



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

### Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: Indian Institute of Technology Hyderabad [ARI-U-0013]

#### List all the departments / centers / units are part of innovation and startup ecosystem of the institute

| Department / Center / Unit Name | Type of Department / Center / Unit    | Mention the Stream / Discipline / Sector of focus  | Department / Center / Unit Level | Program Type | Student / Beneficiary Strength (2019-20) | Academic Staff Strength (2019-20) | Non-academic Staff Strength (2019-20) |
|---------------------------------|---------------------------------------|--|----------------------------------|--------------|--|-----------------------------------|---------------------------------------|
| Biomedical Engineering          | Academic Department with lab facility | Medical Devices, Neurotechnology, Neuroscience, rehabilitation, Biosensors, 3 D bio printing, Biomaterials, Nanomedicine, AI in healthcare, Biomedical Imaging   | UG / PG / PhD                    | Technical    | 140                                      | 11                                | 0                                     |
| Biotechnology                   | Academic Department with lab facility | Disease mechanisms, Preclinical drug discovery, Neurodegenerative diseases, Protein misfolding mechanisms, DNA damage and repair, Antimicrobial resistance, Biomolecular interactions, Machine learning, Simple sequence repeat expansion disorders, Microbial Genomics, Biomolecular NMR, Cancer genomics and therapeutics, AI in healthcare, RNA Biology and therapeutics Enzyme engineering for industrial applications, Biometreials engineering, Vaccine design | UG / PG / PhD                    | Technical    | 48                                       | 8                                 | 3                                     |

List all the departments / centers / units are part of innovation and startup ecosystem of the institute

|   |                                       |   |               |           |     |    |    |
|---|---------------------------------------|---|---------------|-----------|-----|----|----|
| Chemical Engineering                            | Academic Department with lab facility | Advanced Materials, AL&ML in chemical Engineering, Bio-engineering & Biotechnology, Computational & Systems Biology, Mineral Processing, Multi-phase flows & Particulate Technology, Energy Conversion & Storage, Fluid Mechanics, Heterogeneous Catalysis, Process Systems Engineering, Polymer Science & Engineering, Techno-economic Analysis, DFT & MD.   | UG / PG / PhD | Technical | 208 | 18 | 4  |
| Civil Engineering                               | Academic Department with lab facility | Structural engineering, Environmental engineering, Water resources engineering, Transportation engineering and Geotechnical engineering   | UG / PG / PhD | Technical | 321 | 20 | 4  |
| Computer Science and Engineering                | Academic Department with lab facility | Theoretical Computer Science, Data Sciences, Artificial Intelligence and Machine Learning, Computer Networks, Compilers, Formal Methods, Distributed Systems  | UG / PG / PhD | Technical | 463 | 22 | 6  |
| Electrical Engineering                          | Academic Department with lab facility | Microelectronics & VLSI (VLSI/ULSI IC design, Nanoelectronics, optoelectronic, 3DIC, MEMS-ASIC, Embedded systems, Analog, digital and mixed signal VLSI), Communication and Signal Processing (5G, mmWave and LiFi comm, 3D immersive display, AI and ML, IoT and cyber physics, IT, Speech and multimedia signal processing), Power electronics and power systems (Microgrids, Multilevel inverters and drives, Power quality, SMPC, Power system stability and protection, Smart grids, WAM), Systems and control | UG / PG / PhD | Technical | 502 | 33 | 24 |
| Materials Science and Metallurgical Engineering | Academic Department with lab facility | Nano-materials, Biomaterials, Energy Materials, Electron Microscopy, Thermo-mechanical processing, Thin films and devices   | UG / PG / PhD | Technical | 140 | 15 | 4  |

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

|                                      |                                       |   |               |               |     |    |    |
|--------------------------------------|---------------------------------------|---|---------------|---------------|-----|----|----|
| Mechanical and Aerospace Engineering | Academic Department with lab facility | Mechanics and Design, Thermofluids Engineering, Integrated Design and Manufacturing, Aerospace Engineering  | UG / PG / PhD | Technical     | 337 | 23 | 6  |
| Chemistry                            | Academic Department with lab facility | Synthesis of Natural and aesthetically pleasing, Nanomaterials and Energy Systems, Energy Materials & Devices, Transition-metal catalyzed transformations, Catalysis, Organometallic Chemistry, Photoredox Catalysis, Computational Chemistry (Spectroscopy), Batteries and ultracapacitors, Bioinspired Catalysis, Laser spectroscopy of molecules and clusters, Strongly Correlated Materials, Bioorganic Chemistry, Functional Organic Materials and Supramolecular Chemistry, Biophysical Chemistry | UG / PG / PhD | Technical     | 150 | 16 | 8  |
| Physics                              | Academic Department with lab facility | High energy, Astro physics, Neutrino Physics, LHC, Higgs boson, QCD, Dark matter, Gravity, Ferroelectrics; Energy, Storage; Piezoelectrics; Multiferroics; Piezoluminescence, Thin Films; Solar Cell, Condensed Matter, soft matter.  | UG / PG / PhD | Technical     | 275 | 18 | 10 |
| Mathematics                          | Academic Department with lab facility | Algebra, Analysis, Number Theory, Fluid Dynamics, PDE, Statistics, Machine Learning   | UG / PG / PhD | Technical     | 85  | 15 | 1  |
| Liberal Arts                         | Academic Department with lab facility | Anthropology, cultural studies, Development Studies, Economics, English, Linguistics, Psychology, Sociology   | At all level  | Non-Technical | 68  | 19 | 2  |
| Design                               | Academic Department with lab facility | 3D Printing Lab, Screen Printing, Audio Edit, Clay Workshop, DIC Laser Cutting, Mac Photography Studio  | UG / PG / PhD | Technical     | 63  | 7  | 3  |

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

|  |   |  |               |           |     |   |   |
|--|---|--|---------------|-----------|-----|---|---|
| Artificial Intelligence  | Academic Department with lab facility               | Artificial Intelligence, Machine Learning, Computer Vision, Speech Understanding, Natural Language Processing, Embedded AI, Distributed AI, Applications of AI/ML in Healthcare, Wireless Networks, Energy, Intelligent Transport, Agriculture, Security/Surveillance, etc                               | UG / PG / PhD | Technical | 50  | 0 | 0 |
| Climate Change   | Academic Department with lab facility               | Urban Climate, Rainfall, Floods, Droughts, Air Quality, Environmental Health, Heat, Renewable Energy, Carbon Neutral Fuel, High Performance Computing (HPC), Machine Learning (ML) and Artificial Intelligence (AI) for Weather and Climate, Smart Infrastructure  | UG / PG / PhD | Technical | 7   | 0 | 0 |
| i-TIC foundation   | Incubation Unit                                     | Artificial Intelligence, Aerospace, Telecommunication, Digital Manufacturing, Chip Design, Sensors, IT, Bio-Medical, Automotive, Advanced Materials, Energy, Flexible Electronics and Other Emerging Technologies  | At all level  | Technical | 125 | 0 | 2 |
| Center for Healthcare Entrepreneurship                                 | Incubation Unit                                     | Healthcare and Medical Devices   | At all level  | Technical | 32  | 0 | 5 |
| Fabless Chip Design Incubator  | Incubation Unit                                     | PAN India Incubator for VLSI Chip design   | At all level  | Technical | 14  | 0 | 1 |
| Research Park  | Research Unit / Park                                | Industry-Academic Collaboration  | At all level  | Technical | 69  | 0 | 1 |
| DST NM-ICPS Technology Innovation Hub on Autonomous Navigation (TiHAN) | Centre of Excellence with Advance Tools & Equipment | Autonomous Navigation and Data Acquisition Systems (UAVs, ROVs, etc)   | At all level  | Technical | 0   | 0 | 0 |
| Design Innovation Center   | Centre of Excellence with Advance Tools & Equipment | Digital Preservation of National Heritage, Design Education of Indian Schools, Course Design of Primary School, Design and Development of Autonomous Passenger Drone, Artificial Intelligence in Art Techniques, Product design for rural/urban segments, Learning Pedagogy using Indian Toy and Culture | At all level  | Technical | 20  | 0 | 3 |

List all the departments / centers / units are part of innovation and startup ecosystem of the institute

|   |  |  |               |           |      |   |    |
|---|--|--|---------------|-----------|------|---|----|
| IPR Cell and IP Facilitation Center                                   | IPR Cell / Patent Facilitation Unit / Technology Transfer Centre | Liaison with the IP office & Patent Attorney for filing of National & International patent application, conducting awareness and training program on IPR & its allied topics, Patent landscaping for business development, Making technology patentability assessment report, Exploring the opportunities for Technology Transfer etc. | At all level  | Technical | 14   | 0 | 1  |
| Central workshop  | Centre of Excellence with Advance Tools & Equipment              | Fabrication needs in support of research, training undergraduate students in hands-on skills, 5 axis CNC machining, welding, machining, wire-cut EDM   | UG / PG / PhD | Technical | 150  | 0 | 10 |
| Tinkerers lab   | Pre-incubation unit  | Tinkerers Lab (TL): 3D Printing, Basic Electronics, Microelectronics, Raspberry Pi, Arduino, Table top lathe   | At all level  | Technical | 2000 | 0 | 0  |
| E-Cell  | Pre-incubation unit  | Student lead Entrepreneurship activities, E-Summit, conducting hackathons, all technology sectors  | At all level  | Technical | 40   | 0 | 0  |
| TEQIP-KITE Center   | Centre of Excellence with Advance Tools & Equipment              | Any Subject Domain, IT-ITes, Advance Pedagogy  | At all level  | Technical | 346  | 0 | 1  |
| Teaching and learning center  | Centre of Excellence with Advance Tools & Equipment              | Pedagogy, teaching, learning, faculty development programs, ICT-enabled teaching   | At all level  | Both      | 500  | 0 | 0  |
| Center of Excellence in Sustainable Development (FAST Center of MHRD) | Centre of Excellence with Advance Tools & Equipment              | Sustainable Construction Materials, Environmental solutions, Sustainable Water management, Social development in urban centers   | At all level  | Both      | 10   | 0 | 0  |
| Nano-X Fabrication facility   | Centre of Excellence with Advance Tools & Equipment              | Nanoelectronics, Nanotechnology, MEMS, Sensors, Optoelectronics, Photonics, Nanomagnetism, Smart Materials,  | At all level  | Both      | 20   | 0 | 1  |

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

|                                  |   |   |               |           |      |   |   |
|----------------------------------|---|---|---------------|-----------|------|---|---|
| Engineering Science              | Academic Department with lab facility               | BioTech, Biomed, Chemical, Civil, Computer Science and Engineering, Electrical, Mechanical, Material Science, -- Chemistry, Design, Economics, Mathematics, Physics or Psychology | UG / PG / PhD | Technical | 80   | 0 | 0 |
| Computer Centre                  | Centre of Excellence with Advance Tools & Equipment | Data Centre with 250 Server facility  | At all level  | Technical | 3500 | 0 | 8 |
| Centre of Cyber Physical Systems | Centre of Excellence with Advance Tools & Equipment | A center to create, develop, and prototype ideas for a smarter living with huge impact on Indian society and economy  | At all level  | Both      | 2    | 0 | 1 |
| AI Centre                        | Centre of Excellence with Advance Tools & Equipment | Carry out cutting-edge research in AI bringing in perspectives from multiple disciplines, engaging with industry and government organizations, and encouraging entrepreneurship.  | At all level  | Technical | 50   | 0 | 0 |

**Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)**

| Programs/Initiatives   | Status | Registration ID                   |
|--|--------|-----------------------------------|
| Adopted National Innovation and Start-up Policy at the HEI   | Yes    | Not Required                      |
| Establishment of Institution's Innovation Council (IIC) at HEI   | Yes    | IIC Registration ID : IC201811251 |
| Trained Innovation Ambassadors at HEI  | No     | Not Required                      |
| Participation in Smart India Hackathon (SIH)   | Yes    | Not Required                      |
| Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC | Yes    | Not Required                      |
| Participation in National Education Alliance of Technology (NEAT)  | No     | Not Required                      |

**Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

| Srno | Name of Program (Full Name) | Program Theme | Program Type | Program Category        | Organizing Department / Centre / Student Body Name | Program Start Date  | Program End Date    | Program Duration(in Days) | Program Location | Internal Participants (Student) | Internal Participants (Faculty) | External Participants (Student) | External Participants (Faculty) | Total Number of Participants | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research? |
|------|-----------------------------|---------------|--------------|-------------------------|--|---------------------|---------------------|---------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|---|--|
| 1    | Gitanjali School Visit      | Innovation    | Demo Day     | Institute Lead Activity | AI Department IIT Hyderabad                        | 18-12-2019 00:00:00 | 18-12-2019 00:00:00 | 1                         | Within Campus    | 5                               | 2                               | 60                              | 3                               | 70                           | No  | No   |

**Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

|    |   |                          |                   |                         |  |                     |                     |    |                |    |   |    |   |    |  |       |    |
|----|---|--------------------------|-------------------|-------------------------|--|---------------------|---------------------|----|----------------|----|---|----|---|----|--|-------|----|
| 2  | FabCI Promo Event                                 | Entrepreneurship/Startup | Awareness         | Institute Lead Activity | i-TIC Foundation IITH                            | 21-06-2019 00:00:00 | 21-06-2019 00:00:00 | 1  | Outside Campus | 0  | 5 | 60 | 0 | 65 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 48626 | No |
| 3  | VC Connect Event                                  | Entrepreneurship/Startup | Awareness         | Institute Lead Activity | i-TIC Foundation IITH                            | 19-09-2019 00:00:00 | 19-09-2019 00:00:00 | 1  | Outside Campus | 0  | 5 | 60 | 0 | 65 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 55410 | No |
| 4  | IPR Clinic  | Entrepreneurship/Startup | Seminar           | Institute Lead Activity | i-TIC Foundation IITH                            | 06-08-2019 00:00:00 | 06-08-2019 00:00:00 | 1  | Within Campus  | 0  | 2 | 15 | 0 | 17 | No   | No    |    |
| 5  | Mentorship Session                                | Entrepreneurship/Startup | Mentoring Session | Institute Lead Activity | i-TIC Foundation IITH                            | 17-07-2019 00:00:00 | 17-07-2019 00:00:00 | 1  | Within Campus  | 1  | 0 | 0  | 1 | 2  | No   | No    |    |
| 6  | Mentorship Session                                | Entrepreneurship/Startup | Mentoring Session | Institute Lead Activity | i-TIC Foundation IITH                            | 26-07-2019 00:00:00 | 26-07-2019 00:00:00 | 1  | Within Campus  | 1  | 1 | 0  | 1 | 3  | No   | No    |    |
| 7  | GeM   | Entrepreneurship/Startup | Seminar           | Institute Lead Activity | i-TIC Foundation IITH                            | 18-10-2019 00:00:00 | 18-10-2019 00:00:00 | 1  | Within Campus  | 12 | 8 | 17 | 0 | 37 | No   | No    |    |
| 8  | Smart India Hackathon 2020 (SIH 2020)             | Innovation               | Hackathon         | Institute Lead Activity | Ministry of Education                            | 20-02-2020 00:00:00 | 31-03-2020 00:00:00 | 41 | Outside Campus | 24 | 1 | 0  | 0 | 25 | No   | No    |    |
| 9  | Patent search database demo by XL Patent Company  | IPR                      | Demo Day          | Institute Lead Activity | Intellectual Property Facilitation Center (IPFC) | 19-02-2020 00:00:00 | 19-02-2020 00:00:00 | 1  | Within Campus  | 0  | 1 | 0  | 0 | 1  | No   | No    |    |
| 10 | Patent search database demo by Orbit Intelligence | IPR                      | Demo Day          | Institute Lead Activity | Intellectual Property Facilitation Center (IPFC) | 05-03-2020 00:00:00 | 05-03-2020 00:00:00 | 1  | Within Campus  | 0  | 1 | 0  | 0 | 1  | No   | No    |    |
| 11 | Patent search database demo by Patentcloud        | IPR                      | Demo Day          | Institute Lead Activity | Intellectual Property Facilitation Center (IPFC) | 25-02-2020 00:00:00 | 25-02-2020 00:00:00 | 1  | Within Campus  | 0  | 1 | 0  | 0 | 1  | No   | No    |    |

**Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

|    |  |                          |            |                         |   |                     |                     |   |               |    |     |    |   |     |  |           |    |
|----|--|--------------------------|------------|-------------------------|---|---------------------|---------------------|---|---------------|----|-----|----|---|-----|--|-----------|----|
| 12 | Med Tech Symposium   | Entrepreneurship/Startup | Conference | Institute Lead Activity | Center for Healthcare Entrepreneurship, IIT Hyderabad     | 25-01-2020 00:00:00 | 25-01-2020 00:00:00 | 1 | Within Campus | 35 | 20  | 65 | 0 | 120 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 1000000   | No |
| 13 | Faculty Summer Training Program on Advanced Pedagogies Batch#1&2,3,4,5,6,7 | IPR                      | Workshop   | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 13-05-2019 00:00:00 | 17-05-2019 00:00:00 | 5 | Within Campus | 0  | 129 | 0  | 0 | 129 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 3013160.4 | No |
| 14 | Advanced Materials Characterization Techniques                             | IPR                      | Workshop   | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 27-08-2019 00:00:00 | 01-09-2019 00:00:00 | 6 | Within Campus | 18 | 9   | 0  | 0 | 27  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 588096.65 | No |
| 15 | Concepts & Application of the Finite Element Method                        | IPR                      | Workshop   | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 02-09-2019 00:00:00 | 07-09-2019 00:00:00 | 6 | Within Campus | 17 | 9   | 0  | 0 | 26  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 600000    | No |
| 16 | Quantum Optics: Quantum Mechanics in Optics and Electron Microscopy        | IPR                      | Workshop   | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 14-10-2019 00:00:00 | 19-10-2019 00:00:00 | 6 | Within Campus | 22 | 1   | 0  | 0 | 23  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 402131    | No |
| 17 | Advanced Functional Analysis & its Applications                            | IPR                      | Workshop   | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 25-11-2019 00:00:00 | 29-11-2019 00:00:00 | 5 | Within Campus | 15 | 0   | 0  | 0 | 15  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 317145.24 | No |
| 18 | Energy Conversion & Storage  | IPR                      | Workshop   | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 02-12-2019 00:00:00 | 07-12-2019 00:00:00 | 6 | Within Campus | 14 | 5   | 0  | 0 | 19  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 421110.5  | No |



**Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

|    |   |                          |                |                         |   |                     |                     |    |                |    |    |    |    |    |  |           |    |
|----|---|--------------------------|----------------|-------------------------|---|---------------------|---------------------|----|----------------|----|----|----|----|----|--|-----------|----|
| 19 | 3D Bio printing and Bio fabrication Technologies and their Applications | IPR                      | Workshop       | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 09-12-2019 00:00:00 | 14-12-2019 00:00:00 | 6  | Within Campus  | 21 | 3  | 0  | 0  | 24 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 544382    | No |
| 20 | Blockchain & its Technology   | IPR                      | Workshop       | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 16-12-2019 00:00:00 | 20-12-2019 00:00:00 | 5  | Within Campus  | 0  | 19 | 0  | 0  | 19 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 649197    | No |
| 21 | IoT Through Single Board Computer                                       | Entrepreneurship/Startup | Workshop       | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 24-02-2020 00:00:00 | 28-02-2020 00:00:00 | 5  | Outside Campus | 0  | 0  | 37 | 10 | 47 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 561482.2  | No |
| 22 | Admin and Lab Integration Management                                    | IPR                      | Workshop       | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 25-02-2020 00:00:00 | 26-02-2020 00:00:00 | 2  | Outside Campus | 0  | 0  | 0  | 21 | 21 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 79491.21  | No |
| 23 | Building of Solar Lights  | IPR                      | Workshop       | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 16-03-2020 00:00:00 | 20-03-2020 00:00:00 | 5  | Within Campus  | 0  | 0  | 9  | 1  | 10 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 238923    | No |
| 24 | Faculty Summer Internship-2019  | Innovation               | Training       | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 01-05-2019 00:00:00 | 30-07-2019 00:00:00 | 91 | Within Campus  | 0  | 10 | 0  | 0  | 10 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 531422.28 | No |
| 25 | Student Summer Internship- 2019   | Innovation               | Training       | Institute Lead Activity | Technical Education Quality Improvement Programme (TEQIP) | 01-06-2019 00:00:00 | 30-06-2019 00:00:00 | 30 | Within Campus  | 39 | 0  | 0  | 0  | 39 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 1080546   | No |
| 26 | Exposure Visit  | Entrepreneurship/Startup | Exposure visit | Institute Lead Activity | i-TIC Foundation IITH                                     | 26-07-2019 00:00:00 | 26-07-2019 00:00:00 | 1  | Within Campus  | 0  | 1  | 20 | 0  | 21 | No   | No        |    |

**Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

|    |               |                           |                     |                       |                      |                     |                     |   |               |    |   |     |   |     |  |         |    |
|----|---------------|---------------------------|---------------------|-----------------------|----------------------|---------------------|---------------------|---|---------------|----|---|-----|---|-----|--|---------|----|
| 27 | E-Summit 2020 | Entrepreneurship/Start-up | B-Plan Competitions | Student Lead Activity | E-Cell IIT Hyderabad | 18-01-2020 00:00:00 | 19-01-2020 00:00:00 | 2 | Within Campus | 20 | 0 | 280 | 0 | 300 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 1200000 | No |
|----|---------------|---------------------------|---------------------|-----------------------|----------------------|---------------------|---------------------|---|---------------|----|---|-----|---|-----|--|---------|----|

**Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

| Smo | Name of Program (Full Name)   | Program Theme | Program Type | Organizing Agency / Institute Name    | Organizing Agency Type           | Program Start Date  | Program End Date    | Program Duration(in Days) | Participants (Students) | Participants (Faculty) | Total Number of Participants | Awards/Recognitions/Achievements | Award / Position / Recognition Secured | Title of Innovation / Start-up Secured the Award / Recognition | Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research |    |
|-----|---|---------------|--------------|---------------------------------------|----------------------------------|---------------------|---------------------|---------------------------|-------------------------|------------------------|------------------------------|----------------------------------|--|--|---|---|----|
| 1   | Amazon Research Days  | Innovation    | Workshop     | Amazon                                | Corporate / Industry Association | 20-09-2019 00:00:00 | 20-09-2019 00:00:00 | 1                         | 6                       | 2                      | 8                            | No                               | ---                                    | ---  | No  | No  |    |
| 2   | LinkedIn-MSR-IISc workshop on Fairness, Accountability, Transparency and Ethics in Machine Learning | Innovation    | Workshop     | LinkedIn, Microsoft Research and IISc | Corporate / Industry Association | 09-01-2020 00:00:00 | 10-01-2020 00:00:00 | 2                         | 8                       | 2                      | 10                           | No                               | ---                                    | ---  | No  | No  |    |
| 3   | Workshop on AI for Social Good  | Innovation    | Workshop     | Google Research                       | Corporate / Industry Association | 04-11-2019 00:00:00 | 05-11-2019 00:00:00 | 2                         | 0                       | 1                      | 1                            | No                               | ---                                    | ---  | No  | No  |    |
| 4   | Intel India Research Colloquium and open house 2019   | Innovation    | Workshop     | Intel India                           | Corporate / Industry Association | 21-10-2019 00:00:00 | 22-10-2019 00:00:00 | 2                         | 0                       | 1                      | 1                            | No                               | ---                                    | ---  | No  | No  |    |
| 5   | Cadence User Conference CDNLive India 2019  | Innovation    | Conference   | Cadence                               | Corporate / Industry Association | 28-08-2019 00:00:00 | 29-08-2019 00:00:00 | 2                         | 0                       | 2                      | 2                            | No                               | ---                                    | ---  | Total Expense Amount Incurred by Institute? (In Rupees)   | 1000  | No |
| 6   | IKMC 2019 - Planet and We   | Innovation    | Conference   | IKP                                   | Corporate / Industry Association | 08-11-2019 00:00:00 | 09-11-2019 00:00:00 | 2                         | 0                       | 1                      | 1                            | No                               | ---                                    | ---  | No  | No  |    |

**Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

|   |   |                          |                |  |                    |                     |                     |   |    |   |    |    |     |     |   |        |    |
|---|---|--------------------------|----------------|--|--------------------|---------------------|---------------------|---|----|---|----|----|-----|-----|---|--------|----|
| 7 | VC Connect-CfHE Bangalore, Bangalore International Centre (BIC), Domlur | Entrepreneurship/Startup | Exposure visit | Bangalore International Centre (BIC), Domlur | Non-Govt. Agencies | 19-09-2019 00:00:00 | 19-09-2019 00:00:00 | 1 | 20 | 9 | 29 | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 250000 | No |
|---|---|--------------------------|----------------|--|--------------------|---------------------|---------------------|---|----|---|----|----|-----|-----|---|--------|----|

**List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)**

| Srno | Title of Course/Subject Offered                      | Program Theme            | Type of Course              | Course Offering Department/Centre/Unit Name | Level of Course                      | Program Start Date | Program End Date | Program Duration(in Days) | Mode of Delivery | Total Numbers of Participants | Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours) |
|------|--|--------------------------|-----------------------------|---|--------------------------------------|--------------------|------------------|---------------------------|------------------|-------------------------------|--|
| 1    | Professional Program in AI and Emerging Technologies | Innovation               | Short term Course           | Short Term Certificate Course               | AI Department                        | 01-06-2019         | 31-07-2019       | 61                        | Offline          | 120                           | 180  |
| 2    | Minor in Entrepreneurship Sem-1 curriculum           | Entrepreneurship/Startup | Elective/Core Credit Course | Credit Course (Elective)                    | Department of Liberal Arts           | 29-07-2019         | 11-12-2019       | 136                       | Offline          | 45                            | 42   |
| 3    | Minor in Entrepreneurship Sem-2 curriculum           | Entrepreneurship/Startup | Elective/Core Credit Course | Credit Course (Elective)                    | Department of Liberal Arts           | 02-01-2020         | 09-05-2020       | 129                       | Offline          | 45                            | 42   |
| 4    | Minor in Entrepreneurship Sem-3 curriculum           | Entrepreneurship/Startup | Elective/Core Credit Course | Credit Course (Elective)                    | Department of Liberal Arts           | 29-07-2019         | 11-12-2019       | 136                       | Offline          | 45                            | 42   |
| 5    | Minor in Entrepreneurship Sem-4 curriculum           | Entrepreneurship/Startup | Elective/Core Credit Course | Credit Course (Elective)                    | Department of Liberal Arts           | 02-01-2020         | 09-05-2020       | 129                       | Offline          | 45                            | 42   |
| 6    | Independent project ID1035                           | IPR                      | Elective/Core Credit Course | Bachelor                                    | Department of Electrical Engineering | 29-07-2019         | 27-01-2020       | 183                       | Offline          | 316                           | 50   |

**List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)**

**No Data Filled!**

**List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)**

| Srno | Faculty Name      | Department/Centre/Unit Name                              | Designation         | Do you have a degree in I&E & IPR? | Had the faculty received training on I&E & IPR during AY 2019-20 |
|------|-------------------|--|---------------------|------------------------------------|--|
| 1    | Dr. Abhinav Kumar | IPR Cell and IP Facilitation Center                      | Associate Professor | No                                 | No   |
| 2    | Prof. Renu John   | Center for Healthcare Entrepreneurship (Incubation Unit) | Professor           | No                                 | No   |
| 3    | Dr Siva Vanjari   | Fabless Chip Design (Pre-Incubation Unit)                | Associate Professor | No                                 | No   |

|    |                         |  |                     |    |    |
|----|-------------------------|--|---------------------|----|----|
| 4  | Prof S Surya            | iTIC foundation (Incubation Unit)                                      | Professor           | No | No |
| 5  | Prof. Venkatesham B     | Mechanical and Aerospace Engineering (Former iTIC Incubation incharge) | Associate Professor | No | No |
| 6  | Prof. M.P. Ganesh       | Liberal Arts   | Associate Professor | No | No |
| 7  | Prof Ch. Subrahmanyam   | Research Park  | Professor           | No | No |
| 8  | Prof Deepak John        | Design Innovation Center   | Professor           | No | No |
| 9  | Dr. Sushmee Badhulika   | Tinkerers lab  | Associate Professor | No | No |
| 10 | Dr. Ranjeeth Ramadhurai | Teaching and learning center   | Associate Professor | No | No |
| 11 | Prof Zafar              | Centre of Cyber Physical Systems                                       | Professor           | No | No |
| 12 | Dr. Vineeth             | AI Centre  | Assistant Professor | No | No |
| 13 | Prof Suhas Dey          | TEQIP-KITE Center  | Professor           | No | No |
| 14 | Prof KVL Subrahmanyam   | Center of Excellence in Sustainable Development (FAST Center of MHRD)  | Professor           | No | No |
| 15 | Dr. LakshmiPrasad       | E-cell   | Assistant Professor | No | No |
| 16 | Dr. K Badrinath         | Central workshop   | Associate Professor | No | No |
| 17 | Prof P Rajalakshmi      | DST NM-ICPS Technology Innovation Hub on Autonomous Navigation (TiHAN) | Professor           | No | No |

**List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus**

| Srno | Name of Student Club                     | Type of Club | Year of Establishment | Type of Facilities Available at the Club | Student Club with Access to Other I&E Facilities at the HEI  | No of Programs/Activities Organized by the Student Club During the AY 2019-20 | Student Club Team Lead Name | Student Club Team Lead Email | Student Club Team Lead Phone |
|------|--|--------------|-----------------------|--|--|---|-----------------------------|------------------------------|------------------------------|
| 1    | ecell                                    | Idea Club    | 2011                  | Work Stations                            | Pre-Incubation Unit,Incubation Unit  | 5   | Dharmgya Sharma             | me17btech11021@iith.ac.in    | 8570040404                   |
| 2    | Aero - Aeronautics and Drone Design Club | Idea Club    | 2018                  | Co-working Space,3D Printing             | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park,Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 3   | Siddhant Chandorkar         | aero@gymkhana.iith.ac.in     | 9664733167                   |

|   |   |           |      |                              |  |   |                  |                                 |            |
|---|---|-----------|------|------------------------------|--|---|------------------|---------------------------------|------------|
| 3 | Cepheid - The Astronomy and Astrophysics Club         | Idea Club | 2012 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 4 | Srivatsan K      | cepheid@gymkhana.iith.ac.in     | 9032443379 |
| 4 | Elektronika - The Electronics Club                    | Idea Club | 2009 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 4 | Vedala Sai Ashok | elektronika@gymkhana.iith.ac.in | 9640240203 |
| 5 | Epoch - The Machine Learning Data Science Club        | Idea Club | 2019 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 3 | Apoorve kalot    | epoch@gymkhana.iith.ac.in       | 8949437977 |
| 6 | Infero - The Algorithmic and Logical Reasoning Club   | Idea Club | 2009 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 7 | Govind Balaji    | infero@gymkhana.iith.ac.in      | 9445908981 |
| 7 | Kludge - The Information Security and Networking Club | Idea Club | 2009 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 2 | Bharadwaj P      | kludge@gymkhana.iith.ac.in      | 9705240569 |

|    |   |           |      |                              |  |   |                     |                             |            |
|----|---|-----------|------|------------------------------|--|---|---------------------|-----------------------------|------------|
| 8  | Lambda - The Dev Club                               | Idea Club | 2009 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 4 | Vishnu VS           | lambda@iith.ac.in           | 9072217361 |
| 9  | Prakriti - Nature club of IITH                      | Idea Club | 2012 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 3 | Adil                | prakriti@iith.ac.in         | 7095175683 |
| 10 | Robotix - The Robotics and Automation Club          | Idea Club | 2009 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 4 | Sanskar Nanegaonkar | robotix@gymkhana.iith.ac.in | 8888491223 |
| 11 | Torque - The Automobile Engineering and Design Club | Idea Club | 2009 | Co-working Space,3D Printing | Pre-Incubation Unit,Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,No Such Facilities Exist in the Campus | 3 | Sairaj Kamble       | torque@iith.ac.in           | 7776095439 |

**List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

| Slno | Name of Pre-Incubation Centre | Type of Facility | Year of Establishment | Type of Facilities Available at the Centre | Pre-Incubation with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional) | Facility Details | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20 | Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities? |
|------|-------------------------------|------------------|-----------------------|--|---|---|------------------|---|---|--|--|
|------|-------------------------------|------------------|-----------------------|--|---|---|------------------|---|---|--|--|

**List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

|                                 |   |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
|---------------------------------|---|-------------------|------|---|---|---|---|------------------------|---|-------------------------|-------------------------|-------------------------|------------|---|-----|----|-----|
| 1                               | Central Workshop                                      | Maker's Space     | 2009 | 3D Printing & Prototype Equipment                                 | Centre of Excellence with Advance Tools | Centre of Excellence with Advance Tools | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Badarinnath Karri</td> </tr> <tr> <td>Facility Incharge Email</td> <td>fic.cw@iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>4023000000</td> </tr> </table>      | Facility Incharge Name | Badarinnath Karri   | Facility Incharge Email | fic.cw@iith.ac.in       | Facility Incharge Phone | 4023000000 | 4 | Yes | No | Yes |
| Facility Incharge Name          | Badarinnath Karri                                     |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Facility Incharge Email         | fic.cw@iith.ac.in                                     |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Facility Incharge Phone         | 4023000000  |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Source of Grant / Fund          |   |                   |      | Agency Name   |   |   | Agency Type   |                        | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) |                         |                         |                         |            |   |     |    |     |
| Institute's Own Fund / Resource |   |                   |      | IIT Hyderabad   |   |   | Educational Institute   |                        | 600000  |                         |                         |                         |            |   |     |    |     |
| 2                               | Tinkerers Lab   | Tinkering Lab     | 2018 | Co-working Space,3D Printing & Prototype Equipment, Work Stations | Innovation Labs,Student Clubs           | Innovation Labs,Student Clubs           | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr Sushmee Badhulika</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sbadh@ee.iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>4023016507</td> </tr> </table> | Facility Incharge Name | Dr Sushmee Badhulika  | Facility Incharge Email | sbadh@ee.iith.ac.in     | Facility Incharge Phone | 4023016507 | 0 | No  | No | Yes |
| Facility Incharge Name          | Dr Sushmee Badhulika                                  |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Facility Incharge Email         | sbadh@ee.iith.ac.in                                   |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Facility Incharge Phone         | 4023016507  |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Source of Grant / Fund          |   |                   |      | Agency Name   |   |   | Agency Type   |                        | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) |                         |                         |                         |            |   |     |    |     |
| Funding Agency                  |   |                   |      | Maker Bhavan Foundation   |   |   | International Agencies  |                        | 4550000   |                         |                         |                         |            |   |     |    |     |
| 3                               | Center for Healthcare Entrepreneurship, IIT Hyderabad | Innovation Centre | 2016 | Co-working Space  | Incubation Unit                         | Incubation Unit                         | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Renu John</td> </tr> <tr> <td>Facility Incharge Email</td> <td>renujohn@bme.iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8985156631</td> </tr> </table>  | Facility Incharge Name | Prof. Renu John   | Facility Incharge Email | renujohn@bme.iith.ac.in | Facility Incharge Phone | 8985156631 | 5 | Yes | No | No  |
| Facility Incharge Name          | Prof. Renu John                                       |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Facility Incharge Email         | renujohn@bme.iith.ac.in                               |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |
| Facility Incharge Phone         | 8985156631  |                   |      |   |   |   |   |                        |   |                         |                         |                         |            |   |     |    |     |

**List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

|   |                                |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
|---|--------------------------------|-------------------|------|--|--|--|---|------------------------|---------------------|-------------------------|------------------------------|-------------------------|-------------|----|-----|---|-----|--|--|---|--|---|---|--------|----|
| 4   | E-Cell                         | Startup Cell      | 2011 | Co-working Space, Work Stations                                    | Student Clubs  | Student Clubs  | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Praveen Meduri</td> </tr> <tr> <td>Facility Incharge Email</td> <td>meduripraveen@che.iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04023017052</td> </tr> </table> | Facility Incharge Name | Dr. Praveen Meduri  | Facility Incharge Email | meduripraveen@che.iith.ac.in | Facility Incharge Phone | 04023017052 | 30 | No  | No  | No  |  |  |   |  |   |   |        |    |
| Facility Incharge Name  | Dr. Praveen Meduri             |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Facility Incharge Email   | meduripraveen@che.iith.ac.in   |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Facility Incharge Phone   | 04023017052                    |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| 5   | i-TIC Foundation IIT Hyderabad | Innovation Centre | 2016 | Co-working Space, 3D Printing & Prototype Equipment, Work Stations | Incubation Unit, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs | Incubation Unit, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. S. Suryakumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>fic.irp@iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9494871513</td> </tr> </table>           | Facility Incharge Name | Prof. S. Suryakumar | Facility Incharge Email | fic.irp@iith.ac.in           | Facility Incharge Phone | 9494871513  | 7  | Yes | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>175304</td> </tr> </table> | Yes |  | Total Annual Income from Training and Skill Development Services (In Rupees) | 0 | Total Annual Income from (Technical and Business) Mentoring Services (In Rupees) | 0 | Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees) | 175304 | No |
| Facility Incharge Name  | Prof. S. Suryakumar            |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Facility Incharge Email   | fic.irp@iith.ac.in             |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Facility Incharge Phone   | 9494871513                     |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Yes   |                                |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Total Annual Income from Training and Skill Development Services (In Rupees)                  | 0                              |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)              | 0                              |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |
| Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees) | 175304                         |                   |      |  |  |  |   |                        |                     |                         |                              |                         |             |    |     |   |     |  |  |   |  |   |   |        |    |

**List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

| Srno | Name of CoE Facility | Year of Establishment | CoE with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with CoE, if any (Optional) | Facility Details | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20? | Had institute Generated Income either from Services Offered by CoE Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities? |
|------|----------------------|-----------------------|--|---|------------------|---|--|---|---|
|------|----------------------|-----------------------|--|---|------------------|---|--|---|---|



**List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

|                         |                               |  |                 |                        |  |  |                       |                         |                          |                         |             |   |    |    |     |
|-------------------------|-------------------------------|--|-----------------|------------------------|--|--|-----------------------|-------------------------|--------------------------|-------------------------|-------------|---|----|----|-----|
| 1                       | Fabless Chip Design Incubator | 2017   | Innovation Labs |                        | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Siva Rama Krishna</td> </tr> <tr> <td>Facility Incharge Email</td> <td>svanjar i@ee.iitth.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>78933 85484</td> </tr> </table> | Facility Incharge Name   | Dr. Siva Rama Krishna | Facility Incharge Email | svanjar i@ee.iitth.ac.in | Facility Incharge Phone | 78933 85484 | 2 | No | No | Yes |
| Facility Incharge Name  | Dr. Siva Rama Krishna         |  |                 |                        |  |  |                       |                         |                          |                         |             |   |    |    |     |
| Facility Incharge Email | svanjar i@ee.iitth.ac.in      |  |                 |                        |  |  |                       |                         |                          |                         |             |   |    |    |     |
| Facility Incharge Phone | 78933 85484                   |  |                 |                        |  |  |                       |                         |                          |                         |             |   |    |    |     |
| Source of Grant / Fund  |                               | Agency Name  |                 | Agency Type            |  | Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees) |                       |                         |                          |                         |             |   |    |    |     |
| Funding Agency          |                               | Ministry of Electronics and Information Technology |                 | Govt. Agency (Central) |  | 11323000   |                       |                         |                          |                         |             |   |    |    |     |
| -                       |                               | -  |                 | -                      |  | 0  |                       |                         |                          |                         |             |   |    |    |     |

**List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

| Srno  | Name of Incubation Facility   | Year of Establishment | Incubation with Access to Other I&E Facilities at the HEI    | Name of the Funding Schemes Available with Incubation Unit, if any (Optional) | Facility Details   | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20? | Had institute Generated Income either from Services Offered by Incubation Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities? |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
|---|-------------------------------|-----------------------|--|---|--|---|--|--|--|-------------------------|-------------|---|-----|---|-----|--|--|--|--|--|---|--|-----|
| 1   | Delete this entry from portal | 2018                  | Pre-Incubation, Innovation Park/Research Park, Student Clubs | mhrd  | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>dr. xyz</td> </tr> <tr> <td>Facility Incharge Email</td> <td>xyz@g mail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>48947 59879</td> </tr> </table> | Facility Incharge Name  | dr. xyz  | Facility Incharge Email  | xyz@g mail.com   | Facility Incharge Phone | 48947 59879 | 4 | Yes | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td></td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td></td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td></td> </tr> </table> | Yes |  | Total Annual Income from Training and Skill Development Services (In Rupees) |  | Total Annual Income from (Technical and Business) Mentoring Services (In Rupees) |  | Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees) |  | Yes |
| Facility Incharge Name  | dr. xyz                       |                       |  |   |  |   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| Facility Incharge Email   | xyz@g mail.com                |                       |  |   |  |   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| Facility Incharge Phone   | 48947 59879                   |                       |  |   |  |   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| Yes   |                               |                       |  |   |  |   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| Total Annual Income from Training and Skill Development Services (In Rupees)                  |                               |                       |  |   |  |   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)              |                               |                       |  |   |  |   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees) |                               |                       |  |   |  |   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| Source of Grant / Fund  |                               | Agency Name           |  | Agency Type   |  | Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees) |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |
| -   |                               | -                     |  | -   |  | 0   |  |  |  |                         |             |   |     |   |     |  |  |  |  |  |   |  |     |

**List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

|                         |   |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
|-------------------------|---|------|---|---|--|------------------------|---------------------|-------------------------|-------------------------|-------------------------|------------|---|-----|----|----|
| 2                       | i-TIC Foundation IIT Hyderabad                        | 2016 | Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs                 | Seed grant i-TIC Foundation   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. S. Suryakumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>fic.irp@iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9494871513</td> </tr> </table>  | Facility Incharge Name | Prof. S. Suryakumar | Facility Incharge Email | fic.irp@iith.ac.in      | Facility Incharge Phone | 9494871513 | 7 | No  | No | No |
| Facility Incharge Name  | Prof. S. Suryakumar                                   |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| Facility Incharge Email | fic.irp@iith.ac.in                                    |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| Facility Incharge Phone | 9494871513  |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| 3                       | Center for Healthcare Entrepreneurship, IIT Hyderabad | 2016 | Innovation Labs   | CFHE fellowship 60k per month to 18 fellows, Seed grants of 25L to each startup | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Renu John</td> </tr> <tr> <td>Facility Incharge Email</td> <td>renujohn@bme.iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8985156631</td> </tr> </table> | Facility Incharge Name | Prof. Renu John     | Facility Incharge Email | renujohn@bme.iith.ac.in | Facility Incharge Phone | 8985156631 | 5 | Yes | No | No |
| Facility Incharge Name  | Prof. Renu John                                       |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| Facility Incharge Email | renujohn@bme.iith.ac.in                               |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| Facility Incharge Phone | 8985156631  |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| 4                       | i-TIC Foundation IIT Hyderabad                        | 2016 | Pre-Incubation, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs |   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. S. Suryakumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>fic.irp@iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9494871513</td> </tr> </table>  | Facility Incharge Name | Prof. S. Suryakumar | Facility Incharge Email | fic.irp@iith.ac.in      | Facility Incharge Phone | 9494871513 | 7 | No  | No | No |
| Facility Incharge Name  | Prof. S. Suryakumar                                   |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| Facility Incharge Email | fic.irp@iith.ac.in                                    |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |
| Facility Incharge Phone | 9494871513  |      |   |   |  |                        |                     |                         |                         |                         |            |   |     |    |    |

**List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

|                        |  |  |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|--|--|
| <b>No Data Filled!</b> |  |  |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|--|--|

**List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

| Srno | Name of IPR Cell/Technology Transfer Centre Facility | Year of Establishment | IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional) | Facility Details | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20? | Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre? | Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Startup/Venture Development and implementation during the Financial Year 2019-20? |
|------|--|-----------------------|--|---|------------------|---|--|---|--|
|------|--|-----------------------|--|---|------------------|---|--|---|--|

## List the IPR Cell/Technology Transfer Centre Facilities at the HEI

|                         |  |      |   |  |  |                        |                   |                         |                     |                         |            |   |    |    |    |
|-------------------------|--|------|---|--|--|------------------------|-------------------|-------------------------|---------------------|-------------------------|------------|---|----|----|----|
| 1                       | Intellectual Property Facilitation Center (IPFC) | 2020 | Incubation Unit, Innovation Labs, Innovation Park/Research Park |  | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Abhinav Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>fic.ipfc@iith.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9810382474</td> </tr> </table> | Facility Incharge Name | Dr. Abhinav Kumar | Facility Incharge Email | fic.ipfc@iith.ac.in | Facility Incharge Phone | 9810382474 | 1 | No | No | No |
| Facility Incharge Name  | Dr. Abhinav Kumar                                |      |   |  |  |                        |                   |                         |                     |                         |            |   |    |    |    |
| Facility Incharge Email | fic.ipfc@iith.ac.in                              |      |   |  |  |                        |                   |                         |                     |                         |            |   |    |    |    |
| Facility Incharge Phone | 9810382474                                       |      |   |  |  |                        |                   |                         |                     |                         |            |   |    |    |    |

## Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

| Srno               | Name of the Faculty                       | Designation of the Faculty | Mentor Expert Area   | Years of Experience in Mentorship (In Years) |
|--------------------|---|----------------------------|--|--|
| 1                  | dr. xyz                                   | asst prof                  | Entrepreneurship/Startup Development, IPR Protection & Commercialization | 2  |
|                    | Name of Idea/Innovation/ Startup Mentored |                            | Mentoring Setup [Within (or) Outside] HEI                                | CIN (in case it is Startup)                  |
|                    | university of hyd                         |                            | Outside  | re34235r3                                    |
| 2                  | Prof. Renu John                           | Professor                  | Idea/Innovation Development  | 8  |
|                    | Name of Idea/Innovation/ Startup Mentored |                            | Mentoring Setup [Within (or) Outside] HEI                                | CIN (in case it is Startup)                  |
|                    | Beable pvt ltd                            |                            | Within   |  |
|                    | Nemocare pvt ltd                          |                            | Within   |  |
|                    | Heamac pvt ltd                            |                            | Within   |  |
|                    | Kvayat Pvt ltd                            |                            | Within   |  |
|                    | ChemiOptics Pvt ltd                       |                            | Within   |  |
|                    | Jivika Pvt ltd                            |                            | Within   |  |
| Aerobiosys pvt ltd |   | Within                     |  |  |
| 3                  | Prof.Venkatesham                          | Associate Professor        | Entrepreneurship/Startup Development, IPR Protection & Commercialization | 6  |
|                    | Name of Idea/Innovation/ Startup Mentored |                            | Mentoring Setup [Within (or) Outside] HEI                                | CIN (in case it is Startup)                  |
|                    | Restyro technologies Pvt. Ltd             |                            | Within   | U72900TG2016PTC109488                        |
| 4                  | Prof.Venkatesham                          | Associate Professor        | Entrepreneurship/Startup Development, IPR Protection & Commercialization | 6  |
|                    | Name of Idea/Innovation/ Startup Mentored |                            | Mentoring Setup [Within (or) Outside] HEI                                | CIN (in case it is Startup)                  |
|                    | PuREnergy Pvt. Ltd.                       |                            | Within   | U50100TG2015PTC099416                        |
| 5                  | Prof.Venkatesham                          | Associate Professor        | Entrepreneurship/Startup Development, IPR Protection & Commercialization | 6  |

**Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

|    |   |                     |   |                             |
|----|---|---------------------|---|-----------------------------|
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | Lemon Flip Solutions Pvt Ltd.             |                     | Within  | U72300TG2016PTC103917       |
| 6  | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | SKIoT Technologies Pvt. Ltd.              |                     | Within  | U72900TG2017PTC115022       |
| 7  | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | WISIG                                     |                     | Within  | U74999TG2016PTC111037       |
| 8  | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | SenseHealth Technologies Pvt. Ltd.        |                     | Within  | U33208TG2017PTC117513       |
| 9  | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | Osure Care Pvt. Ltd.                      |                     | Within  | U74900AP2016PTC098048       |
| 10 | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | Acausal Automation Pvt. Ltd.              |                     | Within  | U72900TG2018PTC122391       |
| 11 | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | Skelregen Pvt. Ltd.                       |                     | Within  | U24111TG2019PTC129760       |
| 12 | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | EaffoCare Innovation Pvt. Ltd.            |                     | Within  | U73100TG2019PTC131376       |
| 13 | Prof.Venkatesham                          | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored |                     | Mentoring Setup [Within (or) Outside] HEI                               | CIN (in case it is Startup) |
|    | CrystalBall/ CBAI                         |                     | Within  | U72501TG2018PTC126638       |

**Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

|    |  |                     |   |                             |
|----|--|---------------------|---|-----------------------------|
| 14 | Prof.Venkatesham   | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization                             | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored  |                     | Mentoring Setup [Within (or) Outside] HEI   | CIN (in case it is Startup) |
|    | Anvation Labs (IDEX)   |                     | Within  | U31501TG2015PTC101081       |
| 15 | Prof.Venkatesham   | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization                             | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored  |                     | Mentoring Setup [Within (or) Outside] HEI   | CIN (in case it is Startup) |
|    | Tejaswini Appidi/ Dr. Aravind Kumar Rengan   |                     | Within  |                             |
| 16 | Prof.Venkatesham   | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization                             | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored  |                     | Mentoring Setup [Within (or) Outside] HEI   | CIN (in case it is Startup) |
|    | Shivakalyani Adepu/ Dr. Mudrika Khandelwal   |                     | Within  |                             |
| 17 | Prof.Venkatesham   | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization                             | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored  |                     | Mentoring Setup [Within (or) Outside] HEI   | CIN (in case it is Startup) |
|    | Uday Kiran Roopavath   |                     | Within  |                             |
| 18 | Dr Siva Vanjari  | Associate Professor | Entrepreneurship/Startup Development,IPR Protection & Commercialization                             | 6                           |
|    | Name of Idea/Innovation/ Startup Mentored  |                     | Mentoring Setup [Within (or) Outside] HEI   | CIN (in case it is Startup) |
|    | Lemon Flip Solutions Pvt Ltd.  |                     | Within  | U72300TG2016PTC103917       |
| 19 | P Rajalakshmi  | PRofessor           | Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization | 12                          |
|    | Name of Idea/Innovation/ Startup Mentored  |                     | Mentoring Setup [Within (or) Outside] HEI   | CIN (in case it is Startup) |
|    | None, The DST NM-ICPS Technology Innovation Hub on Autonomous Navigation and Data Acquisition Systems (UAVs, ROVs, etc.) was granted by the Dept. of Science & Technology on March 03, 2020. |                     | Within  |                             |
| 20 | Dr.Abhinav   | Associate Professor | Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization | 3                           |
|    | Name of Idea/Innovation/ Startup Mentored  |                     | Mentoring Setup [Within (or) Outside] HEI   | CIN (in case it is Startup) |
|    | None   |                     | Within  |                             |

**Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

| Srno | Name of the External Expert/Agency as Mentor | Mentor Expert Area                 | Type of Mentorship    |
|------|--|------------------------------------|-----------------------|
| 1    | Prof.Renu John                               | IPR Protection & Commercialization | Structured Mentorship |

**Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

|   | Structured Mentorship Program Name                 | Start Date | End Date   | Total No of Days of Mentorship Program | No of Mentors Involved | Mentorship Cohort Size (No. of Mentee) | Type of Mentee       |
|---|--|------------|--|--|------------------------|--|----------------------|
|   |  | IP affairs | 01-08-2019   | 31-03-2020                             | 244                    | 2                                      | 10                   |
| 2 | Prof.Renu John                                     |            | Entrepreneurship/Startup Development                             |  |                        | Structured Mentorship                  |                      |
|   | Structured Mentorship Program Name                 | Start Date | End Date   | Total No of Days of Mentorship Program | No of Mentors Involved | Mentorship Cohort Size (No. of Mentee) | Type of Mentee       |
|   | Quality Management and Standards ( ISO) for medica | 01-08-2019 | 31-03-2020   | 244                                    | 2                      | 10                                     | Growth Stage Startup |
| 3 | Prof.Renu John                                     |            | Idea/Innovation Development,Entrepreneurship/Startup Development |  |                        | Structured Mentorship                  |                      |
|   | Structured Mentorship Program Name                 | Start Date | End Date   | Total No of Days of Mentorship Program | No of Mentors Involved | Mentorship Cohort Size (No. of Mentee) | Type of Mentee       |
|   | Regulatory affairs                                 | 01-08-2019 | 31-03-2020   | 244                                    | 5                      | 10                                     | Innovation/Prototype |

**List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received**

| Srno | Name of the Innovation Generated with the Support of HEI | Type of Innovation   | Nature of Innovation | Name of the HEI Supported Innovation Development | Innovation Developed by | Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019-20 | Stage of Innovation /Stage of TRL reached as on 31st March 2020           | Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020 | Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20 | Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20 | Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20 | Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype /Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019 |
|------|--|----------------------|----------------------|--|-------------------------|--|---|--|--|--|--|--|---|
| 1    | Clean Energy electric vehicle research by PuREnergy      | Product Innovation   | Technological        | i-TIC Foundation                                 | Faculty                 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).      | TRL 9 : Full commercial application , technology available for consumers. | Innovation Adopted and Implemented at Ground                                 | No   | Yes  | No   | No   | No  |
|      |  | Name                 | Type                 |  |                         | Gender   |   |  | Email  |  |  |  | Contact   |
|      |  | Dr. Nishanth Dongari | Faculty              |  |                         | Male   |   |  | nishanth@iith.ac.in  |  |  |  | 9989766422  |
|      |  | Name                 | Type                 |  |                         | Gender   |   |  | Email  |  |  |  | Contact   |
|      |  |                      |                      |  |                         |  |   |  |  |  |  |  | 2   |

| Chip Design for power supply by Lemon Flip | Product Innovation | Technological | i-TIC Foundation | Faculty | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | Innovation Development Ongoing               | No         | Yes | Grant Amount in Rs | 2682900 | No    | No |  |
|--|--------------------|---------------|------------------|---------|---|--|--|------------|-----|--------------------|---------|-------|----|--|
| Name                                       |                    | Type          |                  | Gender  |   | Email  |  | Contact    |     |                    |         |       |    |  |
| Dr. Asudeb Dutta                           |                    | Faculty       |                  | Male    |   | asudeb_dutta@ee.iith.ac.in   |  | 9493329640 |     |                    |         |       |    |  |
| Name                                       |                    | Type          |                  | Gender  |   | Email  |  | Contact    |     | 3                  |         |       |    |  |
| Dr. Sobhan Babu Chintatalli                |                    | Faculty       |                  | Male    |   | sobhan@cse.iith.ac.in  |  | 0000000000 |     |                    |         |       |    |  |
| Dr. Shiv Govind Singh                      |                    | Faculty       |                  | Male    |   | sgsingh@iith.ac.in   |  | 9959603640 |     |                    |         |       |    |  |
| IoT product designs by SKIoT               | Product Innovation | Technological | i-TIC Foundation | Student | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 9 : Full commercial application , technology available for consumers.      | Innovation Adopted and Implemented at Ground | No         | Yes | Grant Amount in Rs | 374000  | No    | No |  |
| Name                                       |                    | Type          |                  | Gender  |   | Email  |  | Contact    |     |                    |         |       |    |  |
| Malyala Sai Kiran Kumar                    |                    | Student       |                  | Male    |   | EE12M1021@iith.ac.in   |  | 9440942607 |     |                    |         |       |    |  |
| Name                                       |                    | Type          |                  | Gender  |   | Email  |  | Contact    |     | 4                  |         |       |    |  |
| Akshay Ramesh Jadhav                       |                    | Student       |                  | Male    |   | Akshay@iith.ac.in  |  | 0000000000 |     |                    |         |       |    |  |
| 5G technology development by WISIG         | Product Innovation | Technological | i-TIC Foundation | Faculty | TRL 3 : Applied research. First laboratory tests completed ; proof of concept.                  | TRL 9 : Full commercial application , technology available for consumers.      | Innovation Adopted and Implemented at Ground | No         | Yes | No                 | No      | No    | No |  |
| Name                                       |                    | Type          |                  | Gender  |   | Email  |  | Contact    |     | Name               |         | Email |    |  |
| Dr. Kiran Kuchi                            |                    | Faculty       |                  | Male    |   | kkuchi@iith.ac.in  |  | 9491398508 |     | Name               |         | Email |    |  |

|                                      |  |                        |               |   |                                     |  |  |  |    |            |        |    |    |
|--------------------------------------|--|------------------------|---------------|---|-------------------------------------|--|--|--|----|------------|--------|----|----|
| 5                                    | A Smart gamified Rehabilitation device for upper Arm for stroke patients (ArmAble) | Product Innovation     | Technological | Center for Healthcare Entrepreneurs hip,IIT Hyderabad | External to the Institute/Incubatee | TRL 7 : Demonstration system operating in operational environment at pre-commercial scale. | TRL 7 : Demonstration system operating in operational environment at pre-commercial scale. | Innovation Development Ongoing               | No | Yes        | No     | No | No |
| Name                                 |  | Type                   |               |   | Gender                              |  | Email  |  |    | Contact    |        |    |    |
| Habib Ali                            |  | Incubatee Entrepreneur |               |   | Male                                |  | hc16fel11005@iith.ac.in  |  |    | 7989945930 |        |    |    |
| Name                                 |  | Type                   |               |   | Gender                              |  | Email  |  |    | Contact    |        |    |    |
| Habib Ali                            |  | Incubatee Entrepreneur |               |   | Male                                |  | habib@beablehealth.com   |  |    | 9885131091 |        |    |    |
| Sreehari K G                         |  | Incubatee Entrepreneur |               |   | Male                                |  | sreehari@beablehealth.com  |  |    | 7760581484 |        |    |    |
| 6                                    | A wearable for monitoring the vitals of neonatals                                  | Product Innovation     | Technological | Center for Healthcare Entrepreneurs hip,IIT Hyderabad | External to the Institute/Incubatee | TRL 7 : Demonstration system operating in operational environment at pre-commercial scale. | TRL 7 : Demonstration system operating in operational environment at pre-commercial scale. | Innovation Development Ongoing               | No | Yes        | No     | No | No |
| Name                                 |  | Type                   |               |   | Gender                              |  | Email  |  |    | Contact    |        |    |    |
| Manoj Sanker                         |  | Incubatee Entrepreneur |               |   | Male                                |  | hc16fel11002@iith.ac.in  |  |    | 9902908472 |        |    |    |
| Name                                 |  | Type                   |               |   | Gender                              |  | Email  |  |    | Contact    |        |    |    |
| Prathyusha Pareddy                   |  | Incubatee Entrepreneur |               |   | Female                              |  | pratryusha@nemo.care   |  |    | 9490689727 |        |    |    |
| Manoj Ravichandran Ponnuswamy Sanker |  | Incubatee Entrepreneur |               |   | Male                                |  | manoj@nemo.care  |  |    | 9902908472 |        |    |    |
| 7                                    | EKG healthcare research by SenseHealth   | Product Innovation     | Technological | i-TIC Foundation                                      | Faculty                             | TRL 2 : Technology formulation. Concept and application have been formulated .             | TRL 7 : Demonstration system operating in operational environment at pre-commercial scale. | Innovation Adopted and Implemented at Ground | No | Yes        | 511000 | No | No |
| Name                                 |  | Type                   |               |   | Gender                              |  | Email  |  |    | Contact    |        |    |    |
| Dr. Amit Acharyya                    |  | Faculty                |               |   | Male                                |  | amit_acharyya@iith.ac.in   |  |    | 9989405424 |        |    |    |



| Name               |  | Type    |  | Gender |  | Email                      |  | Contact    |  |
|--------------------|--|---------|--|--------|--|----------------------------|--|------------|--|
| Asudeb dutta       |  | Faculty |  | Male   |  | asudeb_dutta@ee.iith.ac.in |  | 9493329640 |  |
| Bhudeb Chakravarti |  | Faculty |  | Male   |  | bhudeb@sensehealth.in      |  | -          |  |

| 8 | Mass Spectrometer based research by Osure Care | Product Innovation | Technological | i-TIC Foundation | Faculty | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | TRL 8 : First of a kind commercial system. Manufacturing issues solved. | Innovation Development Ongoing | No         | Yes | Grant Amount in Rs<br>700000 | No | No |
|---|--|--------------------|---------------|------------------|---------|--|---|--------------------------------|------------|-----|------------------------------|----|----|
|   | Name   |                    | Type          |                  | Gender  |  | Email   |                                | Contact    |     |                              |    |    |
|   | Ms. Vandana Sharma                             |                    | Faculty       |                  | Female  |  | vsharma@iith.ac.in  |                                | 8985815940 |     |                              |    |    |

| Name  |                    | Type          |                  | Gender  |  | Email  |                                | Contact |     |    |    |    |
|---|--------------------|---------------|------------------|---------|--|--|--------------------------------|---------|-----|----|----|----|
| Robotics and automation research by Acausal | Product Innovation | Technological | i-TIC Foundation | Faculty | TRL 2 : Technology formulation. Concept and application have been formulated . | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | Innovation Development Ongoing | No      | Yes | No | No | No |

| Name                  |  | Type    |  | Gender |  | Email              |  | Contact    |  |
|-----------------------|--|---------|--|--------|--|--------------------|--|------------|--|
| Dr. R. Prasanth Kumar |  | Faculty |  | Male   |  | rpkumar@iith.ac.in |  | 8008089678 |  |

| 10                | Periodontal procedure design by EaffoCare | Product Innovation                           | Technological | i-TIC Foundation | Faculty | TRL 2 : Technology formulation. Concept and application have been formulated . | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | Innovation Development Ongoing | No         | Yes | No | No | No |
|-------------------|---|--|---------------|------------------|---------|--|--|--------------------------------|------------|-----|----|----|----|
|                   | Name                                      |  | Type          |                  | Gender  |  | Email  |                                | Contact    |     |    |    |    |
|                   | Dr. Jyotsnendu Giri                       |  | Faculty       |                  | Male    |  | jgiri@iith.ac.in   |                                | 9701277518 |     |    |    |    |
| Name              |   | Type   |               | Gender           |         | Email  |  | Contact                        |            |     |    |    |    |
| Baishakhi Chandra |   | Innovator/Entrepreneur External to Institute |               | Female           |         | -  |  | -                              |            |     |    |    |    |

|                          |  |                    |  |                  |                                     |   |   |                                  |    |     |            |    |    |
|--------------------------|--|--------------------|--|------------------|-------------------------------------|---|---|----------------------------------|----|-----|------------|----|----|
| 11                       | Drone Technology for Agriculture applications by CrystalBall | Product Innovation | Technological                                | i-TIC Foundation | Student                             | TRL 2 : Technological formulation. Concept and application have been formulated .               | TRL 5 : Large scale prototype tested in intended environment.                       | Innovation Development Ongoing   | No | Yes | No         | No | No |
|                          | Name   |                    | Type   |                  |                                     | Gender  |   | Email                            |    |     | Contact    |    |    |
|                          | B.Sai Raj  |                    | Student                                      |                  |                                     | Male  |   | sai@crystalball.ai               |    |     | 9110338895 |    |    |
|                          | Name   |                    | Type   |                  |                                     | Gender  |   | Email                            |    |     | Contact    |    |    |
| Vidya Sagar              |  | Student            |  |                  | Male                                |   | -   |                                  |    | -   |            |    |    |
| 12                       | Embedded system design for defence applications by Anvation  | Product Innovation | Technological                                | i-TIC Foundation | External to the Institute/Incubatee | TRL 3 : Applied research. First laboratory tests completed ; proof of concept.                  | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing   | No | Yes | No         | No | No |
|                          | Name   |                    | Type   |                  |                                     | Gender  |   | Email                            |    |     | Contact    |    |    |
|                          | Niraj Mahapatro  |                    | Innovator/Entrepreneur External to Institute |                  |                                     | Male  |   | niraj.mahapatro@anvationlabs.com |    |     | 9916241602 |    |    |
|                          | Name   |                    | Type   |                  |                                     | Gender  |   | Email                            |    |     | Contact    |    |    |
| Vidya Sagar              |  | Student            |  |                  | Male                                |   | -   |                                  |    | -   |            |    |    |
| 13                       | Cervical Cancer research in healthcare domain                | Product Innovation | Technological                                | i-TIC Foundation | Student-Faculty                     | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 2 : Technological formulation. Concept and application have been formulated .   | Innovation Development Ongoing   | No | No  | No         | No | No |
|                          | Name   |                    | Type   |                  |                                     | Gender  |   | Email                            |    |     | Contact    |    |    |
|                          | Tejaswini Appidi   |                    | Student                                      |                  |                                     | Female  |   | bm16resch11006@iith.ac.in        |    |     | 9908001514 |    |    |
|                          | Name   |                    | Type   |                  |                                     | Gender  |   | Email                            |    |     | Contact    |    |    |
| Dr. Aravind Kumar Rengan |  | Faculty            |  |                  | Male                                |   | -   |                                  |    | -   |            |    |    |

|                             |  |                        |               |                  |                                     |   |  |                                |    |     |            |    |    |
|-----------------------------|--|------------------------|---------------|------------------|-------------------------------------|---|--|--------------------------------|----|-----|------------|----|----|
| 14                          | Research in Candidiasis in healthcare domain                       | Product Innovation     | Technological | i-TIC Foundation | Student-Faculty                     | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 2 : Technology formulation. Concept and application have been formulated.          | Innovation Development Ongoing | No | No  | No         | No | No |
| Name                        |  | Type                   |               |                  | Gender                              |   |  | Email                          |    |     | Contact    |    |    |
| Shivakalyani Adepur         |  | Student                |               |                  | Female                              |   |  | shivakalyani@iith.ac.in        |    |     | 9701711753 |    |    |
| Name                        |  | Type                   |               |                  | Gender                              |   |  | Email                          |    |     | Contact    |    |    |
| Dr. Mudrika Khandelwal      |  | Faculty                |               |                  | Female                              |   |  | mudrika@iith.ac.in             |    |     | 9966355510 |    |    |
| 15                          | Regenerative bone fillers in healthcare domain                     | Product Innovation     | Technological | i-TIC Foundation | Student-Faculty                     | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 2 : Technology formulation. Concept and application have been formulated.          | Innovation Development Ongoing | No | No  | No         | No | No |
| Name                        |  | Type                   |               |                  | Gender                              |   |  | Email                          |    |     | Contact    |    |    |
| Uday Kiran Roopavath        |  | Student                |               |                  | Male                                |   |  | bm15resch11005@iith.ac.in      |    |     | 8187874583 |    |    |
| Name                        |  | Type                   |               |                  | Gender                              |   |  | Email                          |    |     | Contact    |    |    |
| Dr. Subha Narayan Rath      |  | Faculty                |               |                  | Male                                |   |  | subharath@bme.iith.ac.in       |    |     | 8331833231 |    |    |
| 16                          | A phototherapy device for effective treatment of Neonatal jaundice | Product Innovation     | Technological |                  | External to the Institute/Incubatee | TRL 6 : Prototype system tested in intended environment close to expected performance.          | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Ongoing | No | Yes | No         | No | No |
| Name                        |  | Type                   |               |                  | Gender                              |   |  | Email                          |    |     | Contact    |    |    |
| Akitha K.                   |  | Incubatee Entrepreneur |               |                  | Female                              |   |  | hc17fci11003@iith.ac.in        |    |     | 7306554486 |    |    |
| Name                        |  | Type                   |               |                  | Gender                              |   |  | Email                          |    |     | Contact    |    |    |
| Munndam Subrahmanyam Prasad |  | Incubatee Entrepreneur |               |                  | Male                                |   |  | akitha@heamac.com              |    |     | 7306554486 |    |    |

|                    |  |  |               |  |                                     |  |  |                                |    |                |    |    |    |
|--------------------|--|--|---------------|--|-------------------------------------|--|--|--------------------------------|----|----------------|----|----|----|
| 17                 | A Point of care device for detection of preeclampsia in pregnant women | Product Innovation                           | Technological |  | External to the Institute/Incubatee | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | Innovation Development Ongoing | No | Yes            | No | No | No |
| <b>Name</b>        |  | <b>Type</b>                                  |               |  | <b>Gender</b>                       |  | <b>Email</b>   |                                |    | <b>Contact</b> |    |    |    |
| Amitkumar Vernekar |  | Innovator/Entrepreneur External to Institute |               |  | Male                                |  | amitverk@gmail.com   |                                |    | 9902936832     |    |    |    |

|   |                    |               |  |                                     |  |  |                                |    |     |                |    |    |  |    |
|---|--------------------|---------------|--|-------------------------------------|--|--|--------------------------------|----|-----|----------------|----|----|--|----|
| <b>Name</b>   |                    | <b>Type</b>   |  |                                     | <b>Gender</b>  |  | <b>Email</b>                   |    |     | <b>Contact</b> |    |    |  | 18 |
| A Service platform for vaccination at your doorstep Jeevika Pvt Ltd | Service Innovation | Technological |  | External to the Institute/Incubatee | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | Innovation Development Ongoing | No | Yes | No             | No | No |  |    |

|               |  |  |  |  |               |  |                                   |  |  |                |  |  |  |      |       |
|---------------|--|--|--|--|---------------|--|-----------------------------------|--|--|----------------|--|--|--|------|-------|
| <b>Name</b>   |  | <b>Type</b>                                  |  |  | <b>Gender</b> |  | <b>Email</b>                      |  |  | <b>Contact</b> |  |  |  | Name | Email |
| Jignesh Patel |  | Innovator/Entrepreneur External to Institute |  |  | Male          |  | jignesh.patel@vaccineonwheels.com |  |  | 9503079876     |  |  |  |      |       |

|                                 |  |                    |               |                  |                 |   |  |                                  |    |                |    |    |    |
|---------------------------------|--|--------------------|---------------|------------------|-----------------|---|--|----------------------------------|----|----------------|----|----|----|
| 19                              | Advanced Materials (polymers) research by Restyro technologies | Product Innovation | Technological | i-TIC Foundation | Student-Faculty | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | Innovation Development Completed | No | No             | No | No | No |
| <b>Name</b>                     |  | <b>Type</b>        |               |                  | <b>Gender</b>   |   | <b>Email</b>   |                                  |    | <b>Contact</b> |    |    |    |
| Dr. C. S. Sharma                |  | Faculty            |               |                  | Male            |   | cssharma@iith.ac.in  |                                  |    | 8769517133     |    |    |    |
| <b>Name</b>                     |  | <b>Type</b>        |               |                  | <b>Gender</b>   |   | <b>Email</b>   |                                  |    | <b>Contact</b> |    |    |    |
| Dr. Mudrika Khandelwal Aggarwal |  | Faculty            |               |                  | Female          |   | mudrika@iith.ac.in   |                                  |    | 9966355510     |    |    |    |

|                     |                                    |                    |               |                  |                 |  |   |                                |    |                |                    |         |    |    |
|---------------------|------------------------------------|--------------------|---------------|------------------|-----------------|--|---|--------------------------------|----|----------------|--------------------|---------|----|----|
| 20                  | 3D printed bone graft by Skelregen | Product Innovation | Technological | i-TIC Foundation | Student-Faculty | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | TRL 5 : Large scale prototype tested in intended environment. | Innovation Development Ongoing | No | No             | Grant Amount in Rs | 1062500 | No | No |
| <b>Name</b>         |                                    | <b>Type</b>        |               |                  | <b>Gender</b>   |  | <b>Email</b>  |                                |    | <b>Contact</b> |                    |         |    |    |
| Nellore Vijay Kumar |                                    | Student            |               |                  | Male            |  | nellorevijaykumar1@gmail.com                                  |                                |    | 7207674940     |                    |         |    |    |

| Name                    | Type   | Gender | Email                    | Contact    |
|-------------------------|--|--------|--------------------------|------------|
| Dr. Subha Narayan Rath  | Faculty                                      | Male   | subharath@bme.iith.ac.in | 8331833231 |
| Mr. Shibu Chameettachal | Innovator/Entrepreneur External to Institute | Male   | -                        | -          |

|    |   |                    |               |                                     |  |  |                                |    |     |    |    |    |
|----|---|--------------------|---------------|-------------------------------------|--|--|--------------------------------|----|-----|----|----|----|
| 21 | A Fecal Management system for ICU ridden patients | Product Innovation | Technological | External to the Institute/Incubatee | TRL 6 : Prototype system tested in intended environment close to expected performance. | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Ongoing | No | Yes | No | No | No |
|----|---|--------------------|---------------|-------------------------------------|--|--|--------------------------------|----|-----|----|----|----|

| Name          | Type   | Gender | Email                 | Contact    |
|---------------|--|--------|-----------------------|------------|
| Sai Laxman B. | Innovator/Entrepreneur External to Institute | Male   | sai@kvayatmedical.com | 9652724241 |

| Name           | Type                   | Gender | Email                   | Contact    |
|----------------|------------------------|--------|-------------------------|------------|
| Abhay Tanksali | Incubatee Entrepreneur | Male   | abhay@kvayatmedical.com | 7838301533 |

|  |  |                    |               |                                     |  |  |                                |  |             |                       |             |                                  |  |  |     |    |    |    |
|--|--|--------------------|---------------|-------------------------------------|--|--|--------------------------------|--|-------------|-----------------------|-------------|----------------------------------|--|--|-----|----|----|----|
| 22                                     | DuoVent: A Novel method/device for ventilation of lungs in patients suffering from COPDs and Lung infections | Product Innovation | Technological | External to the Institute/Incubatee | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | Innovation Development Ongoing | <table border="1"> <tbody> <tr> <td>Agency Name</td> <td>TATA and IIM Calcutta</td> </tr> <tr> <td>Agency Type</td> <td>Corporate / Industry Association</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>2nd Runner up Tata Social Enterprise Challenge</td> </tr> </tbody> </table> | Agency Name | TATA and IIM Calcutta | Agency Type | Corporate / Industry Association | Award / Position / Recognition Secured | 2nd Runner up Tata Social Enterprise Challenge | Yes | No | No | No |
| Agency Name                            | TATA and IIM Calcutta  |                    |               |                                     |  |  |                                |  |             |                       |             |                                  |  |  |     |    |    |    |
| Agency Type                            | Corporate / Industry Association   |                    |               |                                     |  |  |                                |  |             |                       |             |                                  |  |  |     |    |    |    |
| Award / Position / Recognition Secured | 2nd Runner up Tata Social Enterprise Challenge   |                    |               |                                     |  |  |                                |  |             |                       |             |                                  |  |  |     |    |    |    |

| Name                | Type                   | Gender | Email                       | Contact    |
|---------------------|------------------------|--------|-----------------------------|------------|
| Rajesh Thangavel Y. | Incubatee Entrepreneur | Male   | rajesh.t.yadav169@gmail.com | 9820482120 |

| Name         | Type                   | Gender | Email               | Contact    |
|--------------|------------------------|--------|---------------------|------------|
| Cyril Antony | Incubatee Entrepreneur | Male   | cyril6042@gmail.com | 9489438698 |

**List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI**

| Srno                            | Name of the Venture/Startup/SME Unit Established with the Support of HEI | Type of Innovation of Venture/Startup/SME Unit | Nature of Innovation | Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development | Venture Founded by | Venture Registered as   | Year of Registration | What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020? | Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20? | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20 | Had the venture/startup raised any Seed fund/Angel Investment/V C during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20 | Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20 | Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20 |  |
|---------------------------------|--|--|----------------------|--|--------------------|---|----------------------|---|--|---|---|--|--|--|
| 1                               | Restyro technologies Pvt. Ltd  | Product Innovation, Process Innovation         | Technological        | 5732   | Faculty            | Venture with Corporate Identification Number (CIN) Registration U72900TG2016PTC109488 | 2016-17              | Received Incubation Support from Incubation Unit  | No   | No  | No  | No   | No   |  |
| Name                            |  |  | DIN number           |  |                    | Type  |                      | Gender  |  |   | Email   |  | Contact  |  |
| Dr. C. S. Sharma                |  |  | 7489895              |  |                    | Faculty   |                      | Male  |  |   | cssharma@iith.ac.in   |  | 8769517133   |  |
| Dr. Mudrika Khandelwal aggarwal |  |  | 07489901             |  |                    | Faculty   |                      | Female  |  |   | mudrika@iith.ac.in  |  | -  |  |
| Shital Yadav                    |  |  | 7514351              |  |                    | Innovator/Entrepreneur External to Institute  |                      | Female  |  |   | -   |  | -  |  |
| Mr. Srinadh Mattaparathi        |  |  | 7514352              |  |                    | Innovator/Entrepreneur External to Institute  |                      | Male  |  |   | -   |  | -  |  |
| Aditya Bhaurao Aagare           |  |  | -                    |  |                    | Innovator/Entrepreneur External to Institute  |                      | Male  |  |   | -   |  | -  |  |

|   |                     |  |               |      |         |   |                                   |             |                     |                   |         |  |    |    |   |                             |                  |             |                    |   |          |    |     |
|---|---------------------|--|---------------|------|---------|---|-----------------------------------|-------------|---------------------|-------------------|---------|--|----|----|---|-----------------------------|------------------|-------------|--------------------|---|----------|----|-----|
| 2   | PuREnergy Pvt. Ltd. | Product Innovation, Process Innovation | Technological | 5732 | Faculty | <table border="1"> <tr> <td>Venture with MSME Registration No</td> <td>TS250000092</td> </tr> <tr> <td>Venture with GST No</td> <td>36AAIC P1837B 1ZM</td> </tr> </table> | Venture with MSME Registration No | TS250000092 | Venture with GST No | 36AAIC P1837B 1ZM | 2016-17 | Received Incubation Support from Incubation Unit | No | No | <table border="1"> <tr> <td>Loan/Investment Agency Name</td> <td>V.C. Nannapaneni</td> </tr> <tr> <td>Agency Type</td> <td>Non-Govt. Agencies</td> </tr> <tr> <td>Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)</td> <td>20000000</td> </tr> </table> | Loan/Investment Agency Name | V.C. Nannapaneni | Agency Type | Non-Govt. Agencies | Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees) | 20000000 | No | Yes |
| Venture with MSME Registration No   | TS250000092         |  |               |      |         |   |                                   |             |                     |                   |         |  |    |    |   |                             |                  |             |                    |   |          |    |     |
| Venture with GST No   | 36AAIC P1837B 1ZM   |  |               |      |         |   |                                   |             |                     |                   |         |  |    |    |   |                             |                  |             |                    |   |          |    |     |
| Loan/Investment Agency Name   | V.C. Nannapaneni    |  |               |      |         |   |                                   |             |                     |                   |         |  |    |    |   |                             |                  |             |                    |   |          |    |     |
| Agency Type   | Non-Govt. Agencies  |  |               |      |         |   |                                   |             |                     |                   |         |  |    |    |   |                             |                  |             |                    |   |          |    |     |
| Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees) | 20000000            |  |               |      |         |   |                                   |             |                     |                   |         |  |    |    |   |                             |                  |             |                    |   |          |    |     |

Date of Investment Raised  
19-07-2019

| Name                    | DIN number | Type   | Gender | Email               | Contact    |
|-------------------------|------------|--|--------|---------------------|------------|
| Dr.Nishanth Dongari     | 07198715   | Faculty                                      | Male   | nishanth@iith.ac.in | 9989766422 |
| Ms. Nuthana Gatti       | 07246331   | Innovator/Entrepreneur External to Institute | Female | -                   | -          |
| Rohit Mansukhlal Vadera | 7497397    | Innovator/Entrepreneur External to Institute | Male   | -                   | -          |

| 3                 | Lemon Flip Solutions Pvt Ltd. | Process Innovation,Service Innovation,Market-place | Technologica | 5732                    | Faculty    | Venture with Corporate Identification Number (CIN) Registration | U72300TG2016PTC103917 | 2016-17 | Received Incubation Support from Incubation Unit | No | No | No | No | No |
|-------------------|-------------------------------|--|--------------|-------------------------|------------|---|-----------------------|---------|--|----|----|----|----|----|
| Name              | DIN number                    | Type   | Gender       | Email                   | Contact    |   |                       |         |  |    |    |    |    |    |
| Dr.Ashudeb Dutta  | 6694937                       | Faculty  | Male         | asudeb_dutta@iith.ac.in | 9493329640 |   |                       |         |  |    |    |    |    |    |
| Sobhan Babu       | 6695227                       | Faculty  | Male         | sobhan@cse.iith.ac.in   | -          |   |                       |         |  |    |    |    |    |    |
| Shiv Govind Singh | 6694983                       | Faculty  | Male         | sgsingh@iith.ac.in      | -          |   |                       |         |  |    |    |    |    |    |

| 4                  | SKIoT Technologies Pvt. Ltd. | Product Innovation,Process Innovation        | Technologica | 5732                 | Student    | Venture with Corporate Identification Number (CIN) Registration | U72900TG2017PTC115022 | 2016-17 | Received Incubation Support from Incubation Unit | No | No | No | No | No |
|--------------------|------------------------------|--|--------------|----------------------|------------|---|-----------------------|---------|--|----|----|----|----|----|
| Name               | DIN number                   | Type   | Gender       | Email                | Contact    |   |                       |         |  |    |    |    |    |    |
| M. P. R. Sai Kiran | 7645815                      | Student                                      | Male         | EE12M1021@iith.ac.in | 9440942607 |   |                       |         |  |    |    |    |    |    |
| Bharath Ramkrishna | 7694914                      | Innovator/Entrepreneur External to Institute | Male         | -                    | -          |   |                       |         |  |    |    |    |    |    |



|                         |                                    |                                       |                   |  |         |  |         |  |    |                     |    |    |    |
|-------------------------|------------------------------------|---------------------------------------|-------------------|--|---------|--|---------|--|----|---------------------|----|----|----|
| 5                       | SenseHealth Technologies Pvt. Ltd. | Product Innovation,Service Innovation | Technologica<br>l | 5732   | Faculty | Venture with Corporate Identification Number (CIN) Registration U33208 TG2017 PTC117 513 | 2017-18 | Received Incubation Support from Incubation Unit | No | 19<br>60<br>00      | No | No | No |
| Name                    |                                    | DIN number                            |                   | Type   |         | Gender   |         | Email  |    | Contact             |    |    |    |
| Dr. Amit Acharyya       |                                    | 7782546                               |                   | Faculty                                      |         | Male   |         | amit_acharyya@iith.ac.in                         |    | 9989405424          |    |    |    |
| Asudeb Dutta            |                                    | -                                     |                   | Faculty                                      |         | Male   |         | asudeb_dutta@ee.iith.ac.in                       |    | 9493329640          |    |    |    |
| Bhudeb Chakravarti      |                                    | -                                     |                   | Innovator/Entrepreneur External to Institute |         | Male   |         | bhudeb@sensehealth.in                            |    | 9866109543          |    |    |    |
| 6                       | Acausal Automation Pvt. Ltd.       | Product Innovation,Process Innovation | Technologica<br>l | 5732   | Faculty | Venture with Corporate Identification Number (CIN) Registration U72900 TG2018 PTC122 391 | 2018-19 | Received Incubation Support from Incubation Unit | No | No                  | No | No | No |
| Name                    |                                    | DIN number                            |                   | Type   |         | Gender   |         | Email  |    | Contact             |    |    |    |
| Dr. R. Prasanth Kumar   |                                    | 8043303                               |                   | Faculty                                      |         | Male   |         | rpkumar@iith.ac.in                               |    | 8008089678          |    |    |    |
| Ms. Mallarapu Hemalatha |                                    | -                                     |                   | Innovator/Entrepreneur External to Institute |         | Female   |         | -  |    | -                   |    |    |    |
| 7                       | Skelregen Pvt. Ltd.                | Product Innovation,Process Innovation | Technologica<br>l | 5732   | Student | Venture with Corporate Identification Number (CIN) Registration U24111 TG2019 PTC129 760 | 2018-19 | Received Incubation Support from Incubation Unit | No | 10<br>62<br>50<br>0 | No | No | No |
| Name                    |                                    | DIN number                            |                   | Type   |         | Gender   |         | Email  |    | Contact             |    |    |    |
| Dr. Nellore Vijay Kumar |                                    | 8331923                               |                   | Student                                      |         | Male   |         | nellorevijaykumar1@gmail.com                     |    | 7207674940          |    |    |    |
| Dr. Subha Narayan Rath  |                                    | -                                     |                   | Faculty                                      |         | Male   |         | subharath@bme.iith.ac.in                         |    | 8331833231          |    |    |    |
| Mr. Shibu Chameettachal |                                    | -                                     |                   | Innovator/Entrepreneur External to Institute |         | Male   |         | -  |    | -                   |    |    |    |

|   |                                |  |               |      |  |   |                          |                                  |  |    |    |    |    |    |
|---|--------------------------------|--|---------------|------|--|---|--------------------------|----------------------------------|--|----|----|----|----|----|
| 8 | EaffoCare Innovation Pvt. Ltd. | Product Innovation, Process Innovation | Technological | 4936 | Faculty                                      | Venture with Corporate Identification Number (CIN) Registration | U73100 TG2019 PTC131 376 | 2018-19                          | Received Incubation Support from Incubation Unit | No | No | No | No | No |
|   | Name                           |  | DIN number    |      | Type   | Gender  |                          | Email                            | Contact  |    |    |    |    |    |
|   | Dr. Jyotsnendu Giri            |  | 8394375       |      | Faculty                                      | Male  |                          | jgiri@iith.ac.in                 | 9701277518                                       |    |    |    |    |    |
|   | Baishakhi Chandra              |  | -             |      | Innovator/Entrepreneur External to Institute | Female  |                          | -                                | -  |    |    |    |    |    |
| 9 | Anvation Labs (iDEX)           | Process Innovation, Service Innovation | Technological | 5732 | External to the Institute/Incubatee          | Venture with Corporate Identification Number (CIN) Registration | U31501 TG2015 PTC101 081 | 2018-19                          | Received Incubation Support from Incubation Unit | No | No | No | No | No |
|   | Name                           |  | DIN number    |      | Type   | Gender  |                          | Email                            | Contact  |    |    |    |    |    |
|   | Niraj Mahapatro                |  | 7970860       |      | Innovator/Entrepreneur External to Institute | Male  |                          | niraj.mahapatro@anvationlabs.com | 9916241602                                       |    |    |    |    |    |



| Name                       | DIN number | Type                   | Gender | Email             | Contact    |
|----------------------------|------------|------------------------|--------|-------------------|------------|
| Kolloju Akitha             | 8163815    | Incubatee Entrepreneur | Female | akitha@heamac.com | 7306554486 |
| Muddam Subrahmanyam Prasad | 6605495    | Incubatee Entrepreneur | Male   | prasad@heamac.com | 8885561113 |

|    |                                   |                    |              |      |                                     |  |         |                                    |   |                     |    |  |    |    |
|----|-----------------------------------|--------------------|--------------|------|-------------------------------------|--|---------|------------------------------------|---|---------------------|----|--|----|----|
| 11 | M/s Aerobiosys Innovation Pvt Ltd | Product Innovation | Technologica | 4936 | External to the Institute/Incubatee | <p>U85320 TG2019 PTC136 552</p> <p>Venture with Corporate Identification Number (CIN) Registration</p> | 2019-20 | Graduated from the Incubation unit | <p>Agency Name</p> <p>Agency Type</p> <p>2nd Runner up Tata Social Enterprise Challenge</p> <p>Award / Position / Recognition Secured</p> | TA and IIM Calcutta | No | <p>Center for Health Care Entrepreneurship, IITH Hyderabad</p> <p>Loan/Investment Agency Name</p> <p>Non-Govt. Agencies</p> <p>Agency Type</p> | No | No |
|----|-----------------------------------|--------------------|--------------|------|-------------------------------------|--|---------|------------------------------------|---|---------------------|----|--|----|----|



| Name                   | DIN number                |                                       | Type   | Gender |                                      | Email  | Contact    |  |    |    |    |    |     |
|------------------------|---------------------------|---------------------------------------|--|--------|--------------------------------------|--|------------|--|----|----|----|----|-----|
| AMITKUMAR VERNEKAR     | 6561539                   |                                       | Student                                      | Male   |                                      | amitverk@gmail.com   | 9902936832 |  |    |    |    |    |     |
| SARAH DSOUZA           | 6561661                   |                                       | Incubatee Entrepreneur                       | Female |                                      | dsouzasarah7@gmail.com   | 7259881240 |  |    |    |    |    |     |
| 13                     | M/s Beable health Pvt.Ltd | Product Innovation                    | Technologica                                 | 4936   | External to the Institute/ Incubatee | Venture with Corporate Identification Number (CIN) Registration U33100 TG2017 PTC120 457 | 2017-18    | Graduated from the Incubation unit               | No | No | No | No | No  |
| Name                   | DIN number                |                                       | Type   | Gender |                                      | Email  | Contact    |  |    |    |    |    |     |
| Habib Ali              | 7545771                   |                                       | Incubatee Entrepreneur                       | Male   |                                      | habib@beablehealth.com   | 7989945930 |  |    |    |    |    |     |
| 14                     | WISIG                     | Product Innovation,Process Innovation | Technologica                                 | 5732   | Faculty                              | Venture with Corporate Identification Number (CIN) Registration U74999 TG2016 PTC111 037 | 2017-18    | Received Incubation Support from Incubation Unit | No | No | No | No | Yes |
| Name                   | DIN number                |                                       | Type   | Gender |                                      | Email  | Contact    |  |    |    |    |    |     |
| Venkatramaiah Choudary | 7522593                   |                                       | Innovator/Entrepreneur External to Institute | Male   |                                      | kkuchi@iith.ac.in  | 9491398508 |  |    |    |    |    |     |
| Dr. Kiran Kuchi)       | 7522584                   |                                       | Faculty                                      | Male   |                                      | kkuchi@iith.ac.in  | 9491398508 |  |    |    |    |    |     |
| Srujana Tiruveedhi     | -                         |                                       | Innovator/Entrepreneur External to Institute | Female |                                      | -  | -          |  |    |    |    |    |     |
| 15                     | CrystalBall/ CBAI         | Product Innovation,Management Process | Technologica                                 | 5732   | External to the Institute/ Incubatee | Venture with Corporate Identification Number (CIN) Registration U72501 TG2018 PTC126 638 | 2018-19    | Received Incubation Support from Incubation Unit | No | No | No | No | No  |
| Name                   | DIN number                |                                       | Type   | Gender |                                      | Email  | Contact    |  |    |    |    |    |     |
| Mr. Malla Reddy Enti   | 8222260                   |                                       | Innovator/Entrepreneur External to Institute | Male   |                                      | sai@crystalball.ai   | 9110338895 |  |    |    |    |    |     |
| Lakshmi Bai Enti       | -                         |                                       | Innovator/Entrepreneur External to Institute | Female |                                      | -  | -          |  |    |    |    |    |     |

|                             |                            |  |              |  |                                     |   |                          |                         |  |            |        |    |    |    |
|-----------------------------|----------------------------|--|--------------|--|-------------------------------------|---|--------------------------|-------------------------|--|------------|--------|----|----|----|
| 16                          | Osure Care Pvt. Ltd.       | Product Innovation, Process Innovation | Technologica | 5732   | Faculty                             | Venture with Corporate Identification Number (CIN) Registration | U74900 AP2016 PTC098 048 | 2018-19                 | Received Incubation Support from Incubation Unit | No         | 700000 | No | No | No |
| Name                        |                            | DIN number                             |              | Type   |                                     | Gender  |                          | Email                   |  | Contact    |        |    |    |    |
| Dr. Vandana Sharma          |                            | 8069759                                |              | Faculty                                      |                                     | Female  |                          | vsharma@iith.ac.in      |  | 8985815940 |        |    |    |    |
| Mr. M. V. Amaresh Kumar     |                            | 7064685                                |              | Innovator/Entrepreneur External to Institute |                                     | Male  |                          | -                       |  | -          |        |    |    |    |
| Ms. Rohini Grandhi          |                            | -                                      |              | Innovator/Entrepreneur External to Institute |                                     | Female  |                          | -                       |  | -          |        |    |    |    |
| Mr. Ram Gopal               |                            | -                                      |              | Innovator/Entrepreneur External to Institute |                                     | Male  |                          | -                       |  | -          |        |    |    |    |
| Mr. G R K Paramahansa       |                            | 7086214                                |              | Innovator/Entrepreneur External to Institute |                                     | Male  |                          | -                       |  | -          |        |    |    |    |
| 17                          | M/s Kvayat Medical Pvt.Ltd | Product Innovation                     | Technologica | 135  | External to the Institute/Incubatee | Venture with Corporate Identification Number (CIN) Registration | U33309 TG2018 PTC125 627 | 2018-19                 | Graduated from the Incubation unit               | No         | No     | No | No | No |
| Name                        |                            | DIN number                             |              | Type   |                                     | Gender  |                          | Email                   |  | Contact    |        |    |    |    |
| Sai Laxman Bharadwaj Buneti |                            | 08178706                               |              | Incubatee Entrepreneur                       |                                     | Male  |                          | sai@kvayatmedical.com   |  | 9652724241 |        |    |    |    |
| Abhay Tanksali              |                            | 8178705                                |              | Incubatee Entrepreneur                       |                                     | Male  |                          | abhay@kvayatmedical.com |  | 7838301533 |        |    |    |    |

### List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

| Srno | Collaborated Agency Name | Collaborated Agency Type         | Purpose of Collaboration   | Type of Support Offered   | No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership | Date of MOU / Agreement Signed on |
|------|--------------------------|----------------------------------|--|---------------------------|---|-----------------------------------|
| 1    | HDFC Bank                | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Seed fund                 | 2   | 05-03-2019                        |
| 2    | MeitY                    | Govt. Agency (Central)           | Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups                                     | Pre-incubation, Seed fund | 4   | 01-11-2019                        |
| 3    | NIDHI Prayas             | Govt. Agency (Central)           | Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups                                     | Pre-incubation, Seed fund | 0   | 18-02-2020                        |
| 4    | NIDHI Accelerator        | Govt. Agency (Central)           | Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups                                     | Mentoring, Networking     | 14  | 02-12-2019                        |



|   |                 |                                  |  |           |   |            |
|---|-----------------|----------------------------------|--|-----------|---|------------|
| 5 | Astra Microwave | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Seed fund | 1 | 01-01-2019 |
|---|-----------------|----------------------------------|--|-----------|---|------------|

### List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

**No Data Filled!**

### List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

| Srno   | Title/Name of Patent   | IP Registration Number   | Date of Filed/Published (Year, Month)                                     | Application Level                                       | Copy of receipt / application screenshot [PDF or Image]                       |
|--|--|--|---|---|---|
| 1  | Single step electrochemical synthesis of nanocrystalline multicomponent alloy thin films/coatings in an aqueous medium | 201941013178   | National  | 2019 - 04   | Uploaded  |
|  | 2  | A system and process for segregation of low ash clean coal from coal tailing         | 202031005007  | National  | 2020 - 02   |
| Uploaded   |  | 3  | SYSTEM AND METHOD OF REFOCUSING A CAPTURED IMAGE                          | 201941042927  | National  |
| 2019 - 10  | Uploaded   |  | 4   | A system for a sheet metalworking and a process thereof | PCT/IB2020/05   |
| International  | 2020 - 02  | Uploaded   |   | 5   | A method of receiving signal stream and a receiver                            |
| WOIN2019/0504  | International  | 2019 - 05  | Uploaded  |   | 6   |
| Method and system for detection of accident in traffic surveillance video    | 201841003604   | National   | 2019 - 08   | Uploaded  |   |
| 7  | Method and system for detection of crime events in surveillance videos   | 201741041239   | National  | 2019 - 05   | Uploaded  |
|  | 8  | Method and system for real time detection of traffic violation by two-wheeled riders | 201741038813  | National  | 2019 - 05   |
| Uploaded   |  | 9  | Discrimination of Filled and Unfilled Grains of Rice Using Thermal Images | 201941019196  | National  |
| 2019 - 05  | Uploaded   |  | 10  | IITH LORA Mote - Low-Power Long Range                   | 201941030150  |
| National   | 2019 - 07  | Uploaded   |   | 11  | Method of determining modulation and coding scheme (mcs) and a system thereof |
| IN2019/050853  | International  | 2019 - 11  | Uploaded  |   | 12  |
| Method and system for generating a transmit waveform for reference sequences | IN2019/050792  | International  | 2019 - 10   | Uploaded  |   |
| 13   | Pharmaceutical compositions and delivery systems for prevention and treatment of candidiasis                           | IB2019/057802  | International   | 2019 - 09   | Uploaded  |

|   |   |  |   |   |  |
|---|---|--|---|---|--|
|   | 14  | Method and system for detecting physical random access channel (prach) transmission from multiple user equipment's | IN2019/050677   | International   | 2019 - 09  |
| Uploaded  |   | 15   | Method and system for scheduling a pool of resources to a plurality of user equipment's | IN2019/050585   | International  |
| 2019 - 08   | Uploaded  |  | 16  | Method and system for classifying speed of a user equipment | IN2019/050554  |
| International   | 2019 - 07   | Uploaded   |   | 17  | Dense medium cyclone for near gravity coal fraction separation |
| IB2019/055279   | International   | 2019 - 06  | Uploaded  |   | 18   |
| Beamformed physical downlink control channel for lte with full dimension multi input multi output | IN20194101795   | National   | 2019 - 05   | Uploaded  |  |
| 19  | HYBRID POLYMERIC NANOFORMULATIONS FOR THE TREATMENT OF RETINOBLASTOMA BY CHEMO/PHOTOTHERMAL THERAPY | 202041001986   | National  | 2020 - 01   | Uploaded   |

#### List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

| Srno  | Title/Name of IP                              | Type of IP               | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|--------------------------|------------------------|--|-----------------------|
| 1   | 3-D IDENTIFICATION OF SUBCUTANEOUS STRUCTURES | PatentsHoldByInnovations | 201941014930           | Filed                                      | Uploaded              |
| Applicant Name                                |   | Applicant Type           |                        | Start-up/Innovator Name                    |                       |
| Osure Care Pvt. Ltd. and Grey Scientific Labs |   | Incubatee Startup        |                        | Osure Care Pvt. Ltd. and                   |                       |

#### List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

|                        |
|------------------------|
| <b>No Data Filled!</b> |
|------------------------|

## Declaration

To,  
The ARIIA Committee  
MHRD's Innovation Cell  
New Delhi


### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Prof. B. S. Murty (Head of Institute) and Mr. Priyotosh Bandyopadhyay (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute




24/03/2021

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Prof. B. S. Murty  
Head of the Institution,  
Hyderabad, Telangana

Nodal officer



24/03/21

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Mr. Priyotosh Bandyopadhyay  
Nodal Officer,  
Hyderabad, Telangana