



ARIIA

ATAL 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: RAJARAJESWARI COLLEGE OF ENGINEERING [ARI-C-1404]

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 | Electronics and Communication Engineering | Academic Department with lab facility | Electronics and Communication Engineering | UG / PG / PhD | Technical | 577 | 30 | 8 |
| 2 | Computer science and Engineering | Academic Department with lab facility | Computer science and Engineering | UG / PG / PhD | Technical | 662 | 34 | 10 |
| 3 | Civil Engineering | Academic Department with lab facility | Civil Engineering | UG / PG / PhD | Technical | 318 | 22 | 8 |
| 4 | Electrical and Electronics Engineering | Academic Department with lab facility | Electrical and Electronics Engineering | UG / PG / PhD | Technical | 207 | 14 | 8 |
| 5 | Information Science and Engineering | Academic Department with lab facility | Information Science and Engineering | UG / PG / PhD | Technical | 176 | 9 | 6 |
| 6 | Mechanical Engineering | Academic Department with lab facility | Mechanical Engineering | UG / PG / PhD | Technical | 335 | 31 | 13 |
| 7 | Master of Business Administration | Academic Department with lab facility | Business Administration | UG / PG / PhD | Non-Technical | 62 | 10 | 1 |
| 8 | Master of Computer Applications | Academic Department with lab facility | Master of Computer Applications | UG / PG / PhD | Both | 53 | 6 | 2 |
| 9 | Institution Innovation Council | IPR Cell / Patent Facilitation Unit / Technology Transfer Centre | Institution Innovation Council | At all level | Both | 17 | 21 | 3 |
| 10 | Innovation Club | Pre-incubation unit | Innovation Club | At all level | Both | 186 | 12 | 3 |
| 11 | Idea Club | Pre-incubation unit | Industry | At all level | Both | 50 | 2 | 1 |
| 12 | Incubation Cell | Incubation Unit | Industry | At all level | Both | 6 | 2 | 2 |
| 13 | Entrepreneurship Cell | Industry Institute Interface Unit | Industry | At all level | Both | 125 | 3 | 2 |
| 14 | IOT | Centre of Excellence with Advance Tools & Equipment | Industry | At all level | Both | 70 | 8 | 1 |

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

| | | | | | | | | |
|----|------------------------|---|----------|--------------|------|-----|---|---|
| 15 | Wireless Communication | Centre of Excellence with Advance Tools & Equipment | Industry | At all level | Both | 100 | 7 | 1 |
| 16 | Alter Hyper works | Centre of Excellence with Advance Tools & Equipment | Industry | At all level | Both | 20 | 5 | 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 : IC201912297 |
| 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

| Srno | Name of Program (Full Name) | Program Theme | Program Type | Program Category | Organizing Department / Centre / Student Body Name | Program Start Date | Program End Date | Program Duration (in Days) | Program Location | Internal Participants (Student) | Internal Participants (Faculty) | External Participants (Student) | External Participants (Faculty) | Total Number of Participants | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research? |
|------|---|---------------|-------------------|-------------------------|---|---------------------|---------------------|----------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|---|--|
| 1 | Five Days FDP On SalesForce Essentials for Business Specialists | Innovation | Skill development | Institute Lead Activity | Department of Computer Science and Engineering | 22-07-2019 00:00:00 | 25-07-2019 00:00:00 | 4 | Within Campus | 0 | 50 | 0 | 0 | 50 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 25000 | No |
| 2 | Six Hat Thinking Technique | Innovation | Skill development | Student Lead Activity | Department of Electronics and Communication Engineering | 23-04-2019 00:00:00 | 26-04-2019 00:00:00 | 4 | Within Campus | 70 | 20 | 0 | 0 | 90 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 35000 | No |
| 3 | Ideation Workshop | Innovation | Workshop | Student Lead Activity | Department of Electronics and Communication Engineering | 13-05-2019 00:00:00 | 15-05-2019 00:00:00 | 3 | Within Campus | 60 | 19 | 0 | 0 | 79 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 35000 | No |

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

| | | | | | | | | | | | | | | | | | |
|----|--|--------------------------|--------------------|-----------------------|---|---------------------|---------------------|---|---------------|-----|----|---|---|-----|--|-------|----|
| 4 | How to innovate | Innovation | Motivational speak | Student Lead Activity | Department of Electronics and Communication Engineering | 24-08-2019 00:00:00 | 24-08-2019 00:00:00 | 1 | Within Campus | 90 | 25 | 0 | 0 | 115 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 35000 | No |
| 5 | How to design and convert into a prototype model | Innovation | Workshop | Student Lead Activity | Department of Electronics and Communication Engineering | 20-08-2019 00:00:00 | 22-08-2019 00:00:00 | 3 | Within Campus | 70 | 15 | 0 | 0 | 85 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 35000 | No |
| 6 | Student Startup Policy | Entrepreneurship/Startup | Awareness | Student Lead Activity | Rajarajeswari innovation institution council | 11-12-2019 00:00:00 | 14-12-2019 00:00:00 | 4 | Within Campus | 80 | 12 | 0 | 0 | 92 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 35000 | No |
| 7 | Internal Hackthon for smart India-Hackthon -2020 | Innovation | Innovation Contest | Student Lead Activity | Rajarajeswari innovation institution council | 18-01-2020 00:00:00 | 18-01-2020 00:00:00 | 1 | Within Campus | 150 | 25 | 0 | 0 | 175 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 60000 | No |
| 8 | INDUSTRY 4.0 FOR MANUFACTURING INDUSTRY | Innovation | Awareness | Student Lead Activity | Department of Mechanical Engineering | 10-04-2019 00:00:00 | 10-04-2019 00:00:00 | 1 | Within Campus | 200 | 18 | 0 | 0 | 218 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 2500 | No |
| 9 | Entrepreneurship, Challenges fresher's facing in corporate field | Innovation | Awareness | Student Lead Activity | Department of Mechanical Engineering | 12-09-2019 00:00:00 | 12-09-2019 00:00:00 | 1 | Within Campus | 350 | 18 | 0 | 0 | 368 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 2500 | No |
| 10 | Entrepreneur and Management skills | Innovation | Awareness | Student Lead Activity | Department of Mechanical Engineering | 25-09-2019 00:00:00 | 25-09-2019 00:00:00 | 1 | Within Campus | 350 | 18 | 0 | 0 | 368 | No | | No |
| 11 | Manufacturing: A Disruptive Technology of the Future | Innovation | Awareness | Student Lead Activity | Department of Mechanical Engineering | 25-09-2019 00:00:00 | 25-09-2019 00:00:00 | 1 | Within Campus | 350 | 18 | 0 | 0 | 368 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 2500 | No |

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

| | | | | | | | | | | | | | | | | | |
|----|--|------------|---------|-----------------------|--|---------------------|---------------------|---|---------------|----|----|---|---|-----|--|------|----|
| 12 | Modern Technologies in Electrical Vehicles | Innovation | Seminar | Student Lead Activity | Electrical and Electronics Engineering | 24-08-2019 00:00:00 | 24-08-2019 00:00:00 | 1 | Within Campus | 90 | 10 | 0 | 0 | 100 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 3000 | 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 | NEC Student Entrepreneurship Summit 2019 (NECSES 2019)(Demoday) | Entrepreneurship/Startup | Innovation Contest | National Engineering College | Educational Institute | 22-09-2019 00:00:00 | 22-09-2019 00:00:00 | 1 | 5 | 0 | 5 | Yes | 4 | Innovation Idea | Total Expense Amount Incurred by Institute? (In Rupees) | 96000 | <table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>4</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Innovation Idea</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table> | Award / Position / Recognition Secured | 4 | Title of Innovation / Start-up Secured the Award / Recognition | Innovation Idea | Award/Recognition/Achievement Received for | Idea/Innovation/Prototype |
| Award / Position / Recognition Secured | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Title of Innovation / Start-up Secured the Award / Recognition | Innovation Idea | | | | | | | | | | | | | | | | | | | | | | |
| Award/Recognition/Achievement Received for | Idea/Innovation/Prototype | | | | | | | | | | | | | | | | | | | | | | |
| 2 | RSIC 2019 | Entrepreneurship/Startup | Skill development | NIRDPR | Educational Institute | 27-09-2019 00:00:00 | 28-09-2019 00:00:00 | 2 | 5 | 0 | 5 | No | --- | --- | No | No | | | | | | | |
| 3 | Startup Summit 2020 | Entrepreneurship/Startup | Conference | IIFM, Madras | Educational Institute | 20-01-2020 00:00:00 | 20-01-2020 00:00:00 | 1 | 1 | 1 | 2 | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 6000 | 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 | MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY | Entrepreneurship/Startup | Elective/Core Credit Course | Bachelor | department of computer sciences and Engineering | 08-03-2019 | 25-11-2019 | 263 | Offline | 153 | 50 |

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)

No Data Filled!

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. N Sreenivasalu Reddy | Mechanical 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 |
| | InnovationAmbasider Training Programme | Innovation | Short term Certificate | AICTE-MHRD | Govt. Agency (Central) | 26-02-2020 00:00:00 | 27-02-2020 00:00:00 | 2 | Offline |
| 2 | Dr. D.Shobya | Electronics and Communication 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 |
| | Innovation AmbassidorTraining Programme | Innovation | Short term Certificate | AICT-MHRD | Govt. Agency (Central) | 26-02-2020 00:00:00 | 27-02-2020 00:00:00 | 2 | Offline |
| 3 | Mrs Sincy kuruvila | 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 |
| | Innovation ambasider training programme | Innovation | Short term Certificate | AICTE-MHRD | Govt. Agency (Central) | 26-02-2020 00:00:00 | 27-02-2020 00:00:00 | 2 | Offline |
| 4 | Dr J AMutha Raj | IIC | 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 |
| | Innovation Ambasider training programme | Innovation | Short term Certificate | AICT-MHRD | Govt. Agency (Central) | 26-02-2020 00:00:00 | 27-02-2020 00:00:00 | 2 | Offline |

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 | Idea Club | Idea Club | 2019 | Work Stations | Centre of Excellence with Advance Tools | 1 | Swaroop | swaroop8811@gmail.com | 8197977987 |

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-Incubation Centre | Type of Facility | Year of Establishment | Type of Facilities Available at the Centre | Pre-Incubation with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional) | Facility Details | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation on Development and implementation during the Financial Year 2019-20 | Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities? | | | | | | |
|---------------------------------|----------------------------------|-------------------|--|--|---|---|--|---|--|--|--|-------------------------|------------|---|-----|----|-----|
| 1 | RajaRajeswari Business Incubator | Innovation Centre | 2018 | Work Stations | Incubation Unit | Incubation Unit | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. J. Amutharaj</td> </tr> <tr> <td>Facility Incharge Email</td> <td>amutharaj@rrce.org</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9742738238</td> </tr> </table> | Facility Incharge Name | Dr. J. Amutharaj | Facility Incharge Email | amutharaj@rrce.org | Facility Incharge Phone | 9742738238 | 5 | Yes | No | Yes |
| Facility Incharge Name | Dr. J. Amutharaj | | | | | | | | | | | | | | | | |
| Facility Incharge Email | amutharaj@rrce.org | | | | | | | | | | | | | | | | |
| Facility Incharge Phone | 9742738238 | | | | | | | | | | | | | | | | |
| 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 | | | RajaRajeswari Institution Innovation Council | | | Educational Institute | | | 750000 | | | | | | | | |

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 | Wireless sensor Networks | 2017 | Innovation Labs, Innovation Park/Research Park | Rajarajeswari College of Engineering | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. L rangai ah</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rangai ah@rrce.org</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9741681862</td> </tr> </table> | Facility Incharge Name | Dr. L rangai ah | Facility Incharge Email | rangai ah@rrce.org | Facility Incharge Phone | 9741681862 | 25 | No | No | Yes |
| Facility Incharge Name | Dr. L rangai ah | | | | | | | | | | | | | | |
| Facility Incharge Email | rangai ah@rrce.org | | | | | | | | | | | | | | |
| Facility Incharge Phone | 9741681862 | | | | | | | | | | | | | | |
| Source of Grant / Fund | | | Agency Name | | | Agency Type | | | Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees) | | | | | | |
| Institute's Own Fund / Resource | | | Rajarajeswari College of Engineering | | | Educational Institute | | | 545000 | | | | | | |

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

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

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/Startup/Venture Development and implementation during the Financial Year 2019-20? | | | | | | |
|-------------------------|--|-----------------------|--|---|---|---|--|---|--|-------------------------|------------|---|----|----|----|
| 1 | RajaRajeswari IPR Cell | 2018 | Innovation Labs | RRIC | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. N. Sreenivasalu Reddy</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nsreddyrce@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9964653644</td> </tr> </table> | Facility Incharge Name | Dr. N. Sreenivasalu Reddy | Facility Incharge Email | nsreddyrce@gmail.com | Facility Incharge Phone | 9964653644 | 2 | No | No | No |
| Facility Incharge Name | Dr. N. Sreenivasalu Reddy | | | | | | | | | | | | | | |
| Facility Incharge Email | nsreddyrce@gmail.com | | | | | | | | | | | | | | |
| Facility Incharge Phone | 9964653644 | | | | | | | | | | | | | | |

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. N Sreenivasalu Reddy | Associate Professor | Entrepreneurship/Startup Development | 3 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| 2 | Dr. D.Shobya | Associate Professor | Entrepreneurship/Startup Development | 2 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Embedded Technology | | Within | |
| 3 | Mrs Sincy kuruvila | Assistant professor | Entrepreneurship/Startup Development | 3 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Innovation Training | | 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 | Pongu Ventures | Entrepreneurship/Startup Development | Structured Mentorship |

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

| | | Structured Mentorship Program Name | Start Date | End Date | Total No of Days of Mentorship Program | No of Mentors Involved | Mentorship Cohort Size (No. of Mentee) | Type of Mentee | |
|---|------------|------------------------------------|------------------------------------|------------|--|--|--|--|----------------|
| | | Strtup creation Workshops | 01-04-2019 | 31-03-2020 | 30 | 4 | 10 | Early Stage Startup | |
| 2 | Dr. Vinoth | | Idea/Innovation Development | | | | Structured Mentorship | | |
| | | | Structured Mentorship Program Name | Start Date | End Date | Total No of Days of Mentorship Program | No of Mentors Involved | Mentorship Cohort Size (No. of Mentee) | Type of Mentee |
| | | | Innovation Process Development | 15-05-2019 | 10-03-2020 | 10 | 1 | 14 | Idea |

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 Convert ed 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 | Smart sanitary napkin vending machine-startup idea | Product Innovation | Technological | Rajaraje swari Buisness Incubation Unit | Student | TRL 2 : Technology formulation . Concept and application have been formulated. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing | <table border="1"> <tr> <td>Agency Name</td> <td>National Engineering College</td> </tr> <tr> <td>Agency Type</td> <td>Educational Institute</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>fund received</td> </tr> </table> | Agency Name | National Engineering College | Agency Type | Educational Institute | Award / Position / Recognition Secured | fund received | No | <table border="1"> <tr> <td>Grant Amount in Rs</td> <td>1500</td> </tr> </table> | Grant Amount in Rs | 1500 | No | <table border="1"> <tr> <td>Amount Received in Rs.</td> <td>1500</td> </tr> </table> | Amount Received in Rs. | 1500 |
| Agency Name | National Engineering College | | | | | | | | | | | | | | | | | | | | | | |
| Agency Type | Educational Institute | | | | | | | | | | | | | | | | | | | | | | |
| Award / Position / Recognition Secured | fund received | | | | | | | | | | | | | | | | | | | | | | |
| Grant Amount in Rs | 1500 | | | | | | | | | | | | | | | | | | | | | | |
| Amount Received in Rs. | 1500 | | | | | | | | | | | | | | | | | | | | | | |
| | | Name | Type | Gender | Email | Contact | | | | | | | | | | | | | | | | | |
| | | Sharmila G | Student | Female | Sharmilachamu1515@gmail.com | 7019709370 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---|---------------------|--------------------|---------------|------------------------------------|---------|--|---|--------------------------------|---|--------------------------------------|---|----|----------------------------|----|--------------------------------|
| 2 | Solar Optical Fiber | Product Innovation | Technological | Rajaraje swari Buisness Incubation | Student | TRL 2 : Technology formulation . Concept and application have been formulated. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing | Agency Name National engineering College | Agency Type Educational Institute | Award / Position / Recognition Secured Fund received | No | Grant Amount in Rs 1500 | No | Amount Received in Rs. 1500 |
|---|---------------------|--------------------|---------------|------------------------------------|---------|--|---|--------------------------------|---|--------------------------------------|---|----|----------------------------|----|--------------------------------|

| Name | Type | Gender | Email | Contact |
|---------|---------|--------|------------------------|------------|
| Yuvaraj | Student | Male | yuvaraj90085@gmail.com | 7019709370 |

| | | | | | | | | | | | | | | | |
|---|-----------------------------------|--------------------|---------------|------------------------------------|-----------------|--|---|--------------------------------|---|---------------------------------------|---|----|----------------------------|----|--------------------------------|
| 3 | Infusion pump with nebulizer Unit | Product Innovation | Technological | Rajaraje swari Buisness Incubation | Student-Faculty | TRL 2 : Technology formulation . Concept and application have been formulated. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing | Agency Name Karnataka state for science and Technology | Agency Type Govt. Agency (Central) | Award / Position / Recognition Secured Fund Received | No | Grant Amount in Rs 2000 | No | Amount Received in Rs. 2000 |
|---|-----------------------------------|--------------------|---------------|------------------------------------|-----------------|--|---|--------------------------------|---|---------------------------------------|---|----|----------------------------|----|--------------------------------|

| Name | Type | Gender | Email | Contact |
|-----------|---------|--------|-----------------------|------------|
| Deepika J | Faculty | Female | deepika7193@gmail.com | 9008600677 |

| Name | Type | Gender | Email | Contact |
|---------------|---------|--------|---------------------|------------|
| Prakash Hegde | Student | Male | hegde1133@gmail.com | 8762149927 |

| | | | | | | | | | | | | | | | |
|---|---|--------------------|---------------|-----------------------------------|-----------------|--|---|--------------------------------|---|-------------------------------------|---|----|----------------------------|----|--------------------------------|
| 4 | Efficient eye blink detection method for disabled | Product Innovation | Technological | Rajarajeswari Business Incubation | Student-Faculty | TRL 2 : Technology formulation . Concept and application have been formulated. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing | Agency Name Karnataka state for science and Technology | Agency Type Govt. Agency (State) | Award / Position / Recognition Secured Fund Received | No | Grant Amount in Rs 6000 | No | Amount Received in Rs. 6000 |
|---|---|--------------------|---------------|-----------------------------------|-----------------|--|---|--------------------------------|---|-------------------------------------|---|----|----------------------------|----|--------------------------------|

| Name | Type | Gender | Email | Contact |
|-----------|---------|--------|--------------------|------------|
| M. Suresh | Faculty | Male | psna.sam@gmail.com | 8073744044 |

| Name | Type | Gender | Email | Contact |
|----------|---------|--------|----------------------|------------|
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| | | | | | | | | | | | | | | | |
|---|---------------------------------|--------------------|---------------|-----------------------------------|-----------------|--|---|----------------------------------|---|---------------------------------------|---|----|----------------------------|----|--------------------------------|
| 5 | Human Life Detection Rescue-BOT | Product Innovation | Technological | Rajarajeswari Business Incubation | Student-Faculty | TRL 2 : Technology formulation . Concept and application have been formulated. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Completed | Agency Name Karnataka state for science and Technology | Agency Type Govt. Agency (Central) | Award / Position / Recognition Secured Fund Received | No | Grant Amount in Rs 1500 | No | Amount Received in Rs. 1500 |
|---|---------------------------------|--------------------|---------------|-----------------------------------|-----------------|--|---|----------------------------------|---|---------------------------------------|---|----|----------------------------|----|--------------------------------|

| Name | Type | Gender | Email | Contact |
|----------------|---------|--------|---------------|------------|
| Vani S Badigar | Faculty | Female | vani@rrce.org | 9916393828 |

| Name | Type | Gender | Email | Contact |
|--------------------|---------|--------|-------------------------|------------|
| Mitha Jitha Manasa | Student | Female | jithamanasa24@gmail.com | 7989996978 |

| | | | | | | | | | | | | | | | | | |
|---|--------------------|--------------------|---------------|--------------------------------------|-----------------|--|--|--------------------------------|---|------|----|--------------------|------|-----------------------------|--|------------------------|------|
| 6 | Smart Wi-Fi Panzer | Product Innovation | Technological | Rajarajeswari College of Engineering | Student-Faculty | TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype). | TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype). | Innovation Development Ongoing | Agency Name | Ilsc | No | Grant Amount in Rs | 1000 | Loan/Investment Agency Name | | Amount Received in Rs. | 1000 |
| | | | | | | Agency Type | Govt. Agency (Central) | | Agency Type | | | | | | | | |
| | | | | | | Award / Position / Recognition Secured | Fund Received | | Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees) | | | | | | | | |
| | | | | | | | | | Date of Investment Raised | | | | | | | | |

| Name | Type | Gender | Email | Contact |
|-----------------------|---------|--------|-------------------|------------|
| Prof. Pavan Kumar K R | Faculty | Male | pvakumar@rrce.org | 9538481962 |

| Name | Type | Gender | Email | Contact |
|-------|---------|--------|----------------------|------------|
| Mohan | Student | Male | mohanmay05@gmail.com | 7259826806 |

| | | | | | | | | | | | | | | | |
|---|---|--------------------|---------------|--------------------------------------|-----------------|--|--|----------------------------------|---|-------------------------------------|---|----|----------------------------|----|--------------------------------|
| 7 | Smart cane for visually Impaired people | Product Innovation | Technological | Rajarajeswari College of Engineering | Student-Faculty | TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype). | TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype). | Innovation Development Completed | Agency Name Karnataka state for Science and Technology | Agency Type Govt. Agency (State) | Award / Position / Recognition Secured fund received | No | Grant Amount in Rs 6000 | No | Amount Received in Rs. 6000 |
|---|---|--------------------|---------------|--------------------------------------|-----------------|--|--|----------------------------------|---|-------------------------------------|---|----|----------------------------|----|--------------------------------|

| Name | Type | Gender | Email | Contact |
|----------------|---------|--------|-------------------|------------|
| Prof. Prutha G | Faculty | Female | pruthagg@rrce.org | 9036663802 |

| Name | Type | Gender | Email | Contact |
|-------|---------|--------|----------------------|------------|
| Mohan | Student | Male | mohanmay05@gmail.com | 7259826806 |

| | | | | | | | | | | | | | | | |
|---|---|--------------------|---------------|--------------------------------------|-----------------|--|--|--------------------------------|--|-------------------------------------|---|----|----------------------------|----|--------------------------------|
| 8 | Design and development of wireless sensor network based monitoring system to strenght and life time of Bridges and Flyovers | Product Innovation | Technological | Rajarajeswari College of Engineering | Student-Faculty | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype). | Innovation Development Ongoing | Agency Name Karnataka state centre for science and Technology | Agency Type Govt. Agency (State) | Award / Position / Recognition Secured fund received | No | Grant Amount in Rs 4500 | No | Amount Received in Rs. 4500 |
|---|---|--------------------|---------------|--------------------------------------|-----------------|--|--|--------------------------------|--|-------------------------------------|---|----|----------------------------|----|--------------------------------|

| Name | Type | Gender | Email | Contact |
|------------------|---------|--------|-----------------------------|------------|
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| Name | Type | Gender | Email | Contact |
|---------------|---------|--------|-----------------------|------------|
| Sushmitha H B | Student | Female | sushchan678@gmail.com | 9060745746 |

| | | | | | | | | | | | | | | | |
|---|---------------------------------------|--------------------|---------------|---------------------------------------|-----------------|--|---|--------------------------------|--|-------------------------------------|---|----|----------------------------|----|--------------------------------|
| 9 | Smart traffic Control Baricade System | Product Innovation | Technological | Rajarajeshwari College of Engineering | Student-Faculty | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing | Agency Name Karnataka state centre for science and technology | Agency Type Govt. Agency (State) | Award / Position / Recognition Secured Fund Received | No | Grant Amount in Rs 3500 | No | Amount Received in Rs. 3500 |
|---|---------------------------------------|--------------------|---------------|---------------------------------------|-----------------|--|---|--------------------------------|--|-------------------------------------|---|----|----------------------------|----|--------------------------------|

| Name | Type | Gender | Email | Contact |
|-------------------------|---------|--------|-----------------------------|------------|
| Mrs Ashwini R Malipatil | Faculty | Female | patilashwini.cs10@gmail.com | 9900978935 |

| Name | Type | Gender | Email | Contact |
|------------|---------|--------|--------------------------|------------|
| Divyashree | Student | Female | divyagowda2263@gmail.com | 8310904478 |

| | | | | | | | | | | | | | | | |
|----|--|--------------------|---------------|--------------------------------------|-----------------|--|---|--------------------------------|---|--------------------------------------|--|----|------|----|------|
| 10 | Machine Learning Based Feature extraction methods for Estimation of Drivers Drowsiness | Product Innovation | Technological | Rajarajeswari College of Engineering | Student-Faculty | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing | Agency Name Visvaswarya Technological University | Agency Type Educational Institute | Award / Position / Recognition Secured Funds Received | No | 5000 | No | 5000 |
|----|--|--------------------|---------------|--------------------------------------|-----------------|--|---|--------------------------------|---|--------------------------------------|--|----|------|----|------|

| Name | Type | Gender | Email | Contact |
|----------------|---------|--------|---------------------|------------|
| Dr J Amutharaj | Faculty | Male | amutharaj@yahoo.com | 9742738238 |

| Name | Type | Gender | Email | Contact |
|------------|---------|--------|--------------------------|------------|
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| | | | | | | | | | | | | | | | |
|----|--|--------------------|---------------|--------------------------------------|-----------------|--|---|--------------------------------|---|--------------------------------------|--|----|------|----|------|
| 11 | Multi Grid Face filed sink tumor segmentation in 3-D altrasound Images | Product Innovation | Technological | Rajarajeswari College of Engineering | Student-Faculty | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | Innovation Development Ongoing | Agency Name Visvaswarya Technological University | Agency Type Educational Institute | Award / Position / Recognition Secured Funds Received | No | 5000 | No | 5000 |
|----|--|--------------------|---------------|--------------------------------------|-----------------|--|---|--------------------------------|---|--------------------------------------|--|----|------|----|------|

| Name | Type | Gender | Email | Contact |
|------------|---------|--------|---------------------|------------|
| Mrs Veda D | Faculty | Female | vedagowda@gmail.com | 9880978689 |

| Name | | Type | | Gender | | Email | | Contact | | | | | |
|--------------------------------------|--|--|---------------|--------------------------------------|-----------------|--|---|--------------------------------|--|----|----------------------------|----|--------------------------------|
| Shradha Bhat | | Student | | Female | | shraddha262370@gmail.com | | 9449617620 | | | | | |
| 12 | Virtual eye an intelligent assistant for blind | Product Innovation | Technological | Rajarajeswari College of Engineering | Student-Faculty | TRL 0 : Idea. Unproven concept, no testing has been performed. | TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype"). | Innovation Development Ongoing | Agency Name Visvearaya Technical University | No | Grant Amount in Rs 5000 | No | Amount Received in Rs. 5000 |
| Agency Type Educational Institute | | Award / Position / Recognition Secured | | Fund Received | | | | | | | | | |
| Name | | Type | | Gender | | Email | | Contact | | | | | |
| Mrs Neha Singhal | | Faculty | | Female | | nehacopo@gmail.com | | 9343559901 | | | | | |
| Name | | Type | | Gender | | Email | | Contact | | | | | |
| Arpitha | | Student | | Female | | arpithajai1999@gmail.com | | 9739817305 | | | | | |

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

No Data Filled!

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 | Karnataka State centre for Science and Technology | Govt. Agency (State) | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 4 | 31-01-2020 |
| 2 | Visvearaya Technical University | Govt. Agency (State) | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 2 | 02-01-2020 |
| 3 | Co-Incubation Partnership | Educational Institute | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Incubation | 1 | 04-03-2020 |
| 4 | Ppongu Ventures Pvt Ltd. | Non-Govt. Agencies | Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities | Mentoring | 8 | 10-01-2019 |

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 | An Intelligent Helmet System for collision Avoidance by Alerting the two Wheeler Rider | 201941045724 | National | 2019 - 11 | Uploaded |
| 2 | Cryptographic Security of Data Transfers in Computer Systems | 202041005154 | National | 2020 - 02 | NA |
| 3 | An Apparatus for Detection of GAS Leakage | 201941003789 | National | 2020 - 01 | Uploaded |
| 4 | System for Remote Monitoring of hazardous & Flammable Substances in Chemistry Industry Using IoT Sensors | 202041002371 | National | 2020 - 01 | Uploaded |
| 5 | Cryptographic Security of Data Transfers in Computer Systems | 202041005154 | National | 2020 - 02 | NA |
| 6 | Sub-assembly for flat plate solar collector | 326181001 | National | 2020 - 01 | Uploaded |
| 7 | Parabolic trough collector with rotating absorber tube | 201941040999 | National | 2019 - 10 | Uploaded |