



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MHRD**  
Ministry of Human  
Resource Development  
Government of India

### Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2019-20

Institute Name: National Institute of Technology Calicut [ARI-U-0263]

#### Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

| 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? | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) |
|--|--------------------------|--------------|-------------------------|--|---------------------|---------------------|---------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|---|--|
| Entrepreneurship Development Programme                                     | Entrepreneurship/Startup | training     | Institute Lead Activity | Technology Business Incubator                      | 03-10-2018 00:00:00 | 30-10-2018 00:00:00 | 28                        | Within Campus    | 0                               | 0                               | 20                              | 0                               | 20                           | Yes   | 200179   |
| Faculty Development Program on Neural Networks to Deep Neural Network      | Innovation               | Training     | Institute Lead Activity | Computer Science and Engineering Department        | 13-12-2018 00:00:00 | 13-12-2018 00:00:00 | 1                         | Within Campus    | 10                              | 10                              | 0                               | 0                               | 20                           | No  | ---  |
| Faculty Development Programme in Entrepreneurship                          | Entrepreneurship/Startup | Training     | Institute Lead Activity | Technology Business Incubator                      | 03-12-2018 00:00:00 | 15-12-2018 00:00:00 | 13                        | Within Campus    | 0                               | 5                               | 0                               | 15                              | 20                           | Yes   | 250035   |
| Technology Based Entrepreneurship Development Programme in Food Processing | Entrepreneurship/Startup | Training     | Institute Lead Activity | Technology Business Incubator                      | 28-11-2018 00:00:00 | 11-01-2019 00:00:00 | 45                        | Within Campus    | 0                               | 0                               | 20                              | 0                               | 20                           | Yes   | 300422   |
| Faculty Development Programs On Security and Privacy of Big Data Analytics | Innovation               | Training     | Institute Lead Activity | Computer Science and Engineering Department        | 18-06-2018 00:00:00 | 23-06-2018 00:00:00 | 6                         | Within Campus    | 10                              | 10                              | 0                               | 0                               | 20                           | No  | ---  |
| Faculty Development Programme on Functional Materials and Devices          | Innovation               | Training     | Institute Lead Activity | Det. of Chemistry                                  | 10-09-2018 00:00:00 | 15-09-2018 00:00:00 | 6                         | Within Campus    | 5                               | 5                               | 10                              | 18                              | 38                           | Yes   | 200000   |

**Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation**

|   |                                      |  |                         |                               |                     |                     |    |                |     |   |    |   |     |     |        |
|---|--------------------------------------|--|-------------------------|-------------------------------|---------------------|---------------------|----|----------------|-----|---|----|---|-----|-----|--------|
| Women Entrepreneurship Development Programme  | Entrepreneurship/Startup             | Entrepreneurship awareness and development | Institute Lead Activity | Technology Business Incubator | 29-01-2019 00:00:00 | 26-03-2019 00:00:00 | 57 | Within Campus  | 0   | 0 | 26 | 0 | 26  | Yes | 200001 |
| Technology Based Entrepreneurship Development Programme (Applied Electronics and Networking )   | Entrepreneurship/Startup             | Entrepreneurship awareness and development | Institute Lead Activity | Technology Business Incubator | 20-03-2019 00:00:00 | 08-05-2019 00:00:00 | 50 | Within Campus  | 0   | 0 | 20 | 0 | 20  | Yes | 312883 |
| Entrepreneurship Development Programme  | Entrepreneurship/Startup             | Entrepreneurship awareness and development | Institute Lead Activity | Technology Business Incubator | 25-02-2019 00:00:00 | 23-03-2019 00:00:00 | 27 | Outside Campus | 0   | 0 | 20 | 0 | 20  | Yes | 200092 |
| Inspire Awards-Million Minds Augmenting National Aspirations and Knowledge Scheme   | Innovation                           | Workshop                                   | Institute Lead Activity | Technology Business Incubator | 17-01-2019 00:00:00 | 18-01-2019 00:00:00 | 2  | Within Campus  | 0   | 0 | 9  | 0 | 9   | Yes | 165034 |
| 2nd Malabar Innovation Festival   | Innovation                           | Awareness, Innovation                      | Institute Lead Activity | Technology Business Incubator | 14-11-2018 00:00:00 | 15-11-2018 00:00:00 | 2  | Outside Campus | 0   | 0 | 10 | 0 | 10  | Yes | 10000  |
| Orientation Programme for 2nd - Final year students of NITC   | Entrepreneurship/Startup, Innovation | Awareness and motivational speak           | Institute Lead Activity | Technology Business Incubator | 08-08-2018 00:00:00 | 08-08-2018 00:00:00 | 1  | Within Campus  | 61  | 1 | 0  | 0 | 62  | Yes | 15000  |
| Awareness Programme Orientation for the 1st year students   | Entrepreneurship/Startup, Innovation | Awareness                                  | Institute Lead Activity | Technology Business Incubator | 13-09-2018 00:00:00 | 27-09-2018 00:00:00 | 15 | Within Campus  | 500 | 0 | 0  | 0 | 500 | Yes | 15000  |
| IEDC Workshop   | Entrepreneurship/Startup, Innovation | Workshop                                   | Institute Lead Activity | Technology Business Incubator | 05-10-2018 00:00:00 | 05-10-2018 00:00:00 | 1  | Within Campus  | 140 | 3 | 0  | 1 | 144 | Yes | 20028  |
| Mentoring Session for the students shortlisted for the business plan competition as a part of the annual techno management fest of Tathva Interface | Entrepreneurship/Startup             | Mentoring Session                          | Institute Lead Activity | Technology Business Incubator | 10-10-2018 00:00:00 | 10-10-2018 00:00:00 | 1  | Within Campus  | 5   | 0 | 0  | 0 | 5   | No  | ---    |

## Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

|  |                                      |                               |                         |                               |                     |                     |   |                |     |   |     |   |     |     |       |
|--|--------------------------------------|-------------------------------|-------------------------|-------------------------------|---------------------|---------------------|---|----------------|-----|---|-----|---|-----|-----|-------|
| Tathva Interface and workshop on Innovation  | Innovation                           | Awareness                     | Institute Lead Activity | Technology Business Incubator | 12-10-2018 00:00:00 | 12-10-2018 00:00:00 | 1 | Within Campus  | 64  | 0 | 136 | 0 | 200 | Yes | 21367 |
| Boot Camp Startup India Yatra  | Entrepreneurship/Startup, Innovation | Boot Camp                     | Institute Lead Activity | Technology Business Incubator | 20-11-2018 00:00:00 | 20-11-2018 00:00:00 | 1 | Within Campus  | 23  | 2 | 147 | 7 | 179 | Yes | 15000 |
| workshop on Entrepreneurship in Life Sciences Domain   | Entrepreneurship/Startup             | Seminar                       | Institute Lead Activity | Technology Business Incubator | 18-01-2019 00:00:00 | 18-01-2019 00:00:00 | 1 | Within Campus  | 19  | 1 | 0   | 0 | 20  | Yes | 25000 |
| Bio Entrepreneurship Workshop  | Entrepreneurship/Startup             | Workshop                      | Institute Lead Activity | Technology Business Incubator | 11-01-2019 00:00:00 | 11-01-2019 00:00:00 | 1 | Within Campus  | 65  | 0 | 0   | 0 | 65  | Yes | 15000 |
| Awareness Programme on innovation for the 2nd year students  | Entrepreneurship/Startup             | Awareness                     | Institute Lead Activity | Technology Business Incubator | 15-02-2019 00:00:00 | 15-02-2019 00:00:00 | 1 | Within Campus  | 300 | 0 | 0   | 0 | 300 | Yes | 15000 |
| Workshop on Introduction to Artificial Intelligence  | Innovation                           | Technical Orientation Session | Student Lead Activity   | Technology Business Incubator | 11-03-2019 00:00:00 | 11-03-2019 00:00:00 | 1 | Within Campus  | 67  | 0 | 0   | 0 | 67  | No  | ---   |
| Converting ideas to products - design using Python - Workshop  | Innovation                           | Workshop                      | Student Lead Activity   | Technology Business Incubator | 16-03-2019 00:00:00 | 17-03-2019 00:00:00 | 2 | Within Campus  | 36  | 0 | 0   | 0 | 36  | Yes | 15000 |
| Design Thinking Workshop   | Innovation                           | Workshop                      | Institute Lead Activity | Technology Business Incubator | 16-03-2019 00:00:00 | 17-03-2019 00:00:00 | 2 | Within Campus  | 30  | 1 | 2   | 1 | 34  | Yes | 22750 |
| Training Programme on Social Engineering   | Entrepreneurship/Startup             | Training Programme            | Institute Lead Activity | Technology Business Incubator | 01-04-2018 00:00:00 | 01-04-2018 00:00:00 | 1 | Outside Campus | 0   | 0 | 200 | 0 | 200 | Yes | 60000 |
| Training on machinery for innovation and automation in traditional industry - workshop for Coir cluster artisans | Innovation                           | training                      | Institute Lead Activity | Technology Business Incubator | 13-11-2018 00:00:00 | 13-11-2018 00:00:00 | 1 | Outside Campus | 0   | 0 | 25  | 0 | 25  | Yes | 60000 |

**Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation**

|  |            |                     |                         |   |                     |                     |   |               |    |   |    |    |    |     |        |
|--|------------|---------------------|-------------------------|---|---------------------|---------------------|---|---------------|----|---|----|----|----|-----|--------|
| Faculty Development Program on Recent Innovations and Developments in Electrochemical and Chemical Process Optimization - RIDECP0-2019 | Innovation | Training            | Institute Lead Activity | Dept. of Chemical Engineering               | 17-06-2019 00:00:00 | 22-06-2019 00:00:00 | 6 | Within Campus | 22 | 1 | 15 | 1  | 39 | Yes | 200000 |
| One Day Workshop on Electrochemical Solutions for Research and Education   | Innovation | Workshop            | Institute Lead Activity | Dept. of Chemical Engineering               | 22-04-2019 00:00:00 | 22-04-2019 00:00:00 | 1 | Within Campus | 12 | 1 | 18 | 0  | 31 | No  | ---    |
| Tata Consultancy Services Workshop on Blockchain Technology  | Innovation | Workshop            | Institute Lead Activity | Computer Science and Engineering Department | 26-10-2018 00:00:00 | 26-10-2018 00:00:00 | 1 | Within Campus | 36 | 4 | 0  | 0  | 40 | No  | ---    |
| JMR Hackathon  | Innovation | Hackathone          | Institute Lead Activity | Computer Science and Engineering Department | 04-10-2018 00:00:00 | 05-10-2018 00:00:00 | 2 | Within Campus | 42 | 3 | 0  | 0  | 45 | No  | ---    |
| High performance computing concepts and practice   | Innovation | Short term course   | Institute Lead Activity | Computer Science and Engineering Department | 08-10-2018 00:00:00 | 13-10-2018 00:00:00 | 6 | Within Campus | 12 | 8 | 6  | 14 | 40 | Yes | 200000 |
| MINI POCO 2018   | Innovation | workshop            | Institute Lead Activity | Computer Science and Engineering Department | 10-11-2018 00:00:00 | 10-11-2018 00:00:00 | 1 | Within Campus | 28 | 4 | 6  | 1  | 39 | No  | ---    |
| Data and Text Mining in Bioinformatics   | Innovation | Short term training | Institute Lead Activity | Computer Science and Engineering Department | 10-09-2018 00:00:00 | 14-09-2018 00:00:00 | 5 | Within Campus | 12 | 6 | 8  | 12 | 38 | Yes | 180000 |
| Smart India Hackathon  | Innovation | Hackathone          | Institute Lead Activity | Computer Science and Engineering Department | 02-03-2019 00:00:00 | 03-03-2019 00:00:00 | 2 | Within Campus | 18 | 4 | 26 | 6  | 54 | Yes | 200000 |
| Neural Networks to Deep Neural Network   | Innovation | Training            | Institute Lead Activity | Computer Science and Engineering Department | 13-12-2018 00:00:00 | 13-12-2018 00:00:00 | 1 | Within Campus | 8  | 6 | 12 | 18 | 44 | Yes | 15000  |

**Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation**

|   |            |                     |                         |  |                     |                     |   |               |    |   |    |    |    |     |        |
|---|------------|---------------------|-------------------------|--|---------------------|---------------------|---|---------------|----|---|----|----|----|-----|--------|
| National Workshop on Advances in Welding and Materials Characterization               | Innovation | Workshop            | Institute Lead Activity | Dept. of Mechanical Engineering                    | 29-12-2018 00:00:00 | 30-12-2018 00:00:00 | 2 | Within Campus | 15 | 0 | 15 | 10 | 40 | Yes | 100000 |
| Environmental Quality Monitoring and Assessment                                       | Innovation | Training            | Institute Lead Activity | Civil Engineering                                  | 06-08-2018 00:00:00 | 11-08-2018 00:00:00 | 6 | Within Campus | 18 | 6 | 0  | 2  | 26 | No  | ---    |
| Atmospheric Pollution Science, Technology, Innovation and Compliance                  | Innovation | training            | Institute Lead Activity | Civil Engineering                                  | 07-08-2018 00:00:00 | 11-08-2018 00:00:00 | 5 | Within Campus | 12 | 2 | 6  | 2  | 22 | No  | ---    |
| Application of Systems Approach to Water Resources Engineering (SAWRE 18)             | Innovation | Short term training | Institute Lead Activity | Civil Engineering                                  | 01-06-2018 00:00:00 | 06-06-2018 00:00:00 | 6 | Within Campus | 16 | 6 | 6  | 8  | 36 | Yes | 200000 |
| Geotechnical Aspects on Dam safety Engineering  | Innovation | Training            | Institute Lead Activity | Civil Engineering                                  | 16-09-2018 00:00:00 | 18-09-2018 00:00:00 | 3 | Within Campus | 12 | 8 | 6  | 8  | 34 | Yes | 100000 |
| Analysis and Design Concepts Related to Dams and Appurtenant Structures               | Innovation | Short term training | Institute Lead Activity | Civil Engineering                                  | 07-01-2019 00:00:00 | 09-01-2019 00:00:00 | 3 | Within Campus | 20 | 8 | 2  | 8  | 38 | Yes | 100000 |
| Flood Peak Estimation and Flood Routing   | Innovation | Training            | Institute Lead Activity | Civil Engineering                                  | 12-11-2018 00:00:00 | 14-11-2018 00:00:00 | 3 | Within Campus | 12 | 6 | 4  | 8  | 30 | Yes | 100000 |
| Training Programme-Demonstration and training of FPGA development Kit- Platform-Tools | Innovation | Training            | Institute Lead Activity | Dept. of Electronics and Communication Engineering | 15-10-2018 00:00:00 | 15-10-2018 00:00:00 | 1 | Within Campus | 12 | 4 | 0  | 0  | 16 | No  | ---    |
| Technology workshop on DCS and PLC  | Innovation | Workshop            | Institute Lead Activity | Dept. of Electrical and Electronics Engineering    | 26-10-2018 00:00:00 | 27-10-2018 00:00:00 | 2 | Within Campus | 52 | 6 | 0  | 0  | 58 | Yes | 25000  |
| National workshop IoT and its Applications  | Innovation | Workshop            | Institute Lead Activity | Dept. of Electrical and Electronics Engineering    | 09-11-2018 00:00:00 | 10-11-2018 00:00:00 | 2 | Within Campus | 63 | 4 | 0  | 0  | 67 | Yes | 20000  |

### Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

|   |            |  |                         |   |                     |                     |   |               |    |   |    |    |    |     |        |
|---|------------|--|-------------------------|---|---------------------|---------------------|---|---------------|----|---|----|----|----|-----|--------|
| Advancements in Biomedical Engineering and Research                               | Innovation | Workshop   | Institute Lead Activity | Dept. of Electrical and Electronics Engineering | 21-12-2018 00:00:00 | 21-12-2018 00:00:00 | 1 | Within Campus | 6  | 0 | 32 | 4  | 42 | No  | ---    |
| FDP on Real Time Monitoring, Protection and Control of Power Systems (RTMPC 2018) | Innovation | Training   | Institute Lead Activity | Dept. of Electrical and Electronics Engineering | 21-05-2018 00:00:00 | 26-05-2018 00:00:00 | 6 | Within Campus | 18 | 2 | 1  | 22 | 43 | Yes | 217132 |
| Monitoring Environmental Quality  | Innovation | training   | Institute Lead Activity | Physics   | 06-08-2018 00:00:00 | 11-08-2018 00:00:00 | 6 | Within Campus | 6  | 5 | 0  | 16 | 27 | Yes | 200000 |
| FDP on Advanced Condition Monitoring Methods for Power Equipment                  | Innovation | Training   | Institute Lead Activity | Dept. of Electrical and Electronics Engineering | 09-07-2018 00:00:00 | 14-07-2018 00:00:00 | 6 | Within Campus | 20 | 5 | 0  | 23 | 48 | Yes | 210000 |
| Technology Clinic on Android Development and 3D Printing                          | Innovation | Workshop for developing the technology based skills in Android Development and 3D Printing | Institute Lead Activity | Technology Business Incubator                   | 13-03-2019 00:00:00 | 15-03-2019 00:00:00 | 3 | Within Campus | 0  | 0 | 25 | 0  | 25 | Yes | 25000  |
| GIAN One Week International Course on Data and Text Mining in Bioinformatics      | Innovation | Training   | Institute Lead Activity | Computer Science and Engineering                | 10-09-2018 00:00:00 | 14-09-2018 00:00:00 | 5 | Within Campus | 0  | 5 | 0  | 20 | 25 | Yes | 544000 |
| High Performance Computing Concepts and Practice, Emphasizing Accelerators        | Innovation | Training   | Institute Lead Activity | Computer Science and Engineering                | 08-10-2018 00:00:00 | 13-10-2018 00:00:00 | 6 | Within Campus | 0  | 3 | 0  | 46 | 49 | Yes | 544000 |
| Advances in Combustion Modeling   | Innovation | Training   | Institute Lead Activity | Mechanical Engineering                          | 04-03-2019 00:00:00 | 09-03-2019 00:00:00 | 6 | Within Campus | 3  | 3 | 0  | 42 | 48 | Yes | 544000 |

### Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

| 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 / | Had institute spent expenses either from own | Total Expense Amount Incurred by Institute? (In |
|-----------------------------|---------------|--------------|------------------------------------|------------------------|--------------------|------------------|----------------------------|-------------------------|------------------------|------------------------------|----------------------------------|--|--|--|---|
|-----------------------------|---------------|--------------|------------------------------------|------------------------|--------------------|------------------|----------------------------|-------------------------|------------------------|------------------------------|----------------------------------|--|--|--|---|

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|   |            |                     |  |                        |                     |                     |   |     |    |     |    |     | Recognition | resource/received fund towards sending delegation to participate/represent the program/activity/event? | Rupees) |
|---|------------|---------------------|--|------------------------|---------------------|---------------------|---|-----|----|-----|----|-----|-------------|--|---------|
| International conference on advanced chemical and structural biology- ICACSB-2019           | Innovation | Conference          | PRIST University, Chennai                        | Educational Institute  | 19-02-2019 00:00:00 | 19-02-2019 00:00:00 | 1 | 0   | 1  | 1   | No | --- | ---         | No   | ---     |
| International seminar on recent trends in bioinorganic chemistry                            | Innovation | Seminar             | Department of Chemistry, Loyola College, Chennai | Educational Institute  | 18-02-2019 00:00:00 | 18-02-2019 00:00:00 | 1 | 0   | 1  | 1   | No | --- | ---         | No   | ---     |
| RSC Roadshow  | Innovation | Road Show           | Indian Institute of Science Bangalore            | Govt. Agency (Central) | 28-09-2018 00:00:00 | 28-09-2018 00:00:00 | 1 | 100 | 10 | 110 | No | --- | ---         | No   | ---     |
| Faculty Development Programme   | Innovation | Training            | IIT Madras                                       | Govt. Agency (Central) | 21-03-2019 00:00:00 | 23-03-2019 00:00:00 | 3 | 0   | 1  | 1   | No | --- | ---         | Yes  | 4545    |
| Recent Trends in Environmental Engineering  | Innovation | short term training | TKM College of Engineering                       | Educational Institute  | 15-07-2019 00:00:00 | 19-07-2019 00:00:00 | 5 | 20  | 10 | 30  | No | --- | ---         | Yes  | 5000    |
| Introduction to Machine Learning and Deep Learning with Applications to Engineering Systems | Innovation | short term training | IIT Bombay                                       | Educational Institute  | 13-05-2019 00:00:00 | 17-05-2019 00:00:00 | 5 | 0   | 2  | 2   | No | --- | ---         | Yes  | 6000    |
| Heterogeneous Catalysis for Chemical Engineers  | Innovation | Short term training | IIT Kharagpur                                    | Educational Institute  | 10-12-2018 00:00:00 | 14-12-2018 00:00:00 | 5 | 0   | 2  | 2   | No | --- | ---         | Yes  | 8000    |
| International conference on advanced materials ICAM 2019                                    | Innovation | Conference          | Nirmalagiri College Kannur                       | Educational Institute  | 12-06-2019 00:00:00 | 14-06-2019 00:00:00 | 3 | 2   | 0  | 2   | No | --- | ---         | Yes  | 3000    |

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|   |            |            |  |                        |                     |                     |   |   |   |   |    |     |     |     |      |
|---|------------|------------|--|------------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|-----|------|
| 10th International Conference on Advancements in Polymeric Materials APM 2019                                     | Innovation | Conference | CIPET Chennai                              | Govt. Agency (Central) | 22-01-2019 00:00:00 | 24-01-2019 00:00:00 | 3 | 2 | 0 | 2 | No | --- | --- | Yes | 6000 |
| 2nd National Conference of Advances in Chemical and Environmental Engineering                                     | Innovation | conference | NIT Jalandhar                              | Educational Institute  | 22-03-2019 00:00:00 | 24-03-2019 00:00:00 | 3 | 1 | 0 | 1 | No | --- | --- | No  | ---  |
| 16th International Conference on Environmental Science and Technology   | Innovation | Conference | University of the AEGEAN                   | Educational Institute  | 04-09-2019 00:00:00 | 07-09-2019 00:00:00 | 4 | 1 | 0 | 1 | No | --- | --- | No  | ---  |
| International Conference on Emergent Research in Mathematics and Engineering ICERME 2019                          | Innovation | Conference | NIT Agartala                               | Educational Institute  | 17-05-2019 00:00:00 | 18-05-2019 00:00:00 | 2 | 0 | 1 | 1 | No | --- | --- | Yes | 8000 |
| 4th International Conference on Recent Advancements in Chemical, Environmental and Energy Engineering RACEEE 2019 | Innovation | Conference | SSN College of engineering, Chennai        | Educational Institute  | 14-02-2019 00:00:00 | 15-02-2019 00:00:00 | 2 | 5 | 0 | 5 | No | --- | --- | No  | ---  |
| INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS FOR ENERGY SCIENCE AND TECHNOLOGY                                  | Innovation | Conference | Department of Energy Engineering, Shillong | Educational Institute  | 26-02-2019 00:00:00 | 28-02-2019 00:00:00 | 3 | 1 | 1 | 2 | No | --- | --- | Yes | 7000 |
| Smart India Hackathon (SIH) 2019-Grand Finale   | Innovation | Hackathone | MHRD                                       | Govt. Agency (Central) | 08-07-2019 00:00:00 | 12-07-2019 00:00:00 | 5 | 7 | 1 | 8 | No | --- | --- | No  | ---  |



**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|   |            |                        |   |                        |                     |                     |   |   |   |   |    |     |     |     |       |
|---|------------|------------------------|---|------------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|-----|-------|
| New Generation ideation Contest 2019  | Innovation | hackathone             | HPCL Bangalore                                    | Govt. Agency (Central) | 12-09-2019 00:00:00 | 12-09-2019 00:00:00 | 1 | 1 | 1 | 2 | No | --- | --- | No  | ---   |
| Bioelectrochemical technologies for waste to energy conversion and resource recovery                        | Innovation | workshop               | Pondicherry University                            | Educational Institute  | 22-07-2019 00:00:00 | 24-07-2019 00:00:00 | 3 | 3 | 0 | 3 | No | --- | --- | Yes | 13500 |
| International Conference on Biotechnological Research and Innovation for Sustainable Development BioSD 2018 | Innovation | Conference             | CSIR-Indian Institute of Chemical Technology IICT | Govt. Agency (Central) | 22-11-2018 00:00:00 | 25-11-2018 00:00:00 | 4 | 0 | 1 | 1 | No | --- | --- | Yes | 3000  |
| 8th Global Conference on Global Warming GCGW 2019   | Innovation | conference             | Qatar University, Doha, Qatar                     | International Agencies | 20-04-2019 00:00:00 | 22-04-2019 00:00:00 | 3 | 2 | 0 | 2 | No | --- | --- | No  | ---   |
| International conference on Intelligent computing Information and Control Systems ICICCS 2019               | Innovation | Conference             | MRC Engineering college Secunderabad              | Educational Institute  | 27-06-2019 00:00:00 | 28-06-2019 00:00:00 | 2 | 2 | 0 | 2 | No | --- | --- | No  | ---   |
| Inter NIT Conclave  | Innovation | Innovation competition | NIT Rourkela                                      | Educational Institute  | 23-09-2019 00:00:00 | 25-09-2019 00:00:00 | 3 | 3 | 0 | 3 | No | --- | --- | No  | ---   |
| Advanced Computer Aided Modelling of Chemical and Biochemical Processes                                     | Innovation | Training               | NIT Warangal                                      | Educational Institute  | 03-09-2018 00:00:00 | 04-09-2018 00:00:00 | 2 | 2 | 0 | 2 | No | --- | --- | No  | ---   |
| Recent Trends in Clean Technologies for Sustainable Environment   | Innovation | workshop               | SSN College of engineering, Chennai               | Educational Institute  | 26-09-2019 00:00:00 | 27-09-2019 00:00:00 | 2 | 1 | 0 | 1 | No | --- | --- | Yes | 2000  |

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|  |                          |                   |   |                        |                     |                     |   |   |   |   |     |  |   |     |       |
|--|--------------------------|-------------------|---|------------------------|---------------------|---------------------|---|---|---|---|-----|--|---|-----|-------|
| Innovation and Entrepreneurship Development Centre Summit  | Entrepreneurship/Startup | Start up conclave | Kerala Start Up Mission   | Govt. Agency (State)   | 07-09-2018 00:00:00 | 11-09-2018 00:00:00 | 5 | 1 | 0 | 1 | No  | ---  | ---                                     | Yes | 2750  |
| Start Up Hunt  | Entrepreneurship/Startup | start up training | Maker Village   | Govt. Agency (Central) | 15-08-2018 00:00:00 | 19-08-2018 00:00:00 | 5 | 8 | 0 | 8 | No  | ---  | ---                                     | Yes | 32000 |
| 11th International Exergy, Energy and Environment Symposium  | Innovation               | Conference        | SRM University  | Educational Institute  | 14-07-2019 00:00:00 | 19-07-2019 00:00:00 | 6 | 2 | 0 | 2 | No  | ---  | ---                                     | Yes | 4000  |
| ICSCCC 2018  | Innovation               | Conference        | NIT JALANDHAR   | Educational Institute  | 15-12-2018 00:00:00 | 17-12-2018 00:00:00 | 3 | 2 | 1 | 3 | No  | ---  | ---                                     | Yes | 14000 |
| IEEE R10 Humanitarian Technology Conference 2018 HTC 2018  | Innovation               | Conference        | Sri Lanka Institute of Information Technology Colombo           | Educational Institute  | 06-12-2018 00:00:00 | 08-12-2018 00:00:00 | 3 | 1 | 1 | 2 | No  | ---  | ---                                     | Yes | 40000 |
| IEEE International Conference on Innovation and Intelligence for Informatics Computing and Technologies 2018 3ICT 2018 | Innovation               | Conference        | University of Bahrain   | International Agencies | 18-11-2018 00:00:00 | 19-11-2018 00:00:00 | 2 | 2 | 1 | 3 | No  | ---  | ---                                     | Yes | 60000 |
| Talk on Turing Machines  | Innovation               | Training          | Govt. Engineering College, Kannur                               | Educational Institute  | 08-11-2018 00:00:00 | 08-11-2018 00:00:00 | 1 | 0 | 1 | 1 | No  | ---  | ---                                     | No  | ---   |
| GIAN program on Exergy Analysis of Industrial Processes  | Innovation               | Training          | National Institute of Technology Warangal                       | Educational Institute  | 11-02-2019 00:00:00 | 15-02-2019 00:00:00 | 5 | 0 | 1 | 1 | Yes | Firstt place in evaluation test at the end of the course | Exergy Analysis of Industrial Processes | Yes | 20679 |
| Faculty Development Programme on Pedagogy  | Innovation               | Training          | Teaching Learning Centre, Indian Institute of Technology Madras | Educational Institute  | 21-03-2019 00:00:00 | 23-03-2019 00:00:00 | 3 | 0 | 1 | 1 | No  | ---  | ---                                     | Yes | 10000 |
| PFMS Workshop  | Entrepreneurship/Startup | training          | Indian STEP and Business Incubators Association                 | Non-Govt. Agencies     | 25-05-2018 00:00:00 | 25-05-2018 00:00:00 | 1 | 0 | 1 | 1 | No  | ---  | ---                                     | Yes | 7083  |

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|   |                          |                     |   |                                  |                     |                     |   |   |   |   |    |     |     |     |       |
|---|--------------------------|---------------------|---|----------------------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|-----|-------|
| Air Conditioning and Refrigeration Expo ACREX 2019  | Innovation               | Exhibition          | ISHRAE (Indian Society of Heating Refrigeration and Air conditioning Engineers) | Non-Govt. Agencies               | 28-02-2019 00:00:00 | 02-03-2019 00:00:00 | 3 | 2 | 0 | 2 | No | --- | --- | Yes | 11680 |
| Short term course on Experimental Flow Visualization and Measurement Techniques for both Incompressible and Compressible Flow Regimes | Innovation               | Training            | IIT - Kharagpur   | Educational Institute            | 12-03-2019 00:00:00 | 15-03-2019 00:00:00 | 4 | 2 | 0 | 2 | No | --- | --- | Yes | 8731  |
| MALABAR ANGEL INVESTOR MEET   | Entrepreneurship/Startup | Workshop            | Kerala aStartup Mission   | Govt. Agency (State)             | 30-05-2018 00:00:00 | 30-05-2018 00:00:00 | 1 | 0 | 2 | 2 | No | --- | --- | Yes | 1348  |
| IEDC Summit 2018  | Entrepreneurship/Startup | Workshop            | Kerala Start Up Mission   | Govt. Agency (State)             | 12-11-2018 00:00:00 | 13-11-2018 00:00:00 | 2 | 4 | 1 | 5 | No | --- | --- | Yes | 4484  |
| ISBA Managers Conclave  | Entrepreneurship/Startup | Training            | ISBA  | Corporate / Industry Association | 01-02-2019 00:00:00 | 03-02-2019 00:00:00 | 3 | 0 | 1 | 1 | No | --- | --- | Yes | 4149  |
| Kerala Incubator Network Meet up Convergence  | Entrepreneurship/Startup | Workshop            | Kerala Startup Mission  | Govt. Agency (State)             | 11-12-2018 00:00:00 | 11-12-2018 00:00:00 | 1 | 0 | 1 | 1 | No | --- | --- | Yes | 1839  |
| CIID Summer School on Business Strategy   | Entrepreneurship/Startup | Short term training | Kerala Start Up Mission   | Govt. Agency (State)             | 03-12-2018 00:00:00 | 07-12-2018 00:00:00 | 5 | 0 | 1 | 1 | No | --- | --- | Yes | 3762  |
| Faculty Development Programme on Machine Learning with Business Applications  | Innovation               | Training            | IIM Bangalore   | Educational Institute            | 08-10-2018 00:00:00 | 12-10-2018 00:00:00 | 5 | 0 | 1 | 1 | No | --- | --- | Yes | 26340 |
| Short Term Course on Advances in Welding Research and Technology  | Innovation               | Training            | IIT Guwahati  | Educational Institute            | 26-11-2018 00:00:00 | 30-11-2018 00:00:00 | 5 | 0 | 1 | 1 | No | --- | --- | No  | ---   |

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|  |            |            |   |                                  |                     |                     |   |   |   |   |    |     |     |     |       |
|--|------------|------------|---|----------------------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|-----|-------|
| Recent Advances in Pile Foundation Design  | Innovation | training   | IIT Bombay  | Educational Institute            | 24-06-2019 00:00:00 | 28-06-2019 00:00:00 | 5 | 0 | 2 | 2 | No | --- | --- | Yes | 24000 |
| Treviso Forensic 2018  | Innovation | Workshop   | The Association of Engineers of Treviso   | International Agencies           | 26-09-2018 00:00:00 | 28-09-2018 00:00:00 | 3 | 0 | 1 | 1 | No | --- | --- | Yes | 12000 |
| Innovations in Water and Wastewater Management Supporting India's Smart City Initiative          | Innovation | training   | IWA, Chennai  | Govt. Agency (Central)           | 05-06-2019 00:00:00 | 05-06-2019 00:00:00 | 1 | 0 | 1 | 1 | No | --- | --- | Yes | 10000 |
| International Dam Safety Conference  | Innovation | conference | CWC and OWRD  | Govt. Agency (Central)           | 13-02-2019 00:00:00 | 14-02-2019 00:00:00 | 2 | 0 | 1 | 1 | No | --- | --- | Yes | 14000 |
| International Conference on Industrial Water, Energy, and Environment                            | Innovation | Workshop   | CODISSIA with IWA   | Govt. Agency (Central)           | 25-01-2019 00:00:00 | 25-01-2019 00:00:00 | 1 | 0 | 1 | 1 | No | --- | --- | Yes | 14000 |
| Symposium on Innovations in Water Wastewater Management Supporting India's Smart City Initiative | Innovation | Workshop   | IWA, Chennai  | Govt. Agency (Central)           | 05-06-2018 00:00:00 | 05-06-2018 00:00:00 | 1 | 0 | 1 | 1 | No | --- | --- | Yes | 12000 |
| Workshop on Flooding in Cities, Warning, and Dissemination                                       | Innovation | Workshop   | NIOT, Chennai   | Govt. Agency (Central)           | 30-05-2018 00:00:00 | 31-05-2018 00:00:00 | 2 | 0 | 1 | 1 | No | --- | --- | Yes | 10000 |
| MEMS and NEMS-Fundamentals, Design and Fabrication   | Innovation | Training   | Indian Institute of Technology, Hyderabad   | Educational Institute            | 17-12-2018 00:00:00 | 22-12-2018 00:00:00 | 6 | 1 | 2 | 3 | No | --- | --- | Yes | 25000 |
| Winter School on Speech and Audio Processing 2019  | Innovation | Training   | International Speech and Communication Association, IEEE, College of Engineering Trivandrum | Corporate / Industry Association | 27-01-2019 00:00:00 | 29-01-2019 00:00:00 | 3 | 0 | 1 | 1 | No | --- | --- | Yes | 6000  |

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|  |            |            |   |                        |                     |                     |   |   |   |   |    |     |     |     |        |
|--|------------|------------|---|------------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|-----|--------|
| Workshop on High Performance VLSI Architectures for Digital Signal Processing              | Innovation | Workshop   | Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kancheepuram | Educational Institute  | 30-04-2018 00:00:00 | 04-05-2018 00:00:00 | 5 | 0 | 1 | 1 | No | --- | --- | Yes | 11943  |
| IEEE 3rd International Conference on Computing, Communication and Security (ICCCS-2018)    | Innovation | Conference | Institute of Engineering, Pulchowk Campus, Kathmandu, Nepal                               | Educational Institute  | 25-10-2018 00:00:00 | 27-10-2018 00:00:00 | 3 | 0 | 1 | 1 | No | --- | --- | Yes | 96136  |
| 4th International Conference for Convergence in Technology (I2CT), 2018                    | Innovation | Conference | IEEE  | International Agencies | 27-10-2018 00:00:00 | 28-10-2018 00:00:00 | 2 | 1 | 0 | 1 | No | --- | --- | Yes | 5000   |
| BMEiCON 2018 - 11th Biomedical Engineering International Conference                        | Innovation | Conference | IEEE Thailand Section   | International Agencies | 21-11-2018 00:00:00 | 24-11-2018 00:00:00 | 4 | 0 | 1 | 1 | No | --- | --- | Yes | 100000 |
| IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society             | Innovation | Conference | IEEE Industrial Electronics Society   | International Agencies | 21-10-2018 00:00:00 | 23-10-2018 00:00:00 | 3 | 0 | 1 | 1 | No | --- | --- | Yes | 145000 |
| 2018 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES) | Innovation | Conference | IEEE  | International Agencies | 18-12-2018 00:00:00 | 21-12-2018 00:00:00 | 4 | 0 | 1 | 1 | No | --- | --- | No  | ---    |
| International Conference on Power, Instrumentation, Control and Computing (PICC)           | Innovation | Conference | Government Engineering College, Thrissur, Kerala  | Educational Institute  | 18-01-2018 00:00:00 | 20-01-2018 00:00:00 | 3 | 1 | 0 | 1 | No | --- | --- | Yes | 5000   |

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|  |            |            |  |                        |                     |                     |   |   |   |   |    |     |     |     |       |
|--|------------|------------|--|------------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|-----|-------|
| International conference on Power And Energy System Towards Sustainable Energy         | Innovation | Conference | Amrita School of Engineering, Bengaluru                              | Educational Institute  | 18-01-2018 00:00:00 | 20-01-2018 00:00:00 | 3 | 1 | 0 | 1 | No | --- | --- | Yes | 4720  |
| 5th International Conference on Renewable Energy Generation and Applications (ICREGA)  | Innovation | Conference | UAE University, Al-Ain, UAE  | Educational Institute  | 26-02-2018 00:00:00 | 28-02-2018 00:00:00 | 3 | 0 | 1 | 1 | No | --- | --- | No  | ---   |
| IEEE 7th International Conference on Power and Energy (PECon)                          | Innovation | Conference | IEEE PES Malaysia Chapter  | International Agencies | 03-12-2018 00:00:00 | 04-12-2018 00:00:00 | 2 | 1 | 0 | 1 | No | --- | --- | Yes | 20682 |
| International Conference on Electrical Energy Systems 2019                             | Innovation | Conference | IEEE   | International Agencies | 21-02-2019 00:00:00 | 22-02-2019 00:00:00 | 2 | 1 | 0 | 1 | No | --- | --- | Yes | 5000  |
| I-PACT 2019  | Innovation | Conference | IEEE and Vellore Institute of Technology vellore                     | Educational Institute  | 22-03-2019 00:00:00 | 23-03-2019 00:00:00 | 2 | 1 | 0 | 1 | No | --- | --- | Yes | 6770  |
| 2019 International Conference on Computer Communication and Informatics (ICCCI - 2019) | Innovation | Conference | IEEE and Sri Shakthi Institute of Engineering and Technology (SSIET) | Educational Institute  | 24-01-2019 00:00:00 | 26-01-2019 00:00:00 | 3 | 1 | 0 | 1 | No | --- | --- | Yes | 6500  |
| IEEE women in Engineering International Leadership summit                              | Innovation | Conference | IEEE   | International Agencies | 07-09-2018 00:00:00 | 08-09-2018 00:00:00 | 2 | 0 | 2 | 2 | No | --- | --- | Yes | 5500  |
| Academic MIS Training  | Innovation | Training   | Jadavpur University, Kolkata   | Educational Institute  | 03-07-2018 00:00:00 | 03-07-2018 00:00:00 | 1 | 0 | 1 | 1 | No | --- | --- | Yes | 48292 |
| IEEE conference, ICCCS-2018  | Innovation | conference | IEEE   | International Agencies | 25-10-2018 00:00:00 | 27-10-2018 00:00:00 | 3 | 0 | 6 | 6 | No | --- | --- | Yes | 92483 |

**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

|  |            |            |  |                       |                     |                     |   |   |   |   |    |     |     |     |       |
|--|------------|------------|--|-----------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|-----|-------|
| GIAN COURSE RESILIENT POWER GRID OPERATION USING SYNCHROPHASOR TECHNOLOGY- A SMART GRID OPERATION PERSPECTIVE                        | Innovation | Training   | Delhi Technological University                             | Educational Institute | 17-10-2018 00:00:00 | 17-10-2018 00:00:00 | 1 | 3 | 0 | 3 | No | --- | --- | Yes | 19095 |
| Workshop on National IPR Policy  | IPR        | Workshop   | Gujarat State Council for Science and Technology (GUJCOST) | Govt. Agency (State)  | 28-01-2019 00:00:00 | 30-01-2019 00:00:00 | 3 | 0 | 1 | 1 | No | --- | --- | Yes | 38802 |
| 4th world congress on disaster management  | Innovation | Conference | IIT BOMBAY   | Educational Institute | 29-01-2019 00:00:00 | 01-02-2019 00:00:00 | 4 | 0 | 1 | 1 | No | --- | --- | Yes | 36505 |
| 34th National Convention of Architectural Engineers and National Seminar on Architectural Engineering for Socio-Economic Development | Innovation | Seminar    | National Institute of Technology Karnataka                 | Educational Institute | 24-11-2018 00:00:00 | 25-11-2018 00:00:00 | 2 | 0 | 1 | 1 | No | --- | --- | Yes | 10000 |

**Courses on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period 2018-19**

| Title of Course/Subject Offered   | Program Theme            | Type of Course | Level of Course               | Program Start Date  | Program End Date    | Program Duration(in Days) | Mode of Delivery | Total Enrolment Number | Total Number of Students Completed | Total Numbers of Contact Hours of Course |
|---|--------------------------|----------------|-------------------------------|---------------------|---------------------|---------------------------|------------------|------------------------|------------------------------------|--|
| Entrepreneurship Development Programme                                    | Entrepreneurship/Startup | EDP            | Short Term Certificate Course | 03-10-2018 00:00:00 | 30-10-2018 00:00:00 | 28                        | Offline          | 20                     | 20                                 | 156                                      |
| Faculty Development Programme   | Entrepreneurship/Startup | FDP            | Short Term Certificate Course | 03-12-2018 00:00:00 | 15-12-2018 00:00:00 | 13                        | Offline          | 20                     | 20                                 | 66                                       |
| Technology Based Entrepreneurship Development Programme (Food Processing) | Entrepreneurship/Startup | EDP            | Short Term Certificate Course | 28-11-2018 00:00:00 | 11-01-2019 00:00:00 | 45                        | Offline          | 20                     | 20                                 | 216                                      |
| Women Entrepreneurship Development Programme                              | Entrepreneurship/Startup | EDP            | Short Term Certificate Course | 29-01-2019 00:00:00 | 26-03-2019 00:00:00 | 57                        | Offline          | 26                     | 26                                 | 156                                      |

|   |                                      |                             |                               |                     |                     |     |         |    |    |     |
|---|--------------------------------------|-----------------------------|-------------------------------|---------------------|---------------------|-----|---------|----|----|-----|
| Technology Based Entrepreneurship Development Programme (Applied Electronics and Networking ) | Entrepreneurship/Startup             | EDP                         | Short Term Certificate Course | 20-03-2019 00:00:00 | 08-05-2019 00:00:00 | 50  | Offline | 20 | 20 | 216 |
| Entrepreneurship Development Programme  | Entrepreneurship/Startup             | EDP                         | Short Term Certificate Course | 25-02-2019 00:00:00 | 23-03-2019 00:00:00 | 27  | Offline | 20 | 20 | 156 |
| MANAGEMENT OF TECHNOLOGY AND INNOVATIONS  | Entrepreneurship/Startup, Innovation | Elective/Core Credit Course | Master                        | 18-12-2018 00:00:00 | 04-04-2019 00:00:00 | 108 | Offline | 40 | 40 | 39  |
| ENTREPRENEURSHIP AND NEW VENTURE CREATION   | Entrepreneurship/Startup             | Elective/Core Credit Course | Master                        | 17-12-2018 00:00:00 | 04-04-2019 00:00:00 | 109 | Offline | 40 | 40 | 39  |

### Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

| Name of Centre   | Type of Facility                                    | Year of Facility Creation | Facility Location / Address | Facility Incharge                              |  | Carpet Area of Facility | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities? |    | Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities? |
|--|---|---------------------------|-----------------------------|--|--|-------------------------|---|----|---|
|  |   |                           |                             | Facility Incharge Name                         | Facility Incharge Email                              |                         | Yes   | No |   |
| Bioinorganic/Biomimetic Inorganic Chemistry            | Centre of Excellence with Advance Tools & Equipment | 2018                      | NIT Calicut                 | Facility Incharge Name<br>Dr. M. Sankaralingam | Facility Incharge Email<br>msankaralingam@nitc.ac.in | 300 Sq. Ft.             | Yes   | No |   |
|  |   |                           |                             | Facility Incharge Phone<br>04952285325         | Annual Capital Expenditure (In Rupees)<br>700000     |                         | Annual Operational Expenditure (In Rupees)<br>700000  |    |   |
|  |   |                           |                             |  |  |                         |   |    |   |
| Organic Synthesis and Catalysis Laboratory             | Centre of Excellence with Advance Tools & Equipment | 2018                      | NIT Calicut                 | Facility Incharge Name<br>Dr Raju Dey          | Facility Incharge Email<br>rajudey@nitc.ac.in        | 30 Sq. Mtr.             | Yes   | No |   |
|  |   |                           |                             | Facility Incharge Phone<br>7558035591          | Annual Capital Expenditure (In Rupees)<br>250000     |                         | Annual Operational Expenditure (In Rupees)<br>50000   |    |   |
|  |   |                           |                             |  |  |                         |   |    |   |
| Laboratory for Advanced Materials and Applied Research | Centre of Excellence with Advance Tools & Equipment | 2018                      | NIT Calicut                 | Facility Incharge Name<br>Dr. Mini Mol M       | Facility Incharge Email<br>minimol@nitc.ac.in        | 375 Sq. Ft.             | Yes   | No |   |
|  |   |                           |                             | Facility Incharge Phone<br>86063567            | Annual Capital Expenditure (In Rupees)<br>800000     |                         | Annual Operational Expenditure (In Rupees)<br>800000  |    |   |
|  |   |                           |                             |  |  |                         |   |    |   |



## Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

|   |   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
|---|---|------|-------------|--|------------------------|-----------------|-------------------------|----------------------|-------------------------|-------------|--------------|--|-----|--|--|---------|--|--------|----|
| Mechatronics/Robotics Lab (Robotics Interest Group) | Centre of Excellence with Advance Tools & Equipment | 2012 | NIT Calicut | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Sudheer A P</td> </tr> <tr> <td>Facility Incharge Email</td> <td>apsudheer@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952286420</td> </tr> </table> | Facility Incharge Name | Dr. Sudheer A P | Facility Incharge Email | apsudheer@nitc.ac.in | Facility Incharge Phone | 04952286420 | 2500 Sq. Ft. | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>1750000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>100000</td> </tr> </table> | Yes |  | Annual Capital Expenditure (In Rupees) | 1750000 | Annual Operational Expenditure (In Rupees) | 100000 | No |
| Facility Incharge Name                              | Dr. Sudheer A P                                     |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Email                             | apsudheer@nitc.ac.in                                |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Phone                             | 04952286420   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Yes   |   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Capital Expenditure (In Rupees)              | 1750000   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Operational Expenditure (In Rupees)          | 100000  |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Metrology Lab                                       | Centre of Excellence with Advance Tools & Equipment | 1979 | NIT Calicut | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. P B Dhanish</td> </tr> <tr> <td>Facility Incharge Email</td> <td>dhanish@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952286401</td> </tr> </table>   | Facility Incharge Name | Dr. P B Dhanish | Facility Incharge Email | dhanish@nitc.ac.in   | Facility Incharge Phone | 04952286401 | 180 Sq. Mtr. | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>100000</td> </tr> </table>       | Yes |  | Annual Capital Expenditure (In Rupees) | 0       | Annual Operational Expenditure (In Rupees) | 100000 | No |
| Facility Incharge Name                              | Dr. P B Dhanish                                     |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Email                             | dhanish@nitc.ac.in                                  |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Phone                             | 04952286401   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Yes   |   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Capital Expenditure (In Rupees)              | 0   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Operational Expenditure (In Rupees)          | 100000  |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Tribology and Vibration Laboratory                  | Centre of Excellence with Advance Tools & Equipment | 2016 | NIT Calicut | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. M.L Joy</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mlj@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952286423</td> </tr> </table>           | Facility Incharge Name | Dr. M.L Joy     | Facility Incharge Email | mlj@nitc.ac.in       | Facility Incharge Phone | 04952286423 | 805 Sq. Ft.  | No   | No  |  |  |         |  |        |    |
| Facility Incharge Name                              | Dr. M.L Joy   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Email                             | mlj@nitc.ac.in                                      |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Phone                             | 04952286423   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Durability Lab                                      | Centre of Excellence with Advance Tools & Equipment | 2016 | NIT Calicut | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. J Sudhakar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>skumar@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952286200</td> </tr> </table>     | Facility Incharge Name | Dr. J Sudhakar  | Facility Incharge Email | skumar@nitc.ac.in    | Facility Incharge Phone | 04952286200 | 500 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>50000</td> </tr> </table>        | Yes |  | Annual Capital Expenditure (In Rupees) | 0       | Annual Operational Expenditure (In Rupees) | 50000  | No |
| Facility Incharge Name                              | Dr. J Sudhakar                                      |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Email                             | skumar@nitc.ac.in                                   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Phone                             | 04952286200   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Yes   |   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Capital Expenditure (In Rupees)              | 0   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Operational Expenditure (In Rupees)          | 50000   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Membrane Research Lab                               | Centre of Excellence with Advance Tools & Equipment | 2018 | NIT Calicut | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.Noel Jacob K</td> </tr> <tr> <td>Facility Incharge Email</td> <td>noel@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952285463</td> </tr> </table>      | Facility Incharge Name | Dr.Noel Jacob K | Facility Incharge Email | noel@nitc.ac.in      | Facility Incharge Phone | 04952285463 | 160 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>450000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>0</td> </tr> </table>       | Yes |  | Annual Capital Expenditure (In Rupees) | 450000  | Annual Operational Expenditure (In Rupees) | 0      | No |
| Facility Incharge Name                              | Dr.Noel Jacob K                                     |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Email                             | noel@nitc.ac.in                                     |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Facility Incharge Phone                             | 04952285463   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Yes   |   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Capital Expenditure (In Rupees)              | 450000  |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |
| Annual Operational Expenditure (In Rupees)          | 0   |      |             |  |                        |                 |                         |                      |                         |             |              |  |     |  |  |         |  |        |    |

## Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

|  |   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
|--|---|------|---|---|------------------------|---|-------------------------|-------------------------|-------------------------|-------------|--------------|---|-----|--|--|---------|--|---------|----|
| Chemical Technology Lab                          | Centre of Excellence with Advance Tools & Equipment | 2007 | NIT Calicut   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Lity Alen varghese</td> </tr> <tr> <td>Facility Incharge Email</td> <td>lityalen@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952285403</td> </tr> </table>                      | Facility Incharge Name | Dr. Lity Alen varghese                  | Facility Incharge Email | lityalen@nitc.ac.in     | Facility Incharge Phone | 04952285403 | 200 Sq. Mtr. | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>80000</td> </tr> </table>         | Yes |  | Annual Capital Expenditure (In Rupees) | 0       | Annual Operational Expenditure (In Rupees) | 80000   | No |
| Facility Incharge Name                           | Dr. Lity Alen varghese                              |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Email                          | lityalen@nitc.ac.in                                 |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Phone                          | 04952285403   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Yes  |   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Capital Expenditure (In Rupees)           | 0   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Operational Expenditure (In Rupees)       | 80000   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Environmental Engineering Lab                    | Centre of Excellence with Advance Tools & Equipment | 2009 | NIT Calicut   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.Sivasu bramania n V</td> </tr> <tr> <td>Facility Incharge Email</td> <td>siva@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952285406</td> </tr> </table>                          | Facility Incharge Name | Dr.Sivasu bramania n V                  | Facility Incharge Email | siva@nitc.ac.in         | Facility Incharge Phone | 04952285406 | 200 Sq. Mtr. | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>100000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>60000</td> </tr> </table>    | Yes |  | Annual Capital Expenditure (In Rupees) | 100000  | Annual Operational Expenditure (In Rupees) | 60000   | No |
| Facility Incharge Name                           | Dr.Sivasu bramania n V                              |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Email                          | siva@nitc.ac.in                                     |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Phone                          | 04952285406   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Yes  |   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Capital Expenditure (In Rupees)           | 100000  |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Operational Expenditure (In Rupees)       | 60000   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Diamond and related material laboratory          | Centre of Excellence with Advance Tools & Equipment | 2018 | NIT Calicut   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.Manee sh Chandran</td> </tr> <tr> <td>Facility Incharge Email</td> <td>maneesh@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952285100</td> </tr> </table>                         | Facility Incharge Name | Dr.Manee sh Chandran                    | Facility Incharge Email | maneesh@nitc.ac.in      | Facility Incharge Phone | 04952285100 | 400 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>100000</td> </tr> </table>        | Yes |  | Annual Capital Expenditure (In Rupees) | 0       | Annual Operational Expenditure (In Rupees) | 100000  | No |
| Facility Incharge Name                           | Dr.Manee sh Chandran                                |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Email                          | maneesh@nitc.ac.in                                  |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Phone                          | 04952285100   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Yes  |   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Capital Expenditure (In Rupees)           | 0   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Operational Expenditure (In Rupees)       | 100000  |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Opto Fluidics and Interface Science Laboratory   | Centre of Excellence with Advance Tools & Equipment | 2016 | NIT Calicut   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Subramanyan Namboodiri Varanakkottu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>varanakkottu@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952285125</td> </tr> </table> | Facility Incharge Name | Dr. Subramanyan Namboodiri Varanakkottu | Facility Incharge Email | varanakkottu@nitc.ac.in | Facility Incharge Phone | 04952285125 | 25 Sq. Mtr.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>3000000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>1000000</td> </tr> </table> | Yes |  | Annual Capital Expenditure (In Rupees) | 3000000 | Annual Operational Expenditure (In Rupees) | 1000000 | No |
| Facility Incharge Name                           | Dr. Subramanyan Namboodiri Varanakkottu             |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Email                          | varanakkottu@nitc.ac.in                             |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Phone                          | 04952285125   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Yes  |   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Capital Expenditure (In Rupees)           | 3000000   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Operational Expenditure (In Rupees)       | 1000000   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Innovation and Entrepreneurship Development cell | Pre-Incubation Centre                               | 2018 | IEDC, TBI NIT Calicut, NIT Campus P.O., Kerala - 673601 | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Anju Anie George</td> </tr> <tr> <td>Facility Incharge Email</td> <td>anju@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9492940801</td> </tr> </table>                                 | Facility Incharge Name | Anju Anie George                        | Facility Incharge Email | anju@nitc.ac.in         | Facility Incharge Phone | 9492940801  | 300 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>200000</td> </tr> </table>        | Yes |  | Annual Capital Expenditure (In Rupees) | 0       | Annual Operational Expenditure (In Rupees) | 200000  | No |
| Facility Incharge Name                           | Anju Anie George                                    |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Email                          | anju@nitc.ac.in                                     |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Facility Incharge Phone                          | 9492940801  |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Yes  |   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Capital Expenditure (In Rupees)           | 0   |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |
| Annual Operational Expenditure (In Rupees)       | 200000  |      |   |   |                        |   |                         |                         |                         |             |              |   |     |  |  |         |  |         |    |

**Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus**

|   |  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
|---|--|------|---|--|------------------------|------------------|-------------------------|------------------------|-------------------------|------------|---------------|--|-----|--|--|--------|--|---------|--|-----|--|--|---|--|---|---|---|
| Technology Business Incubator   | Incubation Unit  | 2003 | TBI NIT Calicut, NIT Campus P.O., Kerala - 673601 | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Preethi M</td> </tr> <tr> <td>Facility Incharge Email</td> <td>preethi@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9995421341</td> </tr> </table>            | Facility Incharge Name | Preethi M        | Facility Incharge Email | preethi@nitc.ac.in     | Facility Incharge Phone | 9995421341 | 11000 Sq. Ft. | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>109660</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>3910369</td> </tr> </table> | Yes |  | Annual Capital Expenditure (In Rupees) | 109660 | Annual Operational Expenditure (In Rupees) | 3910369 | <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>0</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) | 0 |
| Facility Incharge Name  | Preethi M  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Email   | preethi@nitc.ac.in   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Phone   | 9995421341   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Yes   |  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Capital Expenditure (In Rupees)  | 109660   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Operational Expenditure (In Rupees)  | 3910369  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| 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) | 0  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Institute Innovation Council  | Pre-Incubation Centre  | 2018 | TBI NIT Calicut, NIT Campus P.O., Kerala - 673601 | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Ravi Varma</td> </tr> <tr> <td>Facility Incharge Email</td> <td>r.varma@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9544106752</td> </tr> </table>       | Facility Incharge Name | Dr. Ravi Varma   | Facility Incharge Email | r.varma@nitc.ac.in     | Facility Incharge Phone | 9544106752 | 300 Sq. Ft.   | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>50000</td> </tr> </table>        | Yes |  | Annual Capital Expenditure (In Rupees) | 0      | Annual Operational Expenditure (In Rupees) | 50000   | No   |     |  |  |   |  |   |   |   |
| Facility Incharge Name  | Dr. Ravi Varma   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Email   | r.varma@nitc.ac.in   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Phone   | 9544106752   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Yes   |  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Capital Expenditure (In Rupees)  | 0  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Operational Expenditure (In Rupees)  | 50000  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| SFURTI Project Cell   | IPR Cell / Patent Facilitation Unit / Technology Transfer Centre | 2016 | Naduvannur, Balussery, Kozhikode, Kerala          | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Vijith Kumar C V</td> </tr> <tr> <td>Facility Incharge Email</td> <td>vijitharyan@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9895264652</td> </tr> </table> | Facility Incharge Name | Vijith Kumar C V | Facility Incharge Email | vijitharyan@nitc.ac.in | Facility Incharge Phone | 9895264652 | 2600 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>821844</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>1173513</td> </tr> </table> | Yes |  | Annual Capital Expenditure (In Rupees) | 821844 | Annual Operational Expenditure (In Rupees) | 1173513 | No   |     |  |  |   |  |   |   |   |
| Facility Incharge Name  | Vijith Kumar C V   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Email   | vijitharyan@nitc.ac.in   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Phone   | 9895264652   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Yes   |  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Capital Expenditure (In Rupees)  | 821844   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Operational Expenditure (In Rupees)  | 1173513  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| PRAYAS Centre   | Pre-Incubation Centre  | 2018 | TBI NIT Calicut, NIT Campus P.O., Kerala - 673601 | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. S. Ashok</td> </tr> <tr> <td>Facility Incharge Email</td> <td>deanrc@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9446647271</td> </tr> </table>          | Facility Incharge Name | Dr. S. Ashok     | Facility Incharge Email | deanrc@nitc.ac.in      | Facility Incharge Phone | 9446647271 | 3000 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>7121000</td> </tr> </table>      | Yes |  | Annual Capital Expenditure (In Rupees) | 0      | Annual Operational Expenditure (In Rupees) | 7121000 | No   |     |  |  |   |  |   |   |   |
| Facility Incharge Name  | Dr. S. Ashok   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Email   | deanrc@nitc.ac.in  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Facility Incharge Phone   | 9446647271   |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Yes   |  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Capital Expenditure (In Rupees)  | 0  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |
| Annual Operational Expenditure (In Rupees)  | 7121000  |      |   |  |                        |                  |                         |                        |                         |            |               |  |     |  |  |        |  |         |  |     |  |  |   |  |   |   |   |

## Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

|  |   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
|--|---|------|--|--|------------------------|-----------------|-------------------------|---------------------|-------------------------|-------------|--------------|--|-----|--|--|----------|--|--------|----|
| Gas Sensor Lab                             | Centre of Excellence with Advance Tools & Equipment | 2019 | NIT Calicut                              | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr Suja K J</td> </tr> <tr> <td>Facility Incharge Email</td> <td>suja@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9895127812</td> </tr> </table>         | Facility Incharge Name | Dr Suja K J     | Facility Incharge Email | suja@nitc.ac.in     | Facility Incharge Phone | 9895127812  | 200 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>5370000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>400000</td> </tr> </table> | Yes |  | Annual Capital Expenditure (In Rupees) | 5370000  | Annual Operational Expenditure (In Rupees) | 400000 | No |
| Facility Incharge Name                     | Dr Suja K J   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Email                    | suja@nitc.ac.in                                     |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Phone                    | 9895127812  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Yes  |   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Annual Capital Expenditure (In Rupees)     | 5370000   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Annual Operational Expenditure (In Rupees) | 400000  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Advanced Wireless Communication Lab        | Centre of Excellence with Advance Tools & Equipment | 2019 | NIT Calicut                              | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Sameer S.M.</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sameer@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9446500650</td> </tr> </table>   | Facility Incharge Name | Dr. Sameer S.M. | Facility Incharge Email | sameer@nitc.ac.in   | Facility Incharge Phone | 9446500650  | 1000 Sq. Ft. | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>21500000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>0</td> </tr> </table>     | Yes |  | Annual Capital Expenditure (In Rupees) | 21500000 | Annual Operational Expenditure (In Rupees) | 0      | No |
| Facility Incharge Name                     | Dr. Sameer S.M.                                     |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Email                    | sameer@nitc.ac.in                                   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Phone                    | 9446500650  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Yes  |   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Annual Capital Expenditure (In Rupees)     | 21500000  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Annual Operational Expenditure (In Rupees) | 0   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| High Voltage Lab                           | Centre of Excellence with Advance Tools & Equipment | 2014 | NIT Calicut                              | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.Preetha P</td> </tr> <tr> <td>Facility Incharge Email</td> <td>preetha@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952286315</td> </tr> </table>    | Facility Incharge Name | Dr.Preetha P    | Facility Incharge Email | preetha@nitc.ac.in  | Facility Incharge Phone | 04952286315 | 750 Sq. Ft.  | <table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>600000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>100000</td> </tr> </table>  | Yes |  | Annual Capital Expenditure (In Rupees) | 600000   | Annual Operational Expenditure (In Rupees) | 100000 | No |
| Facility Incharge Name                     | Dr.Preetha P  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Email                    | preetha@nitc.ac.in                                  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Phone                    | 04952286315   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Yes  |   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Annual Capital Expenditure (In Rupees)     | 600000  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Annual Operational Expenditure (In Rupees) | 100000  |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Thermal Science Lab                        | Centre of Excellence with Advance Tools & Equipment | 1979 | National Institute of Technology Calicut | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr T J S Jothi</td> </tr> <tr> <td>Facility Incharge Email</td> <td>tjsjothi@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952286419</td> </tr> </table> | Facility Incharge Name | Dr T J S Jothi  | Facility Incharge Email | tjsjothi@nitc.ac.in | Facility Incharge Phone | 04952286419 | 1000 Sq. Ft. | No   | No  |  |  |          |  |        |    |
| Facility Incharge Name                     | Dr T J S Jothi                                      |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Email                    | tjsjothi@nitc.ac.in                                 |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Phone                    | 04952286419   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Applied NANO engineering lab               | Centre of Excellence with Advance Tools & Equipment | 2017 | NIT Calicut                              | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr V Sajith</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sajith@nitc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>04952286525</td> </tr> </table>      | Facility Incharge Name | Dr V Sajith     | Facility Incharge Email | sajith@nitc.ac.in   | Facility Incharge Phone | 04952286525 | 1260 Sq. Ft. | No   | No  |  |  |          |  |        |    |
| Facility Incharge Name                     | Dr V Sajith   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Email                    | sajith@nitc.ac.in                                   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |
| Facility Incharge Phone                    | 04952286525   |      |  |  |                        |                 |                         |                     |                         |             |              |  |     |  |  |          |  |        |    |

### Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

|                                     |   |      |             |                         |                       |             |  |        |    |
|-------------------------------------|---|------|-------------|-------------------------|-----------------------|-------------|--|--------|----|
| Organic and nano electronics lab    | Centre of Excellence with Advance Tools & Equipment | 2010 | NIT Calicut | Facility Incharge Name  | Dr. Vari Sivaji Reddy | 350 Sq. Ft. | No   | No     |    |
|                                     |   |      |             | Facility Incharge Email | sivaji@nitc.ac.in     |             |  |        |    |
|                                     |   |      |             | Facility Incharge Phone | 04952285108           |             |  |        |    |
| Photonics Materials and Devices Lab | Centre of Excellence with Advance Tools & Equipment | 2010 | NIT Calicut | Facility Incharge Name  | Dr Aji A Anappara     | 400 Sq. Ft. | Yes  |        | No |
|                                     |   |      |             | Facility Incharge Email | aji@nitc.ac.in        |             | Annual Capital Expenditure (In Rupees)     | 0      |    |
|                                     |   |      |             | Facility Incharge Phone | 04952285107           |             | Annual Operational Expenditure (In Rupees) | 239880 |    |

### Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus

| Name of Centre   | Source of Grant / Fund          | Agency Name                          | Agency Type            | Had Received Grants / Funds by Pre-Incubation & Incubation Centre / Facilities exists in Campus? | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) |
|--|---------------------------------|--------------------------------------|------------------------|--|---|
| Laboratory for Advanced Materials and Applied Research | Funding Agency                  | DST                                  | Govt. Agency (Central) | Yes  | 700000  |
| Mechatronics/Robotics Lab (Robotics Interest Group)    | Institute's Own Fund / Resource | ---                                  | ---                    | Yes  | 1850000   |
| Metrology Lab  | Institute's Own Fund / Resource | ---                                  | ---                    | Yes  | 100000  |
| Durability Lab   | Institute's Own Fund / Resource | ---                                  | ---                    | Yes  | 50000   |
| Membrane Research Lab                                  | Institute's Own Fund / Resource | ---                                  | ---                    | Yes  | 450000  |
| Chemical Technology Lab                                | Institute's Own Fund / Resource | ---                                  | ---                    | Yes  | 80000   |
| Environmental Engineering Lab                          | Institute's Own Fund / Resource | ---                                  | ---                    | Yes  | 160000  |
| Diamond and related material laboratory                | Institute's Own Fund / Resource | ---                                  | ---                    | Yes  | 100000  |
| Innovation and Entrepreneurship Development cell       | Funding Agency                  | Kerala Start up Mission              | Govt. Agency (State)   | Yes  | 200000  |
| SFURTI Project Cell                                    | Funding Agency                  | Coir Board                           | Govt. Agency (Central) | Yes  | 3055025   |
| Technology Business Incubator                          | Funding Agency                  | Department of Science and technology | Govt. Agency (Central) | Yes  | 4690000   |
| PRAYAS Centre  | Funding Agency                  | Department of Science and Technology | Govt. Agency (Central) | Yes  | 17600000  |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre  | Name of Centre  | Stage of Innovation (TRL Stage)   | Innovation Developed by | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                           | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |      |      |        |       |         |                |                     |      |                      |             |
|---|---|---|-------------------------|--------------------------------------|----------------------------------|---|---|--|---|---|------|------|--------|-------|---------|----------------|---------------------|------|----------------------|-------------|
| Remotely operated cleaning vehicle for aquatic environment  | Mechatronics/Robotics Lab (Robotics Interest Group)   | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Faculty and Student     | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Yes  | No  | No  |      |      |        |       |         |                |                     |      |                      |             |
|   |   |   |                         |                                      |                                  |   |   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   |   |   |      |      |        |       |         |                |                     |      |                      |             |
|   |   |   |                         |                                      |                                  |   |   | 200000   |   |   |      |      |        |       |         |                |                     |      |                      |             |
| <p><b>Principal Innovator</b></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr.Sudheer A P</td> <td>Faculty</td> <td>Male</td> <td>apsudheer@nitc.ac.in</td> <td>04952286420</td> </tr> </tbody> </table> |   |   |                         |                                      |                                  |   |   |  |   |   | Name | Type | Gender | Email | Contact | Dr.Sudheer A P | Faculty             | Male | apsudheer@nitc.ac.in | 04952286420 |
| Name  | Type  | Gender  | Email                   | Contact                              |                                  |   |   |  |   |   |      |      |        |       |         |                |                     |      |                      |             |
| Dr.Sudheer A P  | Faculty   | Male  | apsudheer@nitc.ac.in    | 04952286420                          |                                  |   |   |  |   |   |      |      |        |       |         |                |                     |      |                      |             |
| Adjustable Bed  | Mechatronics/Robotics Lab (Robotics Interest Group)   | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Faculty and Student     | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 3 : Applied research. First laboratory tests completed; proof of concept.       | Yes  | No  | No  |      |      |        |       |         |                |                     |      |                      |             |
|   |   |   |                         |                                      |                                  |   |   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   |   |   |      |      |        |       |         |                |                     |      |                      |             |
|   |   |   |                         |                                      |                                  |   |   | 75000  |   |   |      |      |        |       |         |                |                     |      |                      |             |
| No  | <p><b>Principal Innovator</b></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr.Sudheer A P</td> <td>Faculty and Student</td> <td>Male</td> <td>apsudheer@nitc.ac.in</td> <td>04952286420</td> </tr> </tbody> </table> |   |                         |                                      |                                  |   |   |  |   |   | Name | Type | Gender | Email | Contact | Dr.Sudheer A P | Faculty and Student | Male | apsudheer@nitc.ac.in | 04952286420 |
|   | Name  | Type  | Gender                  | Email                                | Contact                          |   |   |  |   |   |      |      |        |       |         |                |                     |      |                      |             |
|   | Dr.Sudheer A P  | Faculty and Student   | Male                    | apsudheer@nitc.ac.in                 | 04952286420                      |   |   |  |   |   |      |      |        |       |         |                |                     |      |                      |             |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre                             | Name of Centre  | Stage of Innovation (TRL Stage)                     | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
|--|---|---|---|--------------------------------------|--------------------|---|---|--|---|---|--|-------|----|--|--|--|--|--|--|--|------|------|--------|-------|---------|--|--|--|--|--|-----------------|---------------------|------|----------------------|-------------|--|--|--|--|--|
| Special Wheel Chair  |   | Mechatronics/Robotics Lab (Robotics Interest Group) | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Faculty and Student                  | 2018               | Non-IP / Non-Patented Technology                          | Still Under Development Process                           | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>79500</td></tr> </table>                        | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 79500 | No |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Yes  |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| 79500  |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| No   | <table border="1"> <tr><th colspan="10">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> <th colspan="5"></th> </tr> <tr> <td>Dr. Sudheer A.P</td> <td>Faculty and Student</td> <td>Male</td> <td>apsudheer@nitc.ac.in</td> <td>04952286420</td> <td colspan="5"></td> </tr> </table> |   |   |                                      |                    |   |   |  |   |   | Principal Innovator  |       |    |  |  |  |  |  |  |  | Name | Type | Gender | Email | Contact |  |  |  |  |  | Dr. Sudheer A.P | Faculty and Student | Male | apsudheer@nitc.ac.in | 04952286420 |  |  |  |  |  |
| Principal Innovator  |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Name   | Type  | Gender  | Email   | Contact                              |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Dr. Sudheer A.P  | Faculty and Student   | Male  | apsudheer@nitc.ac.in  | 04952286420                          |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Riggu-Semi Humanoid Robot  |   | Mechatronics/Robotics Lab (Robotics Interest Group) | TRL 3 : Applied research. First laboratory tests completed; proof of concept.       | Faculty and Student                  | 2018               | Non-IP / Non-Patented Technology                          | Still Under Development Process                           | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>82500</td></tr> </table>                        | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 82500 | No |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Yes  |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| 82500  |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| No   | <table border="1"> <tr><th colspan="10">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> <th colspan="5"></th> </tr> <tr> <td>Dr. A P Sudheer</td> <td>Faculty and Student</td> <td>Male</td> <td>apsudheer@nitc.ac.in</td> <td>04952286420</td> <td colspan="5"></td> </tr> </table> |   |   |                                      |                    |   |   |  |   |   | Principal Innovator  |       |    |  |  |  |  |  |  |  | Name | Type | Gender | Email | Contact |  |  |  |  |  | Dr. A P Sudheer | Faculty and Student | Male | apsudheer@nitc.ac.in | 04952286420 |  |  |  |  |  |
| Principal Innovator  |   |   |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Name   | Type  | Gender  | Email   | Contact                              |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |
| Dr. A P Sudheer  | Faculty and Student   | Male  | apsudheer@nitc.ac.in  | 04952286420                          |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                 |                     |      |                      |             |  |  |  |  |  |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre                             | Name of Centre  | Stage of Innovation (TRL Stage)   | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                     | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
|--|---|---|---|--------------------------------------|----------------------------------|---|---|--|---|---|--|--------|----|--|--|------|------|--------|-------|---------|--------------------|---------------------|--------|--------------------------|-------------|
| Development of a novel process to upcycle used metallized polypropylene film packing                         |   | Metrology Lab   | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Faculty and Student                  | 2018                             | Non-IP / Non-Patented Technology                          | Still Under Development Process   | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>37967</td></tr> </table>                        | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 37967  | No |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Yes  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| 37967  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| No   | <table border="1"> <tr><th colspan="5">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> <tr> <td>Dr. P B Dhanish</td> <td>Faculty</td> <td>Male</td> <td>dhanish@nitc.ac.in</td> <td>04952286401</td> </tr> </table>                        |   |   |                                      |                                  |   |   |  |   |   | Principal Innovator  |        |    |  |  | Name | Type | Gender | Email | Contact | Dr. P B Dhanish    | Faculty             | Male   | dhanish@nitc.ac.in       | 04952286401 |
| Principal Innovator  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Name   | Type  | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Dr. P B Dhanish  | Faculty   | Male  | dhanish@nitc.ac.in  | 04952286401                          |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Experimental study on Geopolymer mortar with different types of clay   | Durability Lab  | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student   | 2018                                 | Non-IP / Non-Patented Technology | Completed but No Further Action Taken                     | TRL 3 : Applied research. First laboratory tests completed; proof of concept. |  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>101000</td></tr> </table>                       | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 101000 | No |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Yes  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| 101000   |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| No   | <table border="1"> <tr><th colspan="5">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> <tr> <td>Ms. Reesha Bharath</td> <td>Faculty and Student</td> <td>Female</td> <td>reeshabharath@nitc.ac.in</td> <td>04952286223</td> </tr> </table> |   |   |                                      |                                  |   |   |  |   |   | Principal Innovator  |        |    |  |  | Name | Type | Gender | Email | Contact | Ms. Reesha Bharath | Faculty and Student | Female | reeshabharath@nitc.ac.in | 04952286223 |
| Principal Innovator  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Name   | Type  | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |
| Ms. Reesha Bharath   | Faculty and Student   | Female  | reeshabharath@nitc.ac.in  | 04952286223                          |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                    |                     |        |                          |             |



**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre  | Name of Centre  | Stage of Innovation (TRL Stage) | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
|---|---|---------------------------------|---|--------------------------------------|--------------------|---|---|--|---|---|--|-------|----|--|--|--|--|--|--|--|------|------|--------|-------|---------|--|--|--|--|--|--------------------------|---------------------|--------|--------------------------|-------------|--|--|--|--|--|
| Improving the pozzolanic activity of rice husk  |   | Durability Lab                  | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018               | Non-IP / Non-Patented Technology                          | Completed but No Further Action Taken                     | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>94000</td></tr> </table>                        | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 94000 | No |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Yes   |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)            |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| 94000   |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| No  | <table border="1"> <tr><th colspan="10">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> <th colspan="5"></th> </tr> <tr> <td>Ms.Reesha Bharath K</td> <td>Faculty and Student</td> <td>Female</td> <td>reeshabharath@nitc.ac.in</td> <td>04952286223</td> <td colspan="5"></td> </tr> </table> |                                 |   |                                      |                    |   |   |  |   |   | Principal Innovator  |       |    |  |  |  |  |  |  |  | Name | Type | Gender | Email | Contact |  |  |  |  |  | Ms.Reesha Bharath K      | Faculty and Student | Female | reeshabharath@nitc.ac.in | 04952286223 |  |  |  |  |  |
| Principal Innovator   |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Name  | Type  | Gender                          | Email   | Contact                              |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Ms.Reesha Bharath K   | Faculty and Student   | Female                          | reeshabharath@nitc.ac.in  | 04952286223                          |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Development of layered double hydroxide incorporated PEI membranes with enhanced antifouling and photocatalytic ability |   | Membrane Research Lab           | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018               | Non-IP / Non-Patented Technology                          | Still Under Development Process                           | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>57077</td></tr> </table>                        | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 57077 | No |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Yes   |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)            |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| 57077   |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| No  | <table border="1"> <tr><th colspan="10">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> <th colspan="5"></th> </tr> <tr> <td>Dr. Noel Jacob Kaleekkal</td> <td>Faculty and Student</td> <td>Male</td> <td>noel@nitc.ac.in</td> <td>04952285463</td> <td colspan="5"></td> </tr> </table>       |                                 |   |                                      |                    |   |   |  |   |   | Principal Innovator  |       |    |  |  |  |  |  |  |  | Name | Type | Gender | Email | Contact |  |  |  |  |  | Dr. Noel Jacob Kaleekkal | Faculty and Student | Male   | noel@nitc.ac.in          | 04952285463 |  |  |  |  |  |
| Principal Innovator   |   |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Name  | Type  | Gender                          | Email   | Contact                              |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |
| Dr. Noel Jacob Kaleekkal  | Faculty and Student   | Male                            | noel@nitc.ac.in   | 04952285463                          |                    |   |   |  |   |   |  |       |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                          |                     |        |                          |             |  |  |  |  |  |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre                             | Name of Centre   | Stage of Innovation (TRL Stage) | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
|--|--|---------------------------------|---|--------------------------------------|--------------------|---|---|--|---|---|--|-------|----|--|--|------|------|--------|-------|---------|------------------------|---------------------|--------|---------------------|-------------|
| Preparation and characterization of nanoparticles enhanced bio lubricant                                     |  | Chemical Technology Lab         | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018               | Non-IP / Non-Patented Technology                          | Completed but No Further Action Taken                     | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>60000</td></tr> </table>                        | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 60000 | No |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Yes  |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| 60000  |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| No   | <table border="1"> <tr><th colspan="5">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> <tr> <td>Dr. Lity Alen Varghese</td> <td>Faculty and Student</td> <td>Female</td> <td>lityalen@nitc.ac.in</td> <td>04952285403</td> </tr> </table> |                                 |   |                                      |                    |   |   |  |   |   | Principal Innovator  |       |    |  |  | Name | Type | Gender | Email | Contact | Dr. Lity Alen Varghese | Faculty and Student | Female | lityalen@nitc.ac.in | 04952285403 |
| Principal Innovator  |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Name   | Type   | Gender                          | Email   | Contact                              |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Dr. Lity Alen Varghese   | Faculty and Student  | Female                          | lityalen@nitc.ac.in   | 04952285403                          |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Designing a cost effective and more efficient electrochemical reactor  |  | Environmental Engineering Lab   | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018               | Non-IP / Non-Patented Technology                          | Completed but No Further Action Taken                     | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>64728</td></tr> </table>                        | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 64728 | No |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Yes  |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| 64728  |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| No   | <table border="1"> <tr><th colspan="5">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> <tr> <td>Dr. V Sivasubramanian</td> <td>Faculty and Student</td> <td>Male</td> <td>siva@nitc.ac.in</td> <td>04952285406</td> </tr> </table>        |                                 |   |                                      |                    |   |   |  |   |   | Principal Innovator  |       |    |  |  | Name | Type | Gender | Email | Contact | Dr. V Sivasubramanian  | Faculty and Student | Male   | siva@nitc.ac.in     | 04952285406 |
| Principal Innovator  |  |                                 |   |                                      |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Name   | Type   | Gender                          | Email   | Contact                              |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |
| Dr. V Sivasubramanian  | Faculty and Student  | Male                            | siva@nitc.ac.in   | 04952285406                          |                    |   |   |  |   |   |  |       |    |  |  |      |      |        |       |         |                        |                     |        |                     |             |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre                                      | Name of Centre   | Stage of Innovation (TRL Stage)   | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                     | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
|---|--|---|---|--------------------------------------|----------------------------------|---|---|--|---|---|--|--------|----|--|--|------|------|--------|-------|---------|--|---------------------|------|-------------------------|-------------|
| Direct integration of large area perovskite PZT thin film on diamond substrate for high frequency device applications |  | Diamond and related material laboratory                                       | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018                             | Non-IP / Non-Patented Technology                          | Still Under Development Process   | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>100000</td></tr> </table>                       | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 100000 | No |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Yes   |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)          |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| 100000  |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| No  | <table border="1"> <thead> <tr><th colspan="5">Principal Innovator</th></tr> <tr><th>Name</th><th>Type</th><th>Gender</th><th>Email</th><th>Contact</th></tr> </thead> <tbody> <tr><td>Dr. Maneesh Chandran</td><td>Faculty and Student</td><td>Male</td><td>maneesh@nitc.ac.in</td><td>04952285100</td></tr> </tbody> </table>                        |   |   |                                      |                                  |   |   |  |   |   | Principal Innovator  |        |    |  |  | Name | Type | Gender | Email | Contact | Dr. Maneesh Chandran                   | Faculty and Student | Male | maneesh@nitc.ac.in      | 04952285100 |
| Principal Innovator   |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Name  | Type   | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Dr. Maneesh Chandran  | Faculty and Student  | Male  | maneesh@nitc.ac.in  | 04952285100                          |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Optically controlled droplet transport  | Opto Fluidics and Interface Science Laboratory   | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>75000</td></tr> </table>                       | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | 75000  | No     |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Yes   |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)          |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| 75000   |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| No  | <table border="1"> <thead> <tr><th colspan="5">Principal Innovator</th></tr> <tr><th>Name</th><th>Type</th><th>Gender</th><th>Email</th><th>Contact</th></tr> </thead> <tbody> <tr><td>Dr. Subramanyan Nambodiri Varanakkottu</td><td>Faculty and Student</td><td>Male</td><td>varanakkottu@nitc.ac.in</td><td>04952285125</td></tr> </tbody> </table> |   |   |                                      |                                  |   |   |  |   |   | Principal Innovator  |        |    |  |  | Name | Type | Gender | Email | Contact | Dr. Subramanyan Nambodiri Varanakkottu | Faculty and Student | Male | varanakkottu@nitc.ac.in | 04952285125 |
| Principal Innovator   |  |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Name  | Type   | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |
| Dr. Subramanyan Nambodiri Varanakkottu  | Faculty and Student  | Male  | varanakkottu@nitc.ac.in   | 04952285125                          |                                  |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |  |                     |      |                         |             |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre | Name of Centre   | Stage of Innovation (TRL Stage)   | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                                       | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
|--|--|---|---|--------------------------------------|----------------------------------|---|---|--|---|---|---------------------|--|--|--|--|------|------|--------|-------|---------|-------------|---------|------|----------------|-------------|--------------|--|--|--|--|------|------|--------|-------|---------|-----------------|---------|------|-------------------|-------------|
| Design and control of 2DOF mechanism to assist therapist in knee rehabilitation  |  | Tribology and Vibration Laboratory  | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018                             | Non-IP / Non-Patented Technology                          | Completed but No Further Action Taken   | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | Yes   | No  |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
|  |  |   |   |                                      |                                  |   |   |  | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
|  |  |   |   |                                      |                                  |   |   |  | 25000   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
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| Principal Innovator  |  |   |   |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
| Name   | Type   | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
| Dr. M L Joy  | Faculty  | Male  | mlj@nitc.ac.in  | 04952286423                          |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
| Co-Innovator   |  |   |   |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
| Name   | Type   | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
| Dr. Ashesh Saha  | Faculty  | Male  | ashesh@nitc.ac.in   | 04952286460                          |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
| Nasal Air Filter   | PRAYAS Centre  | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovator/Entrepreneur External to Institute                                  | 2019                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Yes  | No  | No  |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
|  |  |   |   |                                      |                                  |   |   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |
|  |  |   |   |                                      |                                  |   |   | 900000   |   |   |                     |  |  |  |  |      |      |        |       |         |             |         |      |                |             |              |  |  |  |  |      |      |        |       |         |                 |         |      |                   |             |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre  | Name of Centre                               | Stage of Innovation (TRL Stage)   | Innovation Developed by                      | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                                       | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
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| Principal Innovator   |  |   |  |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
| Name  | Type   | Gender  | Email  | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
| Arun Kumar  | Innovator/Entrepreneur External to Institute | Male  | arunengr10@gmail.com                         | 9349724535                           |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
| Visually Assisting Smart Hat  | PRAYAS Centre                                | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Incubatee Entrepreneur                       | 2019                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Yes  | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | No  |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
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| Principal Innovator   |  |   |  |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
| Name  | Type   | Gender  | Email  | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
| Akshay Kumar  | Incubatee Entrepreneur                       | Male  | b2wakshay@gmail.com                          | 8606724266                           |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |
| Arecanut climbing machine   | PRAYAS Centre                                | TRL 2 : Technology formulation. Concept and application have been formulated.                   | Innovator/Entrepreneur External to Institute | 2019                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated.                   | Yes  | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | No  |                     |  |  |  |  |      |      |        |       |         |              |  |      |                      |            |

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| Principal Innovator  |  |   |  |                                      |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Name   | Type   | Gender  | Email  | Contact                              |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Suresh P V   | Innovator/Entrepreneur External to Institute   | Male  | sunil.vg@kau.in                              | 81 13950968                          |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Exo-Skeletal Robot for physio therapy  | PRAYAS Centre  | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.   | Student                                      | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>1000000</td> </tr> </table>               | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | 1000000             | No |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Yes  |  |   |  |                                      |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
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| Principal Innovator  |  |   |  |                                      |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Name   | Type   | Gender  | Email  | Contact                              |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Jijin C K  | Student  | Male  | mejijinck@gmail.com                          | 9037593952                           |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Next Home - Home automation  | PRAYAS Centre  | TRL 0 : Idea. Unproven concept, no testing has been performed.  | Innovator/Entrepreneur External to Institute | 2019                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 0 : Idea. Unproven concept, no testing has been performed.                                  | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>985000</td> </tr> </table>                | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | 985000              | No |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
| Yes  |  |   |  |                                      |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |
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| 985000   |  |   |  |                                      |                                  |   |   |  |   |   |                     |    |  |  |      |      |        |        |         |           |            |  |                     |                 |             |

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|  | Principal Innovator   |   |  |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
| Name   | Type  | Gender  | Email  | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
| Gupta Ashuthosh  | Innovator/Entrepreneur External to Institute  | Male  | gupta7ashuthosh@gmail.com                    | 9158986966                           |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
| Light weight wall construction   | PRAYAS Centre   | TRL 2 : Technology formulation. Concept and application have been formulated.                   | Incubatee Entrepreneur                       | 2019                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated.                   | Yes  | No  |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
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|  | Principal Innovator   |   |  |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
| Name   | Type  | Gender  | Email  | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
| Rameshchandra Babu   | Incubatee Entrepreneur  | Male  | greenwallind@gmail.com                       | 9388568587                           |                                  |   |   |  |   |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
| E- Braille   | PRAYAS Centre   | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovator/Entrepreneur External to Institute | 2019                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Yes  | No  |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
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|  |   |   |  |                                      |                                  |   |   |  | 750000  |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |
|  |   |   |  |                                      |                                  |   |   |  | 484000  |   |                     |  |  |  |  |      |      |        |       |         |                    |  |      |                           |            |

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|  | Principal Innovator  |  |                            |                                      |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Name   | Type   | Gender   | Email                      | Contact                              |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Prasobh K P  | Innovator/Entrepreneur External to Institute   | Male   | prasobhkp111@gmail.com     | 8943001623                           |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| <table border="1"> <thead> <tr> <th colspan="5">Co-Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-</td> <td>-</td> <td>prasobhkp111@gmail.com</td> <td>8943001623</td> </tr> </tbody> </table>                                  |  |  |                            |                                      |                                  |   |  |  |   | Co-Innovator  |                     |    |    |  | Name | Type | Gender | Email  | Contact | -              | -           | -  | prasobhkp111@gmail.com     | 8943001623             |            |
| Co-Innovator   |  |  |                            |                                      |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Name   | Type   | Gender   | Email                      | Contact                              |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| -  | -  | -  | prasobhkp111@gmail.com     | 8943001623                           |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Smart door lock system   | Innovation and Entrepreneurship Development cell   | TRL 0 : Idea. Unproven concept, no testing has been performed. | Student                    | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 0 : Idea. Unproven concept, no testing has been performed. | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>5000</td> </tr> </table>                  | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | 5000                | No | No |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Yes  |  |  |                            |                                      |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   |  |  |                            |                                      |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| 5000   |  |  |                            |                                      |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
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| Principal Innovator  |  |  |                            |                                      |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Name   | Type   | Gender   | Email                      | Contact                              |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |
| Deepansh Singh   | Student  | Male   | deepansh.singh98@gmail.com | 7902981635                           |                                  |   |  |  |   |   |                     |    |    |  |      |      |        |        |         |                |             |  |                            |                        |            |



**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre  | Name of Centre  | Stage of Innovation (TRL Stage) | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation              | Current Status Pre-Incubation/Incubation Support Received                           | Current Status of Innovation, Stage of TRL it has reached | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
|---|---|---------------------------------|---|--------------------------------------|---------------------------------|---|---|--|---|---|--|------|----|------|------|--------|--------|---------|-------------------------|-----------------|---------|---------------------------------|----------------------|------------------|---------|------|----------------------------|------------|---------------|---------|------|-------------------------|------------|--------------|
|   | Desalination System   | Institute Innovation Council    | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Student                              | 2018                            | Non-IP / Non-Patented Technology  | Still Under Development Process                           | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>5000</td> </tr> </table>                   | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 5000 | No |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Yes   |   |                                 |   |                                      |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  |   |                                 |   |                                      |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| 5000  |   |                                 |   |                                      |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| No  | <table border="1"> <thead> <tr> <th colspan="5">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Vishrut Goswamy</td> <td>Student</td> <td>Male</td> <td>vishrutnid@gmail.com</td> <td>9616488322</td> </tr> </tbody> </table> |                                 |   |                                      |                                 |   |   |  |   | Principal Innovator   |  |      |    |      | Name | Type   | Gender | Email   | Contact                 | Vishrut Goswamy | Student | Male                            | vishrutnid@gmail.com | 9616488322       |         |      |                            |            |               |         |      |                         |            |              |
| Principal Innovator   |   |                                 |   |                                      |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Name  | Type  | Gender                          | Email   | Contact                              |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Vishrut Goswamy   | Student   | Male                            | vishrutnid@gmail.com  | 9616488322                           |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| <table border="1"> <thead> <tr> <th colspan="5">Co-Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Shivashish Kulshreshtha</td> <td>Student</td> <td>Male</td> <td>shivashish_b170704ch@nitc.ac.in</td> <td>8318524749</td> </tr> <tr> <td>Hemanth Sankar P</td> <td>Student</td> <td>Male</td> <td>hemanth111sankar@gmail.com</td> <td>9495793543</td> </tr> <tr> <td>Vyshnav Gopan</td> <td>Student</td> <td>Male</td> <td>vyshnav201099@gmail.com</td> <td>9605293899</td> </tr> </tbody> </table> |   |                                 |   |                                      |                                 |   |   |  | Co-Innovator  |   |  |      |    | Name | Type | Gender | Email  | Contact | Shivashish Kulshreshtha | Student         | Male    | shivashish_b170704ch@nitc.ac.in | 8318524749           | Hemanth Sankar P | Student | Male | hemanth111sankar@gmail.com | 9495793543 | Vyshnav Gopan | Student | Male | vyshnav201099@gmail.com | 9605293899 | Sparky Dryer |
| Co-Innovator  |   |                                 |   |                                      |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Name  | Type  | Gender                          | Email   | Contact                              |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Shivashish Kulshreshtha   | Student   | Male                            | shivashish_b170704ch@nitc.ac.in   | 8318524749                           |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Hemanth Sankar P  | Student   | Male                            | hemanth111sankar@gmail.com  | 9495793543                           |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Vyshnav Gopan   | Student   | Male                            | vyshnav201099@gmail.com   | 9605293899                           |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Institute Innovation Council  | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).   | Student                         | 2018  | Non-IP / Non-Patented Technology     | Still Under Development Process | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | No  | No   | No  |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| <table border="1"> <thead> <tr> <th colspan="5">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Prince Raj</td> <td>Student</td> <td>Male</td> <td>prince_m180487me@nitc.ac.in</td> <td>8789674621</td> </tr> </tbody> </table>   |   |                                 |   |                                      |                                 |   |   |  | Principal Innovator   |   |  |      |    | Name | Type | Gender | Email  | Contact | Prince Raj              | Student         | Male    | prince_m180487me@nitc.ac.in     | 8789674621           |                  |         |      |                            |            |               |         |      |                         |            |              |
| Principal Innovator   |   |                                 |   |                                      |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Name  | Type  | Gender                          | Email   | Contact                              |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |
| Prince Raj  | Student   | Male                            | prince_m180487me@nitc.ac.in   | 8789674621                           |                                 |   |   |  |   |   |  |      |    |      |      |        |        |         |                         |                 |         |                                 |                      |                  |         |      |                            |            |               |         |      |                         |            |              |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre | Name of Centre               | Stage of Innovation (TRL Stage)   | Innovation Developed by | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                           | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |                            |  |      |  |        |  |       |  |         |  |
|--|------------------------------|---|-------------------------|--------------------------------------|----------------------------------|---|---|--|---|---|----------------------------|--|------|--|--------|--|-------|--|---------|--|
| IRAVATI  | Institute Innovation Council | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).             | Student                 | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | No   | No  | No  |                            |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | <b>Principal Innovator</b> |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | Name                       |  | Type |  | Gender |  | Email |  | Contact |  |
| Himanshu Fulmali   |                              | Student   |                         | Male                                 |                                  | himanshuf159@gmail.com                                    |   | 9167151338   |   |   |                            |  |      |  |        |  |       |  |         |  |
| No   | Institute Innovation Council | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Student                 | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated.       | No   | No  | No  |                            |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | <b>Principal Innovator</b> |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | Name                       |  | Type |  | Gender |  | Email |  | Contact |  |
| Mathew Jose  |                              | Student   |                         | Male                                 |                                  | mathewjose2409@gmail.com                                  |   | 7902472359   |   |   |                            |  |      |  |        |  |       |  |         |  |
| Heart Booms  | Institute Innovation Council | TRL 2 : Technology formulation. Concept and application have been formulated.                   | Student                 | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated.       | No   | No  | No  |                            |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | <b>Principal Innovator</b> |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | Name                       |  | Type |  | Gender |  | Email |  | Contact |  |
| Gayathri Arvind  |                              | Student   |                         | Female                               |                                  | a.r.6.gayathri@gmail.com                                  |   | 9003803255   |   |   |                            |  |      |  |        |  |       |  |         |  |
| No   | Institute Innovation Council | TRL 2 : Technology formulation. Concept and application have been formulated.                   | Student                 | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated.       | No   | No  | No  |                            |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | <b>Principal Innovator</b> |  |      |  |        |  |       |  |         |  |
|  |                              |   |                         |                                      |                                  |   |   |  |   |   | Name                       |  | Type |  | Gender |  | Email |  | Contact |  |
| Smart Walker   |                              | Student   |                         | Female                               |                                  | a.r.6.gayathri@gmail.com                                  |   | 9003803255   |   |   |                            |  |      |  |        |  |       |  |         |  |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre | Name of Centre               | Stage of Innovation (TRL Stage)  | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                     | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
|--|------------------------------|--|---------------------------|--------------------------------------|----------------------------------|---|---|--|---|---|---------------------|--|--|--|--|--|--|--|--|--|------|------|--------|-------|---------|--|--|--|--|--|----------------|---------|--------|---------------------------|------------|--|--|--|--|--|
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| Principal Innovator  |                              |  |                           |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Name   | Type                         | Gender   | Email                     | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Vishnu Sajith  | Student                      | Male   | me.vishnu24399@gmail.com  | 6282579996                           |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Voice controlled car   | Institute Innovation Council | TRL 2 : Technology formulation. Concept and application have been formulated.  | Student                   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated. | No   | No  |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
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| Principal Innovator  |                              |  |                           |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Name   | Type                         | Gender   | Email                     | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Gauri Nair V   | Student                      | Female   | gaurinair102000@gmail.com | 9074976585                           |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Home Manageemnt System   | Institute Innovation Council | TRL 2 : Technology formulation. Concept and application have been formulated.  | Student                   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated. | No   | No  |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
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| Principal Innovator  |                              |  |                           |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Name   | Type                         | Gender   | Email                     | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Rohit R Menon  | Student                      | Male   | rohitr.menon@yahoo.com    | 9400320650                           |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Optical Text Reading Glasses   | Institute Innovation Council | TRL 2 : Technology formulation. Concept and application have been formulated.  | Student                   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated. | No   | No  |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| No   |                              | <table border="1"> <thead> <tr> <th colspan="10">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> <th colspan="5"></th> </tr> </thead> <tbody> <tr> <td>Anubhav Mishra</td> <td>Student</td> <td>Male</td> <td>amam2380@gmail.com</td> <td>9807174920</td> <td colspan="5"></td> </tr> </tbody> </table>        |                           |                                      |                                  |   |   |  |   |   | Principal Innovator |  |  |  |  |  |  |  |  |  | Name | Type | Gender | Email | Contact |  |  |  |  |  | Anubhav Mishra | Student | Male   | amam2380@gmail.com        | 9807174920 |  |  |  |  |  |
| Principal Innovator  |                              |  |                           |                                      |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Name   | Type                         | Gender   | Email                     | Contact                              |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |
| Anubhav Mishra   | Student                      | Male   | amam2380@gmail.com        | 9807174920                           |                                  |   |   |  |   |   |                     |  |  |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                |         |        |                           |            |  |  |  |  |  |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre                             | Name of Centre   | Stage of Innovation (TRL Stage)   | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                     | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
|--|--|---|---|--------------------------------------|----------------------------------|---|---|--|---|---|--|------|----|--|------|------|--------|-------|---------|---------------------|---------|------|------------------------------|------------|------|------|--------|-------|---------|------------|---------|------|----------------------------|------------|
|  | Portable biometric attendance system for classrooms  | Innovation and Entrepreneurship Development cell                              | TRL 2 : Technology formulation. Concept and application have been formulated. | Student                              | 2018                             | Non-IP / Non-Patented Technology                          | Still Under Development Process   | TRL 2 : Technology formulation. Concept and application have been formulated.  | No  | No  |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| No   |  |   |   |                                      |                                  |   |   |  |   |   | <table border="1"> <thead> <tr> <th colspan="5">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Bibin Baby</td> <td>Student</td> <td>Male</td> <td>bibin_b160178ec@nitc.ac.in</td> <td>9633834132</td> </tr> </tbody> </table> |      |    |  |      |      |        |       |         | Principal Innovator |         |      |                              |            | Name | Type | Gender | Email | Contact | Bibin Baby | Student | Male | bibin_b160178ec@nitc.ac.in | 9633834132 |
| Principal Innovator  |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Name   | Type   | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Bibin Baby   | Student  | Male  | bibin_b160178ec@nitc.ac.in  | 9633834132                           |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Guidance based rocket system   | Innovation and Entrepreneurship Development cell   | TRL 2 : Technology formulation. Concept and application have been formulated. | Student   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated. | No   | No  |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
|  | Digital Reader   | Innovation and Entrepreneurship Development cell                              | TRL 2 : Technology formulation. Concept and application have been formulated. | Student                              | 2018                             | Non-IP / Non-Patented Technology                          | Still Under Development Process   | TRL 2 : Technology formulation. Concept and application have been formulated.  | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>5000</td> </tr> </table>                   | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   | 5000 | No |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Yes  |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| 5000   |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
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| Principal Innovator  |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Name   | Type   | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Michael Antony   | Student  | Male  | michaelantony946@gmail.com  | 8547969879                           |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
|  | Digital Reader   | Innovation and Entrepreneurship Development cell                              | TRL 2 : Technology formulation. Concept and application have been formulated. | Student                              | 2018                             | Non-IP / Non-Patented Technology                          | Still Under Development Process   | TRL 2 : Technology formulation. Concept and application have been formulated.  | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>5000</td> </tr> </table>                   | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   | 5000 | No |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Yes  |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| 5000   |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
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| Principal Innovator  |  |   |   |                                      |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Name   | Type   | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |
| Ayush Varshney   | Student  | Male  | ayushkumarvarshney@gmail.com  | 9759839029                           |                                  |   |   |  |   |   |  |      |    |  |      |      |        |       |         |                     |         |      |                              |            |      |      |        |       |         |            |         |      |                            |            |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre | Name of Centre   | Stage of Innovation (TRL Stage)   | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                     | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
|--|--|---|---|--------------------------------------|----------------------------------|---|---|--|---|---|----------------------------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|--|--------|--|-------|--|---------|--|------------------|--|--|---------|--|------|--|----------------------------|--|------------|--|
| SPEX SMART LENS  |  | Innovation and Entrepreneurship Development cell  | TRL 2 : Technology formulation. Concept and application have been formulated. | Student                              | 2018                             | Non-IP / Non-Patented Technology                          | Still Under Development Process   | TRL 2 : Technology formulation. Concept and application have been formulated.  | Yes   | No  |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
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|  | <b>Principal Innovator</b>   |   |   |                                      |                                  |   |   |  |   |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Name   |  |   | Type  |                                      | Gender                           |   | Email   |  | Contact   |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Adeeb Kenz P   |  |   | Student   |                                      | Male                             |   | kenzmpm@gmail.com   |  | 8113009368  |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Bomb Detection   | Innovation and Entrepreneurship Development cell   | TRL 2 : Technology formulation. Concept and application have been formulated.   | Student   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated. | No   | No  |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
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|  | <b>Principal Innovator</b>   |   |   |                                      |                                  |   |   |  |   |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Name   |  |   | Type  |                                      | Gender                           |   | Email   |  | Contact   |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Ronit Nandeshwar   |  |   | Student   |                                      | Male                             |   | ronitknandeshwar@gmail.com  |  | 9881437689  |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Efficient Gas Utensil Design   | Innovation and Entrepreneurship Development cell   | TRL 2 : Technology formulation. Concept and application have been formulated.   | Student   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated. | No   | No  |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
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|  | <b>Principal Innovator</b>   |   |   |                                      |                                  |   |   |  |   |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Name   |  |   | Type  |                                      | Gender                           |   | Email   |  | Contact   |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |
| Vishrut Goswamy  |  |   | Student   |                                      | Male                             |   | vishrutnid@gmail.com  |  | 9616488322  |   |                            |  |  |  |  |  |  |  |  |  |  |      |  |  |      |  |        |  |       |  |         |  |                  |  |  |         |  |      |  |                            |  |            |  |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre                             | Name of Centre   | Stage of Innovation (TRL Stage)                  | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
|--|--|--|---|--------------------------------------|--------------------|---|---|--|---|---|--|--------|----|--|--|------|------|--------|-------|---------|----------------|---------|------|--------------------------|-------------|
|  | Soft Robotic Grippers  | Innovation and Entrepreneurship Development cell | TRL 2 : Technology formulation. Concept and application have been formulated. | Student                              | 2018               | Non-IP / Non-Patented Technology                          | Still Under Development Process                           | TRL 2 : Technology formulation. Concept and application have been formulated.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>5000</td></tr> </table>                         | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 5000   | No |  |  |      |      |        |       |         |                |         |      |                          |             |
| Yes  |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| 5000   |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| No   | <table border="1"> <thead> <tr><th colspan="5">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Himanshu Malav</td> <td>Student</td> <td>Male</td> <td>himanshumalav2@gmail.com</td> <td>7356965573</td> </tr> </tbody> </table> |  |   |                                      |                    |   |   |  |   |   | Principal Innovator  |        |    |  |  | Name | Type | Gender | Email | Contact | Himanshu Malav | Student | Male | himanshumalav2@gmail.com | 7356965573  |
| Principal Innovator  |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| Name   | Type   | Gender   | Email   | Contact                              |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| Himanshu Malav   | Student  | Male   | himanshumalav2@gmail.com  | 7356965573                           |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| Design and Manufacturing of an Elbow Exoskeleton for assisting weight  |  | Tribology and Vibration Laboratory               | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018               | Non-IP / Non-Patented Technology                          | Completed but No Further Action Taken                     | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>109000</td></tr> </table>                       | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 109000 | No |  |  |      |      |        |       |         |                |         |      |                          |             |
| Yes  |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| 109000   |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| No   | <table border="1"> <thead> <tr><th colspan="5">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Sreenath A M</td> <td>Faculty</td> <td>Male</td> <td>sreenath@nitc.ac.in</td> <td>04952286434</td> </tr> </tbody> </table>       |  |   |                                      |                    |   |   |  |   |   | Principal Innovator  |        |    |  |  | Name | Type | Gender | Email | Contact | Sreenath A M   | Faculty | Male | sreenath@nitc.ac.in      | 04952286434 |
| Principal Innovator  |  |  |   |                                      |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| Name   | Type   | Gender   | Email   | Contact                              |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |
| Sreenath A M   | Faculty  | Male   | sreenath@nitc.ac.in   | 04952286434                          |                    |   |   |  |   |   |  |        |    |  |  |      |      |        |       |         |                |         |      |                          |             |



**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre | Name of Centre | Stage of Innovation (TRL Stage) | Innovation Developed by | Year of Innovation / Project Started | Type of Innovation | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |
|--|----------------|---------------------------------|-------------------------|--------------------------------------|--------------------|---|---|--|---|---|
|--|----------------|---------------------------------|-------------------------|--------------------------------------|--------------------|---|---|--|---|---|

| Principal Innovator |  |                     |  |        |  |                     |  |             |  |  |
|---------------------|--|---------------------|--|--------|--|---------------------|--|-------------|--|--|
| Name                |  | Type                |  | Gender |  | Email               |  | Contact     |  |  |
| Dr. U B Jayadeep    |  | Faculty and Student |  | Male   |  | jayadeep@nitc.ac.in |  | 04952286430 |  |  |

|  |                               |   |                     |      |                                  |                                       |   |  |    |    |
|--|-------------------------------|---|---------------------|------|----------------------------------|---------------------------------------|---|--|----|----|
| Synthesis of bioplastic using keratin and polyol | Environmental Engineering Lab | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student | 2018 | Non-IP / Non-Patented Technology | Completed but No Further Action Taken | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Yes  | No | No |
|  |                               |   |                     |      |                                  |                                       |   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |    |    |
|  |                               |   |                     |      |                                  |                                       |   | 64500  |    |    |

| Principal Innovator |  |                     |  |        |  |                     |  |             |  |  |
|---------------------|--|---------------------|--|--------|--|---------------------|--|-------------|--|--|
| Name                |  | Type                |  | Gender |  | Email               |  | Contact     |  |  |
| Dr. K Haribabu      |  | Faculty and Student |  | Male   |  | haribabu@nitc.ac.in |  | 04952285408 |  |  |

|   |                     |   |                     |      |                                  |                                       |   |  |    |    |
|---|---------------------|---|---------------------|------|----------------------------------|---------------------------------------|---|--|----|----|
| Utilization of waste heat from domestic gas stove | Thermal Science Lab | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Faculty and Student | 2018 | Non-IP / Non-Patented Technology | Completed but No Further Action Taken | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Yes  | No | No |
|   |                     |   |                     |      |                                  |                                       |   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |    |    |
|   |                     |   |                     |      |                                  |                                       |   | 29880  |    |    |



**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre  | Name of Centre      | Stage of Innovation (TRL Stage)  | Innovation Developed by | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                           | 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 2018-19  | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
|---|---------------------|--|-------------------------|--------------------------------------|----------------------------------|---|---|---|---|---|---------------------|--|--|--|--|------|------|--------|-------|---------|------------|---------------------|------|-------------------|-------------|
| No  |                     | <table border="1"> <thead> <tr> <th colspan="5" data-bbox="479 411 2210 478">Principal Innovator</th> </tr> <tr> <th data-bbox="479 478 994 523">Name</th> <th data-bbox="994 478 1294 523">Type</th> <th data-bbox="1294 478 1594 523">Gender</th> <th data-bbox="1594 478 1895 523">Email</th> <th data-bbox="1895 478 2210 523">Contact</th> </tr> </thead> <tbody> <tr> <td data-bbox="479 523 994 582">Dr K Sekar</td> <td data-bbox="994 523 1294 582">Faculty and Student</td> <td data-bbox="1294 523 1594 582">Male</td> <td data-bbox="1594 523 1895 582">sekar@nitc.ac.in</td> <td data-bbox="1895 523 2210 582">04952286431</td> </tr> </tbody> </table>                 |                         |                                      |                                  |   |   |   |   |   | Principal Innovator |  |  |  |  | Name | Type | Gender | Email | Contact | Dr K Sekar | Faculty and Student | Male | sekar@nitc.ac.in  | 04952286431 |
| Principal Innovator   |                     |  |                         |                                      |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Name  | Type                | Gender   | Email                   | Contact                              |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Dr K Sekar  | Faculty and Student | Male   | sekar@nitc.ac.in        | 04952286431                          |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Design, Fabrication and performance analysis of solar Dryer with Multipass V corrugated collector and PCM                 | Thermal Science Lab | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).  | Faculty and Student     | 2018                                 | Non-IP / Non-Patented Technology | Completed but No Further Action Taken                     | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | <table border="1"> <thead> <tr> <th data-bbox="1635 582 1827 627">Yes</th> </tr> </thead> <tbody> <tr> <td data-bbox="1635 627 1827 917">Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)<br/><br/>47000</td> </tr> </tbody> </table>     | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)<br><br>47000   | No                  |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Yes   |                     |  |                         |                                      |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)<br><br>47000 |                     |  |                         |                                      |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| No  |                     | <table border="1"> <thead> <tr> <th colspan="5" data-bbox="479 917 2210 984">Principal Innovator</th> </tr> <tr> <th data-bbox="479 984 994 1029">Name</th> <th data-bbox="994 984 1294 1029">Type</th> <th data-bbox="1294 984 1594 1029">Gender</th> <th data-bbox="1594 984 1895 1029">Email</th> <th data-bbox="1895 984 2210 1029">Contact</th> </tr> </thead> <tbody> <tr> <td data-bbox="479 1029 994 1088">Dr. Arun P</td> <td data-bbox="994 1029 1294 1088">Faculty and Student</td> <td data-bbox="1294 1029 1594 1088">Male</td> <td data-bbox="1594 1029 1895 1088">arun.p@nitc.ac.in</td> <td data-bbox="1895 1029 2210 1088">04952286424</td> </tr> </tbody> </table> |                         |                                      |                                  |   |   |   |   |   | Principal Innovator |  |  |  |  | Name | Type | Gender | Email | Contact | Dr. Arun P | Faculty and Student | Male | arun.p@nitc.ac.in | 04952286424 |
| Principal Innovator   |                     |  |                         |                                      |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Name  | Type                | Gender   | Email                   | Contact                              |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Dr. Arun P  | Faculty and Student | Male   | arun.p@nitc.ac.in       | 04952286424                          |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Development of a compact loop heat (LHP) with a binary fluid and sintered composite wick                                  | Thermal Science Lab | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | Faculty and Student     | 2018                                 | Non-IP / Non-Patented Technology | Completed but No Further Action Taken                     | TRL 3 : Applied research. First laboratory tests completed; proof of concept.       | <table border="1"> <thead> <tr> <th data-bbox="1635 1088 1827 1133">Yes</th> </tr> </thead> <tbody> <tr> <td data-bbox="1635 1133 1827 1417">Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)<br/><br/>60000</td> </tr> </tbody> </table> | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)<br><br>60000   | No                  |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Yes   |                     |  |                         |                                      |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)<br><br>60000 |                     |  |                         |                                      |                                  |   |   |   |   |   |                     |  |  |  |  |      |      |        |       |         |            |                     |      |                   |             |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre  | Name of Centre  | Stage of Innovation (TRL Stage)  | Innovation Developed by | Year of Innovation / Project Started | Type of Innovation                    | Current Status Pre-Incubation/Incubation Support Received                           | Current Status of Innovation, Stage of TRL it has reached  | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
|---|---|--|-------------------------|--------------------------------------|---------------------------------------|---|--|--|---|---|---------------------|----|--|------|------|--------|--------|---------|---------------------|-------------|---------------------|---------------------|-------------------|---|-------------|
| No  |   | <table border="1"> <thead> <tr> <th colspan="5">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr S Jayaraj</td> <td>Faculty and Student</td> <td>Male</td> <td>sjayaraj@nitc.ac.in</td> <td>04952286416</td> </tr> </tbody> </table> |                         |                                      |                                       |   |  |  |   |   | Principal Innovator |    |  |      |      | Name   | Type   | Gender  | Email               | Contact     | Dr S Jayaraj        | Faculty and Student | Male              | sjayaraj@nitc.ac.in                                   | 04952286416 |
| Principal Innovator   |   |  |                         |                                      |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Name  | Type  | Gender   | Email                   | Contact                              |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Dr S Jayaraj  | Faculty and Student   | Male   | sjayaraj@nitc.ac.in     | 04952286416                          |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
|   |   | <table border="1"> <thead> <tr> <th colspan="5">Co-Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr Sujith Kumar C S</td> <td>Faculty</td> <td>Male</td> <td>-</td> <td>-</td> </tr> </tbody> </table>   |                         |                                      |                                       |   |  |  | Co-Innovator  |   |                     |    |  | Name | Type | Gender | Email  | Contact | Dr Sujith Kumar C S | Faculty     | Male                | -                   | -                 | Design and development of cost effective air purifier |             |
| Co-Innovator  |   |  |                         |                                      |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Name  | Type  | Gender   | Email                   | Contact                              |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Dr Sujith Kumar C S   | Faculty   | Male   | -                       | -                                    |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Applied NANO engineering lab  | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Faculty and Student  | 2018                    | Non-IP / Non-Patented Technology     | Completed but No Further Action Taken | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>30000</td> </tr> </table> | Yes  | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | 30000   | No                  | No |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Yes   |   |  |                         |                                      |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  |   |  |                         |                                      |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| 30000   |   |  |                         |                                      |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| <table border="1"> <thead> <tr> <th colspan="5">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr V Sajith</td> <td>Faculty and Student</td> <td>Male</td> <td>sajith@nitc.ac.in</td> <td>04952286525</td> </tr> </tbody> </table> |   |  |                         |                                      |                                       |   |  |  |   | Principal Innovator   |                     |    |  |      | Name | Type   | Gender | Email   | Contact             | Dr V Sajith | Faculty and Student | Male                | sajith@nitc.ac.in | 04952286525   |             |
| Principal Innovator   |   |  |                         |                                      |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Name  | Type  | Gender   | Email                   | Contact                              |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |
| Dr V Sajith   | Faculty and Student   | Male   | sajith@nitc.ac.in       | 04952286525                          |                                       |   |  |  |   |   |                     |    |  |      |      |        |        |         |                     |             |                     |                     |                   |   |             |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre  | Name of Centre   | Stage of Innovation (TRL Stage)   | Innovation Developed by | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                           | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |      |      |        |       |         |              |         |        |                    |             |
|---|------------------|---|-------------------------|--------------------------------------|----------------------------------|---|---|--|---|---|------|------|--------|-------|---------|--------------|---------|--------|--------------------|-------------|
| Compatibility study of transformer parts with nanofilled natural ester  | High Voltage Lab | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student     | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Yes  | No  | No  |      |      |        |       |         |              |         |        |                    |             |
|   |                  |   |                         |                                      |                                  |   |   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   |   |   |      |      |        |       |         |              |         |        |                    |             |
|   |                  |   |                         |                                      |                                  |   |   | 55000  |   |   |      |      |        |       |         |              |         |        |                    |             |
| <p><b>Principal Innovator</b></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr Preetha P</td> <td>Faculty</td> <td>Female</td> <td>preetha@nitc.ac.in</td> <td>04952286315</td> </tr> </tbody> </table> |                  |   |                         |                                      |                                  |   |   |  |   |   | Name | Type | Gender | Email | Contact | Dr Preetha P | Faculty | Female | preetha@nitc.ac.in | 04952286315 |
| Name  | Type             | Gender  | Email                   | Contact                              |                                  |   |   |  |   |   |      |      |        |       |         |              |         |        |                    |             |
| Dr Preetha P  | Faculty          | Female  | preetha@nitc.ac.in      | 04952286315                          |                                  |   |   |  |   |   |      |      |        |       |         |              |         |        |                    |             |
| No  | High Voltage Lab | Disaster management and rescue operations using swarm robots                  | Faculty and Student     | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Yes  | No  | No  |      |      |        |       |         |              |         |        |                    |             |
|   |                  |   |                         |                                      |                                  |   |   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)   |   |   |      |      |        |       |         |              |         |        |                    |             |
|   |                  |   |                         |                                      |                                  |   |   | 22500  |   |   |      |      |        |       |         |              |         |        |                    |             |
| <p><b>Principal Innovator</b></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr Preetha P</td> <td>Faculty</td> <td>Female</td> <td>preetha@nitc.ac.in</td> <td>04952286315</td> </tr> </tbody> </table> |                  |   |                         |                                      |                                  |   |   |  |   |   | Name | Type | Gender | Email | Contact | Dr Preetha P | Faculty | Female | preetha@nitc.ac.in | 04952286315 |
| Name  | Type             | Gender  | Email                   | Contact                              |                                  |   |   |  |   |   |      |      |        |       |         |              |         |        |                    |             |
| Dr Preetha P  | Faculty          | Female  | preetha@nitc.ac.in      | 04952286315                          |                                  |   |   |  |   |   |      |      |        |       |         |              |         |        |                    |             |

**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre                             | Name of Centre  | Stage of Innovation (TRL Stage)   | Innovation Developed by   | Year of Innovation / Project Started | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | Current Status of Innovation, Stage of TRL it has reached                     | 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 2018-19 | Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19 | Had the Incubation Centre/institute 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 2018-19? |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
|--|---|---|---|--------------------------------------|----------------------------------|---|---|--|---|---|--|--------|----|--|--|--|--|--|--|--|------|------|--------|-------|---------|--|--|--|--|--|----------------------|---------|------|-------------------|-------------|--|--|--|--|--|
| Efficiency enhancement of organic solar cells using plasmonic effects of metal nanostructures                |   | Organic and nano electronics lab  | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student                  | 2018                             | Non-IP / Non-Patented Technology                          | Still Under Development Process   | TRL 3 : Applied research. First laboratory tests completed; proof of concept.  | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>120000</td></tr> </table>                       | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) | 120000 | No |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Yes  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| 120000   |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| No   | <table border="1"> <tr><th colspan="10">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> <th colspan="5"></th> </tr> <tr> <td>Dr Vari Sivaji Reddy</td> <td>Faculty</td> <td>Male</td> <td>sivaji@nitc.ac.in</td> <td>04952285108</td> <td colspan="5"></td> </tr> </table> |   |   |                                      |                                  |   |   |  |   |   | Principal Innovator  |        |    |  |  |  |  |  |  |  | Name | Type | Gender | Email | Contact |  |  |  |  |  | Dr Vari Sivaji Reddy | Faculty | Male | sivaji@nitc.ac.in | 04952285108 |  |  |  |  |  |
| Principal Innovator  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Name   | Type  | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Dr Vari Sivaji Reddy   | Faculty   | Male  | sivaji@nitc.ac.in   | 04952285108                          |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Design and Development of a photothermal agent for the decomposition of polyethylene terephthalate           | Photonics Materials and Devices Lab   | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Faculty and Student   | 2018                                 | Non-IP / Non-Patented Technology | Still Under Development Process                           | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | <table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>126096</td></tr> </table>                      | Yes   | Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)  | 126096   | No     |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Yes  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| 126096   |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| No   | <table border="1"> <tr><th colspan="10">Principal Innovator</th></tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> <th colspan="5"></th> </tr> <tr> <td>Dr Aji A Anappara</td> <td>Faculty</td> <td>Male</td> <td>aji@nitc.ac.in</td> <td>04952285107</td> <td colspan="5"></td> </tr> </table>       |   |   |                                      |                                  |   |   |  |   |   | Principal Innovator  |        |    |  |  |  |  |  |  |  | Name | Type | Gender | Email | Contact |  |  |  |  |  | Dr Aji A Anappara    | Faculty | Male | aji@nitc.ac.in    | 04952285107 |  |  |  |  |  |
| Principal Innovator  |   |   |   |                                      |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Name   | Type  | Gender  | Email   | Contact                              |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |
| Dr Aji A Anappara  | Faculty   | Male  | aji@nitc.ac.in  | 04952285107                          |                                  |   |   |  |   |   |  |        |    |  |  |  |  |  |  |  |      |      |        |       |         |  |  |  |  |  |                      |         |      |                   |             |  |  |  |  |  |

**Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Start-up Received Funding / Grant from Centre   | Name of Centre | Year of Registration | Registered as   | Start-up with Corporate Identification Number (CIN) Registration | Start-up Founded by | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | 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 2018-19 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19? | Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19? | Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ? |         |    |    |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |
|---|----------------|----------------------|-----------------|--|---------------------|----------------------------------|---|--|---|--|--|---------|----|----|--|--|--|------|------------|------|--------|-------|---------|---------------|-------|---------|------|---------------------|------------|
| Quil  | PRAYAS Centre  | 2018-19              | Private Limited | 992  | Student             | Non-IP / Non-Patented Technology | Receiving Incubation Support from Incubation Unit         | No   | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)</td> </tr> <tr> <td>100000</td> </tr> </table>         | Yes  | Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)   | 100000  | No | No |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |
| Yes   |                |                      |                 |  |                     |                                  |   |  |   |  |  |         |    |    |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |
| Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)  |                |                      |                 |  |                     |                                  |   |  |   |  |  |         |    |    |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |
| 100000  |                |                      |                 |  |                     |                                  |   |  |   |  |  |         |    |    |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |
| <table border="1"> <thead> <tr> <th colspan="6">Founder</th> </tr> <tr> <th>Name</th> <th>DIN Number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Jagdish Kumar</td> <td>00000</td> <td>Student</td> <td>Male</td> <td>japan1729@gmail.com</td> <td>8919753507</td> </tr> </tbody> </table> |                |                      |                 |  |                     |                                  |   |  |   |  |  | Founder |    |    |  |  |  | Name | DIN Number | Type | Gender | Email | Contact | Jagdish Kumar | 00000 | Student | Male | japan1729@gmail.com | 8919753507 |
| Founder   |                |                      |                 |  |                     |                                  |   |  |   |  |  |         |    |    |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |
| Name  | DIN Number     | Type                 | Gender          | Email  | Contact             |                                  |   |  |   |  |  |         |    |    |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |
| Jagdish Kumar   | 00000          | Student              | Male            | japan1729@gmail.com  | 8919753507          |                                  |   |  |   |  |  |         |    |    |  |  |  |      |            |      |        |       |         |               |       |         |      |                     |            |

**Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Start-up Received Funding / Grant from Centre  | Name of Centre            | Year of Registration   | Registered as | Start-up with Corporate Identification Number (CIN) Registration   | Start-up Founded by    | Type of Innovation     | Current Status Pre-Incubation/Incubation Support Received | 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 2018-19 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19? | Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19?   | Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ? |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
|--|---------------------------|--|---------------|--|------------------------|------------------------|---|--|---|--|--|--|--------|--|---------|--|---|--|--------|--|--------------------------------|--------|-------------|---------------------|--------|-------|---------|---------------|----------|------------------------|--------|-----------------|------------|
|  | Optind Solutions Pvt. Ltd | Technology Business Incubator  | 2017-18       | Private Limited  | U33309KL2017P TC050514 | Incubatee Entrepreneur | Non-IP / Non-Patented Technology                          | Receiving Incubation Support from Incubation Unit  | No  | <table border="1"> <tr> <td data-bbox="1856 427 2033 491">Yes</td> </tr> <tr> <td data-bbox="1856 491 2033 651">Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)</td> </tr> <tr> <td data-bbox="1856 651 2033 1209">200000</td> </tr> </table> | Yes  | Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees) | 200000 | <table border="1"> <tr> <td colspan="2" data-bbox="2033 427 2210 491">Yes</td> </tr> <tr> <td colspan="2" data-bbox="2033 491 2210 861">Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)</td> </tr> <tr> <td colspan="2" data-bbox="2033 861 2210 901">200000</td> </tr> <tr> <td data-bbox="2033 901 2123 1061">Seed fund/Angel/VC Agency Name</td> <td data-bbox="2123 901 2210 1061">KSI DC</td> </tr> <tr> <td data-bbox="2033 1061 2123 1209">Agency Type</td> <td data-bbox="2123 1061 2210 1209">Govt Agency (State)</td> </tr> </table> | Yes     |  | Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees) |  | 200000 |  | Seed fund/Angel/VC Agency Name | KSI DC | Agency Type | Govt Agency (State) |        |       |         |               |          |                        |        |                 |            |
| Yes  |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)   |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| 200000   |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Yes  |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)  |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| 200000   |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Seed fund/Angel/VC Agency Name   | KSI DC                    |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Agency Type  | Govt Agency (State)       |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| <table border="1"> <tr> <td data-bbox="26 1209 264 1273">Yes</td> </tr> <tr> <td data-bbox="26 1273 264 1513">Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)</td> </tr> <tr> <td data-bbox="26 1513 264 1560">200000</td> </tr> </table> | Yes                       | Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees) | 200000        | <table border="1"> <thead> <tr> <th colspan="7" data-bbox="264 1209 2210 1276">Founder</th> </tr> <tr> <th data-bbox="264 1276 889 1324">Name</th> <th data-bbox="889 1276 1149 1324">DIN Number</th> <th data-bbox="1149 1276 1411 1324">Type</th> <th data-bbox="1411 1276 1673 1324">Gender</th> <th data-bbox="1673 1276 1935 1324">Email</th> <th data-bbox="1935 1276 2210 1324">Contact</th> </tr> </thead> <tbody> <tr> <td data-bbox="264 1324 889 1560">Gayathri Devi</td> <td data-bbox="889 1324 1149 1560">07804708</td> <td data-bbox="1149 1324 1411 1560">Incubatee Entrepreneur</td> <td data-bbox="1411 1324 1673 1560">Female</td> <td data-bbox="1673 1324 1935 1560">gdevi@gmail.com</td> <td data-bbox="1935 1324 2210 1560">9544106752</td> </tr> </tbody> </table> |                        |                        |   |  |   |  |  |  |        |  | Founder |  |   |  |        |  |                                | Name   | DIN Number  | Type                | Gender | Email | Contact | Gayathri Devi | 07804708 | Incubatee Entrepreneur | Female | gdevi@gmail.com | 9544106752 |
| Yes  |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)   |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| 200000   |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Founder  |                           |  |               |  |                        |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Name   | DIN Number                | Type   | Gender        | Email  | Contact                |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |
| Gayathri Devi  | 07804708                  | Incubatee Entrepreneur   | Female        | gdevi@gmail.com  | 9544106752             |                        |   |  |   |  |  |  |        |  |         |  |   |  |        |  |                                |        |             |                     |        |       |         |               |          |                        |        |                 |            |

**Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Start-up Received Funding / Grant from Centre  | Name of Centre | Year of Registration          | Registered as          | Start-up with Corporate Identification Number (CIN) Registration | Start-up Founded by    | Type of Innovation     | Current Status Pre-Incubation/Incubation Support Received | 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 2018-19 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19? | Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19? | Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ? |   |                |    |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |
|--|----------------|-------------------------------|------------------------|--|------------------------|------------------------|---|--|---|--|--|---|----------------|----|--|--|--|--|--|--|--|--|--|------|------------|------|--------|-------|---------|-----------|----------|------------------------|------|-------------------|------------|
| Mozilor Technologies   |                | Technology Business Incubator | 2016-17                | Private Limited  | U72900KL2017P TC048948 | Incubatee Entrepreneur | Non-IP / Non-Patented Technology                          | Receiving Incubation Support from Incubation Unit  | Yes   | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)</td> </tr> <tr> <td>100000</td> </tr> </table>                          | Yes  | Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)  | 100000         | No |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |
| Yes  |                |                               |                        |  |                        |                        |   |  |   |  |  |   |                |    |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |
| Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)   |                |                               |                        |  |                        |                        |   |  |   |  |  |   |                |    |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |
| 100000   |                |                               |                        |  |                        |                        |   |  |   |  |  |   |                |    |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |
| <table border="1"> <tr> <td rowspan="3">                 Yes<br/><br/>                 Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)<br/><br/>                 100000             </td> <td colspan="11"><b>Founder</b></td> </tr> <tr> <th>Name</th> <th>DIN Number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> <tr> <td>Anvar T K</td> <td>05287230</td> <td>Incubatee Entrepreneur</td> <td>Male</td> <td>anvar@mozilor.com</td> <td>9739997856</td> </tr> </table> |                |                               |                        |  |                        |                        |   |  |   |  |  | Yes<br><br>Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)<br><br>100000 | <b>Founder</b> |    |  |  |  |  |  |  |  |  |  | Name | DIN Number | Type | Gender | Email | Contact | Anvar T K | 05287230 | Incubatee Entrepreneur | Male | anvar@mozilor.com | 9739997856 |
| Yes<br><br>Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)<br><br>100000  | <b>Founder</b> |                               |                        |  |                        |                        |   |  |   |  |  |   |                |    |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |
|  | Name           | DIN Number                    | Type                   | Gender   | Email                  | Contact                |   |  |   |  |  |   |                |    |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |
|  | Anvar T K      | 05287230                      | Incubatee Entrepreneur | Male   | anvar@mozilor.com      | 9739997856             |   |  |   |  |  |   |                |    |  |  |  |  |  |  |  |  |  |      |            |      |        |       |         |           |          |                        |      |                   |            |

**Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Start-up Received Funding / Grant from Centre   | Name of Centre  | Year of Registration          | Registered as | Start-up with Corporate Identification Number (CIN) Registration | Start-up Founded by | Type of Innovation  | Current Status Pre-Incubation/Incubation Support Received | 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 2018-19 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19? | Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19? | Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ?   |     |  |   |  |   |  |                                |           |             |   |
|---|---|-------------------------------|---------------|--|---------------------|---------------------|---|--|---|--|--|-----|--|---|--|---|--|--------------------------------|-----------|-------------|---|
|   | Storilab System Technologies LLP                                    | Technology Business Incubator | 2015-16       | Limited Liability Partnership                                    | 8391                | Alumni Entrepreneur | Non-IP / Non-Patented Technology                          | Receiving Incubation Support from Incubation Unit  | Yes   | No   | <table border="1"> <tr> <td colspan="2" data-bbox="2042 443 2201 486">Yes</td> </tr> <tr> <td colspan="2" data-bbox="2042 486 2201 858">Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)</td> </tr> <tr> <td colspan="2" data-bbox="2042 858 2201 901">0</td> </tr> <tr> <td data-bbox="2042 901 2125 1056">Seed Fund/Angel/VC Agency Name</td> <td data-bbox="2125 901 2201 1056">Mr. Moosa</td> </tr> <tr> <td data-bbox="2042 1056 2125 1401">Agency Type</td> <td data-bbox="2125 1056 2201 1401">Angel Investor/Venture Capitalist /High Net worth Individual (HNIs)</td> </tr> </table> | Yes |  | Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees) |  | 0 |  | Seed Fund/Angel/VC Agency Name | Mr. Moosa | Agency Type | Angel Investor/Venture Capitalist /High Net worth Individual (HNIs) |
| Yes   |   |                               |               |  |                     |                     |   |  |   |  |  |     |  |   |  |   |  |                                |           |             |   |
| Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees) |   |                               |               |  |                     |                     |   |  |   |  |  |     |  |   |  |   |  |                                |           |             |   |
| 0   |   |                               |               |  |                     |                     |   |  |   |  |  |     |  |   |  |   |  |                                |           |             |   |
| Seed Fund/Angel/VC Agency Name  | Mr. Moosa   |                               |               |  |                     |                     |   |  |   |  |  |     |  |   |  |   |  |                                |           |             |   |
| Agency Type   | Angel Investor/Venture Capitalist /High Net worth Individual (HNIs) |                               |               |  |                     |                     |   |  |   |  |  |     |  |   |  |   |  |                                |           |             |   |



**Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

| Name of Start-up Received Funding / Grant from Centre  | Name of Centre                | Year of Registration   | Registered as                 | Start-up with Corporate Identification Number (CIN) Registration | Start-up Founded by   | Type of Innovation               | Current Status Pre-Incubation/Incubation Support Received | 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 2018-19 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19? | Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19? | Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ? |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
|--|-------------------------------|--|-------------------------------|--|---|----------------------------------|---|--|---|--|--|------------|----|----|---------|--|--|--|------|------------|------|--------|------------|---------|--------------|----------|--|---------------|----------------------------|---------------------|------|----------------------|------------|
| <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)</td> </tr> <tr> <td>0</td> </tr> </table>   | Yes                           | Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees) | 0                             |  | <table border="1"> <thead> <tr> <th colspan="7">Founder</th> </tr> <tr> <th>Name</th> <th>DIN Number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Subair Porora</td> <td>07508702</td> <td>Alumni Entrepreneur</td> <td>Male</td> <td>subair@storilabs.com</td> <td>9747454342</td> </tr> </tbody> </table> |                                  |   |  |   |  |  |            |    |    | Founder |  |  |  |      |            |      | Name   | DIN Number | Type    | Gender       | Email    | Contact                                      | Subair Porora | 07508702                   | Alumni Entrepreneur | Male | subair@storilabs.com | 9747454342 |
| Yes  |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)   |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| 0  |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Founder  |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Name   | DIN Number                    | Type   | Gender                        | Email  | Contact   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Subair Porora  | 07508702                      | Alumni Entrepreneur  | Male                          | subair@storilabs.com   | 9747454342  |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| <table border="1"> <thead> <tr> <th colspan="7">Co-Founder</th> </tr> <tr> <th>Name</th> <th>DIN Number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Nabeel Hamad</td> <td>07056663</td> <td>Incubatee Entrepreneur</td> <td>Male</td> <td>nabeel.hamad@storilabs.com</td> <td>9645709698</td> </tr> </tbody> </table>           |                               |  |                               |  |   |                                  |   |  |   |  |  | Co-Founder |    |    |         |  |  |  | Name | DIN Number | Type | Gender | Email      | Contact | Nabeel Hamad | 07056663 | Incubatee Entrepreneur                       | Male          | nabeel.hamad@storilabs.com | 9645709698          |      |                      |            |
| Co-Founder   |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Name   | DIN Number                    | Type   | Gender                        | Email  | Contact   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Nabeel Hamad   | 07056663                      | Incubatee Entrepreneur   | Male                          | nabeel.hamad@storilabs.com                                       | 9645709698  |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Debut System Technologies LLP  | Technology Business Incubator | 2012-13  | Limited Liability Partnership | AAB4093  | Innovator/Entrepreneur External to Institute  | Non-IP / Non-Patented Technology | Graduated from Incubation Unit/Centre                     | Yes  | <table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)</td> </tr> <tr> <td>1500000</td> </tr> </table>        | Yes  | Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)   | 1500000    | No | No |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Yes  |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)   |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| 1500000  |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
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| Founder  |                               |  |                               |  |   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Name   | DIN Number                    | Type   | Gender                        | Email  | Contact   |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |
| Monish Mohan   | 06499560                      | Innovator/Entrepreneur External to Institute   | Male                          | monish@baabte.com  | 9895767088  |                                  |   |  |   |  |  |            |    |    |         |  |  |  |      |            |      |        |            |         |              |          |  |               |                            |                     |      |                      |            |

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|--|--------------------------------|--|---------------|---|------------------------|------------------------|---|--|---|--|--|--|--------|---|---------|--|---|--|--------|--|--------------------------------|------------------------------|-------------|----------------------|-------|---------|---------------|----------|------------------------|------|--------------------|------------|
|  | Xtrematix Automations Pvt. Ltd | Technology Business Incubator  | 2013-14       | Private Limited   | U74900KL2013P TC035587 | Incubatee Entrepreneur | Non-IP / Non-Patented Technology                          | Graduated from Incubation Unit/Centre  | Yes   | <table border="1"> <tr> <td data-bbox="1877 427 2056 491">Yes</td> </tr> <tr> <td data-bbox="1877 491 2056 651">Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)</td> </tr> <tr> <td data-bbox="1877 651 2056 1209">500000</td> </tr> </table> | Yes  | Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees) | 500000 | <table border="1"> <tr> <td colspan="2" data-bbox="2056 427 2210 491">Yes</td> </tr> <tr> <td colspan="2" data-bbox="2056 491 2210 861">Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)</td> </tr> <tr> <td colspan="2" data-bbox="2056 861 2210 893">500000</td> </tr> <tr> <td data-bbox="2056 893 2128 1053">Seed Fund/Angel/VC Agency Name</td> <td data-bbox="2128 893 2210 1053">Kerala Financial Corporation</td> </tr> <tr> <td data-bbox="2056 1053 2128 1209">Agency Type</td> <td data-bbox="2128 1053 2210 1209">Govt. Agency (State)</td> </tr> </table> | Yes     |  | Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees) |  | 500000 |  | Seed Fund/Angel/VC Agency Name | Kerala Financial Corporation | Agency Type | Govt. Agency (State) |       |         |               |          |                        |      |                    |            |
| Yes  |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)   |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| 500000   |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Yes  |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype /Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)  |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| 500000   |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Seed Fund/Angel/VC Agency Name   | Kerala Financial Corporation   |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Agency Type  | Govt. Agency (State)           |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| <table border="1"> <tr> <td data-bbox="26 1209 264 1273">Yes</td> </tr> <tr> <td data-bbox="26 1273 264 1500">Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)</td> </tr> <tr> <td data-bbox="26 1500 264 1560">500000</td> </tr> </table> | Yes                            | Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees) | 500000        | <table border="1"> <thead> <tr> <th colspan="6" data-bbox="264 1209 2210 1276">Founder</th> </tr> <tr> <th data-bbox="264 1276 891 1324">Name</th> <th data-bbox="891 1276 1160 1324">DIN Number</th> <th data-bbox="1160 1276 1429 1324">Type</th> <th data-bbox="1429 1276 1697 1324">Gender</th> <th data-bbox="1697 1276 1944 1324">Email</th> <th data-bbox="1944 1276 2210 1324">Contact</th> </tr> </thead> <tbody> <tr> <td data-bbox="264 1324 891 1560">Aldrin George</td> <td data-bbox="891 1324 1160 1560">06732695</td> <td data-bbox="1160 1324 1429 1560">Incubatee Entrepreneur</td> <td data-bbox="1429 1324 1697 1560">Male</td> <td data-bbox="1697 1324 1944 1560">aldringp@gmail.com</td> <td data-bbox="1944 1324 2210 1560">9447707393</td> </tr> </tbody> </table> |                        |                        |   |  |   |  |  |  |        |   | Founder |  |   |  |        |  | Name                           | DIN Number                   | Type        | Gender               | Email | Contact | Aldrin George | 06732695 | Incubatee Entrepreneur | Male | aldringp@gmail.com | 9447707393 |
| Yes  |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)   |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| 500000   |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Founder  |                                |  |               |   |                        |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Name   | DIN Number                     | Type   | Gender        | Email   | Contact                |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |
| Aldrin George  | 06732695                       | Incubatee Entrepreneur   | Male          | aldringp@gmail.com  | 9447707393             |                        |   |  |   |  |  |  |        |   |         |  |   |  |        |  |                                |                              |             |                      |       |         |               |          |                        |      |                    |            |

## Co-Incubation Partnership

| Type of Partnership   | Partnership Institute Name  | Type of Support Offered | No. of Student Projects/ Ideas / Innovation / Startups Supported | Date of MOU / Agreement Signed on |
|---|---|-------------------------|--|-----------------------------------|
| Incubation Services/Support Extended to Other Institute             | Coir Board  | Incubation              | 9  | 12-02-2016                        |
| Incubation Services/Support Received from Other Institute/Incubator | Kerala Start Up Mission   | Seed fund               | 1  | 01-01-2019                        |
| Incubation Services/Support Extended to Other Institute             | SreeChithira Thirunal Institute of Medical Science and Technology | Pre-incubation          | 1  | 11-09-2018                        |
| Incubation Services/Support Received from Other Institute/Incubator | Jayalakshmi Electricals Pvt Ltd Thrissur                          | Pre-incubation          | 2  | 23-01-2019                        |
| Incubation Services/Support Received from Other Institute/Incubator | BOSCH   | Pre-incubation          | 2  | 15-03-2019                        |
| Incubation Services/Support Received from Other Institute/Incubator | JMR Infotech  | Pre-incubation          | 2  | 03-08-2018                        |
| Incubation Services/Support Received from Other Institute/Incubator | Central Electronics Engineering Research Institute PILANI         | Pre-incubation          | 1  | 17-07-2018                        |

## Technology Commercialization / Transfer

| Name of Technology Licenced / Transferred / Commercialized | Technology Type                | Type of Transfer            | Patent / Licence Number | Patent / Licence Holder                                     |  | Centre / Department of Origin of Licence             | Licence Transferred to                                       |   | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Total Annual Income Received from Technology Transfer/Licensing (In Rupees) |
|--|--------------------------------|-----------------------------|-------------------------|---|--|--|--|---|---|---|
|  |                                |                             |                         | Patent/Licence Holder name (Institute Co-ownership is Must) | National Institute of Technology Calicut |  | Licence Transferred to                                       | Industry  |   |   |
| Solid State Transformer                                    | Non-IP/Non-Patented Technology | One-time transfer/Licensing | MOUKEL03092019          | Contact number of license holder                            | 04952286305                              | Department of Electrical and Electronics Engineering | Name of Industry/Start-up/Agency Received License/Technology | Kerala Electrical and Allied Engineering Company Ltd                      | No  | ---   |
|  |                                |                             |                         | Email of Licence holder                                     | ashoks@nitc.ac.in                        |  | Address of Agency  | 7th Floor KSHB Office Complex Panampilly Nagar Kochi 682 036 Kerala India |   |   |
|  |                                |                             |                         | Gender  | Male                                     |  | Contact Number of Agency                                     | 04842787705   |   |   |
|  |                                |                             |                         |   |  |  | Email of Agency  | info@kel.co.in  |   |   |
|  |                                |                             |                         |   |  |  |  |   |   |   |

## Technology Commercialization / Transfer

|   |                        |                             |                       |   |  |   |  |   |    |     |
|---|------------------------|-----------------------------|-----------------------|---|--|---|--|---|----|-----|
| Encapsulated Composite Phase Change Material Based Nanofluids For Heat Transfer | IP/Patented Technology | One-time transfer/Licensing | 201911012894          | Patent/Licence Holder name (Institute Co-ownership is Must) | NTPC Ltd<br>National institute of Technology Calicut | School of Materials Science and Engineering | Licence Transferred to                                       | Industry  | No | --- |
|   |                        |                             |                       | Contact number of license holder                            | 04952286525  |   | Name of Industry/Start-up/Agency Received License/Technology | NTPC Ltd  |    |     |
|   |                        |                             |                       | Email of Licence holder                                     | sajith@nitc.ac.in                                    |   | Address of Agency  | 7 Institutional Area Lodi Road New Delhi 110003 |    |     |
|   |                        |                             |                       | Gender  | Male   |   | Contact Number of Agency                                     | 9650994535                                      |    |     |
|   |                        | Email of Agency             | upainkumar@ntpc.co.in |   |  |   |  |   |    |     |

Responsibility for accuracy and authenticity of data lies with the concerned institution.