FITT

Foundation for Innovation and Technology Transfer

Annual Report

2020 - 2021

What's Inside?

Upcoming Research and Innovation Park at IIT Delhi

The largest innovation and incubation facility in Delhi NCR to nurture ideas and develop technology solution. Interested can email us at : anilwali@fitt.iitd.ac.in

Director's Report

Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi is counted amongst the foremost technology transfer organisations of its kind in the country. The constantly evolving relationship between industry and academia largely determines FITT's approach in shaping its outreach for regional economic development. Thanks to the continuous support from IIT Delhi, the team at FITT is able to contribute significantly more than just efficient delivery of services.

FITT is actively involved in industry partnerships, R&D programs, technology licensing, innovations programs etc. This is mandated by the key agenda of the Foundation to transfer technology and also inspire industrial orientation in teaching and research. FITT provides greater opportunity to the academic community with flexible and convenient formats for external engagement. FITT's newsletters and bulletins cover the best innovation stories that IIT Delhi has to offer in terms of its 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 for addressing major challenges faced by the country at large. Directed research and innovation programs can lead to impactful solutions in the important areas of healthcare, manufacturing, infrastructure, cleanliness, water, energy, financial inclusion etc. During the pandemic, IIT Delhi quickly came up with solutions like the "Corosure- Covid19 testing kit", Rapid- Antigen Testing kit, Nanosafe masks, Alcohol free sanitizer and many more.

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 1000 patents, and is actively working on several licensing deals. More than 130 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 35 startups are presently resident. Several Government support programs of DST, BIRAC, DeitY, MSDE and MSME are being facilitated by FITT, which also works with several corporates like Pfizer, Sona Comstar, POSOCO, Barclays, Samsung etc. towards supporting the innovation and incubation programs on the campus. To further encompass the innovation value chain, FITT has now helped to organize Research Parks on IIT Delhi's campuses to deepen industry engagement, enhance R&D programs and significantly augment the start-up ecosystem. Most significantly, FITT has supported the Institute faculty and start-ups in the fight against Covid-19 by taking several technology solutions to the market where they were well received. 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.

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.

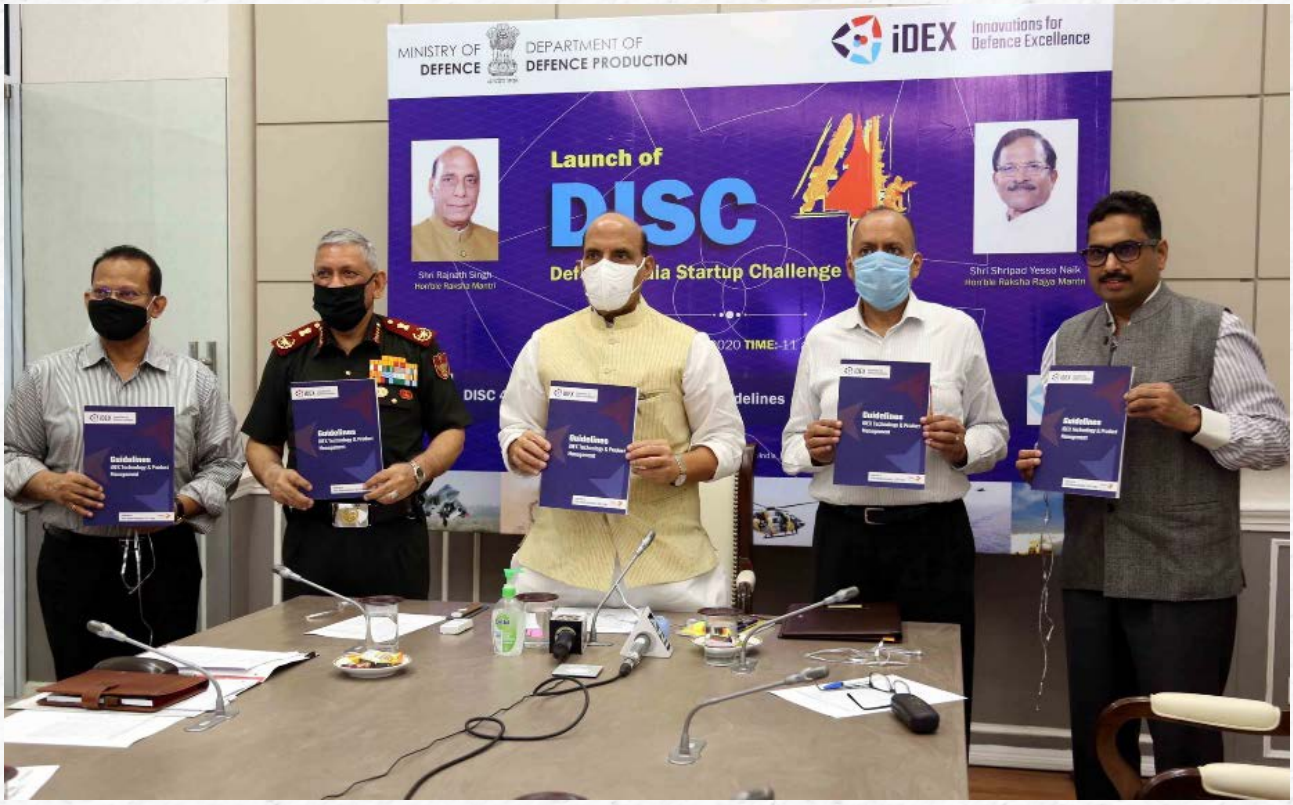
1. FITT facilitates active industry-academia dialogue anad enables mutual visits to explore partnership prospects. In pursuance of this goal, industry representatives are regularly invited for presentations, highlighting their priority R&D areas to faculty groups in the Institute, and opportunities for 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 2020-2021 there have been a number of visits to FITT by senior people from organizations like Samsung, JBM, POSOCO, Havells, Hyundai, MG Motors, Nayara Energy.
2. 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 POSOCO, which aims to reward excellence in the area of power system and its related fields. During the 9th 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.
3. FITT has ben promoting the Women Entrepreneurship and Empowerment (WEE) program supported by the Department of Science and Technology (DST) at IIT Delhi. WEE classes were conducted during the weekends at IIT Delhi with the global industry experts mentoring the woman entrepreneurs.
4. FITT is in association with Pfizer India, for implementation of the Pfizer IIT Delhi Innovation and IP Program, thereby providing support upto Rs 60 lakhs to healthcare based innovators/ start-ups for incubation and Rs 3 lakhs for IP protection.
5. Sona Comstar in association with FITT have launched the Sona-Comstar-IIT Delhi Innovation Program (SCIDIP) for safe, clean and eco-friendly mobility. This is a CSR initiative of Sona Comstar for supporting development of innovative solutions from startups in this area.
6. 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.
7. 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.

8. A Research & Innovation Park has been planned on the campus by IITD with FITT providing the anchor role in conceiving/ enabling the creation of an appropriate infrastructure and operationalizing the system within a framework to be adopted by the institute. Besides, the IIT Delhi Technopark Sonipat (ITEC- Sonipat) has started it operation with facilities of residential incubation. Interested startups can contact FITT for availing incubation.

10. The Defence Innovation Organisation has signed an MOU with FITT to foster innovation & technology development in Defence and Aerospace. Nominated as an iDEX partner incubator, FITT is to mentor entrepreneurs and MSMEs to create, deploy and commercialise technologies and products for the Indian military and defence PSUs.

Defence India Startup Challenge – Edition 4



iDEX- DOI launched the 4th edition of DISC by Hon'ble Shri Rajnath Singh, Minister of Defence, GOI on September 29, 2020.

11. 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 2020, Mr Vishwanath Hebbi, CHEME was shortlisted for his project on "Low cost therapy for snakebite treatment in rural India".

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. During the FY 2020-2021, 155 IPR Applications were filed at FITT. Some of them are listed in Appendix-I (Page 18).

FITT is mandated to transfer technologies developed at IITD for commercialization. During 2020-2021, there were 25 technology tranfer deals were signed at FITT(as given in Appendix-II (Page24). However, FITT is working on a few more technologies for transfer.

Technology Transfers at FITT

Technology transfer of "LED based UVC-Disinfection System for use in Escalators or Moving Walkways for Handrail Sanitization" to Olive Exports at FITT office in the presence of PI- Prof. Harpal Singh, CBME, IIT Delhi, Mr Shyam S Jindal, CA, MD-Olive Exports and Dr Anil Wali MD, FITT- August, 2020

Technology transfer of "Aqua Silver" PI- Prof Ashwini K Agarwal to Nanoclean Global in the presence of Dr Anil Wali, MD FITT IIT Delhi and Mr Prateek Sharma, MD, Nanoclean Global Pvt. Ltd at FITT- January 20, 2021

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 2020-2021, 76 technology development and transfer projects worth Rs. 28.69 crores have been contracted at FITT. Some of the development projects undertaken during 2020-2021 are mentioned in Appendix III (Page25).

Innovation and Enterprise

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

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:

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

To help entrepreneurs working in deep technology domains and further commercialization, FITT has launched the Platform for Harnessing Deep Technologies (PHD) Incubator Program. The idea is to support innovators and entrepreneurs to carry forward a promising deep technology idea and generate proof of concept to validate the idea. Further details on application is available on: fitt-iitd.in

FITT has been implementing BIRAC's SPARSH- the Social Innovation programme for Products: Affordable and Relevant to Societal Health. This program is aimed at the promotion and development of innovative solutions to society's most pressing social problems. Under this program, shortlisted innovators are provided with a mini kick start grant of Rs 5 lakhs and a monthly fellowship of Rs. 50,000/- along with technical support.

The Atal Incubation Centre 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 is ready to take off, following the receipt of the first tranche of funding from the AIM. AIM is supporting the AIC for creating world-class incubation facility with over 10,000 sqft of space and state-of-the-art physical infrastructure, in terms of capital equipment and operating facilities for incubatee start-ups. Apart from this, business-planning support, access to sectoral experts for mentoring and seed capital, industry partnerships, training and other relevant components required for supporting innovative start-ups will be provided.

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 comprise :

TBIU Board

Prof. V. Ramgopal Rao, 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. Sahoo, (Dean Infrastructure) IIT Delhi	Member
Mr. Kiran Deshmukh, Group CTO, Sona Comstar	Member
Dr. A. Gupta, Head NEB Division, DST	Member
Shri Piyush Sharma, CEO, C- Suite Advisor	Member
Dr. Anil Wali, MD, FITT	Convenor

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.

b. Here are some of our start-ups (Promoters/ Faculty) and innovators resident at our incubator during FY 2020-2021:

1. Anaavaran Technologies (Prof M Balakrishnan, CSE ; Ms A Gulati)

This startup was resident in the TBIU from May 2018 to December, 2020. Under the mentorship of Prof M Balakrishnan, CSE, Anavaran have developed a multisensory kit that augments audio with tactile diagram to enhance understanding for children with visual impairment. Founder, Ms Ankita, has won accolades such as the GYTI, IIGP and 3M CII young innovators challenge.

2. Flexmotiv Technologies Pvt Ltd (Prof S Mukherjee, ME; Mr S Adepu and, Mr Arvind SR)

Under the mentoring of Prof S Mukherjee, ME, this startups has developed Flexcrutch-a novel under-arm axillary crutch. Flexmotiv was resident at TBIU from March, 2018 to July, 2021 and have successfully launched Flexmo a self-standing axillary crutch.

3. Clensta International (Prof AS Rathore, CHEME; Dr P Gupta)

Clensta is addressing accessible hygiene concerns whilst contributing in resolving global water crisis as well. They have created innovative healthcare solutions: Clensta Waterless Shampoo & Body Bath; accessible for anyone, anytime and anywhere. With the ongoing pandemic, Clensta has come up with body and hand sanitizers as well. Dr Puneet have also received the National Entrepreneurship Awards 2019 during November 2019.

4. 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.

5. Matisoft Cyber Security Labs Pvt Ltd (Prof B Lall, EE; Mr Varun Seth)

This startup is into developing intelligent security software. Matisoft is incubated at the SRI effective from March, 2018.

6. **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.

7. **Phase Laboratories Pvt Ltd (Prof K Khare, Physics; Dr Sarita Ahlawat)**

Phase lab has been incubating at the TBIU since July 2017 and is working on diagnostic application development using novel High Resolution Digital Holographic (DHM) technology.

8. **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. CYRAN have launched a BUDDHI kit a Do It Yourself kit for school students to easily learn the basics of AI and build AI-based solutions for real-world problems. The startup is incubated with us since September, 2018.

9. **Raised Lines Foundation (Prof M Balakrishnan, CSE; Mr P Sapra, Mr K Kwatra & Mr P Chanana)**

Raised Lines Foundation (RLF) at IIT Delhi has developed a technology that uses 3D printing to produce high-quality yet affordable tactile diagrams on a large scale for books and other printable in Braille. This start-up was resident at our Sonipat Residential Incubator (SRI) since June, 2018 and till April, 2021.

10. **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.

11. **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.

12. **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.

13. **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.

14. **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.

15. **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.

16. **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.

17. **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.

18. **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.

19. **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.

20. **AINS PeopleTech Pvt Ltd (Prof SK Saha,ME ; Prof N Chatterjee, Mathematics; 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.

21. **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.

22. **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

23. **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.

24. **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.

25. **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.

26. **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.

27. **Sicuremi Healthcare Technologies Private Limited (Dr T Gupta; Prof AP Pratosh, EE)**

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

28. **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).

29. Creatara Mobility Private Limited (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.

30. 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.

Some Individual innovators resident at the incubator are as mentioned below:

- Jagdish Gupta Kapuganti
- Adil Khan Yusufzai
- Amit Kumar Singh
- Karan Bhatt

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. Seed support in the broad area of IT is also forthcoming under the Department of Information Technology (DIT) programme – "Technology Incubation and Development of Entrepreneurs" (TIDE- 2.0) scheme in operation with FITT. Towards accomplishment of the programme objectives, FITT organized several awareness workshops disseminated promotional material and processed application proposals.

FITT and N S Raghavan Centre for Entrepreneurial Learning (NSRCEL), IIM Bangalore has instituted a joint mentoring program for start-ups at their respective incubators. Both the parties have agreed that a team of mentors from the alumni community of both the institutes will help in mentoring start-ups in the domains of technology and management.

d. The Department of Biotechnology, Government of India has selected FITT as one of the eight BIG Partners in the country under the 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 17th call for proposal commenced from August 1, 2020 and ended on September 16, 2020 and the 18th call started from January 1, 2021 and closed on March 25, 2021.

e. Under the NIDHI-Seed Support System (NIDHI-SSS) program of DST, introduced in the year 2017, FITT provides funding to incubatee start-ups upto Rs. 1 crore. So far 25 incubatees have been supported by seed funding to the tune of Rs. 7 crores.

f. 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 2020-2021,four applicants have been shortlisted under DPP.

g. Towards commercialization of the technologies, Faculty Innovation and Research-driven Entrepreneurship (FIRE) program was launched on September, 2019. This program envisions commercialisation of technologies developed at IIT Delhi through creation of Faculty-led Enterprises. Technologies and concepts backed by strong scientific evidence that may lead to a commercially viable solution shall be supported under this program. The program has two major components, one is the pre-incubation prototype development stage and the other is the incubation and business mentoring to facilitate commercialization.

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 28) 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.

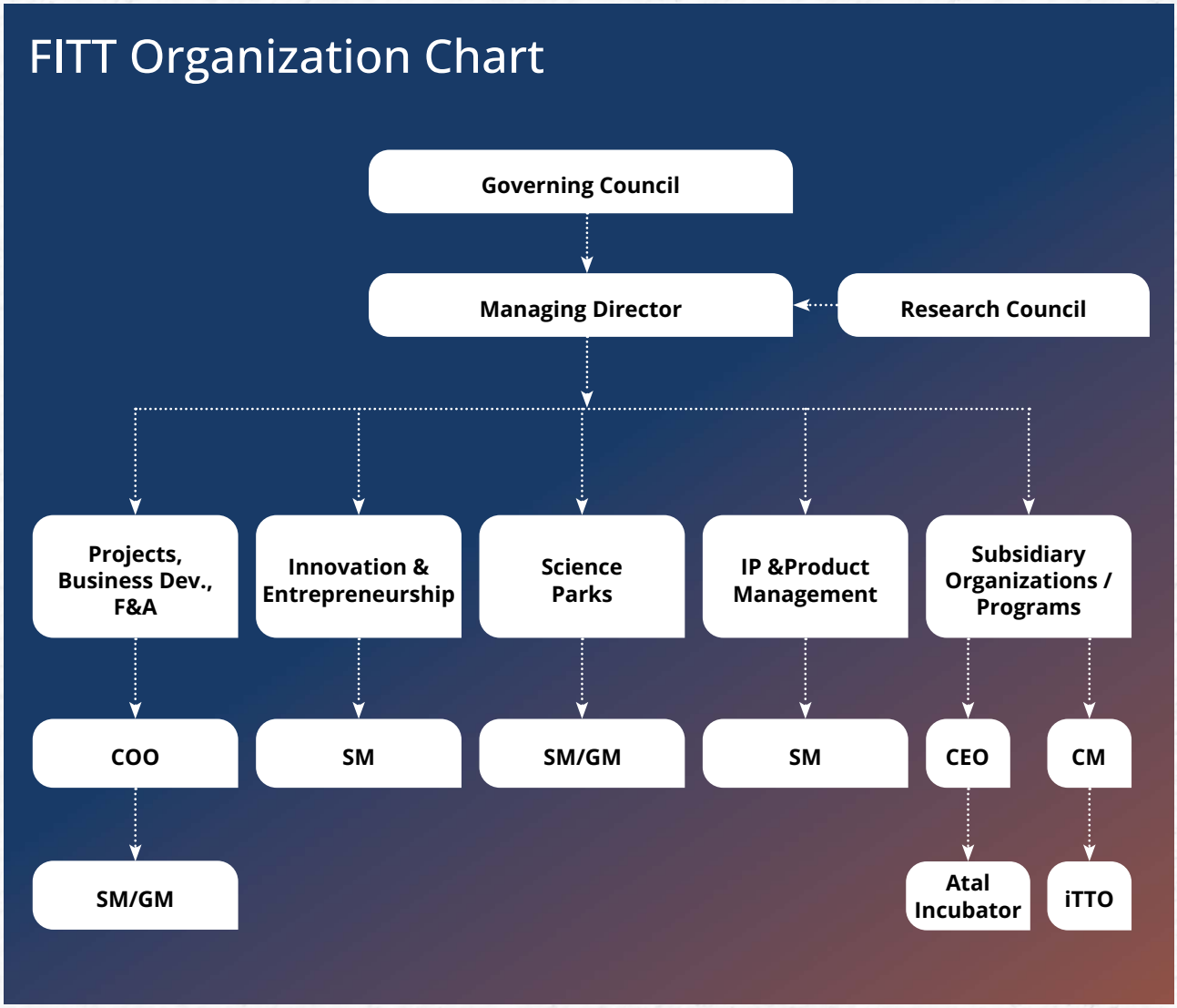
Recognition

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.



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, 2021)

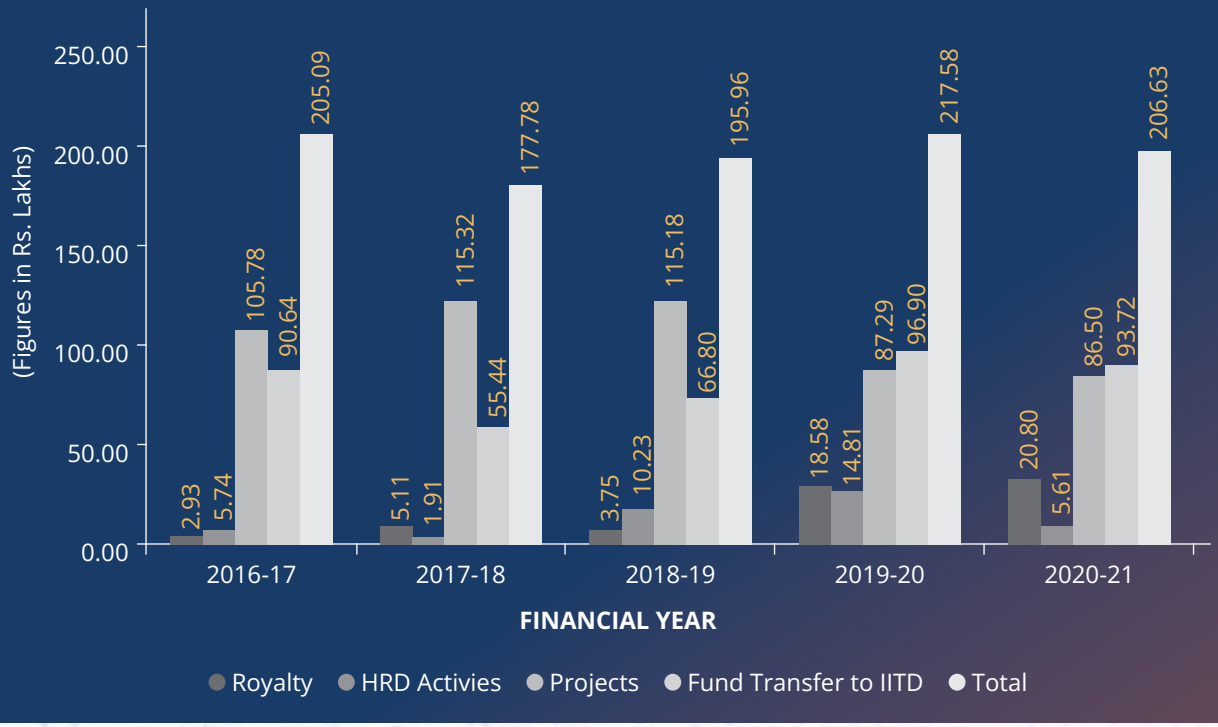
Prof. V. Ramgopal Rao, Director, IITD	Chairman (Ex-officio)
Mr. Sumant Sinha, Chairperson & CEO, ReNew Power Ltd (Nominee of BOG, IIT Delhi)	Member
Prof. S. K. Khare, Dean (R&D), IIT Delhi	Member (Ex-officio)
Prof. A.K. Agrawal, TFE, IITD	Member
Prof. N. Bhatnagar, ME, IIT Delhi	Member
Prof. A. S. Rathore, 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, 2021)

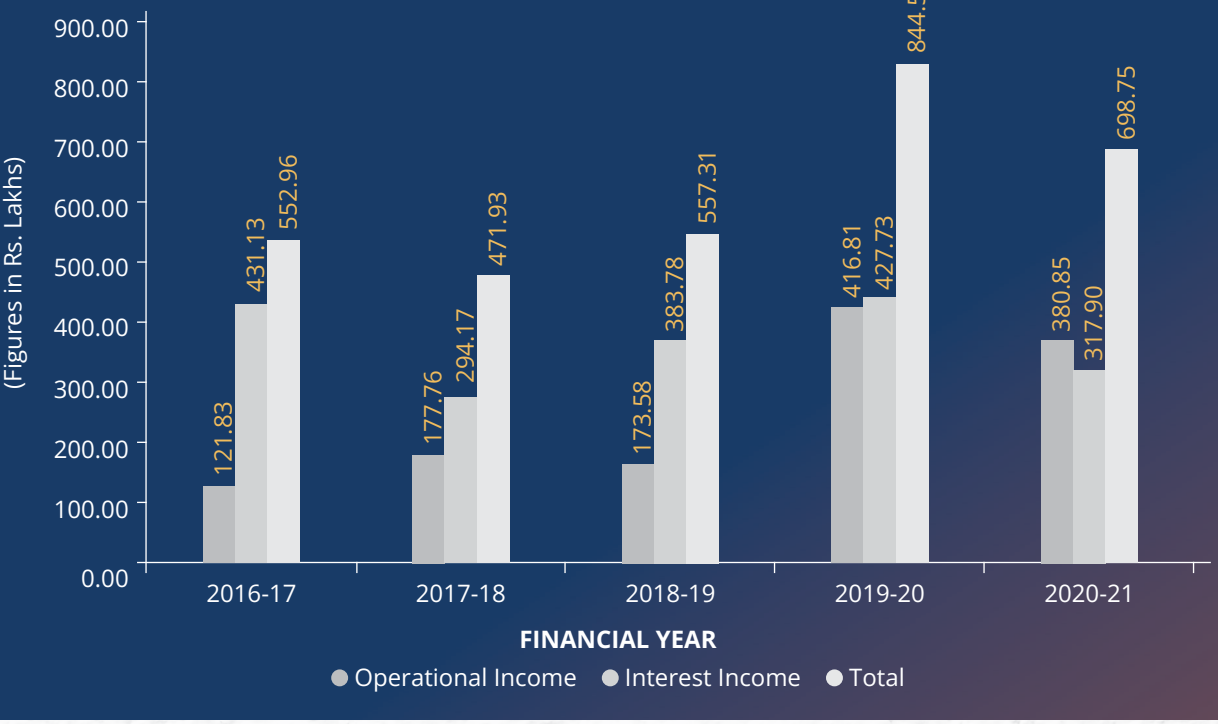
Dr A Wali, MD, FITT	Chairman (Ex-officio)
Prof R Khosa, CE, IIT Delhi	Member
Prof AN Bhaskarwar, CHEME, IIT Delhi	Member
Prof AK Ghosh, DMSE, IIT Delhi	Member
Prof K Khare, Physics, IIT Delhi	Member
Prof A Kumar, CARE, IIT Delhi	Member
Dr K Saha, CTO, Samsung Research Institute	Member
Mr S Banerjee, MD, UOP India Pvt Ltd	Member
Mr S K Varshney, CEO, AIM	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
COO, FITT	Member Seceretary (Ex-officio)

Financial Highlights

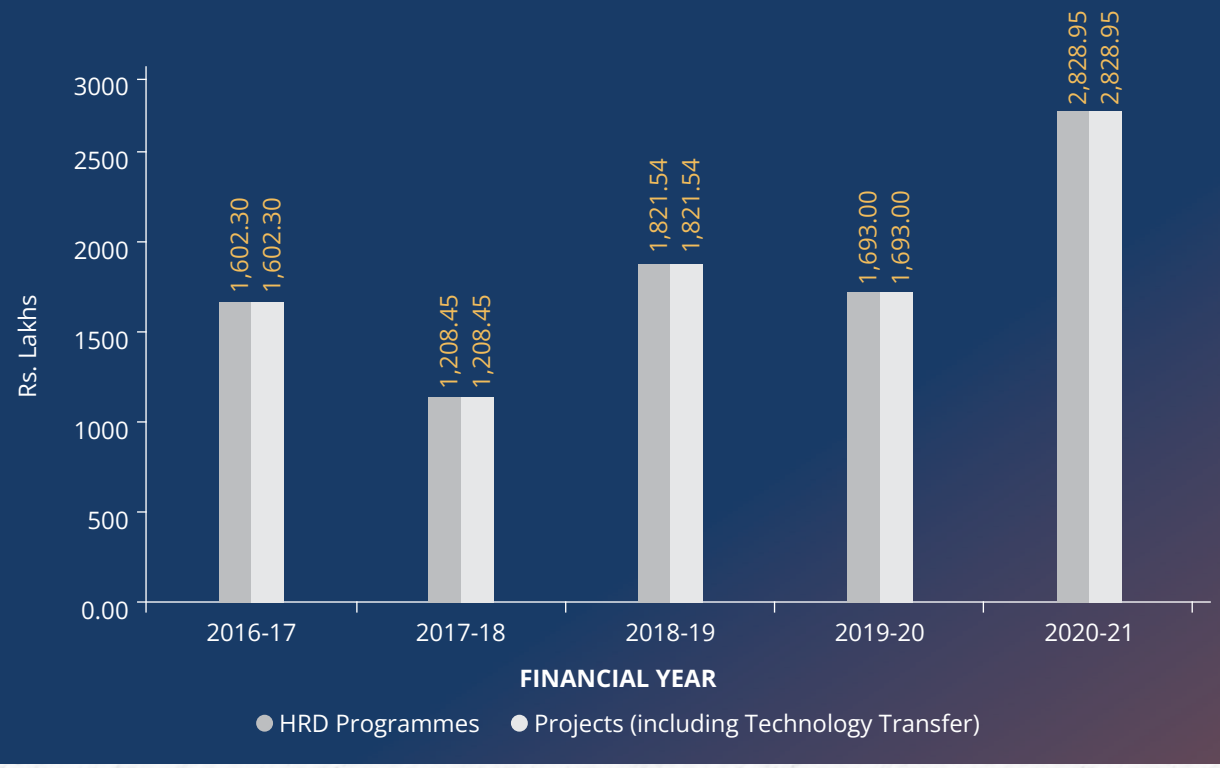
Resource Generation for FITT & IIT Delhi



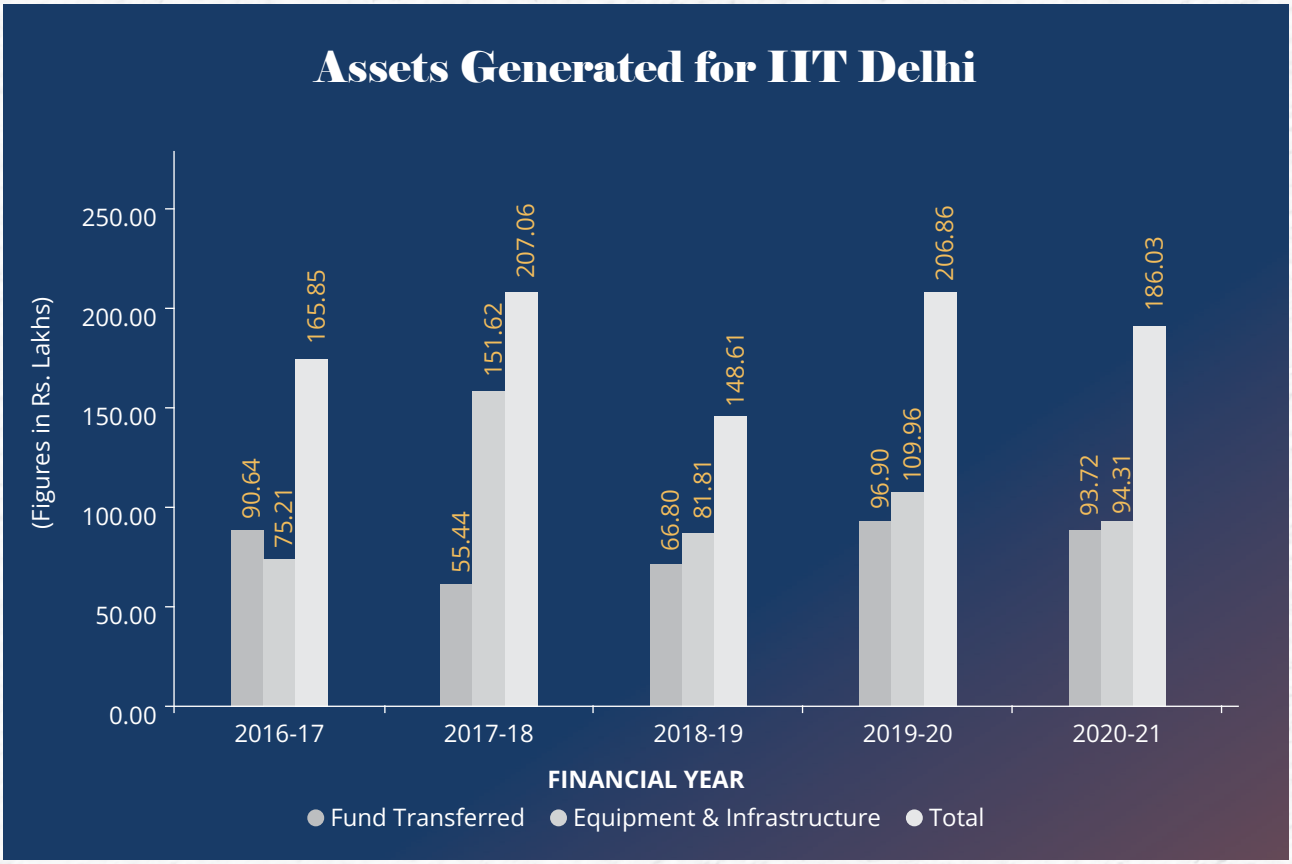
Income Profile of FITT



Value of Major Activities Under by FITT



Assets Generated for IIT Delhi



Appendix-I

List of IPR Applications filed during FY 2020-2021

Sl. No.	Title	PI/ Dept/ Centre
1	High Yield Synthesis Of 5-Hydroxymethylfurfural In Water Under Microwave Condition Using Solid Acid Catalyst	Prof KK Pant, CHEME
2	A Contamination-Free Nucleic Acid Amplification Method And Kit Thereof	Prof D Kalyanasundaram, CBME
3	Energy Efficient Industrial Exhaust Fan Induction Motor	Prof B Singh, EE
4	Reconfigurable Solar PV-Battery Supported Small Hydro Based Micro-Grid	Prof B Singh, EE
5	A Journal Bearing With New Bore Design	Prof RK Pandey, ME
6	A Process and Two-Step Catalytic Reactor System for The Production of Liquid Hydrocarbons from Plastic Waste	Prof KK Pant, CHEME
7	Marine-Derived Cell Penetrating Peptide and Implementations Thereof	Prof A Chugh, KSBS
8	Near Infrared Spectroscopy for Protein Formulation and Uses Thereof	Prof AS Rathore, CHEME
9	Apparatus and Method for Performing a Milling Operation	Prof S Jha, ME
10	Seamless Transition Control of a Microgrid Integrated To 3-Phase AC Distribution Network	Prof B Singh, EE
11	A System For Evaluating The Performance Of Craniovertebral Junction Implant	Prof S Mukherjee, ME
12	Native Virus-Like Particles of Sars-Cov-2, Methods of Generation and Purification Thereof	Prof M Banerjee, KSBS
13	Process Of Producing Polyhydroxybutyrate from Bacillus Thuringiensis	Prof AK Srivastava
14	Serratia Protease-Derived Recombinant Peptide Displaying Anti-Biofilm Properties And Implementation Thereof	Prof TK Chaudhuri, KSBS
15	Indian Institute of Technology Delhi (Logo)	
16	A Fifth-Order Low Source Current Ripple Buck–Boost Converter	Prof M Veerachary, EE
17	Wheat-Derived Cell Penetrating Peptides And Implementations Thereof	Prof A Chugh, KSBS
18	A J.E Probe Assembly for Measuring Power Deposition in a Radio Frequency (RF) Plasma and a Method	ASHISH GANGULI
19	Cell-Penetrating Peptide Targeting Corneal Stroma, And Implementations Thereof	Prof A Chugh, KSBS
20	Optimization Of Leakage Current In A Solar Photovoltaic (PV) System And Method Thereof	Prof B Singh, EE
21	Catalyst For Methanol/DME Synthesis and Process for Preparing the Same Via Precipitating Hetero-Metal Oxides	Prof KK Pant, CHEME
22	A Method and A System for Fabricating Nanotubes on Dental Implants	Prof N Bhatnagar, ME

Sl. No.	Title	PI/ Dept/ Centre
23	Development Of Functional Textiles with Insect Repellent And Antibacterial Properties	Prof SW Ali, TFE
24	A Process of Extracting Lignin from Coconut Coir	Prof KK Pant, CHEME
25	Wind Solar And Hydro Based Grid Interactive Microgrid	Prof B Singh, EE
26	Transformer-Less Single Stage Bridgeless Switched Inductor Power Factor Correction Converter Based Charger for Light Electric Vehicles	Prof B Singh, EE
27	Direction Defined Soft Start Based Position Sensor Less Control Of Pmbldc Motor Drive For Grid Connected And Solar Power Irrigation	Prof B Singh, EE
28	An Induction Heating Apparatus And Method For Providing Heat To A Sensor Area	Prof V Dutta, DESE
29	Design And Development of Customized Die Setup to Perform Pressure-Assisted Conventional/Microwave Sintering Of Mg 15NB3ZN 1CA Metallic Compacts	Prof PM Pandey, ME
30	A Modular Multi Level Converter System For High Voltage Dc Transmission Application With Reduced Conduction Losses	Prof A Das, EE
31	Development Of Green Lignosulphonate Nanoparticles Based Multifunctional Finishes For Value-Added Textile Substrates And The Method Thereof	Prof SW Ali, TFE
32	A Thermostable Microbial Transport Media (MTM) And the Method to Prepare The Same	Prof H Singh, CBME
33	Polymeric Materials for The Fixation and Controlled Release of Nitrate, Phosphate and Potassium (NPK) Ions	Prof J Jacob, DMSE
34	Power Generation in Microgrid Including Renewable Power Source	Prof B Singh, EE
35	Electrocautery And Scissor Device for Surgical Operation	Prof D Kalyanasundaram, CBME
36	Aqueous Dispersion of Thermoplastic Polymers and Method Thereof for Producing Towpreg Preforms For Biomedical Composites	Prof R Alagirusamy, TFE
37	Decontamination Composition For Fabrics	Prof BS Butola, TFE
38	Antimicrobial Formulation For Porous And Non Porous Substrates	Prof AK Agarwal, TFE
39	Unequal Halbach Array Assisted Consequent Pole Ceiling Fan Permanent Magnet Brushless DC Motor	Prof B Singh, EE
40	A Platform for Manoeuverability of a Vehicle on Icy Terrain	Prof JP Khatait, ME
41	An Automatic Tool Changer (ATC) With A Provision For Supplying Pressurized Fluid With Transmission Of Rotary Power	Prof S Jha, ME
42	Low Cost Ergonomic 3D Printed Face Shield	Prof A Chandra, CBME
43	Fibrous Air Filters With A Gradient Of Fibre Shape	Prof D Das, TFE
44	Person Identification and Imposter Detection Using Footfall Generated Seismic Signals	Prof S Kar, EE
45	Uni-Condylar, Bi-Cruciate Retaining Knee Implant	Prof D Kalyanasundaram, CBME

Sl. No.	Title	PI/ Dept/ Centre
46	A Circuit Possessing Fault Limiting Capability In A HB-MMC Based HVDC Transmission System And A Method Thereof	Prof A Das, EE
47	Variable High Gain Dc To DC Gain Booster	Prof S Mishra, EE
48	A Novel Process for Preparation of Pegylated Recombinant Human Granulocyte Colony Stimulating Factor (PEG-GCSF)	Prof AS Rathore, CHEME
49	Novel Activation Function With Hardware Realization For Recurrent Neuromorphic Networks	Prof M Suri, EE
50	Reconfigurable Diameter Wheel	Prof JP Khatait, ME
51	Microfluidic Analyser for In-Vitro Biosensing and Diagnostics	Prof R Elangovan, DBEB
52	The Method And System of Intelligent User Assessment Using Visual Interaction	Prof B Lal, EE
53	Method And System For Monitoring Global System For Mobile Communications (GSM) Traffic	Prof B Lal, EE
54	Managing Electrical Energy Consumption	Prof Ashu Verma, DESE
55	Apparatus And Method For Non-Invasive Measurement Of Blood Glucose Concentration	Prof SK Koul, CARE
56	Aqua Silver (Class 5)	Prof AK Agrawal, TFE
57	Aqua Silver (Class 1)	Prof AK Agrawal, TFE
58	Method Providing Biotransformation Of Asphaltene Through Microbial Consortium	Prof P Srivastava, DBED
59	Multifunctional Three-Phase Single Stage Solar PV-BES Based Micro Grid With Seamlesstransfer Capability Between Utility Grid And Diesel Generator	Prof B Singh, EE
60	A Self-Centering Buckling-Restrained Brace System	Prof DR Sahoo, CE
61	Amino Acid-Functionalized Chiral Metal-Organic Frameworks For Sustainable Asymmetric Earth-Abundant Metal Catalysis	Prof K Manna, CHY
62	System And Method For Primary Control Loop Of A Dual Active Bridge Converter Based On Analog Circuitry	Prof B Singh, EE
63	Phase Shifter Using Substrate Integrated Waveguide Technology	Prof SK Koul, CARE
64	Optimizing Paste Formulation For An Electrode And Method Thereof	Prof AN Bhaskarwar, CHEME
65	Paper Based Thermostable, Rapid Antigen Test Cassette/Card (Swab Specimen) For Novel Coronavirus-19 (Sars-Cov-2)	Prof H Singh, CBME
66	A Control System For Operating A Three Phase Induction Motor Drive And A Method For Operating Motor Drive	Prof B Singh, EE
67	Solar Cooking System With Thermal Energy Storage For Household And Community Level Cooking	K RAVI KUMAR
68	A System And Method For Comparing Instruction Set Architectures (ISAS) For Designing Application Specific Instruction Set Processor	Prof SR Sarangi, CSE
69	Graph Processing On Spatial Accelerators	Prof M Suri, EE

Sl. No.	Title	PI/ Dept/ Centre
70	Triple Shield, Portable, Universal Biological Green Decontamination Station	Prof BS Butola, TFE
71	Apparatus For Filtration Of Particulate Matter	DIPAYAN DAS
72	Axial Flux Motor For Ceiling Fan	Prof B Singh, EE
73	Fiber Orientation Gradient Fibrous Air Filter	Prof D Das, TFE
74	Method For Fabrication Of MEMS Integrated Sensor And Sensor Thereof	Prof S Dhenekar, CARE
75	A Method And An Apparatus For Wireless Information And Energy Transfer Using Distributed Beamforming	Prf S De, EE
76	A Nano-Adsorbent For Removal Of Lanthanide Ions From Water And Associated Methods	Prof AK Ganguli, CHY
77	Hybrid Water Pumping System	Prof B Singh, EE
78	Dynamic Yarn Pull-Out Testing Device And Method Of Testing Thereof	Prof A Majumdar, TFE
79	A System And Method For Production Of Single Polymer Towpreg Through Wet Electrostatic Powder Coating	Prof R Alagirusamy, TFE
80	Acellular Artificial Skin Substitute & Method Of Preparation Thereof	Prof V Koul, CBME
81	Substrate For Surface Enhanced Raman Spectroscopy	Prof SK Dubey,SENSE
82	Piezo-Sma Based Wearable Device For Elctro-Mechano Gram (EMG) of Human Bones For Diagnostic Purposes	Prof S Bhalla, CE
83	System And Method For Improving Performance Of Semi-Grant Free Uplink By Intelligent Power Allocation And Node Selection Mechanisms	Prof S Prakriya, EE
84	Remote Centre Of Motion Adjusting Systemand Method Of Adjustment Thereof Formedical/Surgical Devices	Prof JP Khatait, ME
85	Conjugate Comprising Riboflavin Base Or Salts Thereof And A Cell Penetrating Peptide, And Applications Thereof	Prof A Chugh, KSBS
86	Biomedical Device For Irradiating Visceral Organ	Prof H Singh, CBME
87	An Ocular Drug Delivery Device	Prof D Kalyanasundaram, CBME
88	Genetic Tool For Scheffersomyces Stipitis	ATUL NARANG
89	An Automated Instrument And Microfluidic Chip For Improved And Rapid Testing of Nucleic Acid	Prof SK Jha, CBME
90	Handrail Sanitization	Prof H Singh, CBME
91	Tension Adjustment Mechanism For Tendon Driven Systems	Prof JP Khatait, ME
92	Transglutaminase Nanoflowers	Prof SK Khare, CHY
93	Environmental Friendly Metal-Working Fluid And Process Of Preparation Thereof	Prof D Kumar, ITMMEC
94	Surge Tank Based System For Automated Operation And Control Of Continuous Biopharmaceutical Manufacturing	Prof AS Rathore, CHEME
95	A Method For Semi-Active Vibration Control Of Structures	Prof V Matsagar, CE
96	A Three-Phase Grid Integrated Multiple Solar Photo Voltaic Arrays Battery Based Microgrid	Prof B Singh, EE

Sl. No.	Title	PI/ Dept/ Centre
97	Process For Preparing Selenium Doped Tungsten Oxide Material For Fabricating As Supercapacitor Material And Electrode Thereof	Prof PP Ingole, CHY
98	Tunable Substrate Integrated Waveguide Filters	Prof SK Koul, CARE
99	Spiderlon	Prof AK Agrawal, TFE
100	Plasmonic Gas Sensors	Prof A Dhawan, EE
101	Broadband Optical Modulators	Prof A Dhawan, EE
102	Variable Radius Wheel Based On Compliant Mechanism	Prof JK Khatait, ME
103	Portable Decontamination Device	Prof BS Butola, TFE
104	Universal CBRN Decontamination Wipe	Prof BS Butola, TFE
105	Flexible Electrode For Microbial Fuel Cell	Prof SW Ali, TFE
106	Flexible Gel-Less Antibacterial Electrodes, Method for Manufacturing Same and System Deploying Said Electrodes for Cardiac Monitoring	Prof JP Singh
107	Geometrical Model And Fabric Production Method For Energy Absorbing Woven Structure With Multiple Structural Variants	Prof BK Behera, TFE
108	A Novel Approach Of In-Situ Synthesis Of Mosquito Repellent, Anti Bacterial Polymeric Dye On The Cellulosic Back Ground	Prof JN Sheikh, TFE
109	Synthesis Of Novel Multifunctional Disperse Dyes Based On Natural Couplers For Imparting Colour, Mosquito Repellency, Antibacterial Activity And UV Protection To Textiles	Prof JN Sheikh, TFE
110	Method Of Fabricating Tubular Scaffold	Prof PM Pandey, ME
111	Customizable And Flexible Forcesensing Resistor	Prof A Chandra, CBME
112	System For Rehabilitation Of A Limb Of A Patient	Prof A Mehndiratta, CBME
113	Ripstop Weaves For Enhanced Tearing Strength And Breathability	Prof D Gupta, TFE
114	FE-SMA Core-Based Buckling-Restrained Braces	Prof DR Sahoo, CE
115	All Steel Short Core Buckling- Restrained Braces (AS-BRBS) With Bolted Angle Restrainers	Prof DR Sahoo, CE
116	Indoor Air Purification Device	Prof D Das, TFE
117	Solar PV Integrated Sensorless Pmsm Drive For E-Rickshaws With Regenerative Braking Capability	Prof B Singh, EE
118	A 3D Bioprinted Scar Tissue Model	Prof S Ghosh, TFE
119	Integrated Purification System For Air And Water	Prof D Dasgupta, ME
120	Fabrication Of Coating Free Structured Superhydrophobic Polydimethylsiloxane (Pdms) Surface And Its Use Thereof	Prof S Aravindan, ME
121	Receiver For Orthogonal Time Frequency Space Modulated Signals In Very High Mobility Scenarios	Prof SK Mohammed, EE
122	A Shadow-Less Cascaded Solar Panel Based Photovoltaic Power Generation System And Method Of Its Operation Thereof	Prof DS Mehta, PHY
123	Compiler-Operation In A Computing System And Method Thereof	Prof S Bansal, CSE

Sl. No.	Title	PI/ Dept/ Centre
124	Method In Blockchain Systems For Fast Stabilization And Increased Responsiveness Using Links	Prof VJ Ribeiro, CSE
125	System And Methods For Hybrid Local Caching In Radio Access Networks	Prof M Suri, EE
126	Solar PV Generation For Improved Utilization Of DG Set	Prof B Singh, EE
127	Biomarkers, Kit And Applications Thereof	Prof B Kundu, KSBS
128	A 3D Bioprinted Scar Tissue Model	Prof S Ghosh, TFE
129	Electrochemical Neutralization Energy-Assisted Membrane-Less Microfluidic Reactor For Water Electrolysis	Prof S Basu, CHEME
130	A Measuring Device For Determining Length Of Ossicle Replacement Implant And A Method Thereof	Prof D Kalyanasundaram, CBME
131	System And Method For Improving Efficiency Of Ev Chargers With Different Open Circuit Voltages	Prof B Singh, EE
132	Exoskeleton Device For Upper Limb Rehabilitation	Prof A Mehndiratta, CBME
133	Electrochemical Preparation Method For Vanadium Electrolyte And Its Application Thereof	Prof A Verma, CHEME
134	Single Phase Induction Motor For Ceiling Fan	Prof B Singh, EE
135	Core-Shell Nanoparticles For In-Situ Removal Of Total Dissolved Solids In Textile Effluents And A Process Of Removal Thereof	Prof K Manna, CHY
136	System And Method For Integrating Power From Renewable Energy Sources To High-Voltage Direct-Current Transmission Line	Prof A Das, EE
137	Wound Healing Dressing And Method Of Preparation Thereof	Prf J Bhattacharyya, CBME
138	Tunable Substrate Integrated Waveguide Filters	Prof SK Koul, CARE
139	Monitoring System For A Flow Battery	Prof A Verma, CHEME
140	An Improved Arrangement Of A Cascaded U-Cell Based Multilevel Converter Device By Using A Modified Fundamental Switching Technique	Prof B Singh, EE
141	Synchronous Reluctance Generator Based Wind Energy Conversion System	Prof B Singh, EE
142	Multifunctional Microcapsules For Textile Finishing And Preparation Method There	Prof JN Sheikh, TFE
143	Battery Operated Touchless Automated Assembly For Sanitizer Dispenser	Prof M Agarwal, CARE
144	Power Air Purifier Respirator For Health Workers	Prof M Agarwal, CARE
145	Single-Site Metal-Organic Framework- Catalysts For Conversion Of Natural Gas To 1-Hexene	Prof K Manna, CHY

Appendix-II

List of Technologies Transferred at FITT during FY 2020-2021

Sl. No.	Technology Title	PI	Dept/ Centre/ School	Licensee Name
1	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	JITM Pvt. Ltd
2	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Wrig Nanosystems
3	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Geneilabs
4	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Medipol Pharmaceutical
5	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Newtech Medical
6	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Meril Diagnostics Pvt Ltd
7	UV-Disinfection System for microbes including bacteria and virus.	Prof H Singh	CBME	APL Machinery Private Limited
8	Design and Development of PPE coverall	Prof H Singh	CBME	UFLEX Ltd
9	Design and Development of PPE coverall	Prof H Singh	CBME	Fibrex Construction Chemicals Pvt Ltd
10	Process and Composition Imparting Multifunctional Properties to Fabrics	Prof S Mukhopadhyay	TFE	Fabiosys Innovation Pvt Ltd
11	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Pontika Aerotech Ltd
12	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Bio-Med Private Ltd
13	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	TCM Limited
14	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Reliance
15	Microfludic Analyser	Prof R Elangovan	DBEB	Reliance
16	Copper and Silver Immobilized Nano-Sized Montmorillonite Clay with Antimicrobial Properties	Prof M Joshi	TFE	Nanosafe Solutions Pvt Ltd
17	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Delphine Diagnostics
18	COVID-19 Molecular diagnostic kit	Prof V Perumal	KSBS	Health Rejoice Pvt Ltd
19	UV-Disinfection System for microbes including bacteria and virus.	Prof H Singh	CBME	Olive Exports Pvt Ltd
20	Animal Detection	Prof S Kar	EE	Suxma Systems Pvt Ltd
21	Pyrolysis Unit	Dr Priyanka	CRDT	Aegis Sustainability & Environmental Research Pvt Ltd
22	Rapid Antigen test for detection of Covid 19 (2019-nCoV)	Prof H Singh	CBME	Dia Sure Immunodiagnostic LLP
23	PYGGI	Prof A Krishnan	CE	Fundação de Apoio Institucional ao Desenvolvimento Científico e Tecnológico da UFSCar
24	Smart Data Handling	Prof S De	EE	Silov Solutions Pvt Ltd
25	Aqua Silver technology	Prof AK Agarwal	TFE	Nanoclean Global Pvt Ltd

Appendix-III

Some Development/ Investigative Projects at FITT during FY 2020-2021

Sl No	Title	PI/Dept
1	New shape design concept for Dabur Chyawanprash 1 Kg	Prof S Singh, DOD
2	Inspection of 144 No's of Grossly Pollution Industries (GPIs) discharging into main stem of River Hindon and Sub Basin	Prof V Kumar; Prof R Chandra, CRDT Prof SH Kota, CE
3	Select study of EV batteries	Prof NB Bolia, ME
4	A life cycle approach on laminated fabric/flex banner & its Impact assessment on environment (Phase-II)	Prof AK Ghosh, DMSE
5	Engagement as environment/energy auditor for pollution load changes	Prof D Rakshit, CES
6	Development of rapid, deployable diagnostics platform for COVID19 virus	Prof R Elangovan, DBEB Prof Dinesh Kalyanasundaram, CBME Prof M Balakrishna Menon; Prof V Perumal, KSBS
7	Study of community design for traffic safety in India= Phase-VII	Prof G Tiwari, TRIPP
8	Application of Machine Learning (ML) and Artifice Intelligence (AI) Cancer Genomics	Prof AP Prathosh, EE
9	Deep learning for haematological image analysis	Prof AP Prathosh, EE
10	Predictive imaging to reduce cooling and preconditioning time of subjects in thermal imaging protocol	Prof AP Prathosh, EE
11	Incubation for bioanalytical characterization	Prof AS Rathore, CHEME
12	Electro-oxidation of CH4 gas to liquid products	Prof A Verma, CHEME
13	Adequacy assessment of proposed 10 MLD common effluent treatment plant	Prof V Kumar, CRDT
14	Vetting of the technical specifications of Nehru Museum-Phase 1, Teen Murti House	Prof J U Maheswari, CE Prof S Venkataraman, DOD
15	To design a smart Mailbox for home	Prof S Singh, DOD
16	Investigation of Natural Gas processing unit design	Prof KK Pant, CHEME
17	Replacement of CR(VI) coating for phosphor bronze bellows	Prof J Jain, DMSE
18	Development of virtual learning solution for K-8 Students	Pro A Mittal, KSBS
19	Intent inference from a structured video using computer vision and Natural language understanding	Pro B Lall, EE
20	Consultancy for specification and scope definition of following display assembly-MEA front	Prof B Lall,EE
21	Development of Escherichia coli expression system for the production of secreted recombinant proteins specifically growth factors and cytokines	Prof KJ Mukherjee, DBEB
22	Technology development of mutants of L-Asparaginase	Prof B Kundu, KSBS
23	Course material development	prof J Kumar, DOD
24	Development of a software tool for designing optimum supercritical steam turbine cycle	Prof SS Sinha, AM

Sl No	Title	PI/Dept
25	Evaluation and benchmarking of Personal Protection Equipment (PPE) for Covid-19	Prof AK Ghosh, DMSE
26	Evaluation and experimental design of PPE kit and mask	Prof AK Ghosh, DMSE
27	Design & development of metal based composites	Prof N Bhatnagar, ME
28	Hand on training of engineers on TIDSP	Prof AK Jain, EE
29	Development & support for motor control solutions by MathWorks	Prof AK Jain, EE
30	Agilent thought leader award	Prof AS Rathore, CHEME
31	Low Carbon Cement-Phase-III	Pro S Bishnoi, CE
32	Developing criteria including trail runs for suitability of TA Pins	Prof P Mahajan, AM
33	Design and development of low light impaging sensors	Prof M Sarkar, EE
34	Inspection of Grossly Polluting Industry (GPIs)	Prof V Kumar, CRDT
35	Design of 5GHz wide band PLL	Dr. Rakesh Kumar Palani, EE
36	Material characterization of small scale components	Prof J Jain, DMSE
37	DPR for setting up of Centre for Advanced Research in Textiles (CARTex)	Prof AK Agarwal, TFE
38	Aerial computational 3D display with ability to take touch input	Prof K Khare, PHY
39	Failure analysis of Monel 400 and SS 316L Bourdon tubes	Prof J Jain, DMSE
40	Impact Analysis of modifications in hardware in the card of MSDAC (Multi-section Digital Axle Counter)	Prof A Dixit, EE
41	Hardware validation of electronic interface of MSDAC with electronic interlocking and signaling equipment	Prof A Dixit, EE
42	Unified multimodal indexing	Prof SB Jagannath, CSE
43	Performance evaluation and adequacy assessment of existing Common Effluent Treatment Plants (CETPs)	Prof V Kumar, CRDT
44	Advise for design and development of hydraulic motor and valve for powering an electric generator	Prof SR Kale; Prof N V Datla, ME
45	A climatology based decision support system for fenestration applications	Prof SB Roy, CAS
46	Mathematical modeling of resonant fatique test setup	Pof BP Patel, AM
47	Fatigue testing of suspension lug	Prof P Mahajan, AM
48	RC/RCE auto clave test for corrosion inhibitor sample using high pressure reactor	Prof KK Pant, CHEME
49	Technical and economical analysis of electrical & mechanical project work	Prof S Mishra, EE
50	A technology development project on PV adhesive and EVA primer	Prof S Saha, DMSE
51	Complier-based analysis and optimization for PMEM Abstractions	Prof S Bansal, CSE
52	Unicare lifeline design and computational testing	Prof J Kumar, DOD
53	Investigation of non-volatile memory device and sub-system design computational testing	Prof M Suri, EE
54	Development of smart contract driven blockchain application	Prof S Sharma, CSE
55	Material and water audit of Ashoka Pulp & Paper Pvt Ltd	Prof V Kumar, CRDT
56	Utilization of distillery spent wash pressmud biocompost as a source of renewable fuel	Prof R Khanna, CHEME
57	Testing and analysis of aluminum composite panels	Prof J Jain, DMSE

Sl No	Title	PI/Dept
58	Testing of polyurethane samples for grouting	Prof R Khanna, CHEME
59	Advice on manufacture of zeta-cypermethrin from cypermethrin	Prof R Khanna, CHEME
60	Evaluation of properties of small scale components of different alloys	Prof J Jain, DMSE
61	Investigating the mechanism of inactivation of non-enveloped viruses using biochemical and in-silico approaches	Prof M Banerjee, KSBS
62	WFP Grant for Public Systems (PSL)	Prof N Bolia, ME
63	Ocean noise monitoring system	Prof A Kumar, CARE
64	Smart Warehouse IoT design and software implementation	Prof S Jha, ME
65	Electrochemical testing such as conductivity, coefficient of thermal expansion and fuel cell testing	Prof A Verma, CHEME
66	Providing analytical design calculation for existing earthing systems	Prof S Mishra, EE
67	Impact assessment of e-Lakshyvahini in Haryana state	Prof J Kumar, DOD
68	Advice for vision, mission, strategy and other relevant aspects	Prof AD Sagar, School of Public Policy
69	Strategies for piezoelectric energy harvesting from vehicular movements on roads and its utilization for powering traffic signals	Prof S Bhalla, CE
70	Performance study of geocell reinforced road pavement at Dholera activation area	Prof J T Shahu, CE
71	Sustainable geotechnical design of foundations and geo-structures for Dholera Smart City Project	Prof T Chakraborty, CE

Abbreviations

- **AM :** Department of Applied Mechanics
- **BSTTM :** Bharti School of Telecommunication Technology and Management
- **CARE :** Centre for Applied Research in Electronics
- **CAS :** Centre for Atmospheric Sciences
- **CART:** Centre for Automotive Research and Tribology
- **CBME :** Centre for Biomedical Engineering
- **CE :** Department of Civil Engineering
- **CES :** Centre for Energy Studies
- **CHEME :** Department of Chemical Engineering
- **CHY :** Department of Chemistry
- **CRDT :** Centre for Rural Development and Technology
- **CSE :** Department of Computer Science and Engineering
- **DBEB :** Department of Biochemical Engineering and Biotechnology
- **DMS :** Department of Management Studies
- **DMSE :** Department of Material Science & Engineering
- **DOD :** Department of Design
- **EE :** Department of Electrical Engineering
- **HUSS :** Department of Humanities and Social Sciences
- **KSBS :** Kusuma School of Biological Sciences
- **MATHS :** Department of Mathematics
- **ME :** Department of Mechanical Engineering
- **PHY :** Department of Physics
- **TFE :** Department of Textile and Fiber Engineering

and many more...

Appendix – IV

Some of our Corporate Members include:

- Dabur India
- SRF
- Creditas
- Havells India
- BSES Yamuna Power
- JBM Group
- KPL International Ltd.
- 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
- New Life Pharmaceuticals
- 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, 2021

Particulars	SCHEDULE No.	Rs.	31.03.2021 Rs.	Rs.	31.03.2020 Rs.
SOURCE OF FUNDS					
1. CORPUS FUNDS					
SEED MONEY			1,62,00,000		1,62,00,000
2 RESERVES AND SURPLUS	1		25,41,88,398		27,80,58,379
3. RESEARCH AND DEVELOPMENT FUND	2		9,37,17,445		8,56,42,985
4. OTHER FUND	3		14,88,59,856		11,28,06,608
			51,29,65,700		49,27,07,972
APPLICATION OF FUNDS					
1. FIXED ASSETS	4				
(A) GROSS BLOCK		97,01,877		1,05,52,349	
(B) LESS: DEPRECIATION		12,00,922		12,97,020	
(C) NET BLOCK			85,00,955		92,55,329
2. INVESTMENTS	5		57,65,88,500		39,40,12,308
3. CURRENT ASSETS LOAN & ADVANCES	6	53,41,88,911		53,76,21,650	
LESS : CURRENT LIABILITIES	7	60,63,12,666		44,81,81,315	
NET CURRENT ASSETS			(7,21,23,755)		8,94,40,335
			51,29,65,700		49,27,07,972

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 **M/S SRGA & CO.**
Chartered Accountants
FRN: 011984N

For Foundation for Innovation and Technology Transfer

FCA **Sandeep Gupta**
Partner
M. No. 090039

Col. Naveen Gopal
(Chief Operating Officer)

Dr. Anil Wali
(MANAGING DIRECTOR)

Place: New Delhi
Date: 25.09.2021

Foundation for Innovation and Technology Transfer

Income and Expenditure Account for the Year Ended 31st March, 2021

Particulars	SCHEDULE No.	Rs.	31.03.2021 Rs.	Rs.	31.03.2020 Rs.
INCOME					
PROJECT DEVELOPMENT & TECHNOLOGY RECEIPTS	8		25,94,80,287		24,93,56,933
OTHER INCOME	9		5,85,86,986		7,24,50,598
			31,80,67,273		32,18,07,531
EXPENDITURE					
PROJECT RESEARCH & DEVELOPMENT EXPENSES	10		24,82,49,355		23,72,88,075
ESTABLISHMENT EXPENSES	11		1,84,86,383		1,96,67,437
INFORMATION SUPPORT SERVICES			2,59,728		4,64,186
AWARD / SCHOLARSHIP			1,60,000		2,00,000
DEPRECIATION	4		12,00,922		12,97,020
ADMINISTRATIVE EXPENSES	12		2,35,80,866		3,47,26,428
GRANT TO IIT FOR R&D PARK			5,00,00,000		-
			34,19,37,254		29,36,43,146
EXCESS OF INCOME OVER EXPENDITURE			(2,38,69,981)		2,81,64,385

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 **M/S SRGA & CO.**
Chartered Accountants
FRN: 011984N

For Foundation for Innovation and Technology Transfer

FCA **Sandeep Gupta**
Partner
M. No. 090039

Col. Naveen Gopal
(Chief Operating Officer)

Dr. Anil Wali
(MANAGING DIRECTOR)

Place: New Delhi
Date: 25.09.2021

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
1	**RESERVES & SURPLUS**				
	CAPITAL RESERVE		25,55,812		25,55,812
	GENERAL RESERVE		27,55,02,567		24,73,38,181
	EXCESS OF INCOME OVER EXPENDITURE		(2,38,69,981)		2,81,64,385
			25,41,88,398		**27,80,58,378**
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	-		-	
		1,27,46,037		1,27,46,037	
	LESS : UTILISED DURING THE YEAR	-	**1,27,46,037**	-	**1,27,46,037**
2(ii)	**FITT CONSULTANT FUND**				
	OPENING BALANCE	3,28,16,980		2,42,80,275	
	ADD : ADDITIONS DURING THE YEAR	67,39,040		1,09,24,990	
		3,95,56,020		3,52,05,265	
	LESS : UTILISED DURING THE YEAR	18,65,155	**3,76,90,865**	23,88,285	**3,28,16,980**
2(iii)	**FITT DEPARTMENT DEVELOPMENT FUND**				
	OPENING BALANCE	3,47,89,982		2,92,15,461	
	ADD : ADDITIONS DURING THE YEAR	37,27,498		60,46,082	
		3,85,17,480		3,52,61,543	
	LESS : UTILISED DURING THE YEAR	10,51,394	**3,74,66,086**	4,71,561	**3,47,89,982**
2(iv)	**CENTRAL ADMINISTRATIVE FUND**				
	OPENING BALANCE	34,163		34,163	
	ADD : ADDITIONS DURING THE YEAR	6,43,162		6,66,068	
		6,77,325		7,00,231	
	LESS : UTILISED DURING THE YEAR	6,43,162	**34,163**	6,66,068	**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**

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
2(vi)	**FITT ADMINISTRATIVE FUND**				
	OPENING BALANCE	51,61,823		44,51,634	
	ADD : ADDITIONS DURING THE YEAR	7,41,801		8,14,022	
		59,03,624		52,65,656	
	LESS : UTILISED DURING THE YEAR	2,17,330	**56,86,294**	1,03,833	**51,61,823**
			9,37,17,445		**8,56,42,985**
3	**OTHER FUND**				
3(i)	**TBIU - TIDE SEED FUND REPAYMENT**				
	OPENING BALANCE	90,72,364		81,62,175	
	ADD : ADDITIONS DURING THE YEAR	8,627		9,10,189	
		90,80,991		90,72,364	
	LESS : UTILISED DURING THE YEAR	-	**90,80,991**	-	**90,72,364**
3(ii)	**TBIU - MCIT SEED FUND REPAYMENT**				
	OPENING BALANCE	41,93,601		41,93,601	
	ADD : ADDITIONS DURING THE YEAR	-		-	
		41,93,601		41,93,601	
	LESS : UTILISED DURING THE YEAR	-	**41,93,601**	-	**41,93,601**
3 (iii)	**TBIU - FUND (3% ROYALTY/SHARES BUY-BACK/DEFERED LOAN)**				
	OPENING BALANCE	73,67,876		72,91,057	
	ADD : ADDITIONS DURING THE YEAR	1,17,097		76,819	
		74,84,973		73,67,876	
	LESS : UTILISED DURING THE YEAR	-	**74,84,973**	-	**73,67,876**
3 (iv)	**TDB - SEED FUND REPAYMENT**				
	OPENING BALANCE	33,80,857		30,34,570	
	ADD : ADDITIONS DURING THE YEAR	-		3,46,287	
		33,80,857		33,80,857	
	LESS : UTILISED DURING THE YEAR	6,00,000	**27,80,857**	-	**33,80,857**
3(v)	**BIRAC- BIG A/C**				
	OPENING BALANCE	3,14,43,320		3,49,48,987	
	ADD : ADDITIONS DURING THE YEAR	4,12,46,369		4,10,45,768	
		7,26,89,689		7,59,94,755	
	LESS : UTILISED DURING THE YEAR	3,26,68,968	**4,00,20,721**	4,45,51,435	**3,14,43,320**

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
3(vi)	**BIRAC-BBIF-A/C**				
	OPENING BALANCE	17,81,002		17,81,002	
	ADD : ADDITIONS DURING THE YEAR	1,67,986		-	
		19,48,988		17,81,002	
	LESS : UTILISED DURING THE YEAR	-	**19,48,988**	-	**17,81,002**
3(vii)	**DST-NIDHI A/C**				
	OPENING BALANCE	2,72,41,453		2,42,96,305	
	ADD : ADDITIONS DURING THE YEAR	4,19,71,530		29,68,562	
		6,92,12,983		2,72,64,867	
	LESS : UTILISED DURING THE YEAR	3,24,35,871	**3,67,77,112**	23,414	**2,72,41,453**
3(viii)	**BIRAC SEED FUND A/C**				
	OPENING BALANCE	46,23,620		67,00,463	
	ADD : ADDITIONS DURING THE YEAR	39,09,504		57,48,797	
		85,33,124		1,24,49,260	
	LESS : UTILISED DURING THE YEAR	10,42,900	**74,90,224**	78,25,640	**46,23,620**
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	1,60,00,000		2,00,00,000	
	ADD : ADDITIONS DURING THE YEAR	-		-	
		1,60,00,000		2,00,00,000	
	LESS : UTILISED DURING THE YEAR	1,15,04,500	**44,95,500**	40,00,000	**1,60,00,000**
3(x)	**FITT SPARSH**				
	OPENING BALANCE	10,00,000		-	
	ADD : ADDITIONS DURING THE YEAR	20,18,410		10,00,000	
		30,18,410		10,00,000	
	LESS : UTILISED DURING THE YEAR	16,84,674	**13,33,736**	-	**10,00,000**

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
3(xi)	**FITT TIDE 2.0**				
	OPENING BALANCE	50,78,584		-	
	ADD : ADDITIONS DURING THE YEAR	72,40,000		50,80,000	
		1,23,18,584		50,80,000	
	LESS : UTILISED DURING THE YEAR	23,86,000	**99,32,584**	1,416	**50,78,584**
3(xii)	**INNOVATIONS FOR DEFENCE EXCELLENCE (IDEX)**				
	OPENING BALANCE	9,86,044		-	
	ADD : ADDITIONS DURING THE YEAR	50,00,000		10,00,000	
		59,86,044		10,00,000	
	LESS : UTILISED DURING THE YEAR	7,57,763	**52,28,281**	13,956	**9,86,044**
3 (xiii)	**HDFC SMARTUP GRANT**				
	OPENING BALANCE	-			
	ADD : ADDITIONS DURING THE YEAR	80,00,000			
		80,00,000			
	LESS : UTILISED DURING THE YEAR	-	**80,00,000**		
3(ix)	**SONA COMSTAR - IITD**				
	OPENING BALANCE	-		-	
	ADD : ADDITIONS DURING THE YEAR	50,00,000		-	
		50,00,000		-	
	LESS : UTILISED DURING THE YEAR	25,11,839	**24,88,161**	-	**-**
3(x)	**PHD INCUBATOR**				
	OPENING BALANCE	-		-	
	ADD : ADDITIONS DURING THE YEAR	69,68,422		-	
		69,68,422		-	
	LESS : UTILISED DURING THE YEAR	2,182	**69,66,240**	-	**-**
			14,88,59,856		**11,28,06,608**

Schedules Forming Part of The Balance Sheet

SCHEDULE No. 4 : FIXED ASSETS
BLOCK OF ASSETS AS PER THE INCOME TAX ACT, 1961

Sl. No	PARTICULARS	RATE	GROSS BLOCK					NET BLOCK	
			WDV as on 01-04-2020	Deletion of assets	Addition of assets > 180 Days	Addition of assets < 180 Days	Total as on 31-03-2021	During the Year 2020-21	WDV as on 31-03-2021
FITT									
1	COMPUTERS	40%	2,86,308		1,34,900	1,09,241	5,30,449	1,90,331	3,40,118
2	FURNITURE & FIXTURES	10%	10,75,255		91,161		11,66,416	1,16,642	10,49,774
3	PRINTER	40%	3,959				3,959	1,584	2,375
4	INVERTER	15%	34,391				34,391	5,159	29,232
5	AIR CONDITIONERS	15%	1,22,590				1,22,590	18,388	1,04,202
6	PHOTOCOPIER	15%	44,147				44,147	6,622	37,525
7	PROJECTOR	15%	65				65	10	55
8	OFFICE EQUIPMENTS	15%	2,56,839			29,524	2,86,363	40,740	2,45,623
9	FITT EXTN. OFFICE	10%	39,015				39,015	3,901	35,114
10	TBIU OFFICE MODULE	10%	1,04,261				1,04,261	10,426	93,835
11	TBIU - SYNERGY BLDG	10%	52,16,696				52,16,696	5,21,670	46,95,026
12	SOFTWARE	25%	25,637		10,800		36,437	9,109	27,328
	TOTAL		**72,09,162**	**-**	**2,36,861**	**1,38,765**	**75,84,788**	**9,24,582**	**66,60,206**
ITECH									
13	ITEC-FURNITURE & FIXTURES	10%	8,02,237				8,02,237	80,224	7,22,013
14	ITEC - OFFICE EQUIPMENTS	15%	12,43,930		56,092	14,831	13,14,853	1,96,116	11,18,737
	TOTAL		**20,46,167**	**-**	**56,092**	**14,831**	**21,17,090**	**2,76,340**	**18,40,750**
	GRAND TOTAL		**92,55,329**	**-**	**2,92,953**	**1,53,596**	**97,01,877**	**12,00,922**	**85,00,955**

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
5	**INVESTMENTS**				
	DEPOSITS WITH SCHEDULED BANK		57,65,03,500		39,40,12,308
	SHARES OF UNLISTED COMPANY		85,000		-
			57,65,88,500		**39,40,12,308**
6	**CURRENT ASSETS, LOANS AND ADVANCES**				
	BALANCE WITH SCHEDULED BANK				
	- CANARA BANK	88,38,408		3,62,64,420	
	- SBI -1968	13,34,59,441		23,76,01,172	
	- SBI FCRA ACCOUNT	8,20,99,652		4,22,49,936	
	- SBI - DBT-1376	2,92,87,296		1,63,02,559	
	- SBI-BIGS	5,36,43,539		4,48,49,040	
	- HDFC BANK	5,86,40,298		4,88,12,868	
	- HDFC BANK -BIRAC SEED FUND	3,25,55,723		2,86,46,219	
	- SBI BBIF-1330903	29,77,879		28,09,893	
	- CANARA BANK-1671 (SPARSH)	20,12,749		9,99,882	
	- CANARA BANK-1675 (ITTO)	2,87,22,133		3,51,43,933	
	- HDFC BANK - I - TECH SONEPAT	77,27,644		42,65,811	
			43,99,64,761		49,79,45,732
	GRANT TO IITD (PrePaid Rent)		5,00,00,000		-
	PERMANENT GRANT TO IITD		-		-
	TAX DEDUCTED AT SOURCE (RECEIVABLE)		4,15,87,842		3,78,28,117
	DEVELOPMENT SUPPORT		4,12,670		4,12,670
	SECURITY DEPOSIT		2,19,087		2,19,087
	STAFF ADVANCE		3,68,542		5,92,830
	REIMBURSEMENT FROM AIC-SONIPAT		3,80,070		6,23,214
	IITD REIMBURSEMENTS		49,560		
	GST TDS RECEIVABLE		12,06,379		-
			53,41,88,911		**53,76,21,650**
7	**CURRENT LIABILITIES**				
7(i)	**PROJECT ACCOUNT**				
7(ia)	**OPENING BALANCE ONGOING PROJECTS**	28,57,83,929		20,46,74,484	
	ADD : TRANSFERRED FROM HOLD PROJECT	76,05,249		1,24,28,128	

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
	ADD : RECEIPTS DURING THE YEAR	38,44,12,555		32,79,76,311	
		67,78,01,734		54,50,78,923	
	LESS : UTILISED DURING THE YEAR	24,81,89,355		23,72,88,075	
	LESS : TRANSFERRED TO INCOME & EXPENDITURE A/C	1,12,90,932		1,20,68,858	
	LESS: TRANSFERRED TO HOLD PROJECT	2,55,80,548		99,38,062	
	CLOSING BALANCE ONGOING PROJECTS		**39,27,40,898**		**28,57,83,929**
7(ib)	**OPENING BALANCE PROJECT ADVANCE**	(1,08,19,715)		(80,70,395)	
	ADD : INCREASE IN PROJECT ADVANCE	(1,11,96,826)		(1,20,24,141)	
		(2,20,16,541)		(2,00,94,536)	
	LESS : DECREASE IN PROJECT ADVANCE	(67,47,581)		(92,74,821)	
	CLOSING BALANCE OF PROJECTS ADVANCE		**(1,52,68,960)**		**(1,08,19,715)**
7(ic)	**OPENING BALANCE OF PROJECTS ON HOLD**	8,59,82,307		8,84,72,374	
	ADD : INCREASE IN PROJECTS ON HOLD	2,55,80,548		99,38,062	
		11,15,62,856		9,84,10,435	
	LESS : DECREASE IN PROJECTS ON HOLD	76,05,249		1,24,28,128	
	CLOSING BALANCE OF PROJECTS ON HOLD		**10,39,57,606**		**8,59,82,307**
			48,14,29,545		**36,09,46,521**
7(ii)	**OTHER CURRENT LIABILITIES**				
	OPENING BALANCE OTHER CURRENT LIABILITIES	8,72,34,794		9,24,26,170	
	ADD : INCREASE IN OTHER CURRENT LIABILITIES	53,93,26,539		32,04,49,213	
		62,65,61,333		41,28,75,383	
	LESS : DECREASE IN OTHER CURRENT LIABILITIES	50,16,78,212		32,56,40,590	
	CLOSING BALANCE OTHER CURRENT LIABILITIES		**12,48,83,121**		**8,72,34,794**
	TOTAL [7(ia)+7(ib)+7(ic)+7(ii)]		**60,63,12,666**		**44,81,81,315**
8	**PROJECT DEVELOPMENT & TECHNOLOGY RECEIPTS**				
8(i)	**PROJECTS AND DEVELOPMENT FUNDS**		24,81,89,355		23,72,88,075
			24,81,89,355		**23,72,88,075**

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
8(ii)	**SERVICE INCOME FROM PROJECT & DEVELOPMENT FUNDS**				
	FITT OVERHEAD CHARGES FROM PROJECTS		86,49,999		87,29,542
	SEMINAR/WORKSHOPS/HRD PROG		5,60,623		14,81,134
	ROYALTY INCOME		20,80,310		18,58,182
			1,12,90,932		**1,20,68,858**
	TOTAL[8(i)+8(ii)]		**25,94,80,287**		**24,93,56,933**
9	**OTHER INCOME**				
	CORPORATE MEMBERSHIP FEE		80,000		64,000
	INEREST ON INCOME TAX REFUND		3,56,190		1,41,948
	INTEREST ON BANKS DEPOSITS / BONDS		2,17,43,303		3,62,81,728
	INTEREST ON SAVINGS ACCOUNT		96,91,153		63,50,175
	FITT BBIF & TBIU OPERATING INCOME		36,11,458		31,30,646
	FITT I-TEC- SONIPAT OPERATING INCOME		2,07,47,276		2,56,13,547
	I-TEC-INCUBATION OPERATING INCOME		10,48,082		8,67,346
	CSR Overhead		12,24,525		-
	GRANT OF SHARES FROM INCUBATEE COMPANIES		85,000		-
	MISC. INCOME		-		1,208
			5,85,86,986		**7,24,50,598**
10	**PROJECT RESEARCH & DEVELOPMENT EXPENSES**				
	PROJECT RESEARCH & DEVELPOMENT EXPENSE		23,64,75,854		21,88,36,913
	TRANSFERRED TO PROJECT & DEVELOPMENT AT SOURCE		1,17,73,501		1,84,51,162
			24,82,49,355		**23,72,88,075**
11	**ESTABLISHMENT EXPENSES**				
	EMPLOYEE PROVIDENT FUND EXPENSES		21,39,359		18,48,373
	GRATUITY ACCOUNT		-		-
	HONORARIUM / OTA		-		41,648
	HOUSE LEASE RENT		11,25,320		9,78,160
	MEDICAL EXPENSES		2,51,222		2,51,512

Schedules Forming Part of The Balance Sheet

	Particulars	31.03.2021		31.03.2020	
		Rs.	Rs.	Rs.	Rs.
	MEDICAL INSURANCE		1,83,632		49,896
	PAY & ALLOWANCES		1,47,86,850		1,64,97,848
			1,84,86,383		**1,96,67,437**
12	**ADMINISTRATIVE EXPENSES**				
	AUDIT FEES		2,00,000		2,05,000
	BANK CHARGES		6,930		26,822
	BOOKS & PERIODICALS		2,980		8,972
	COMMUNICATION EXPENSE		85,374		72,469
	CONTINGENT EXPENSES		-		14,200
	CONVEYANCE EXPENSE		1,37,455		5,39,199
	ELECTRICITY CHARGES		1,18,341		2,53,086
	FITT BBIF OPERATING EXPENSES		14,03,312		26,73,929
	FITT TBIU OPERATING EXPENSES		9,01,070		11,90,146
	FITT I-TEC-SONEPAT OPERATING EXPENSES		1,79,27,071		2,36,45,277
	MEMBERSHIP & SUBSCRIPTION		18,300		15,000
	PRINTING & STATIONERY		1,94,677		1,06,825
	PROFESSIONAL FEES		11,54,237		6,86,923
	RECRUITMENT EXPENSES		1,06,928		1,51,658
	RENT EXPENSE		3,95,136		5,26,848
	REPAIR & MAINTENANCE		30,460		9,53,098
	SEMINAR & MEETING EXPENSES		72,249		2,54,688
	TRAVELLING EXPENSES		1,05,228		1,58,216
	INTEREST ON TAX		295		553
	OFFICE EXPENSE		1,16,034		2,19,670
	Interest Expense		3,85,376		1,90,594
	PENALTY (TAXES)		1,500		18,670
	ADVT. / PUBLICITY		60,900		1,00,446
	ATAL INCUBATION CENTRE		-		25,68,490
	FITT - NSRCEL JOINT MENTORING		-		59,649
	IRD SHARE (10%) FOR TECH. T/F.		1,57,000		-
	Rouond off		13		-
	FITT SILVER JUBILEE		-		86,000
			2,35,80,866		**3,47,26,427**

Schedules Forming Part of The Balance Sheet

13: NOTES TO THE FINANCIAL STATEMENTS

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, Retainerships, Incubation Income 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.

Shares of Unlisted Company received without any monetory consideration are valued at INR 1/- per share.

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. Goods and 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 **M/S SRGA & CO.**
Chartered Accountants

For Foundation for Innovation and Technology Transfer

FCA **Sandeep Gupta**

Col. Naveen Gopal
(Chief Operating Officer)

Dr. Anil Wali
(MANAGING DIRECTOR)

Place: New Delhi
Date: 25.09.2021

Glimpses of Our Activities During 2020-2021

Launch of Covid-19 diagnostic kit

IIT Delhi's most affordable Covid- 19 diagnostic kit was launched by Shri Ramesh Pokhriyal, Minsiter of Education, GOI on July 15, 2020

FITT Startups Vizara and Cyran displayed innovations during Parliamentary committee members visit on August 31, 2020 at IIT Delhi

MOUs with FITT

FITT signed MoU with Nayara Energy and Gexcon towards the establishment of a Centre of Excellence in Process Safety & Risk Management on November 4, 2020 at the Senate Room IIT Delhi

Indigram Labs Foundation and FITT signed MoU for supporting innovators and further strengthening of the start-up ecosystem on October 5, 2020

Hyundai Motor India signed MoU with FITT, IIT Delhi on January 20, 2021 and extended Kona electric SUV for research and training

FITT have signed an MoU with MG Motors to collaborate on "Research on Connected, Electric, Autonomous Mobility" on March 15, 2021

Mr Pravir Krishn, Managing Director, TRIFED and Dr Anil Wali, Managing Director, FITT have signed an MoU to collaborate and enhance the income growth of tribals through the commercial production and sale of Mahua- Nutra-beverage, a value-added product made out of Mahua on March 17, 2021

FITT startups Clensta and E-TEX launched an anti-viral kit

On the occasion of Gandhi Jayanti,2020 E-TEX and Clensta have together launched an antiviral protection kit for masses. This antiviral kit consists of a Clensta protection lotion and hand sanitizer; E-TEX Kawach Antiviral T-Shirt and Kawach Mask

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