



ARIIA

ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: Sri Shakthi Institute of Engineering and Technology [ARI-C-37080]

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

| Srno | Department / Center / Unit Name | Type of Department / Center / Unit | Mention the Stream / Discipline / Sector of focus | Department / Center / Unit Level | Program Type | Student / Beneficiary Strength (2019-20) | Academic Staff Strength (2019-20) | Non-academic Staff Strength (2019-20) |
|------|---------------------------------|---------------------------------------|---|----------------------------------|--------------|--|-----------------------------------|---------------------------------------|
| 1 | Academic-BE | Academic Department with lab facility | Aeronautical Engineering | UG / PG / PhD | Technical | 0 | 6 | 0 |
| 2 | Academic-BE | Academic Department with lab facility | Agriculture Engineering | UG / PG / PhD | Technical | 379 | 25 | 6 |
| 3 | Academic-BE | Academic Department with lab facility | Automobile Engineering | UG / PG / PhD | Technical | 16 | 6 | 0 |
| 4 | Academic-BE | Academic Department with lab facility | Bio Medical Engineering | UG / PG / PhD | Technical | 182 | 14 | 3 |
| 5 | Academic-B Tech | Academic Department with lab facility | Bio Technology | UG / PG / PhD | Technical | 186 | 12 | 3 |
| 6 | Academic-BE | Academic Department with lab facility | Civil Engineering | UG / PG / PhD | Technical | 128 | 18 | 4 |
| 7 | Academic-BE | Academic Department with lab facility | Computer Science and Engineering | UG / PG / PhD | Technical | 421 | 25 | 6 |
| 8 | Academic-BE | Academic Department with lab facility | Electronics and Communication Engineering | UG / PG / PhD | Technical | 466 | 36 | 9 |
| 9 | Academic-BE | Academic Department with lab facility | Electrical and Electronics Engineering | UG / PG / PhD | Technical | 176 | 20 | 3 |
| 10 | Academic-B Tech | Academic Department with lab facility | Food Technology | UG / PG / PhD | Technical | 216 | 14 | 3 |
| 11 | Academic-B Tech | Academic Department with lab facility | Information Technology | UG / PG / PhD | Technical | 182 | 15 | 3 |
| 12 | Academic-BE | Academic Department with lab facility | Mechanical Engineering | UG / PG / PhD | Technical | 451 | 35 | 7 |

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

| | | | | | | | | |
|----|-------------|---------------------------------------|----------------------------------|---------------|-----------|----|---|---|
| 13 | Academic-ME | Academic Department with lab facility | Computer Science and Engineering | UG / PG / PhD | Technical | 14 | 4 | 1 |
| 14 | Academic-ME | Academic Department with lab facility | VLSI Design | UG / PG / PhD | Technical | 8 | 4 | 1 |
| 15 | Academic-ME | Academic Department with lab facility | Embedded system Technologies | UG / PG / PhD | Technical | 11 | 4 | 1 |
| 16 | Academic-ME | Academic Department with lab facility | CAD/CAM Engineering | UG / PG / PhD | Technical | 10 | 4 | 1 |
| 17 | Academic-ME | Academic Department with lab facility | Structural Engineering | UG / PG / PhD | Technical | 22 | 4 | 1 |

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

| Programs/Initiatives | Status | Registration ID |
|--|--------|-----------------------------------|
| Adopted National Innovation and Start-up Policy at the HEI | Yes | Not Required |
| Establishment of Institution's Innovation Council (IIC) at HEI | YES | IIC Registration ID : IC201810320 |
| Trained Innovation Ambassadors at HEI | YES | Not Required |
| Participation in Smart India Hackathon (SIH) | Yes | Not Required |
| Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC | No | Not Required |
| Participation in National Education Alliance of Technology (NEAT) | Yes | Not Required |

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

| Smo | Name of Program (Full Name) | Program Theme | Program Type | Program Category | Organizing Department / Centre / Student Body Name | Program Start Date | Program End Date | Program Duration(in Days) | Program Location | Internal Participants (Student) | Internal Participants (Faculty) | External Participants (Student) | External Participants (Faculty) | Total Number of Participants | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research? | | | | | | |
|--|---|--------------------------|--------------|-------------------------|--|---------------------|---------------------|---------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|---|---|--|-------|--|-----------------------|--|---------------------------|
| 1 | MAKE IN INDIA FOR THE BIOTECH HIGHWAY FORWARD | Entrepreneurship/Startup | Conference | Institute Lead Activity | Biotechnology | 30-08-2019 00:00:00 | 31-08-2019 00:00:00 | 2 | Within Campus | 170 | 20 | 150 | 20 | 360 | No | <table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>First</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Young scientist Award</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table> | Award / Position / Recognition Secured | First | Title of Innovation / Start-up Secured the Award / Recognition | Young scientist Award | Award/Recognition/Achievement Received for | Novel Research Paper/Work |
| Award / Position / Recognition Secured | First | | | | | | | | | | | | | | | | | | | | | |
| Title of Innovation / Start-up Secured the Award / Recognition | Young scientist Award | | | | | | | | | | | | | | | | | | | | | |
| Award/Recognition/Achievement Received for | Novel Research Paper/Work | | | | | | | | | | | | | | | | | | | | | |

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--------------------------|-------------------|-------------------------|---|---------------------|---------------------|---|---------------|-----|----|----|----|-----|----|---|--|-------|--|-------------|--|---------------------------|
| 2 | Molecular docking | Entrepreneurship/Startup | Workshop | Institute Lead Activity | BIOTECHNOLOGY | 06-02-2020 00:00:00 | 08-02-2020 00:00:00 | 3 | Within Campus | 70 | 11 | 10 | 14 | 105 | No | No | | | | | | |
| 3 | Hackathon2020 | Entrepreneurship/Startup | Hackathon | Institute Lead Activity | Computer Science and Engineering | 07-02-2020 00:00:00 | 08-02-2020 00:00:00 | 2 | Within Campus | 23 | 0 | 57 | 0 | 80 | No | <table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Award</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Recognition</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table> | Award / Position / Recognition Secured | Award | Title of Innovation / Start-up Secured the Award / Recognition | Recognition | Award/Recognition/Achievement Received for | Idea/Innovation/Prototype |
| Award / Position / Recognition Secured | Award | | | | | | | | | | | | | | | | | | | | | |
| Title of Innovation / Start-up Secured the Award / Recognition | Recognition | | | | | | | | | | | | | | | | | | | | | |
| Award/Recognition/Achievement Received for | Idea/Innovation/Prototype | | | | | | | | | | | | | | | | | | | | | |
| 4 | Seminar on PIC Automation | Entrepreneurship/Startup | Seminar | Student Lead Activity | Electronics and Communication Engineering | 10-01-2020 00:00:00 | 10-01-2020 00:00:00 | 1 | Within Campus | 62 | 0 | 0 | 0 | 62 | No | No | | | | | | |
| 5 | workshop on Embedded Systems Products | Entrepreneurship/Startup | Workshop | Student Lead Activity | Electronics and Communication Engineering | 28-09-2019 00:00:00 | 28-09-2019 00:00:00 | 1 | Within Campus | 57 | 0 | 0 | 0 | 57 | No | No | | | | | | |
| 6 | BLITZ'20 | Innovation | Exhibition | Student Lead Activity | Electronics and Communication Engineering | 02-02-2020 00:00:00 | 02-02-2020 00:00:00 | 1 | Within Campus | 65 | 0 | 0 | 0 | 65 | No | No | | | | | | |
| 7 | IoT with cloud applications | Entrepreneurship/Startup | Skill development | Student Lead Activity | Electronics and Communication Engineering | 10-02-2020 00:00:00 | 14-02-2020 00:00:00 | 5 | Within Campus | 11 | 23 | 0 | 23 | 57 | No | No | | | | | | |
| 8 | Machine learning using python | Entrepreneurship/Startup | Workshop | Student Lead Activity | Electronics and Communication Engineering | 03-03-2020 00:00:00 | 03-03-2020 00:00:00 | 1 | Within Campus | 62 | 0 | 0 | 0 | 62 | No | No | | | | | | |
| 9 | GuEST LECTURE ON how to become the Entrepreneur | Entrepreneurship/Startup | Training | Student Lead Activity | Electrical and Electronics Engineering | 03-01-2020 00:00:00 | 03-01-2020 00:00:00 | 1 | Within Campus | 102 | 11 | 0 | 0 | 113 | No | No | | | | | | |

Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

| Srno | Name of Program (Full Name) | Program Theme | Program Type | Organizing Agency / Institute Name | Organizing Agency Type | Program Start Date | Program End Date | Program Duration(in Days) | Participants (Students) | Participants (Faculty) | Total Number of Participants | Awards/Recognitions/Achievements | Award / Position / Recognition Secured | Title of Innovation / Start-up Secured the Award / Recognition | Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research |
|------|---|--------------------------|-------------------|-------------------------------------|------------------------|---------------------|---------------------|---------------------------|-------------------------|------------------------|------------------------------|----------------------------------|--|--|---|---|
| 1 | Innovations in Pharma, Industry, education and Research | Innovation | Conference | Anurag group of Institutions | Non-Govt. Agencies | 27-02-2020 00:00:00 | 28-02-2020 00:00:00 | 2 | 1 | 0 | 1 | No | --- | --- | No | No |
| 2 | Plant Biotechnology and Plant tissue culture techniques | Entrepreneurship/Startup | Training | Sankar Bio-tech | Non-Govt. Agencies | 04-12-2019 00:00:00 | 14-12-2019 00:00:00 | 11 | 2 | 0 | 2 | No | --- | --- | No | No |
| 3 | Plant Biotechnology, Plant tissue culture and Nursery technology | Entrepreneurship/Startup | Training | Sankar Bio-tech | Non-Govt. Agencies | 10-06-2019 00:00:00 | 25-06-2019 00:00:00 | 16 | 5 | 0 | 5 | No | --- | --- | No | No |
| 4 | Entrepreneurship Development | Entrepreneurship/Startup | Skill development | RMK Engineering College, Chennai | Educational Institute | 11-11-2019 00:00:00 | 11-11-2019 00:00:00 | 1 | 10 | 0 | 10 | No | --- | --- | No | No |
| 5 | Intellectual Property Rights for Engineers | IPR | Workshop | Kings Engineering College, Chennai | Educational Institute | 25-03-2020 00:00:00 | 25-03-2020 00:00:00 | 1 | 13 | 3 | 16 | No | --- | --- | No | No |
| 6 | Entrepreneurship opportunities, challenges and investments in Deep tech | Entrepreneurship/Startup | Awareness | Sona College of Technology | Educational Institute | 20-09-2019 00:00:00 | 20-09-2019 00:00:00 | 1 | 15 | 1 | 16 | No | --- | --- | No | No |
| 7 | Entrepreneurship in Geoenvironmental engineering | Entrepreneurship/Startup | Training | bannaramman institute of technology | Educational Institute | 25-11-2019 00:00:00 | 07-12-2019 00:00:00 | 13 | 0 | 25 | 25 | No | --- | --- | No | No |

Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

| Srno | Title of Course/Subject Offered | Program Theme | Type of Course | Course Offering Department/Centre/Unit Name | Level of Course | Program Start Date | Program End Date | Program Duration(in Days) | Mode of Delivery | Total Numbers of Participants | Total Numbers of Contact Hours of Course (Minimum 30 Contact hours) |
|------|---|--------------------------|-----------------------------|---|---|--------------------|------------------|---------------------------|------------------|-------------------------------|--|
| 1 | Creativity Innovation and New product Development | Innovation | Elective/Core Credit Course | Bachelor | Biotechnology | 22-07-2019 | 03-10-2019 | 74 | Offline | 46 | 45 |
| 2 | Engineering Exploration Lab | Entrepreneurship/Startup | Full time Program | Bachelor | Computer Science and Engineering | 10-06-2019 | 16-10-2019 | 129 | Offline | 107 | 45 |
| 3 | Engineering Exploration | Entrepreneurship/Startup | Short term Course | Bachelor | Electronics and Communication Engineering | 02-01-2020 | 20-05-2020 | 140 | Offline | 77 | 45 |
| 4 | Intellectual Property Rights | IPR, Innovation | Elective/Core Credit Course | Credit Course (Elective) | Mechanical Engineering | 03-12-2019 | 21-03-2020 | 110 | Offline | 12 | 32 |

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

| Srno | Title of the Training Program | Program Theme | Type of Course | Course Offering Department/Centre/Unit Name | Program Start Date | Program End Date | Program Duration(in Days) | Mode of Delivery | Total Numbers of Participants | Total Numbers of Contact Hours of Course (Minimum 30 Contact hours) |
|------|--|--------------------------|---|---|--------------------|------------------|---------------------------|------------------|-------------------------------|--|
| 1 | Building social entrepreneurship capacity among technology graduates | Entrepreneurship/Startup | FDP in I&E / IPR | Electronics and Communication Engineering | 03-12-2019 | 07-12-2019 | 5 | Offline | 15 | 30 |
| 2 | Entrepreneurship Development Program conducted by IIPC cell | Entrepreneurship/Startup | FDP in I&E / IPR | Department of Mechanical Engineering | 26-02-2020 | 29-02-2020 | 4 | Offline | 180 | 30 |
| 3 | Entrepreneurship Development Program conducted by IIPC cell | Entrepreneurship/Startup | Employment Generation Training Programs | AGRICULTURE ENGINEERING | 24-02-2020 | 27-02-2020 | 4 | Offline | 120 | 30 |

Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

| Srno | Faculty Name | Department/Centre/Unit Name | Designation | Do you have a degree in I&E & IPR? | Had the faculty received training on I&E & IPR during AY 2019-20 | | | |
|------|-------------------------|---|---------------------|------------------------------------|--|---------------------|-------------------|-----------------------------|
| 1 | Dr.R.Nirmal kumar | Biotechnology | Assistant Professor | No | Yes | | | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) |
| 2 | Dr.Sanjeeb Kumar mandal | Biotechnology | Assistant Professor | No | Yes | | | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) |
| 3 | G.Kumaran | Electronics and Communication Engineering | Assistant Professor | No | Yes | | | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) |
| 4 | Mrs.S.Hemalatha | Computer Science and Engineering | Assistant Professor | No | Yes | | | |

| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
|----|---------------------------------------|---|------------------------|----------------------|----------------------------------|---------------------|---------------------|-----------------------------|------------------|
| 5 | Mr.C.Sangeevi | Department of Mechanical Engineering | | Assistant Professor | | No | | Yes | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| | Engineering Exploration by IESA-NETRA | Innovation | FDP in I&E, IPR | IESA-NETRA | Non-Govt. Agencies | 30-09-2019 00:00:00 | 05-10-2019 00:00:00 | 6 | Offline |
| 6 | Mr.M.Karthik | Department of Mechanical Engineering | | Assistant Professor | | No | | Yes | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 7 | Dr.A.Kalaarasi | Electrical and Electronics Engineering | | Associate Professor | | No | | Yes | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 8 | Dr.P.Chinnasamy | Information Technology | | Assistant Professor | | No | | Yes | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 9 | Mr.S.Dhamodharan | Electrical and Electronics Engineering | | Assistant Professor | | No | | Yes | |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| | Entrepreneurship | Entrepreneurship/Startup | Short term Certificate | VI | Corporate / Industry Association | 16-12-2019 00:00:00 | 17-12-2019 00:00:00 | 2 | Offline |
| 10 | Dr.N.Kumaresan | Electronics and Communication Engineering | | Associate Professor | | No | | No | |
| 11 | Dr. R. V. Shalini | Biomedical Engineering | | Assistant Professor | | No | | No | |

Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

| Srno | Name of Student Club | Type of Club | Year of Establishment | Type of Facilities Available at the Club | Student Club with Access to Other I&E Facilities at the HEI | No of Programs/Activities Organized by the Student Club During the AY 2019-20 | Student Club Team Lead Name | Student Club Team Lead Email | Student Club Team Lead Phone |
|------|----------------------|--------------|-----------------------|--|---|---|-----------------------------|------------------------------|------------------------------|
| 1 | Gowthaman R | Startup Club | 2012 | Co-working Space,Work Stations | Incubation Unit | 3 | Gowthaman R | gowthamanyolo@gmail.com | 9994104941 |
| 2 | EDC Club | Idea Club | 2019 | 3D Printing | Centre of Excellence with Advance Tools | 2 | M.Thanigai Bharathi | thanigaibharathims@gmail.com | 9543379301 |

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

| Srno | Name of Pre- | Type of | Year of | Type of | Pre-Incubation | Name of the | Facility Details | Total Nos of Dedicated | Had the Pre-Incubation | Had institute | Had institute spent expenses either |
|------|--------------|---------|---------|---------|----------------|-------------|------------------|------------------------|------------------------|---------------|-------------------------------------|
|------|--------------|---------|---------|---------|----------------|-------------|------------------|------------------------|------------------------|---------------|-------------------------------------|

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

| Sl. No. | Incubation Centre | Facility | Establishment | Facilities Available at the Centre | with Access to Other I&E Facilities at the HEI | Funding Schemes Available with Pre-Incubation Unit, if any (Optional) | Incharge Details | | Executive/Management team Strength Engaged at the Facility | Unit Provided any Funding Support for Idea/Prototype/Innovation on Development and implementation during the Financial Year 2019-20 | Generated Income either from Services Offered by Pre-Incubation Centre/Facilities? | from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities? |
|---------------------------------|----------------------|-------------------|---------------|------------------------------------|--|---|-------------------------|-------------------------|--|---|---|--|
| | | | | | | | Facility Incharge Name | Facility Incharge Email | | | | |
| 1 | Lathe shop | Tinkering Lab | 2009 | Work Stations | Innovation Labs | Innovation Labs | Facility Incharge Name | Dr. S.Gnanasekaran | 2 | Yes | No | Yes |
| | | | | | | | Facility Incharge Email | sgnasekaran@siet.ac.in | | | | |
| | | | | | | | Facility Incharge Phone | 9789611628 | | | | |
| Source of Grant / Fund | | | | | | Agency Name | | | Agency Type | | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) | |
| Institute's Own Fund / Resource | | | | | | sri shakthi institute of engineering and technology Educational Institution | | | Educational Institute | | 2515000 | |
| 2 | Special machines lab | Tinkering Lab | 2010 | Work Stations | Innovation Labs | Innovation Labs | Facility Incharge Name | Dr. A. ARUN NEGE MIYA | 2 | Yes | No | Yes |
| | | | | | | | Facility Incharge Email | arunmeh@siet.ac.in | | | | |
| | | | | | | | Facility Incharge Phone | 9751810013 | | | | |
| Source of Grant / Fund | | | | | | Agency Name | | | Agency Type | | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) | |
| Institute's Own Fund / Resource | | | | | | sri shakthi institute of engineering and technology | | | Educational Institute | | 271300 | |
| 3 | 3D printing lab | Innovation Centre | 2016 | 3D Printing & Prototype Equipment | Innovation Labs | Innovation Labs | Facility Incharge Name | Mr. K. S.Moharaj | 1 | Yes | No | Yes |
| | | | | | | | Facility Incharge Email | ksmoharaj@siet.ac.in | | | | |
| | | | | | | | Facility Incharge Phone | 8825808723 | | | | |

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

| Source of Grant / Fund | | Agency Name | | Agency Type | | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) | | | | | | | | | |
|---------------------------------|----------------------------|---|------|-----------------------|-----------------|---|------------------------|-------------------|-------------------------|----------------------------|-------------------------|-------------|--|--|--|
| Institute's Own Fund / Resource | | sri shakthi institute of engineering and technology | | Educational Institute | | 271300 | | | | | | | | | |
| 4 | CAD lab | Design Centre | 2010 | Work Stations | Innovation Labs | Innovation Labs | 2 | Yes | No | Yes | | | | | |
| | | | | | | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.K.M OHAN KUMAR</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mohan mech @siet. ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>999454 6846</td> </tr> </table> | Facility Incharge Name | Mr.K.M OHAN KUMAR | Facility Incharge Email | mohan mech @siet. ac.in | Facility Incharge Phone | 999454 6846 | | | |
| Facility Incharge Name | Mr.K.M OHAN KUMAR | | | | | | | | | | | | | | |
| Facility Incharge Email | mohan mech @siet. ac.in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 999454 6846 | | | | | | | | | | | | | | |
| Source of Grant / Fund | | Agency Name | | Agency Type | | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) | | | | | | | | | |
| Institute's Own Fund / Resource | | sri shakthi institute of engineering and technology | | Educational Institute | | 2843500 | | | | | | | | | |
| 5 | Thermal Engineering lab | Tinkering Lab | 2010 | Work Stations | Innovation Labs | Innovation Labs | 2 | Yes | No | Yes | | | | | |
| | | | | | | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.P.Vi jaykumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>pvijaya kumar @siet. ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>807272 9330</td> </tr> </table> | Facility Incharge Name | Mr.P.Vi jaykumar | Facility Incharge Email | pvijaya kumar @siet. ac.in | Facility Incharge Phone | 807272 9330 | | | |
| Facility Incharge Name | Mr.P.Vi jaykumar | | | | | | | | | | | | | | |
| Facility Incharge Email | pvijaya kumar @siet. ac.in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 807272 9330 | | | | | | | | | | | | | | |
| Source of Grant / Fund | | Agency Name | | Agency Type | | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) | | | | | | | | | |
| Institute's Own Fund / Resource | | sri shakthi institute of engineering and technology | | Educational Institute | | 1106915 | | | | | | | | | |
| 6 | SAE Lab | Innovation Centre | 2012 | Work Stations | Student Clubs | Student Clubs | 3 | Yes | No | Yes | | | | | |
| | | | | | | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.R.P rakash</td> </tr> <tr> <td>Facility Incharge Email</td> <td>prakas hraju@ siet.ac. in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>978619 7062</td> </tr> </table> | Facility Incharge Name | Mr.R.P rakash | Facility Incharge Email | prakas hraju@ siet.ac. in | Facility Incharge Phone | 978619 7062 | | | |
| Facility Incharge Name | Mr.R.P rakash | | | | | | | | | | | | | | |
| Facility Incharge Email | prakas hraju@ siet.ac. in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 978619 7062 | | | | | | | | | | | | | | |

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

| Source of Grant / Fund | | | | Agency Name | | | | Agency Type | | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) | | |
|---------------------------------|------------------------------------|---------------|------|---|---|---|-------------------------|-----------------------|----|---|----|-----|
| Institute's Own Fund / Resource | | | | sri shakthi institute of engineering and technology | | | | Educational Institute | | 2453750 | | |
| 7 | Centre for Engineering Exploration | Tinkering Lab | 2019 | Co-working Space,3D Printing & Prototype Equipment, Work Stations | Innovation Labs,IPR Cell/Technology Transfer Centre | Innovation Labs,IPR Cell/Technology Transfer Centre | Facility Incharge Name | Hemalatha S | 10 | No | No | Yes |
| | | | | | | | Facility Incharge Email | hemalatha@siet.ac.in | | | | |
| | | | | | | | Facility Incharge Phone | 9677333462 | | | | |
| Source of Grant / Fund | | | | Agency Name | | | | Agency Type | | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) | | |
| Institute's Own Fund / Resource | | | | Sri Shakthi Institute of Engineering and Technology | | | | Educational Institute | | 1400000 | | |

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

| Srno | Name of CoE Facility | Year of Establishment | CoE with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with CoE, if any (Optional) | Facility Details | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20? | Had institute Generated Income either from Services Offered by CoE Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities? | | | | | | |
|-------------------------|-------------------------|-----------------------|--|---|---|---|--|---|---|-------------------------|------------|---|----|----|----|
| 1 | TTK Prestige | 2016 | Pre-Incubation, Incubation Unit | Funded by HEI | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.VijayaPrakash</td> </tr> <tr> <td>Facility Incharge Email</td> <td>vijayarakash@siet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9842255630</td> </tr> </table> | Facility Incharge Name | Mr.VijayaPrakash | Facility Incharge Email | vijayarakash@siet.ac.in | Facility Incharge Phone | 9842255630 | 3 | No | No | No |
| Facility Incharge Name | Mr.VijayaPrakash | | | | | | | | | | | | | | |
| Facility Incharge Email | vijayarakash@siet.ac.in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 9842255630 | | | | | | | | | | | | | | |

Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

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

Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

| | | | | | | | | | | | | | | | |
|-------------------------|--------------------------|------|---------------------------------|---------------|--|------------------------|-------------------|-------------------------|--------------------------|-------------------------|------------|---|----|----|----|
| 1 | Virtusa Polaris | 2016 | Pre-Incubation, Innovation Labs | Funded by HEI | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.K.E. Kannammal</td> </tr> <tr> <td>Facility Incharge Email</td> <td>hodcse@siet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9843633389</td> </tr> </table> | Facility Incharge Name | Dr.K.E. Kannammal | Facility Incharge Email | hodcse@siet.ac.in | Facility Incharge Phone | 9843633389 | 5 | No | No | No |
| Facility Incharge Name | Dr.K.E. Kannammal | | | | | | | | | | | | | | |
| Facility Incharge Email | hodcse@siet.ac.in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 9843633389 | | | | | | | | | | | | | | |
| 2 | Labview | 2012 | Pre-Incubation, Innovation Labs | Funded by HEI | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.S.D hamodharan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sdhamodharan@siet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7395860647</td> </tr> </table> | Facility Incharge Name | Mr.S.D hamodharan | Facility Incharge Email | sdhamodharan@siet.ac.in | Facility Incharge Phone | 7395860647 | 2 | No | No | No |
| Facility Incharge Name | Mr.S.D hamodharan | | | | | | | | | | | | | | |
| Facility Incharge Email | sdhamodharan@siet.ac.in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 7395860647 | | | | | | | | | | | | | | |
| 3 | TTK Prestige | 2016 | Pre-Incubation | Funded by HEI | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.Vijayaprakash</td> </tr> <tr> <td>Facility Incharge Email</td> <td>vijayaprakash@siet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9842255630</td> </tr> </table> | Facility Incharge Name | Mr.Vijayaprakash | Facility Incharge Email | vijayaprakash@siet.ac.in | Facility Incharge Phone | 9842255630 | 3 | No | No | No |
| Facility Incharge Name | Mr.Vijayaprakash | | | | | | | | | | | | | | |
| Facility Incharge Email | vijayaprakash@siet.ac.in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 9842255630 | | | | | | | | | | | | | | |

Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

| | | | | | | | | | |
|------------------------|--|--|--|--|--|--|--|--|--|
| No Data Filled! | | | | | | | | | |
|------------------------|--|--|--|--|--|--|--|--|--|

Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

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

Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

| | | | | | | | | | | | | | | | |
|-------------------------|------------------------------|------|---------------------------------|---------------|--|------------------------|-----------------|-------------------------|------------------------------|-------------------------|-------------|---|----|----|----|
| 1 | Sri Shakthi IPR Cell | 2020 | Pre-Incubation, Incubation Unit | Funded by HEI | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.A.K alaiaras</td> </tr> <tr> <td>Facility Incharge Email</td> <td>akalaia rasiee e@siet .ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98423 48280</td> </tr> </table> | Facility Incharge Name | Dr.A.K alaiaras | Facility Incharge Email | akalaia rasiee e@siet .ac.in | Facility Incharge Phone | 98423 48280 | 9 | No | No | No |
| Facility Incharge Name | Dr.A.K alaiaras | | | | | | | | | | | | | | |
| Facility Incharge Email | akalaia rasiee e@siet .ac.in | | | | | | | | | | | | | | |
| Facility Incharge Phone | 98423 48280 | | | | | | | | | | | | | | |

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

| Srno | Name of the Faculty | Designation of the Faculty | Mentor Expert Area | Years of Experience in Mentorship (In Years) |
|------|---|----------------------------|---|--|
| 1 | Dr.A.Kalaiaras | Associate Professor | Entrepreneurship/Startup Development | 3 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Rehabilitation health care devices | | Within | |
| 2 | Mr.S.Dhamodharan | Assistant Professor | Idea/Innovation Development | 3 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Artificial Intelligence based Robot | | Within | |
| 3 | Mrs.S.Hemalatha | Assistant Professor | Idea/Innovation Development | 4 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Sietizer | | Within | |
| 4 | Dr.Sanjeeb Kumar mandal | Assistant Professor | Idea/Innovation Development | 2 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Hydro Smart | | Within | |
| 5 | Mr.M.Karthik | Assistant Professor | Idea/Innovation Development | 2 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Automatic guided vehicle | | Within | |
| 6 | Dr.R.Nirmal kumar | Assistant Professor | Entrepreneurship/Startup Development | 2 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Power Green Production | | Outside | 22420017000603 |
| 7 | Dr. R. V. Shalini | Assistant Professor | Idea/Innovation Development | 2 |

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

| | | Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|----------------|---|---|---|
| | | Smart Biometric Device | Within | |
| 8 | Dr.N.Kumaresan | Associate Professor | Idea/Innovation Development | 2 |
| | | | Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI |
| | | Smart Dustbin | Within | |

Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

| Srno | Name of the External Expert/Agency as Mentor | Mentor Expert Area | Type of Mentorship |
|------|--|--------------------------------------|-------------------------|
| 1 | Dr.S.P.Subramaniyan | IPR Protection & Commercialization | Unstructured Mentorship |
| 2 | VijayKumar NRR | Entrepreneurship/Startup Development | Unstructured Mentorship |
| 3 | B.Gowtham | Entrepreneurship/Startup Development | Unstructured Mentorship |
| 4 | Balaje Sundar Raj B | Entrepreneurship/Startup Development | Unstructured Mentorship |
| 5 | S.Gowri Shankar | IPR Protection & Commercialization | Unstructured Mentorship |

Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

| Srno | Name of the Innovation Generated with the Support of HEI | Type of Innovation | Nature of Innovation | Name of the HEI Supported Innovation Development | Innovation Developed by | Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20 | Stage of Innovation/ Stage of TRL reached as on 31st March 2020 | Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020 | Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20 | Had the Innovation Converted into Venture/ Startup/ SME Unit during the financial period 2019-20 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20 | Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20 | Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019 |
|------|--|--------------------|----------------------|--|-------------------------|--|---|--|--|--|--|--|--|
|------|--|--------------------|----------------------|--|-------------------------|--|---|--|--|--|--|--|--|

| | | | | | | | | | | | | | | |
|---|------------------------------------|--------------------|---------------|---|---------|--|---|--------------------------------|--|--|----|----|----|----|
| 1 | Isolation of RNA by nano particles | Process Innovation | Technological | Sri Shakthi Institute of engineering and technology | Student | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovation Development Ongoing | Agency Name PSG Institute of Advanced studies | | No | No | No | No |
| | | | | | | | | | Agency Type Not-Govt. Agencies | | | | | |
| | | | | | | | | | Award / Position / Recognition Secured Incubation support | | | | | |

| Name | Type | Gender | Email | Contact |
|---------------|---------|--------|----------------------------------|------------|
| Aishwarya S Y | Student | Female | aishwaryasy2021@srishakthi.ac.in | 8072224565 |

| | | | | | | | | | | | | | | |
|---|--|--------------------|---------------|---|---------|--|--|--------------------------------|--|--|----|----|----|----|
| 2 | A low cost mini household STP (Sewage treatment Plant) | Process Innovation | Technological | Sri Shakthi Institute of engineering and technology | Student | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 2 : Technology formulation . Concept and application have been formulated. | Innovation Development Ongoing | Agency Name Entrepreneurship development and Innovation Institute | | No | No | No | No |
| | | | | | | | | | Agency Type Govt. Agency (State) | | | | | |
| | | | | | | | | | Award / Position / Recognition Secured Cash Award | | | | | |

| Name | Type | Gender | Email | Contact |
|-----------------|---------|--------|------------------------------|------------|
| Elizabeth Angel | Student | Female | elizabethangel2412@gmail.com | 7025883117 |

| | | | | | | | | | | | | |
|---|---|--------------------|---------------|---|---------|--|---|--------------------------------|--|------------------------|----|----|
| 3 | Quantitative and qualitative estimation of bacteria present in water purifying systems. | Product Innovation | Technological | Sri Shakthi Institute of engineering and technology | Student | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Innovation Development Ongoing | No | No | No | No |
| | | | | | | | | | Agency Name | IIT PAL S Chennai | | |
| | | | | | | | | | Agency Type | Govt. Agency (Central) | | |
| | | | | | | | | | Award / Position / Recognition Secured | Award | | |

| Name | Type | Gender | Email | Contact |
|-----------------|---------|--------|----------------------------|------------|
| Dilip Saravanan | Student | Male | dilipsaravanan25@gmail.com | 7806804687 |

| | | | | | | | | | | | | |
|---|---|--------------------|---------------|------|---------|--|---|--------------------------------|----|----|----|----|
| 4 | Smart Tremor Suppressor device for Neurological Disorders | Process Innovation | Technological | cell | Faculty | TRL 2 : Technology formulation . Concept and application have been formulated. | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | Innovation Development Ongoing | No | No | No | No |
|---|---|--------------------|---------------|------|---------|--|---|--------------------------------|----|----|----|----|

| Name | Type | Gender | Email | Contact |
|-----------------|---------|--------|----------------------------|------------|
| Dr.A.Kalaiarasi | Faculty | Female | kalaiarasi.a1406@gmail.com | 9842348280 |

| | | | | | | | | | | | | |
|---|--------------------------------------|--------------------|---------------|--|-----------------|---|--|----------------------------------|----|----|----|----|
| 5 | Development of Vibrating Bowl Feeder | Product Innovation | Technological | | Student-Faculty | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Completed | No | No | No | No |
|---|--------------------------------------|--------------------|---------------|--|-----------------|---|--|----------------------------------|----|----|----|----|

| Name | | Type | | | | Gender | | Email | | | Contact | | |
|--------------------|--|--------------------|----------------|--|-------------------|--|---|-------------------------------------|----|----|------------|----|----|
| Mr.K.MOHAN KUMAR | | Faculty | | | | Male | | mohanmech@siet.ac.in | | | 9994546846 | | |
| Name | | Type | | | | Gender | | Email | | | Contact | | |
| Saravanan R | | Student | | | | Male | | rsaravanan2020@srishakthi.ac.in | | | 7895621450 | | |
| 6 | Design and Development of Chuck drilling Mahine | Product Innovation | Technol ogical | | Stude nt-Facul ty | TRL 3 : Appli ed resear ch. First labor atory tests comp leted; proof of conc ept. | TRL 6 : Proto type syste m teste d in inten ded enviro nme nt close to expe cted perfor manc e. | Innovati on Develop ment Complet ed | No | No | No | No | No |
| Name | | Type | | | | Gender | | Email | | | Contact | | |
| Mr.K.MOHAN KUMAR | | Faculty | | | | Male | | mohanmech@siet.ac.in | | | 9994546846 | | |
| 7 | Design and analysis of automatic keyway milling attachment | Product Innovation | Technol ogical | | Stude nt-Facul ty | TRL 3 : Appli ed resear ch. First labor atory tests comp leted; proof of conc ept. | TRL 6 : Proto type syste m teste d in inten ded enviro nme nt close to expe cted perfor manc e. | Innovati on Develop ment Complet ed | No | No | No | No | No |
| Name | | Type | | | | Gender | | Email | | | Contact | | |
| Dr.A.Arun Negemiya | | Faculty | | | | Male | | arunmech@siet.ac.in | | | 9751810013 | | |
| Name | | Type | | | | Gender | | Email | | | Contact | | |
| S.Prakash | | Student | | | | Male | | prakashnsn2111@gmail.com | | | 9095037738 | | |
| J.Maria Joe Nithin | | Student | | | | Male | | mjnithin05@gmail.com | | | 9994471916 | | |

| | | | | | | | | | | | | | |
|------------|--|--------------------|---------------|--|-----------------|---|--|----------------------------------|----|------------|------------|----|----|
| 8 | Design and Fabrication of hands free vehicle for disabled person | Product Innovation | Technological | | Student-Faculty | TRL 3 : Applied research. First laboratory tests completed; proof of concept. | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Completed | No | No | No | No | No |
| | Name | | Type | | | Gender | | Email | | | Contact | | |
| | Dr.A.Arun Negemiya | | Faculty | | | Male | | arunmech@siet.ac.in | | | 9751810013 | | |
| | Name | | Type | | | Gender | | Email | | | Contact | | |
| E.Nishanth | | Student | | | Male | | nishanthe2020@srishakthi.ac.in | | | 8110967807 | | | |
| 9 | Design and Fabrication of Bolt's diameter and length sorting machine | Product Innovation | Technological | | Student-Faculty | TRL 5 : Large scale prototype tested in intended environment. | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Completed | No | No | No | No | No |
| | Name | | Type | | | Gender | | Email | | | Contact | | |
| | Dr.S.Gnanasekaran | | Faculty | | | Male | | sgnanasekaran@siet.ac.in | | | 9789611628 | | |
| | Name | | Type | | | Gender | | Email | | | Contact | | |
| MANOJ R | | Student | | | Male | | rmanoj2020@seishakthi.com | | | 9568412350 | | | |

| | | | | | | | | | | | | | |
|-------------------|--|--------------------|---------------|--|-----------------|---|--|--|----|----|----------------|----|----|
| 10 | Design and Fabrication of Component Inspection Conveyor by using IOT | Product Innovation | Technological | | Student-Faculty | TRL 5 : Large scale prototype tested in intended environment. | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Completed | No | No | No | No | No |
| Name | | Type | | | Gender | | | Email | | | Contact | | |
| Dr.S.Gnanasekaran | | Faculty | | | Male | | | sgnanasekaran@siet.ac.in | | | 9789611628 | | |
| Name | | Type | | | Gender | | | Email | | | Contact | | |
| RAJESH R | | Student | | | Male | | | rrajesh2020@srishakthi.com | | | 8007652690 | | |
| 11 | Development of Plywood Finger Cut Joining Machine | Product Innovation | Technological | | Student-Faculty | TRL 5 : Large scale prototype tested in intended environment. | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Adopted and Implemented at Ground | No | No | No | No | No |
| Name | | Type | | | Gender | | | Email | | | Contact | | |
| Dr.S.Gnanasekaran | | Student | | | Male | | | sgnanasekaran@siet.ac.in | | | 9789611628 | | |
| Name | | Type | | | Gender | | | Email | | | Contact | | |
| PRITHIVRAJ S | | Student | | | Male | | | sprithivraj2020@srishakthi.com | | | 9789652348 | | |

| | | | | | | | | | | | | | |
|-------------------|---|--------------------|---------------|--|-----------------|---|---|--|----|------------|----|----|----|
| 12 | DESIGN OF SEMIAUTOMATIC PALM JAGGERY MAKING | Product Innovation | Technological | | Student-Faculty | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovation Development Ongoing | No | No | No | No | No |
| Name | | Type | | | Gender | | Email | | | Contact | | | |
| Xavier oli elavan | | Faculty | | | Male | | xavieragri@siet.ac.in | | | 9952234589 | | | |
| 13 | Design of paddy collecting and bagging machine using vacuum | Product Innovation | Technological | | Student-Faculty | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovation Adopted and Implemented at Ground | No | No | No | No | No |
| Name | | Type | | | Gender | | Email | | | Contact | | | |
| Dr.K.Y.Raneesh | | Faculty | | | Male | | raneeshkyagri@siet.ac.in | | | 7540007478 | | | |

Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

| Sr no | Name of the Venture/Startup/SME Unit Established with the Support of HEI | Type of Innovation of Venture/Startup/SME Unit | Nature of Innovation | Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development | Venture Founded by | Venture Registered as | Year of Registration | What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020? | Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20? | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20 | Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20 | Had the Pre-incubation/Incubation Centre/ HEI received any income/revenue from venture /startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20 | Has the Startup Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|----------------------|--|--------------------|--|----------------------|---|--|---|--|--|---|--|-------------------|------|--------|-------|---------|----------------------|----------|---------|--------|---------------------------------|------------|-----------------------|----------|---------|------|------------------------|------------|-------------|----------|---------|--------|--------------------------|------------|----------------|----------|---------|------|-------------------------|------------|------------------|----------|---------|--------|------------------------------|------------|
| 1 | Oracura Technologies Pvt Limited | Product Innovation, Service Innovation | Technological | 5127 | Student | <div style="border: 1px solid black; padding: 5px;"> Venture with Corporate Identification Number (CIN) Registration U29100TZ2019PTC032798 </div> | 2019-20 | Graduated from the Incubation unit | <table border="1"> <tr> <td>Agency Name</td> <td>NSRCEL IIM BANGALORE</td> </tr> <tr> <td>Agency Type</td> <td>Educational Institute</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>TOP TEN INCUBTEES</td> </tr> </table> | Agency Name | NSRCEL IIM BANGALORE | Agency Type | Educational Institute | Award / Position / Recognition Secured | TOP TEN INCUBTEES | No | No | No | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agency Name | NSRCEL IIM BANGALORE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agency Type | Educational Institute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Award / Position / Recognition Secured | TOP TEN INCUBTEES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <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>PRIYANKA VISWANATHAN</td> <td>08579729</td> <td>Student</td> <td>Female</td> <td>priyankaviswanathan14@gmail.com</td> <td>9787700419</td> </tr> <tr> <td>KATHIR CHANDRASHEKHAR</td> <td>08579731</td> <td>Student</td> <td>Male</td> <td>kathir300799@gmail.com</td> <td>7904351033</td> </tr> <tr> <td>Divani Raju</td> <td>08579730</td> <td>Student</td> <td>Female</td> <td>divansharnith@gmail.coim</td> <td>9442517355</td> </tr> <tr> <td>Sejil Poolakal</td> <td>08630413</td> <td>Student</td> <td>Male</td> <td>sejilseji1998@gmail.com</td> <td>8086956358</td> </tr> <tr> <td>menaka Sivakumar</td> <td>08630355</td> <td>Student</td> <td>Female</td> <td>menakasivakumar207@gmail.com</td> <td>8610949342</td> </tr> </tbody> </table> | | | | | | | | | | | | | | Name | DIN number | Type | Gender | Email | Contact | PRIYANKA VISWANATHAN | 08579729 | Student | Female | priyankaviswanathan14@gmail.com | 9787700419 | KATHIR CHANDRASHEKHAR | 08579731 | Student | Male | kathir300799@gmail.com | 7904351033 | Divani Raju | 08579730 | Student | Female | divansharnith@gmail.coim | 9442517355 | Sejil Poolakal | 08630413 | Student | Male | sejilseji1998@gmail.com | 8086956358 | menaka Sivakumar | 08630355 | Student | Female | menakasivakumar207@gmail.com | 8610949342 |
| Name | DIN number | Type | Gender | Email | Contact | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRIYANKA VISWANATHAN | 08579729 | Student | Female | priyankaviswanathan14@gmail.com | 9787700419 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KATHIR CHANDRASHEKHAR | 08579731 | Student | Male | kathir300799@gmail.com | 7904351033 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Divani Raju | 08579730 | Student | Female | divansharnith@gmail.coim | 9442517355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sejil Poolakal | 08630413 | Student | Male | sejilseji1998@gmail.com | 8086956358 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| menaka Sivakumar | 08630355 | Student | Female | menakasivakumar207@gmail.com | 8610949342 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

| Srno | Collaborated Agency Name | Collaborated Agency Type | Purpose of Collaboration | Type of Support Offered | No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership | Date of MOU / Agreement Signed on |
|------|-----------------------------------|----------------------------------|--|-------------------------|---|-----------------------------------|
| 1 | N-science Sustainable solutions | Non-Govt. Agencies | Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities | Mentoring | 1 | 16-08-2019 |
| 2 | Insta 3D | Non-Govt. Agencies | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 1 | 01-09-2019 |
| 3 | PSG Institute of Advanced Studies | Educational Institute | Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups | Incubation | 1 | 11-12-2019 |
| 4 | My Assessment | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 02 | 13-08-2019 |
| 5 | smart way industrial automation | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 5 | 06-11-2019 |
| 6 | Seine Group of Companies | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 10 | 26-08-2019 |
| 7 | Gentech Engineering | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 2 | 18-12-2019 |
| 8 | Generic CNC Engineers | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 1 | 12-11-2019 |
| 9 | KMT Engineering | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 4 | 12-03-2019 |
| 10 | Titan Engineering And Automation | Corporate / Industry Association | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 4 | 20-05-2019 |

Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data Filled!

Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

| Srno | Title/Name of Patent | IP Registration Number | Date of Filed/Published (Year, Month) | Application Level | Copy of receipt / application screenshot [PDF or Image] |
|------|---|------------------------|---------------------------------------|-------------------|---|
| 1 | Smart earoscope for wax removal in ear | 202041006898 | National | 2020 - 02 | Uploaded |
| 2 | Smart Bed for pressure ulcer patient –S BED | 202041000998 | National | 2020 - 02 | Uploaded |
| 3 | System and method to monitor and forecast water consumption in premises | 202041001100 | National | 2020 - 01 | Uploaded |
| 4 | Smart Farming for Future Agriculture with IoT | 202041007314 | National | 2020 - 02 | NA |
| 5 | Single walled carbon nanotube(SWCNT) and multi walled carbon nanotube (MWCNT) embedded hexa-ferrite | 202041007318 | National | 2020 - 02 | Uploaded |
| 6 | Smart Voting System with biometric Authentication -S Voting | 202041006102 | National | 2020 - 02 | NA |
| 7 | Communication tool for diabled person | 202041007320 | National | 2020 - 02 | Uploaded |
| 8 | Electronic steering for electric vehicle | 202041009507 | National | 2020 - 03 | Uploaded |

| | | | | | |
|----|---|---------------|----------|-----------|----------|
| 9 | Design of automatic suspension controller for patient stretcher | - | National | 2020 - 01 | Uploaded |
| 10 | System and Method based on unmanned aerial vehicle to detect forest fire | 201941051953A | National | 2019 - 12 | Uploaded |
| 11 | Cloud Based Data Security Model and System Threere of | 201941053593 | National | 2019 - 12 | Uploaded |
| 12 | Cloud Based Data Security Model and System Threere of | 201941053593 | National | 2019 - 12 | Uploaded |
| 13 | Cloud Based Data Security Model and System Threere of | 201941053593 | National | 2019 - 12 | Uploaded |
| 14 | DIGITAL STETHOSCOPE AND A PULMONARY DIAGNOSTIC SYSTEM | 202041002705A | National | 2020 - 01 | Uploaded |
| 15 | Smart Shopping cart and method therefor | 202041016835 | National | 2020 - 03 | Uploaded |
| 16 | LM13 aluminium alloy – copper coated steel fiber reinforced composites for automobile pistons | 202041005537 | National | 2020 - 02 | Uploaded |
| 17 | A OPTIMIZED CONTROLLER FOR CARDIAC DRUG INFUSION SYSTEM | 201941053692 | National | 2019 - 12 | Uploaded |
| 18 | Automated and portable amniotic fluid detector | 202041000111 | National | 2020 - 01 | Uploaded |
| 19 | A novel implementation and fabrication of a hybrid system for purification and thermal regulation of air through natural elements | 201941025396 | National | 2019 - 06 | Uploaded |
| 20 | A novel system and method of Oxyserve-The air purifier | 201941023884 | National | 2019 - 06 | Uploaded |
| 21 | Development of low cost wireless signal acquisition for ECG, EMG, EOG | 202041000125 | National | 2020 - 01 | Uploaded |
| 22 | Novel nano composite for water purification | 202041000499 | National | 2020 - 01 | Uploaded |
| 23 | Icterus detection kit | 202041001442 | National | 2020 - 01 | Uploaded |
| 24 | Design of 3D prosthetic functional hand with flux sensor | 202041000044 | National | 2020 - 01 | Uploaded |
| 25 | A Novel method of purification of air using sodalime | 201941025397 | National | 2019 - 06 | Uploaded |
| 26 | OSMOTICALLY DEHYDRATED COCONUT FLAKES | 201941054684 | National | 2019 - 12 | Uploaded |
| 27 | DEVELOPMENT OF EXTRUDED PRODUCT INCORPORATING CARROT AND TOMATO POMACE | 201941054682 | National | 2019 - 12 | Uploaded |