



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

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

Institute Name: Kuriakose Elias College, Mannanam, Kottayam-686 561 [ARI-C-11620]

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

| Department / Center / Unit Name                  | Type of Department / Center / Unit                               | Mention the Stream / Discipline / Sector of focus | Department / Center / Unit Level | Program Type  | Student / Beneficiary Strength (2019-20) | Academic Staff Strength (2019-20) | Non-academic Staff Strength (2019-20) |
|--|--|---|----------------------------------|---------------|--|-----------------------------------|---------------------------------------|
| Physics  | Research Unit / Park   | Physics   | UG / PG / PhD                    | Non-Technical | 6  | 6                                 | 2                                     |
| Chemistry  | Research Unit / Park   | Chemistry   | UG / PG / PhD                    | Non-Technical | 6  | 9                                 | 2                                     |
| Economics  | Research Unit / Park   | Economics   | UG / PG / PhD                    | Non-Technical | 2  | 4                                 | 0                                     |
| Botany   | Academic Department with lab facility                            | Botany  | UG / PG / PhD                    | Non-Technical | 114                                      | 9                                 | 2                                     |
| Zoology  | Academic Department with lab facility                            | Zoology   | UG / PG / PhD                    | Non-Technical | 100                                      | 3                                 | 1                                     |
| Physics  | Academic Department with lab facility                            | Physics   | UG / PG / PhD                    | Non-Technical | 126                                      | 6                                 | 2                                     |
| Chemistry  | Academic Department with lab facility                            | Chemistry   | UG / PG / PhD                    | Non-Technical | 121                                      | 7                                 | 2                                     |
| Physics(Applied Electronics)                     | Academic Department with lab facility                            | Applied Electronics                               | UG / PG / PhD                    | Non-Technical | 38                                       | 4                                 | 0                                     |
| IPR Cell   | IPR Cell / Patent Facilitation Unit / Technology Transfer Centre |   | UG / PG / PhD                    | Non-Technical | 2123                                     | 132                               | 25                                    |
| Innovation and Entrepreneurship Development Cell | Pre-incubation unit  | Multidisciplinary                                 | At all level                     | Both          | 2123                                     | 132                               | 25                                    |
| Commerce   | Academic Department with lab facility                            | Commerce  | UG / PG / PhD                    | Non-Technical | 431                                      | 23                                | 0                                     |
| Computer Application                             | Academic Department with lab facility                            | Computer Application                              | UG / PG / PhD                    | Non-Technical | 74                                       | 6                                 | 0                                     |
| Statistics                                       | Academic Department with lab facility                            | Statistics  | UG / PG / PhD                    | Non-Technical | 29                                       | 6                                 | 0                                     |
| Psychology                                       | Academic Department with lab facility                            | Psychology  | At all level                     | Non-Technical | 223                                      | 11                                | 0                                     |

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

| Programs/Initiatives                                       | Status | Registration ID |
|--|--------|-----------------|
| Adopted National Innovation and Start-up Policy at the HEI | Yes    | Not Required    |

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

|  |     |                                   |
|--|-----|-----------------------------------|
| Establishment of Institution's Innovation Council (IIC) at HEI   | Yes | IIC Registration ID : ARI-C-11620 |
| Trained Innovation Ambassadors at HEI  | Yes | Not Required                      |
| Participation in Smart India Hackathon (SIH)   | No  | 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)  | No  | Not Required                      |

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

| Srno | Name of Program (Full Name)              | Program Theme             | Program Type | Program Category        | Organizing Department / Centre / Student Body Name               | Program Start Date  | Program End Date    | Program Duration(in Days) | Program Location | Internal Participants (Student) | Internal Participants (Faculty) | External Participants (Student) | External Participants (Faculty) | Total Number of Participants | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research? |
|------|--|---------------------------|--------------|-------------------------|--|---------------------|---------------------|---------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|---|--|
| 1    | LED Bulb Assembling workshop             | Entrepreneurship/ Startup | Workshop     | Institute Lead Activity | Department of Physics with specialization in Applied Electronics | 04-02-2020 00:00:00 | 04-02-2020 00:00:00 | 1                         | Outside Campus   | 0                               | 1                               | 35                              | 2                               | 38                           | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5673                         | No   |
| 2    | Hand sanitizer making                    | Entrepreneurship/ Startup | Training     | Institute Lead Activity | Chemistry  | 02-03-2020 00:00:00 | 02-03-2020 00:00:00 | 1                         | Outside Campus   | 0                               | 2                               | 40                              | 0                               | 42                           | No  | No   |
| 3    | Entrepreneurship in Bee Keeping          | Entrepreneurship/ Startup | Awareness    | Institute Lead Activity | Department of Botany   | 19-10-2019 00:00:00 | 19-10-2019 00:00:00 | 1                         | Outside Campus   | 0                               | 1                               | 19                              | 0                               | 20                           | No  | No   |
| 4    | Training on Foreign Currency Dealings    | Innovation                | Ideation     | Institute Lead Activity | Department of History  | 07-10-2019 00:00:00 | 07-10-2019 00:00:00 | 1                         | Outside Campus   | 0                               | 1                               | 3                               | 0                               | 4                            | No  | No   |
| 5    | Intellectual Property Rights             | IPR                       | Seminar      | Institute Lead Activity | Intellectual Property Rights Cell                                | 02-03-2020 00:00:00 | 02-03-2020 00:00:00 | 1                         | Within Campus    | 300                             | 50                              | 50                              | 5                               | 405                          | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1500                         | No   |
| 6    | Copyright and Patent; Indian Perspective | IPR                       | Seminar      | Institute Lead Activity | Intellectual Property Rights Cell                                | 07-03-2020 00:00:00 | 07-03-2020 00:00:00 | 1                         | Within Campus    | 100                             | 25                              | 20                              | 5                               | 150                          | No  | No   |
| 7    | Keys to successful entrepreneur          | Entrepreneurship/ Startup | Awareness    | Institute Lead Activity | Entrepreneurship Development Club                                | 27-06-2019 00:00:00 | 27-06-2019 00:00:00 | 1                         | Within Campus    | 500                             | 25                              | 40                              | 0                               | 565                          | No  | No   |

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

|    |  |                                      |                     |                         |                                   |                     |                     |   |                |      |    |     |   |      |  |       |  |                            |
|----|--|--------------------------------------|---------------------|-------------------------|-----------------------------------|---------------------|---------------------|---|----------------|------|----|-----|---|------|--|-------|--|----------------------------|
| 8  | Christmas card making contest                                    | Innovation                           | Innovation Contest  | Institute Lead Activity | Entrepreneurship Development Club | 20-12-2019 00:00:00 | 20-12-2019 00:00:00 | 1 | Within Campus  | 50   | 3  | 0   | 0 | 53   | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 1000  | Award / Position / Recognition Secured                         | 1st Prize                  |
|    |  |                                      |                     |                         |                                   |                     |                     |   |                |      |    |     |   |      |  |       | Title of Innovation / Start-up Secured the Award / Recognition | Best innovative Card maker |
|    |  |                                      |                     |                         |                                   |                     |                     |   |                |      |    |     |   |      |  |       | Award/Recognition/Achievement Received for                     | Idea/Innovation/Prototype  |
| 9  | Tea Factory Visit  | Entrepreneurship/Startup             | Exposure visit      | Institute Lead Activity | Entrepreneurship Development Club | 19-02-2020 00:00:00 | 19-02-2020 00:00:00 | 1 | Outside Campus | 38   | 2  | 0   | 0 | 40   | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 20000 | No   |                            |
| 10 | Impact of Covid 19 on MSME Sector                                | Entrepreneurship/Startup             | Awareness           | Institute Lead Activity | Entrepreneurship Development Club | 05-02-2020 00:00:00 | 05-02-2020 00:00:00 | 1 | Within Campus  | 1072 | 0  | 0   | 0 | 1072 | No   |       | No   |                            |
| 11 | HUMAN RIGHTS AND INTELLECTUAL PROPERTY RIGHTS                    | IPR                                  | Seminar             | Institute Lead Activity | Department of English             | 18-02-2020 00:00:00 | 18-02-2020 00:00:00 | 1 | Within Campus  | 120  | 6  | 15  | 5 | 146  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 53500 | No   |                            |
| 12 | CYBER FORENSICS AND INTELLECTUAL PROPERTY RIGHTS IN CYBER SPACE' | IPR                                  | Orientation Session | Institute Lead Activity | Statistics                        | 29-08-2019 00:00:00 | 29-08-2019 00:00:00 | 1 | Within Campus  | 100  | 10 | 40  | 5 | 155  | No   |       | No   |                            |
| 13 | Best Management Team   | Entrepreneurship/Startup, Innovation | B-Plan Competitions | Student Lead Activity   | Commerce Association              | 18-01-2020 00:00:00 | 18-01-2020 00:00:00 | 1 | Within Campus  | 180  | 9  | 400 | 4 | 593  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 26000 | Award / Position / Recognition Secured                         | Best Management Team       |
|    |  |                                      |                     |                         |                                   |                     |                     |   |                |      |    |     |   |      |  |       | Title of Innovation / Start-up Secured the Award / Recognition | Best Management Team       |
|    |  |                                      |                     |                         |                                   |                     |                     |   |                |      |    |     |   |      |  |       | Award/Recognition/Achievement Received for                     |                            |

**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  | Design for Kerala   | Innovation               | Workshop           | Kerala Development Innovation and Strategic Council | Govt. Agency (State)             | 31-01-2020 00:00:00 | 31-01-2020 00:00:00 | 1                         | 0                       | 1                      | 1                            | No                               | ---                                    | ---  | No  | No  |  |                                       |  |                                       |  |                           |
| 2  | Industry Visit  | Entrepreneurship/Startup | Exposure visit     | Sahya co-operative Tea factory                      | Corporate / Industry Association | 19-02-2020 00:00:00 | 19-02-2020 00:00:00 | 1                         | 36                      | 2                      | 38                           | No                               | ---                                    | ---  | No  | No  |  |                                       |  |                                       |  |                           |
| 3  | Industry Leadership Development   | Entrepreneurship/Startup | Skill development  | Venus International Foundation                      | Non-Govt. Agencies               | 02-11-2019 00:00:00 | 02-11-2019 00:00:00 | 1                         | 0                       | 1                      | 1                            | Yes                              | Industry Leadership Development Award  | Industry Leadership Development Award                          | No  | <table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Industry Leadership Development Award</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Industry Leadership Development Award</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table> | Award / Position / Recognition Secured | Industry Leadership Development Award | Title of Innovation / Start-up Secured the Award / Recognition | Industry Leadership Development Award | Award/Recognition/Achievement Received for | Novel Research Paper/Work |
| Award / Position / Recognition Secured                         | Industry Leadership Development Award   |                          |                    |   |                                  |                     |                     |                           |                         |                        |                              |                                  |  |  |   |   |  |                                       |  |                                       |  |                           |
| Title of Innovation / Start-up Secured the Award / Recognition | Industry Leadership Development Award   |                          |                    |   |                                  |                     |                     |                           |                         |                        |                              |                                  |  |  |   |   |  |                                       |  |                                       |  |                           |
| Award/Recognition/Achievement Received for                     | Novel Research Paper/Work   |                          |                    |   |                                  |                     |                     |                           |                         |                        |                              |                                  |  |  |   |   |  |                                       |  |                                       |  |                           |
| 4  | Young Innovators Programme  | Entrepreneurship/Startup | Innovation Contest | Kerala Startup Mission                              | Govt. Agency (State)             | 01-11-2019 00:00:00 | 31-12-2019 00:00:00 | 61                        | 59                      | 14                     | 73                           | No                               | ---                                    | ---  | No  | No  |  |                                       |  |                                       |  |                           |
| 5  | All Kerala Physifest CALLISTO   | Entrepreneurship/Startup | Innovation Contest | Baselius College, Kottayam                          | Educational Institute            | 25-01-2020 00:00:00 | 25-01-2020 00:00:00 | 1                         | 0                       | 1                      | 1                            | No                               | ---                                    | ---  | No  | No  |  |                                       |  |                                       |  |                           |
| 6  | 3 Days International Workshop on Medical Imaging and Nanotechnology-latest trends | Innovation               | Workshop           | Mahatma Gandhi University, Kottayam                 | Educational Institute            | 09-01-2020 00:00:00 | 11-01-2020 00:00:00 | 3                         | 2                       | 1                      | 3                            | No                               | ---                                    | ---  | No  | No  |  |                                       |  |                                       |  |                           |

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

|   |   |            |          |                          |                       |                     |                     |   |   |   |   |    |     |     |    |    |
|---|---|------------|----------|--------------------------|-----------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|----|----|
| 7 | 3 days International Workshop on catalysis and Applications | Innovation | Workshop | Mahtma Gandhi University | Educational Institute | 28-01-2020 00:00:00 | 30-01-2020 00:00:00 | 3 | 2 | 1 | 3 | No | --- | --- | No | No |
|---|---|------------|----------|--------------------------|-----------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|----|----|

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

| Srno | Title of Course/Subject Offered                     | Program Theme                        | Type of Course              | Course Offering Department/Centre/Unit Name | Level of Course | Program Start Date | Program End Date | Program Duration(in Days) | Mode of Delivery | Total Numbers of Participants | Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours) |
|------|---|--------------------------------------|-----------------------------|---|-----------------|--------------------|------------------|---------------------------|------------------|-------------------------------|--|
| 1    | Entrepreneurship Development and Project Management | Entrepreneurship/Startup             | Elective/Core Credit Course | Credit Course (Compulsory)                  | Commerce        | 03-06-2019         | 31-05-2020       | 364                       | Offline          | 200                           | 108  |
| 2    | Copyright Law                                       | IPR                                  | Elective/Core Credit Course | Credit Course (Compulsory)                  | History         | 02-12-2019         | 31-03-2020       | 121                       | Offline          | 18                            | 90   |
| 3    | Book Production and Management                      | Entrepreneurship/Startup             | Elective/Core Credit Course | Credit Course (Compulsory)                  | History         | 02-12-2019         | 31-03-2020       | 121                       | Offline          | 18                            | 90   |
| 4    | Decorative Arts                                     | Entrepreneurship/Startup             | Short term Course           | Short Term Certificate Course               | Botany          | 02-12-2019         | 31-03-2020       | 121                       | Offline          | 30                            | 30   |
| 5    | Agri-based Micro enterprises                        | Entrepreneurship/Startup             | Elective/Core Credit Course | Credit Course (Elective)                    | Botany          | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 30                            | 90   |
| 6    | Occupational Zoology                                | Entrepreneurship/Startup             | Elective/Core Credit Course | Credit Course (Compulsory)                  | Zoology         | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 36                            | 54   |
| 7    | Electrical Equipment Maintenance                    | Entrepreneurship/Startup, Innovation | Short term Course           | Short Term Certificate Course               | Physics         | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 32                            | 30   |
| 8    | Computerized Accounting                             | Entrepreneurship/Startup             | Short term Course           | Short Term Certificate Course               | Commerce        | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 18                            | 30   |
| 9    | Water Analysis                                      | Innovation                           | Short term Course           | Short Term Certificate Course               | Chemistry       | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 25                            | 30   |
| 10   | Vermi-Composting                                    | Entrepreneurship/Startup, Innovation | Short term Course           | Short Term Certificate Course               | Zoology         | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 25                            | 30   |
| 11   | Graphic Design                                      | Entrepreneurship/Startup             | Short term Course           | Short Term Certificate Course               | Mathematics     | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 24                            | 30   |
| 12   | Direct Taxes-Law and practice                       | Entrepreneurship/Startup             | Elective/Core Credit Course | Credit Course (Elective)                    | Commerce        | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 19                            | 90   |
| 13   | Principles and Methodology of Publishing Science    | IPR, Entrepreneurship/Startup        | Elective/Core Credit Course | Credit Course (Compulsory)                  | History         | 03-06-2019         | 29-11-2019       | 180                       | Offline          | 20                            | 90   |

**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 | Grow Bags from Used Flex         | Entrepreneurship/Startup | Employment Generation Training Programs | National Service Scheme             | 16-12-2019 | 21-12-2019 | 6   | Offline | 200 | 30 |
| 2 | Cake making                      | Entrepreneurship/Startup | Employment Generation Training Programs | Women Cell                          | 14-02-2020 | 20-02-2020 | 7   | Offline | 150 | 32 |
| 3 | Electrical Equipment Maintenance | Entrepreneurship/Startup | Employment Generation Training Programs | Department of Physics               | 14-11-2019 | 31-03-2020 | 139 | Offline | 30  | 30 |
| 4 | Graphic Design                   | Entrepreneurship/Startup | Employment Generation Training Programs | Department of Mathematics           | 09-09-2019 | 20-12-2019 | 103 | Offline | 30  | 30 |
| 5 | Basic Counselling Skills         | Innovation               | Employment Generation Training Programs | Department of Psychology            | 16-09-2019 | 20-12-2019 | 96  | Offline | 29  | 30 |
| 6 | Programming in Python            | Entrepreneurship/Startup | Employment Generation Training Programs | Department of Computer Applications | 16-09-2019 | 20-12-2019 | 96  | Offline | 25  | 30 |

**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 |                |                        |                      |                     |                   |                             |
|------|------------------|---------------------------------|---------------------|--|-------------------------------|--|----------------|------------------------|----------------------|---------------------|-------------------|-----------------------------|
|      |                  |                                 |                     | Highest degree name in I&E and IPR                 | Degree Type                   |  |                |                        |                      |                     |                   |                             |
| 1    | Vinu J George    | Department of Political Science | Assistant Professor | PhD  | PhD                           | No   |                |                        |                      |                     |                   |                             |
| 2    | Rony George      | Commerce                        | Assistant Professor | Open Learning Diploma in Business Entrepreneurship | Diploma                       | No   |                |                        |                      |                     |                   |                             |
| 3    | Harikrishnan K R | Commerce                        | 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) |
|      |                  |                                 |                     | Direct Tax-Law and Practice                        | IPR, Entrepreneurship/Startup | Short term Certificate   | SWAYAM         | Govt. Agency (Central) | 13-01-2020 00:00:00  | 10-05-2020 00:00:00 | 119               | Online                      |
| 4    | Pratheesh C      | Commerce                        | Assistant Professor | No   |                               | Yes  |                |                        |                      |                     |                   |                             |

|    |   |                          |                        |  |                             |                            |                          |                                    |                         |
|----|---|--------------------------|------------------------|--|-----------------------------|----------------------------|--------------------------|------------------------------------|-------------------------|
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |
|    | -Introduction to Marketing Essentials                           | Entrepreneurship/Startup | Short term Certificate | IIM, Bangalore, SWAYAM   | Govt. Agency (Central)      | 20-01-2020 00:00:00        | 30-11-2020 00:00:00      | 316                                | Online                  |
| 5  | Jesty Thomas  | Chemistry                |                        | Assistant Professor  |                             | No                         |                          | Yes                                |                         |
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |
|    | Nanotechnology: A Maker's Course                                | Innovation               | Short term Certificate | Duke University, North Carolina State University and The University of North Carolina at Chapel Hill | Govt. Agency (Central)      | 01-04-2020 00:00:00        | 15-05-2020 00:00:00      | 45                                 | Online                  |
| 6  | Sunu Ann Thomas   | Electronics              |                        | Assistant Professor  |                             | No                         |                          | Yes                                |                         |
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |
|    | NPTEL Online Certification in Digital Electronic Circuits       | Innovation               | Short term Certificate | NPTEL  | Govt. Agency (Central)      | 27-01-2020 00:00:00        | 22-04-2020 00:00:00      | 87                                 | Online                  |
| 7  | Jaiby Joseph  | Physics                  |                        | Assistant Professor  |                             | No                         |                          | Yes                                |                         |
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |
| 8  | Ranjini Radhakrishnan   | Physics                  |                        | Assistant Professor  |                             | No                         |                          | Yes                                |                         |
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |
|    | Citation Network Analysis and Exploratory Data Analysis using R | Innovation               | Short term Certificate | Human Resource Development Centre,   | Govt. Agency (State)        | 18-02-2020 00:00:00        | 02-03-2020 00:00:00      | 14                                 | Offline                 |
| 9  | Midhila Baby  | Botany                   |                        | Assistant Professor  |                             | No                         |                          | Yes                                |                         |
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |
|    | Real Time PCR-Technology  | Innovation               | Short term Certificate | Department of Biotechnology  | Govt. Agency (Central)      | 15-07-2019 00:00:00        | 31-07-2019 00:00:00      | 17                                 | Offline                 |
| 10 | Harikrishnan K R  | Department of Commerce   |                        | Assistant Professor  |                             | No                         |                          | Yes                                |                         |
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |
|    | Research Methodology  | Innovation               | Short term Certificate | SWAYAM   | Govt. Agency (Central)      | 06-01-2020 00:00:00        | 17-04-2020 00:00:00      | 103                                | Online                  |
| 11 | Prajod Sunny  | Department of Commerce   |                        | Assistant Professor  |                             | No                         |                          | Yes                                |                         |
|    | <b>Training Name</b>  | <b>Training Theme</b>    | <b>Type of Course</b>  | <b>Training Agency Name</b>  | <b>Training Agency Type</b> | <b>Training Start Date</b> | <b>Training End Date</b> | <b>Training Duration (in Days)</b> | <b>Mode of Delivery</b> |

|    |                  |                        |                     |                      |                      |                     |                   |                             |                  |
|----|------------------|------------------------|---------------------|----------------------|----------------------|---------------------|-------------------|-----------------------------|------------------|
| 12 | Prajod Sunny     | Department of Commerce | 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 |
| 13 | Mercy Mathews    | Physics                | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 14 | Dhannya P Joseph | Statistics             | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 15 | Litty Joseph     | Physics                | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 16 | Tincy Mathew     | Computer Applications  | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 17 | Anitta T Manuel  | Computer Applications  | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 18 | Jasmin Joseph    | Computer Applications  | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 19 | Ann Maria Jose   | Computer Applications  | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 20 | Nisha Maria E G  | Zoology                | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 21 | Sr. Jessy Joseph | Zoology                | Assistant Professor | No                   | No                   |                     |                   |                             |                  |
| 22 | Shilpa Joy       | Chemistry              | Assistant Professor | No                   | No                   |                     |                   |                             |                  |

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

| Srno | Name of Student Club              | Type of Club    | Year of Establishment | Type of Facilities Available at the Club | Student Club with Access to Other I&E Facilities at the HEI | No of Programs/Activities Organized by the Student Club During the AY 2019-20 | Student Club Team Lead Name | Student Club Team Lead Email | Student Club Team Lead Phone |
|------|-----------------------------------|-----------------|-----------------------|--|---|---|-----------------------------|------------------------------|------------------------------|
| 1    | Entrepreneurship Development Club | Idea Club       | 2016                  | Co-working Space                         | Pre-Incubation Unit,IPR Cell/Technology Transfer Centre     | 5   | Anju Salim George           | anjusalimgeorge55@gmail.com  | 9847963084                   |
| 2    | Young Innovators Program          | Innovation Club | 2019                  | Co-working Space                         | Pre-Incubation Unit,IPR Cell/Technology Transfer Centre     | 1   | Jobin Sunny                 | jobinsunny77@gmail.com       | 7025175265                   |

**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 Development and implementation during the Financial Year 2019-20 | Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities? |
|------|-------------------------------|------------------|-----------------------|--|---|---|------------------|---|---|--|--|
|------|-------------------------------|------------------|-----------------------|--|---|---|------------------|---|---|--|--|



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

|                         |                                   |                   |      |                                    |   |   |  |                        |              |   |                        |                         |            |   |     |    |     |
|-------------------------|-----------------------------------|-------------------|------|------------------------------------|---|---|--|------------------------|--------------|---|------------------------|-------------------------|------------|---|-----|----|-----|
| 1                       | Entrepreneurship Development Club | EDC               | 2016 | Co-working Space                   | Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs | Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Divya Joseph</td> </tr> <tr> <td>Facility Incharge Email</td> <td>divyaj@kecollege.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7025673286</td> </tr> </table> | Facility Incharge Name | Divya Joseph | Facility Incharge Email   | divyaj@kecollege.ac.in | Facility Incharge Phone | 7025673286 | 4 | Yes | No | Yes |
| Facility Incharge Name  | Divya Joseph                      |                   |      |                                    |   |   |  |                        |              |   |                        |                         |            |   |     |    |     |
| Facility Incharge Email | divyaj@kecollege.ac.in            |                   |      |                                    |   |   |  |                        |              |   |                        |                         |            |   |     |    |     |
| Facility Incharge Phone | 7025673286                        |                   |      |                                    |   |   |  |                        |              |   |                        |                         |            |   |     |    |     |
| Source of Grant / Fund  |                                   |                   |      | Agency Name                        |   |   |  | Agency Type            |              | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) |                        |                         |            |   |     |    |     |
| Funding Agency          |                                   |                   |      | District Industry Center           |   |   |  | Govt. Agency (State)   |              | 10000   |                        |                         |            |   |     |    |     |
| 2                       | Encon Club                        | Innovation Centre | 2005 | None                               | Student Clubs   | Student Clubs   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Aparna Raj</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajaparana@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9747280286</td> </tr> </table>     | Facility Incharge Name | Aparna Raj   | Facility Incharge Email   | rajaparana@gmail.com   | Facility Incharge Phone | 9747280286 | 2 | No  | No | Yes |
| Facility Incharge Name  | Aparna Raj                        |                   |      |                                    |   |   |  |                        |              |   |                        |                         |            |   |     |    |     |
| Facility Incharge Email | rajaparana@gmail.com              |                   |      |                                    |   |   |  |                        |              |   |                        |                         |            |   |     |    |     |
| Facility Incharge Phone | 9747280286                        |                   |      |                                    |   |   |  |                        |              |   |                        |                         |            |   |     |    |     |
| Source of Grant / Fund  |                                   |                   |      | Agency Name                        |   |   |  | Agency Type            |              | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees) |                        |                         |            |   |     |    |     |
| Funding Agency          |                                   |                   |      | Bharat Petroleum Cochin Refineries |   |   |  | Govt. Agency (Central) |              | 6750  |                        |                         |            |   |     |    |     |

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

**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 | Name of the Funding Schemes Available with IPR | Facility Details | Total Nos of Dedicated Executive/Management team Strength | Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and | 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 |
|------|--|-----------------------|--|--|------------------|---|--|---|--|
|------|--|-----------------------|--|--|------------------|---|--|---|--|

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

|   |               |      | Facilities at the HEI         | Cell/Technology Transfer Centre, if any (Optional) | Engaged at the Facility | implementation during the Financial Year 2019-20? | implementation during the Financial Year 2019-20? |
|---|---------------|------|-------------------------------|--|-------------------------|---|---|
| 1 | IPR Committee | 2018 | Pre-Incubation, Student Clubs |  | 2                       | No  | No  |
|   |               |      |                               |  | Facility Incharge Name  | Jesty Thomas                                      |   |
|   |               |      |                               |  | Facility Incharge Email | jestyk@kecolege.ac.in                             |   |
|   |               |      |                               |  | Facility Incharge Phone | 944779496   |   |

## 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    | Mercy Mathews   | Assistant Professor        | Idea/Innovation Development               | 2  |
|      | Name of Idea/Innovation/ Startup Mentored   |                            | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup)                  |
|      | Plastic Pyrolysis using Fresnel Lens  |                            | Within                                    |  |
| 2    | Litty Joseph  | Assistant Professor        | Idea/Innovation Development               | 1  |
|      | Name of Idea/Innovation/ Startup Mentored   |                            | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup)                  |
|      | Development of nanomaterials for the degradation pollutants like endosulfan under direct sunlight irradiation |                            | Within                                    |  |
| 3    | Nisha Maria E G   | Assistant Professor        | Idea/Innovation Development               | 1  |
|      | Name of Idea/Innovation/ Startup Mentored   |                            | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup)                  |
|      | AGRICULTURE AND ALLIED SECTORS  |                            | Within                                    |  |
| 4    | Tincy Mathew  | Assistant Professor        | Idea/Innovation Development               | 1  |
|      | Name of Idea/Innovation/ Startup Mentored   |                            | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup)                  |
|      | Better Education-Exploit the Difference   |                            | Within                                    |  |
| 5    | Anitta T Manuel   | Assistant Professor        | Idea/Innovation Development               | 3  |
|      | Name of Idea/Innovation/ Startup Mentored   |                            | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup)                  |
|      | Automatic Gate and camera sensor  |                            | Within                                    |  |
| 6    | Jasmin Joseph   | Assistant Professor        | Idea/Innovation Development               | 1  |

**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) |
|----|---|---------------------|---|-----------------------------|
|    | Career Guiding App                                |                     | Within                                    |                             |
| 7  | Ann Maria Jose                                    | Assistant Professor | Idea/Innovation Development               | 1                           |
|    | Name of Idea/Innovation/ Startup Mentored         |                     | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|    | Online KSEB billing and automatic circuit breaker |                     | Within                                    |                             |
| 8  | Ann Maria Jose                                    | Assistant Professor | Idea/Innovation Development               | 1                           |
|    | Name of Idea/Innovation/ Startup Mentored         |                     | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|    | Online Voting                                     |                     | Within                                    |                             |
| 9  | Sr. Jessie Joseph                                 | Assistant Professor | Idea/Innovation Development               | 1                           |
|    | Name of Idea/Innovation/ Startup Mentored         |                     | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|    | EXHAUST INHALER & METAMORPHOSER                   |                     | Within                                    |                             |
| 10 | Dhannya P Joseph                                  | Assistant Professor | Idea/Innovation Development               | 1                           |
|    | Name of Idea/Innovation/ Startup Mentored         |                     | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|    | Post Pandemic Innovations                         |                     | Within                                    |                             |
| 11 | Shilpa Joy  | Assistant Professor | Idea/Innovation Development               | 1                           |
|    | Name of Idea/Innovation/ Startup Mentored         |                     | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|    | Drinking water and water conservation             |                     | Within                                    |                             |

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

| Srno | Name of the External Expert/Agency as Mentor | Mentor Expert Area  |            |  |                        |  | Type of Mentorship      |
|------|--|---|------------|--|------------------------|--|-------------------------|
| 1    | Manjusha M                                   | IPR Protection & Commercialization  |            |  |                        |  | Unstructured Mentorship |
| 2    | K R Chitra                                   | Idea/Innovation Development   |            |  |                        |  | Unstructured Mentorship |
| 3    | Radhakrishnan E K                            | Entrepreneurship/Startup Development  |            |  |                        |  | Unstructured Mentorship |
| 4    | Benny Joseph Thullissery                     | Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization |            |  |                        |  | 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          |
|      | One day workshop                             | 10-02-2020  | 10-02-2020 | 1                                      | 1                      | 75                                     | Innovation/Prototype    |
|      | Seminar on Solar photovoltaics               | 07-02-2020  | 07-02-2020 | 1                                      | 1                      | 74                                     | Idea                    |

**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    | Photocatalytic degradation of organic pollutants under sunlight | Process Innovation | Technological        | Preincubation unit                               | Faculty                             | TRL 3 : Applied research. First laboratory tests completed ; proof of concept.           | TRL 3 : Applied research. First laboratory tests completed ; proof of concept.                  | Innovation Development Ongoing   | No   | No   | No   | No   | No   |              |                        |        |                        |            |
|      |   |                    |                      |  |                                     |  |   |  |  |  |  |  |  | Name         | Type                   | Gender | Email                  | Contact    |
|      |   |                    |                      |  |                                     |  |   |  |  |  |  |  |  | Jesty Thomas | Faculty                | Female | jestyk@kecollege.ac.in | 9447779496 |
| 2    | Money disinfecting Machine                                      | Product Innovation | Technological        | Pre incubation unit                              | External to the Institute/Incubatee | 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   | No   | No   | No   | No   | No   |              |                        |        |                        |            |
|      |   |                    |                      |  |                                     |  |   |  |  |  |  |  |  | Name         | Type                   | Gender | Email                  | Contact    |
|      |   |                    |                      |  |                                     |  |   |  |  |  |  |  |  | Shaji Jacob  | Incubatee Entrepreneur | Male   | jashaji@gmail.com      | 9747878791 |

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

**No Data Filled!**

**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    | Sance Laboratories Private Limited        | Non-Govt. Agencies       | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Pre-incubation,Mentoring,Networking | 110   | 31-10-2019                        |
| 2    | Tropical Institute of Ecological Sciences | Educational Institute    | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Pre-incubation,Mentoring,Networking | 112   | 31-10-2019                        |

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

| Srno | Title/Name of IP(Copyright & Designs Only)                         | Type of IP(Copyright & Designs Only) | IP(Copyright & Designs Only) Registration Number of Copyright/Design | Application Level | Date of Copyright / Design IP Filed/ Published (Year, Month) | Copy of receipt / application screenshot [PDF or Image] | Current Status of IP(Copyright & Designs Only) as on 31st March 2020 | Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society? |
|------|--|--------------------------------------|--|-------------------|--|---|--|--|
| 1    | Poems Foretold- An Anthology of contemporary English Poems         | IPRFiledPublished                    | 9788193956618  | National          | 2020 - 02  | Uploaded  | Published  | No   |
|      | Department/Centre Name<br>English                                  |                                      |  |                   |  |   |  |  |
| 2    | Literature and liberation- Contemporary culture and gender concern | IPRFiledPublished                    | 9781693776250  | National          | 2019 - 07  | Uploaded  | Published  | No   |
|      | Department/Centre Name<br>Department of English                    |                                      |  |                   |  |   |  |  |
| 3    | Money and Financial Markets  | IPRFiledPublished                    | 9789381888216  | National          | 2020 - 01  | Uploaded  | Published  | No   |
|      | Department/Centre Name<br>Department of Commerce                   |                                      |  |                   |  |   |  |  |
| 4    | New Numbers and Letters  | IPRFiledPublished                    | 23208317   | National          | 2019 - 12  | Uploaded  | Published  | No   |
|      | Department/Centre Name<br>K.E College                              |                                      |  |                   |  |   |  |  |

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

## Declaration

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

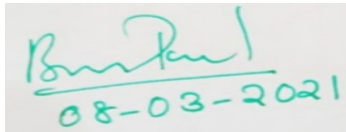
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Brigit Paul (Head of Institute) and Dr. Mercy Mathews (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute

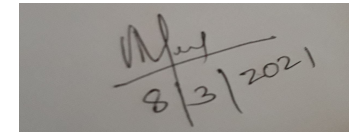


Brigit Paul  
08-03-2021

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Dr. Brigit Paul  
Head of the Institution,  
Kottayam, Kerala

Nodal officer



Mercy Mathews  
8/3/2021

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Dr. Mercy Mathews  
Nodal Officer,  
Kottayam, Kerala