Glimpses of Our Activities During 2021-2022

Hon'ble Minister of State for Education, Shri Sanjay Dhotre, launched a Rapid Antigen Test kit for COVID-19 developed by IIT Delhi on June 25, 2021

IIT Delhi startup SWATRIC has collaborated with the Flag Foundation of India to develop a top-notch and Advanced textile solution for the country's national flag. An MoU was signed on July 22, 2021, between FITT and the Foundation to execute the associated research and development activities via the startup.

RAT facility for COVID-19 was inaugurated at IIT Delhi by Prof. V. Ramgopal Rao, Director, IIT Delhi, on August 31, 2021. The RAT kit developed by the Institute is being used in this testing facility managed by JITM Skills.

Research and Innovation Park IIT Delhi wins the Facade Project of the Year 2021

The Research and Innovation (R&I) Park of IIT Delhi, administered by FITT, was bestowed with the prestigious Facade Project of the Year Award 2021 by the Construction Week India in December, 2021. The R&I Park is a prominent centre for research and innovation, leading to advanced technology platforms and deep-tech start-ups. The Park is expected to strengthen the techno-entrepreneurship ecosystem and contribute to the regional economic development.

FITT startup Botlab Dynamics thrilled the country at the Beating Retreat ceremony on January 29, 2022 with a 1,000-drone light show. The 10-minute show was conceptualized by Ministry of Defence and financial support for the show came from Ministry of Science and Technology.

FITT have signed 34 MoUs during the FY 2021-2022, some of them are as follows:

Delhi International Airport Limited (DIAL) has signed an agreement with FITT to enhance passenger experience and operational excellence by leveraging artificial intelligence-based predictive analytics. The agreement, signed on February 21, 2022, has been inked for a period of five years to carry out AI-based predictive analytics on identified areas of improvement and come up with next-level innovative solutions.

A MOU was signed between FITT and GRS India Pvt Ltd on June 21, 2021 in the presence of Dr. Anil Wali, MD, FITT; Professor D. S. Mehta, Dept of Physics, and Mr. Saket Mani Trivedi, Director, GRS India Pvt Ltd. in the Committee Room- FITT

IntelliSmart Infrastructure Private Limited & FITT have signed MoU on December 10, 2021 to carry out advanced research for smart grid solutions

Dr. Anil Wali, MD-FITT signed a MoU with Mr. AS Mehta, President & Director, JK Paper on October 7,2021 in the presence of Prof. V. Ramgopal Rao, Director-IITD for establishing COE in Paper and Packaging at IIT Delhi

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