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

Institute Name: JIS COLLEGE OF ENGINEERING [ARI-C-6260]

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

| Department / Center / Unit Name | Type of Department / Center / Unit | Mention the Stream / Discipline / Sector of focus | Department / Center / Unit Level | Program Type | Student / Benificiary Strength (2019-20) | Academic Staff Strength (2019-20) | Non-academic Staff Strength (2019-20) |
|---|---|---|---|---|---|---|---|
| EE | Academic Department with lab facility | Engineering | UG / PG / PhD | Technical | 377 | 32 | 6 |
| CSE | Academic Department with lab facility | Engineering | UG / PG / PhD | Technical | 381 | 32 | 8 |
| BME | Academic Department with lab facility | Engineering | UG / PG / PhD | Technical | 158 | 14 | 4 |
| ME | Academic Department with lab facility | Engineering | UG / PG / PhD | Technical | 382 | 32 | 6 |
| IT | Academic Department with lab facility | Engineering | UG / PG / PhD | Technical | 181 | 14 | 4 |
| CE | Academic Department with lab facility | Engineering | UG / PG / PhD | Technical | 347 | 30 | 6 |
| BSHU | Academic Department with lab facility | Engineering | UG / PG / PhD | Both | 689 | 38 | 8 |
| Institutional Innovation Council | Research Unit / Park | Science and Technology | UG / PG / PhD | Both | 2965 | 216 | 73 |
| PG | Academic Department with lab facility | M Tech | UG / PG / PhD | Technical | 115 | 12 | 4 |
| ECE | Academic Department with lab facility | ENGINEERING | UG / PG / PhD | Technical | 384 | 32 | 6 |

## 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 : IC201810334 |
| 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 | Yes | Not Required |
| Participation in National Education Alliance of Technology (NEAT) | No | Not Required |

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

| Srno | Name of Program (Full Name) | Program Theme | Program Type | Program Category | Organizing Department / Centre / Student Body Name | Program Start Date | Program End Date | Program Duration(in Days) | Program Location | Internal Participants (Student) | Internal Participants (Faculty) | External Participants (Student) | External Participants (Faculty) | Total Number of Participants | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Industry Interactive Innovation in Science, Engineering and Technology (I3SET2019) | IPR | Conference | Institute Lead Activity | JISCE | 13-12-2019 00:00:00 | 14-12-2019 00:00:00 | 2 | Within Campus | 345 | 110 | 45 | 24 | 524 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 758798 | Award / Position / Recognition Secured: BEST PAPER; Title of Innovation / Start-up Secured the Award / Recognition: IDEA PRESENTATION; Award/Recognition/Achievement Received for |
| 2 | Avant-grade theoretical modelling and state of the art experimental techniques in Nano electronic devices | Innovation | Skill development | Institute Lead Activity | BASIC SCIENCE | 10-12-2019 00:00:00 | 13-12-2019 00:00:00 | 4 | Within Campus | 2 | 40 | 5 | 1 | 48 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 532000 | No |
| 3 | Workshop on Internship | Entrepreneurship/Startup | Start-up Conclave | Student Lead Activity | ELECTRONICS AND COMMUNICATION ENGINEERING | 18-04-2019 00:00:00 | 18-04-2019 00:00:00 | 1 | Within Campus | 67 | 8 | 12 | 2 | 89 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 11350 | No |
| 4 | FDP on Digital Pedagogy | Innovation | Skill development | Institute Lead Activity | JISCE | 02-01-2020 00:00:00 | 04-01-2020 00:00:00 | 3 | Within Campus | 0 | 73 | 0 | 9 | 82 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15350 | No |
| 5 | Seminar in fresher Skill Gap Analysis | IPR, Innovation | Skill development | Student Lead Activity | ELECTRICAL ENGINEERING | 21-09-2019 00:00:00 | 21-09-2019 00:00:00 | 1 | Within Campus | 148 | 6 | 30 | 3 | 187 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 12440 | No |

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

| 6 | Student Convention 2K19 | Innovation | Innovation Contest | Student Lead Activity | Mathematics Club | 14-11-2019 00:00:00 | 14-11-2019 00:00:00 | 1 | Within Campus | 78 | 6 | 14 | 2 | 100 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 9800 | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Research Aspects of ECE | IPR | Awareness | Institute Lead Activity | Electronics and Communication Engineering | 20-11-2019 00:00:00 | 20-11-2019 00:00:00 | 1 | Within Campus | 0 | 14 | 0 | 0 | 14 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4460 | No |
| 8 | Workshop on JAVA | Innovation | Skill development | Institute Lead Activity | JISCE | 01-04-2019 00:00:00 | 02-04-2019 00:00:00 | 2 | Outside Campus | 65 | 4 | 11 | 1 | 81 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 8670 | No |
| 9 | Workshop on Android | Innovation | Skill development | Student Lead Activity | JISCE | 02-04-2019 00:00:00 | 03-04-2019 00:00:00 | 2 | Outside Campus | 60 | 5 | 10 | 2 | 77 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 7340 | No |
| 10 | Workshop on MySQL and PHP | Innovation | Skill development | Student Lead Activity | JISCE | 07-04-2019 00:00:00 | 07-04-2019 00:00:00 | 1 | Outside Campus | 45 | 4 | 6 | 1 | 56 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 6450 | No |
| 11 | Workshop on Angular Programming Suite | Innovation | Skill development | Student Lead Activity | JISCE | 04-04-2019 00:00:00 | 06-04-2019 00:00:00 | 3 | Outside Campus | 55 | 4 | 15 | 2 | 76 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 7730 | No |
| 12 | Ethical Hacking using Python | Innovation | Skill development | Student Lead Activity | JISCE | 04-04-2019 00:00:00 | 06-04-2019 00:00:00 | 3 | Outside Campus | 80 | 5 | 11 | 3 | 99 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 9570 | No |

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

| 13 | Workshop on Machine Learning using Python | Innovation | Skill development | Student Lead Activity | JISCE | 03-04-2019 00:00:00 | 03-04-2019 00:00:00 | 1 | Outside Campus | 70 | 5 | 12 | 2 | 89 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 8930 | No | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 14 | Workshop on Python Programming | Innovation | Skill development | Student Lead Activity | JISCE | 08-04-2019 00:00:00 | 09-04-2019 00:00:00 | 2 | Outside Campus | 55 | 3 | 15 | 3 | 76 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 8710 | No | |
| 15 | Conference ICNNEE2019 | IPR | Conference | Institute Lead Activity | ELECTRICAL ENGINEERING | 18-10-2019 00:00:00 | 19-10-2019 00:00:00 | 2 | Within Campus | 94 | 32 | 10 | 5 | 141 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 352700 | Award / Position / Recognition Secured: BEST PAPER; Title of Innovation / Start-up Secured the Award / Recognition: IDEA PRESENTATIOPN; Award/Recognition/Achievement Received for | |
| 16 | Workshop on IoT - Internet of Things | Innovation | Training | Student Lead Activity | Electronics and Communication Engineering | 24-08-2019 00:00:00 | 24-08-2019 00:00:00 | 1 | Within Campus | 42 | 4 | 5 | 1 | 52 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4870 | No | |
| 17 | Innovative Minds- Let your mind write the paper, not your hand | Innovation | Innovation Contest | Student Lead Activity | IIC CELL JISCE | 27-02-2020 00:00:00 | 27-02-2020 00:00:00 | 1 | Within Campus | 65 | 8 | 16 | 4 | 93 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 9440 | Award / Position / Recognition Secured: BEST IDEA; Title of Innovation / Start-up Secured the Award / Recognition: BEST IDEA; Award/Recognition/Achievement Received for: Idea/Innovation/Prototype | |

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

| 18 | Entrepreneurship and Innovation as Career Opportunity | Entrepreneurship/Startup, Innovation | Awareness | Student Lead Activity | IIC CELL JISCE | 13-12-2019 00:00:00 | 13-12-2019 00:00:00 | 1 | Within Campus | 70 | 10 | 15 | 3 | 98 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 9620 | No |
| 19 | How to plan for Start-up and legal and Ethical Steps | Entrepreneurship/Startup | Start-up Conclave | Institute Lead Activity | IIC CELL, JISCE | 13-01-2020 00:00:00 | 13-01-2020 00:00:00 | 1 | Within Campus | 110 | 10 | 29 | 5 | 154 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 12100 | No |
| 20 | Internal Hackathon for SIH2020 | IPR, Innovation | Innovation Contest | Student Lead Activity | Computer Science Engineering | 20-01-2020 00:00:00 | 21-01-2020 00:00:00 | 2 | Within Campus | 240 | 20 | 22 | 4 | 286 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 18300 | No |
| 21 | Workshop on AWARENESS/MENTORING SESSION ON IPR and IP MANAGEMENT | IPR | Workshop | Student Lead Activity | JISCE | 15-01-2020 00:00:00 | 15-01-2020 00:00:00 | 1 | Within Campus | 52 | 4 | 12 | 1 | 69 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5310 | No |
| 22 | Workshop on Entrepreneurship Awareness Camp | Entrepreneurship/Startup | Workshop | Student Lead Activity | IIC | 21-01-2020 00:00:00 | 23-01-2020 00:00:00 | 3 | Within Campus | 65 | 6 | 15 | 2 | 88 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 9480 | No |
| 23 | One-day Workshop Idea Submission in Smart India Hackathon 2020 | Innovation | Hackathon | Student Lead Activity | IIC | 20-01-2020 00:00:00 | 20-01-2020 00:00:00 | 1 | Within Campus | 210 | 10 | 40 | 4 | 264 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 11800 | No |
| 24 | Workshop on IoT by The Electro System | Entrepreneurship/Startup | Workshop | Student Lead Activity | IIC | 29-03-2020 00:00:00 | 29-03-2020 00:00:00 | 1 | Within Campus | 115 | 7 | 18 | 3 | 143 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000 | No |

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

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | "Entrepreneurship Awareness Camp Under DST-NIMAT Project | IPR, Entrepreneurship/Startup | Awareness | Institute Lead Activity | IIC, Electrical Engineering | 10-02-2020 00:00:00 | 11-02-2020 00:00:00 | 2 | Within Campus | 85 | 6 | 16 | 2 | 109 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 8600 | No |
| 26 | Workshop on Electrical Design with Auto CAD & 3D Printing | Entrepreneurship/Startup | Workshop | Student Lead Activity | ELECTRICAL ENGINEERING | 29-03-2020 00:00:00 | 29-03-2020 00:00:00 | 1 | Within Campus | 92 | 7 | 15 | 2 | 116 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000 | No |
| 27 | Workshop on Industrial Automation using PLC AND Automation | IPR, Innovation | Training | Student Lead Activity | ELECTRICAL ENGINEERING | 11-01-2020 00:00:00 | 11-01-2020 00:00:00 | 1 | Within Campus | 84 | 11 | 25 | 4 | 124 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10740 | No |
| 28 | Workshop on DESIGN & INSTALLATION OF SOLAR PV MODULE | IPR, Innovation | Workshop | Student Lead Activity | ELECTRICAL ENGINEERING | 19-01-2020 00:00:00 | 19-01-2020 00:00:00 | 1 | Within Campus | 82 | 8 | 12 | 1 | 103 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 8560 | No |
| 29 | Healthcare Industry, Medical Equipment Manufacturing Company and Domain Specific Research Training | Innovation | Training | Student Lead Activity | BIOMEDICAL ENGINEERING | 10-02-2020 00:00:00 | 11-02-2020 00:00:00 | 2 | Within Campus | 65 | 12 | 12 | 2 | 91 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 7570 | No |
| 30 | Skill development training ITD CEMENTATION | Entrepreneurship/Startup | Training | Student Lead Activity | ITD CEMENTATION | 19-01-2020 00:00:00 | 19-01-2020 00:00:00 | 1 | Within Campus | 35 | 5 | 0 | 0 | 40 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 4320 | No |
| 31 | Skill development training | Innovation | Training | Student Lead Activity | KMDA | 10-02-2020 00:00:00 | 11-02-2020 00:00:00 | 2 | Outside Campus | 39 | 3 | 0 | 0 | 42 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3200 | No |

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

| 32 | Skill development training | Innovation | Training | Student Lead Activity | PWD | 13-01-2020 00:00:00 | 13-01-2020 00:00:00 | 1 | Outside Campus | 43 | 2 | 4 | 0 | 49 | No | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | Skill development training | Innovation | Training | Student Lead Activity | METRO RAIL INDIA | 10-02-2020 00:00:00 | 11-02-2020 00:00:00 | 2 | Outside Campus | 32 | 3 | 0 | 0 | 35 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3230 | No |
| 34 | Workshop on Design and Analysis with SOLIDWORKS and ANSYS | IPR, Innovation | Workshop | Student Lead Activity | MECHANICAL ENGINEERING | 29-03-2020 00:00:00 | 29-03-2020 00:00:00 | 1 | Within Campus | 58 | 2 | 15 | 6 | 81 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000 | No |
| 35 | One-day Workshop on Innovator's Life & Crossroad Motivational Speak | Innovation | Motivational speak | Student Lead Activity | IIC | 25-07-2019 00:00:00 | 25-07-2019 00:00:00 | 1 | Within Campus | 64 | 10 | 12 | 2 | 88 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 8350 | No |
| 36 | Workshop on Entrepreneurship and Innovation as Career Opportunity | Entrepreneurship/ Startup, Innovation | Workshop | Student Lead Activity | IIC | 13-12-2019 00:00:00 | 13-12-2019 00:00:00 | 1 | Within Campus | 57 | 7 | 10 | 1 | 75 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 7670 | No |
| 37 | Workshop on Entrepreneurship and Innovation as Career Opportunity | Innovation | Workshop | Student Lead Activity | IIC | 13-12-2019 00:00:00 | 13-12-2019 00:00:00 | 1 | Within Campus | 58 | 12 | 15 | 4 | 89 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 8600 | No |
| 38 | Workshop on Startup Business | IPR | Workshop | Student Lead Activity | IIC | 25-07-2019 00:00:00 | 25-07-2019 00:00:00 | 1 | Within Campus | 103 | 15 | 20 | 4 | 142 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10820 | No |

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

| 39 | Innovation Day Campaign | Innovation | Awareness | Student Lead Activity | IIC | 15-10-2019 00:00:00 | 15-10-2019 00:00:00 | 1 | Within Campus | 80 | 18 | 22 | 6 | 126 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 11560 | No |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 40 | Workshop on Entrepreneur's view on Block Chain and Ethical Hacking | Entrepreneurship/Startup | Workshop | Student Lead Activity | Science Club | 09-05-2019 00:00:00 | 09-05-2019 00:00:00 | 1 | Within Campus | 80 | 4 | 20 | 3 | 107 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 9740 | No |
| 41 | Skill Development Training on Recent R&D applications of Cloud Computing | Entrepreneurship/Startup | Skill development | Student Lead Activity | Engineering Modeling Club | 25-10-2019 00:00:00 | 25-10-2019 00:00:00 | 1 | Within Campus | 68 | 10 | 10 | 2 | 90 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 8350 | No |
| 42 | Workshop on Advancement of Biomedical Instrumentation and its application for the benefit of mankind | Entrepreneurship/Startup | Workshop | Student Lead Activity | Biomedical Engineering | 26-07-2019 00:00:00 | 26-07-2019 00:00:00 | 1 | Within Campus | 41 | 4 | 14 | 2 | 61 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 3880 | No |
| 43 | Workshop on Unix & Shell Programming | Entrepreneurship/Startup | Workshop | Student Lead Activity | Information Technology | 19-11-2019 00:00:00 | 19-11-2019 00:00:00 | 1 | Within Campus | 80 | 15 | 10 | 2 | 107 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 9840 | No |
| 44 | Workshop on AI/Machine Learning | Innovation | Workshop | Student Lead Activity | Science Club | 13-12-2019 00:00:00 | 13-12-2019 00:00:00 | 1 | Within Campus | 85 | 17 | 25 | 6 | 133 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 8950 | No |

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

| 45 | Skill Development Training on Python Programming | IPR, Innovation | Workshop | Student Lead Activity | Coding Club | 16-12-2019 00:00:00 | 16-12-2019 00:00:00 | 1 | Within Campus | 95 | 23 | 20 | 3 | 141 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 10250 | No |
| 46 | Skill Development Training Cyber Law and Cyber Security | Entrepreneurship/Startup, Innovation | Skill development | Student Lead Activity | COMPUTER SCIENCE ENGINEERING | 29-07-2019 00:00:00 | 29-07-2019 00:00:00 | 1 | Within Campus | 80 | 16 | 15 | 2 | 113 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 8750 | No |
| 47 | Workshop on IoT | IPR, Entrepreneurship/Startup | Workshop | Student Lead Activity | The Electro System | 22-08-2019 00:00:00 | 22-08-2019 00:00:00 | 1 | Within Campus | 89 | 15 | 20 | 4 | 128 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 9450 | No |
| 48 | Skill Development Workshop on Electrical Design with Auto CAD AND 3D Printing | Entrepreneurship/Startup, Innovation | Workshop | Student Lead Activity | Engineering Modeling Club | 19-11-2019 00:00:00 | 19-11-2019 00:00:00 | 1 | Within Campus | 66 | 14 | 24 | 8 | 112 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 7670 | No |
| 49 | Workshop on PLC & AUTOMATION | Innovation | Workshop | Student Lead Activity | ELECTRICAL ENGINEERING | 13-12-2019 00:00:00 | 13-12-2019 00:00:00 | 1 | Within Campus | 38 | 12 | 10 | 1 | 61 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4750 | No |
| 50 | Workshop on Innovation and Startup Business | IPR, Innovation | Workshop | Institute Lead Activity | IIC | 25-07-2019 00:00:00 | 25-07-2019 00:00:00 | 1 | Within Campus | 55 | 35 | 15 | 2 | 107 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 11580 | No |
| 51 | Skill development training | Innovation | Skill development | Student Lead Activity | PWD | 26-08-2019 00:00:00 | 26-08-2019 00:00:00 | 1 | Outside Campus | 58 | 2 | 0 | 0 | 60 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4620 | No |

| 52 | Skill development training | Entrepreneurship/Startup, Innovation | Skill development | Student Lead Activity | KMDA | 16-09-2019 00:00:00 | 16-09-2019 00:00:00 | 1 | Outside Campus | 52 | 3 | 0 | 0 | 55 | No | No |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | Skill development training | Entrepreneurship/Startup, Innovation | Skill development | Student Lead Activity | ITD CEMENTATION | 28-11-2019 00:00:00 | 28-11-2019 00:00:00 | 1 | Outside Campus | 43 | 2 | 0 | 0 | 45 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 4500 | No |
| 54 | WORKSHOP ON CORONA OF LEARNING | Entrepreneurship/Startup | Workshop | Institute Lead Activity | IIC JISCE | 18-03-2020 00:00:00 | 18-03-2020 00:00:00 | 1 | Within Campus | 56 | 40 | 3 | 0 | 99 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 7560 | No |
| 55 | Workshop on Python Programming towards the Aim of Transformation on Future Employment Scenario | Innovation | Workshop | Student Lead Activity | Skubotics | 30-03-2020 00:00:00 | 30-03-2020 00:00:00 | 1 | Within Campus | 55 | 25 | 15 | 5 | 100 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000 | No |
| 56 | Recent Trends in IT Industry | Innovation | Workshop | Student Lead Activity | CSI Student Chapter , JISCE | 14-09-2019 00:00:00 | 14-09-2019 00:00:00 | 1 | Within Campus | 36 | 10 | 2 | 0 | 48 | No | No |
| 57 | CSI – WEST BENGAL STATE STUDENT CONVENTION 2K19 | Innovation | Innovation Contest | Institute Lead Activity | CSI Student Chapter, JICSE | 14-11-2019 00:00:00 | 14-11-2019 00:00:00 | 1 | Within Campus | 38 | 12 | 6 | 1 | 57 | No | No |
| 58 | TECHNOPHILIA 2.0 | Entrepreneurship/Startup | Awareness | Student Lead Activity | CSI Student Chapter, JISCE | 29-02-2020 00:00:00 | 29-02-2020 00:00:00 | 1 | Within Campus | 35 | 6 | 10 | 2 | 53 | No | No |
| 59 | Academic Conclave | Innovation | Awareness | Institute Lead Activity | IIC | 19-03-2020 00:00:00 | 19-03-2020 00:00:00 | 1 | Within Campus | 0 | 5 | 0 | 20 | 25 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15540 | 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**

| 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 | S4DS Innovation Hackathon 2020 | Entrepreneurship/Startup | Hackathon | Guru Nanak Institute of Technology | Educational Institute | 15-10-2019 00:00:00 | 15-10-2019 00:00:00 | 1 | 10 | 4 | 14 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 4200 | No |
| 2 | 3 Day Camp - Adulteration in Food | IPR | Awareness | Guru Nanak Institute of Technology | Educational Institute | 06-03-2020 00:00:00 | 08-03-2020 00:00:00 | 3 | 15 | 2 | 17 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5100 | No |
| 3 | Annual Techest Manthan 2k19 | Innovation | Innovation Contest | Dr. Sudhir Chandra Sur Degree Engineering College | Educational Institute | 04-04-2019 00:00:00 | 05-04-2019 00:00:00 | 2 | 30 | 5 | 35 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 10500 | No |
| 4 | Coding Contest 2019 | Innovation | Innovation Contest | Dr. Sudhir Chandra Sur Degree Engineering College | Educational Institute | 09-04-2019 00:00:00 | 09-04-2019 00:00:00 | 1 | 18 | 2 | 20 | No | --- | --- | No | No |
| 5 | Innovative Idea Competition | Innovation | Innovation Contest | Dr. Sudhir Chandra Sur Degree Engineering College | Educational Institute | 25-10-2019 00:00:00 | 25-10-2019 00:00:00 | 1 | 16 | 0 | 16 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 4800 | No |
| 6 | Technical Seminar on Embedded System AND IoT | Entrepreneurship/Startup | Seminar | Dr. Sudhir Chandra Sur Degree Engineering College | Educational Institute | 30-09-2019 00:00:00 | 30-09-2019 00:00:00 | 1 | 13 | 1 | 14 | 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 | International Conference Recent Trends and Technologies in Engineering and Science 2020 | Innovation | Conference | Dr. Sudhir Chandra Sur Degree Engineering College | Educational Institute | 05-03-2020 00:00:00 | 06-03-2020 00:00:00 | 2 | 8 | 3 | 11 | No | --- | --- | No | No |
| 8 | Inregional State Science Congress | Entrepreneurship/ Startup | Conference | MAKAUT | Govt. Agency (State) | 23-12-2019 00:00:00 | 24-12-2019 00:00:00 | 2 | 8 | 1 | 9 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 2700 | No |
| 9 | SCADA Application in Power System | Entrepreneurship/ Startup | Seminar | CDAC Pune AND Guru Nanak Institute of Technology | Govt. Agency (Central) | 24-04-2019 00:00:00 | 24-04-2019 00:00:00 | 1 | 3 | 0 | 3 | No | --- | --- | No | No |
| 10 | National Cyber Security Summit | Entrepreneurship/ Startup | Seminar | Indian Statistical Institute Kolkata | Govt. Agency (Central) | 07-09-2019 00:00:00 | 07-09-2019 00:00:00 | 1 | 0 | 2 | 2 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1200 | No |
| 11 | Interactive session on Entrepreneurship and Innovation as Career Opportunity | Entrepreneurship/ Startup | Seminar | MHRD AND Narula Institute of Technology | Educational Institute | 27-09-2019 00:00:00 | 27-09-2019 00:00:00 | 1 | 2 | 0 | 2 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1000 | No |
| 12 | Digital Pedagogies | Innovation | Awareness | JIS University | Educational Institute | 04-04-2019 00:00:00 | 04-04-2019 00:00:00 | 1 | 0 | 2 | 2 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1000 | No |
| 13 | Asia-West Continent Final of ICPC | Innovation | Hackathon | Guru Nanak Institute of Technology | Educational Institute | 14-11-2019 00:00:00 | 15-11-2019 00:00:00 | 2 | 7 | 0 | 7 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 2100 | 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**

| 14 | MHRD Industry Academia Meet cum Exhibition on Waste Management | IPR | Exhibition | MHRD and Guru Nanak Institute of Technology | Educational Institute | 07-11-2019 00:00:00 | 08-11-2019 00:00:00 | 2 | 2 | 2 | 4 | No | --- | --- | No | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | FDP on Advancement in Computer Aided Engineering An Application Design using CATIA | IPR | Training | Narula Institute of Technology | Educational Institute | 16-09-2019 00:00:00 | 19-09-2019 00:00:00 | 4 | 0 | 3 | 3 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 1500 | No |
| 16 | Webinar on The Outbreak of COVID-19 outbreaks The Digital Transformation | Innovation | Seminar | Guru Nanak Institute of Technology | Educational Institute | 20-03-2020 00:00:00 | 20-03-2020 00:00:00 | 1 | 25 | 18 | 43 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 12900 | No |
| 17 | International Conference on Future Trends and Technological Advancement in Engineering-2020 | Innovation | Conference | Narula Institute of Technology | Educational Institute | 31-01-2020 00:00:00 | 01-02-2020 00:00:00 | 2 | 10 | 6 | 16 | Yes | Best Paper | Best Paper | No | Award / Position / Recognition Secured: Best Paper; Title of Innovation / Start-up Secured the Award / Recognition: Best Paper; Award/Recognition/Achievement Received for: Novel Research Paper/Work |
| 18 | ICCDN | Innovation | Conference | Sikkim Manipal Institute of Technology | Educational Institute | 09-12-2019 00:00:00 | 10-12-2019 00:00:00 | 2 | 0 | 1 | 1 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 6000 | No |
| 19 | FEMAS 2019 | Innovation | Conference | Guru Nanak Institute of Technology | Educational Institute | 26-09-2019 00:00:00 | 27-09-2019 00:00:00 | 2 | 15 | 5 | 20 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) 6000 | 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**

| 20 | Workshop | Innovation | Workshop | IIEST Shibpur | Govt. Agency (Central) | 20-01-2020 00:00:00 | 24-01-2020 00:00:00 | 5 | 1 | 1 | 2 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees)  1000 | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | International Conference on Innovation in Modern Science and Technology (ICIMSAT 2019) | Entrepreneurship/ Startup | Conference | Siliguri Institute of Technology | Educational Institute | 20-09-2019 00:00:00 | 21-09-2019 00:00:00 | 2 | 0 | 2 | 2 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees)  10000 | No |
| 22 | STTP on Sustainable development on civil engineering array | Entrepreneurship/ Startup | Workshop | Narula Institute of Technology | Educational Institute | 13-01-2020 00:00:00 | 18-01-2020 00:00:00 | 6 | 0 | 2 | 2 | No | --- | --- | No | No |
| 23 | Science and Technology Fair | Innovation | Exhibition | Pachim Bangya Vigyan Mancha | Govt. Agency (State) | 16-01-2020 00:00:00 | 18-01-2020 00:00:00 | 3 | 15 | 3 | 18 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees)  5400 | No |
| 24 | Workshop on Interdisciplinary Cyber Physical System | Entrepreneurship/ Startup | Workshop | DST | Govt. Agency (Central) | 11-03-2020 00:00:00 | 13-03-2020 00:00:00 | 3 | 0 | 2 | 2 | No | --- | --- | No | No |
| 25 | FDP on DTITLP | Entrepreneurship/ Startup | Training | AICTE | Govt. Agency (Central) | 16-03-2020 00:00:00 | 30-03-2020 00:00:00 | 15 | 0 | 3 | 3 | No | --- | --- | No | No |
| 26 | Workshop On ETAP | IPR | Workshop | IIT Kharagpur | Govt. Agency (Central) | 01-03-2020 00:00:00 | 01-03-2020 00:00:00 | 1 | 24 | 2 | 26 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees)  13000 | No |
| 27 | NBA Accreditation and SAR preparation | Innovation | Training | NITTTR | Govt. Agency (Central) | 04-05-2019 00:00:00 | 08-05-2019 00:00:00 | 5 | 0 | 3 | 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**

| 28 | STTP - Educational Technology in Engineering Teaching | Innovation | Training | GNIT | Educational Institute | 06-01-2020 00:00:00 | 11-01-2020 00:00:00 | 6 | 0 | 2 | 2 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) | 1000 | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | Master Class in collaboration with ASI | IPR | Skill development | MAKAUT | Govt. Agency (State) | 20-01-2020 00:00:00 | 20-01-2020 00:00:00 | 1 | 0 | 3 | 3 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) | 1500 | No |
| 30 | National Conference on Stress Responses and Diseases | Entrepreneurship/Startup | Conference | University of Kalyani | Govt. Agency (State) | 06-03-2020 00:00:00 | 07-03-2020 00:00:00 | 2 | 0 | 2 | 2 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) | 1000 | No |
| 31 | Innovation Ambassador Training Program | Innovation | Skill development | IIC | Govt. Agency (State) | 06-03-2020 00:00:00 | 07-03-2020 00:00:00 | 2 | 0 | 4 | 4 | No | --- | --- | TotalTotal Expense Amount Incurred by Institute? (In Rupees) | 2000 | 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 | CBC on Machine Learning with Python | Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 07-08-2019 | 18-08-2019 | 12 | Offline | 58 | 72 |
| 2 | CBC on Revit and Total Station | Entrepreneurship/Startup, Innovation | Short term Course | Short Term Certificate Course | Civil Engineering | 06-01-2020 | 10-01-2020 | 5 | Offline | 30 | 40 |
| 3 | CBC on MSPROJECT and Primavera | Innovation | Short term Course | Short Term Certificate Course | Civil Engineering | 06-01-2020 | 10-01-2020 | 5 | Offline | 28 | 40 |
| 4 | CBC on Tekla | Entrepreneurship/Startup | Short term Course | Short Term Certificate Course | Civil Engineering | 06-01-2020 | 10-01-2020 | 5 | Offline | 34 | 40 |
| 5 | CBC on Python | Innovation | Short term Course | Short Term Certificate Course | Computer Science Engineering | 06-01-2020 | 10-01-2020 | 5 | Offline | 93 | 40 |
| 6 | CBC on Andriod | Entrepreneurship/Startup, Innovation | Short term Course | Short Term Certificate Course | Computer Science Engineering | 06-01-2020 | 10-01-2020 | 5 | Offline | 55 | 40 |

| # | Course | Category | Type | Sub Type | Department | Start Date | End Date | Days | | Mode | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | CBC on Python | Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering and Biomedical Engineering | 06-01-2020 | 10-01-2020 | 5 | | Offline | | 62 | 40 |
| 8 | CBC on IoT with Arduino | IPR | Short term Course | Short Term Certificate Course | Electrical Engineering | 06-01-2020 | 10-01-2020 | 5 | | Offline | | 31 | 40 |
| 9 | CBC on PLC and SCADA | IPR, Innovation | Short term Course | Short Term Certificate Course | Electrical Engineering | 06-01-2020 | 10-01-2020 | 5 | | Offline | | 30 | 40 |
| 10 | CBC on AutoCAD | Innovation | Short term Course | Short Term Certificate Course | Electrical Engineering | 06-01-2020 | 10-01-2020 | 5 | | Offline | | 34 | 40 |
| 11 | CBC on Machine Learning with Python | Entrepreneurship/Startup, Innovation | Short term Course | Short Term Certificate Course | Information Technology | 06-01-2020 | 10-01-2020 | 5 | | Offline | | 60 | 40 |
| 12 | CBC on IOT with Arduino | Innovation | Short term Course | Short Term Certificate Course | Information Technology | 06-01-2020 | 10-01-2020 | 5 | | Offline | | 23 | 40 |
| 13 | CBC on ANSYS | Innovation | Short term Course | Short Term Certificate Course | Mechanical Engineering | 06-01-2020 | 10-01-2020 | 5 | | Offline | | 62 | 40 |
| 14 | CBC on AVR Microcontroller Circuit Simulation | Entrepreneurship/Startup, Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 08-07-2019 | 19-07-2019 | 12 | | Offline | | 32 | 72 |
| 15 | CBC on Programming in JAVA | Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 08-07-2019 | 19-07-2019 | 12 | | Offline | | 45 | 72 |
| 16 | CBC on Application of Satellite Image Processing | IPR, Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 08-07-2019 | 19-07-2019 | 12 | | Offline | | 43 | 75 |
| 17 | CBC on Using Python-User Interface creation and in facing with Arduino | Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 08-07-2019 | 19-07-2019 | 12 | | Offline | | 28 | 72 |
| 18 | CBC on Signal processing simulations and realization through DSP processor | Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 08-07-2019 | 19-07-2019 | 12 | | Offline | | 22 | 72 |
| 19 | CBC on Arduino - A Hands-On Introduction with Projects | IPR, Entrepreneurship/Startup | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 08-07-2019 | 19-07-2019 | 12 | | Offline | | 25 | 72 |
| 20 | CBC on Implementation of MATLAB programming | Innovation | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 16-12-2019 | 20-12-2019 | 5 | | Offline | | 26 | 40 |
| 21 | CBC on Python and Rasberry Pi | Entrepreneurship/Startup | Short term Course | Short Term Certificate Course | Electronics and Communication Engineering | 16-12-2019 | 20-12-2019 | 5 | | Offline | | 48 | 40 |

| 22 | Skill Development Training on Unix and Shell Programming | IPR, Entrepreneurship/Startup | Short term Course | Short Term Certificate Course | CSE | 19-01-2020 | 24-01-2020 | 6 | Offline | 76 | 40 |
| 23 | Skill Development Training on AI AND Machine Learning | Entrepreneurship/Startup, Innovation | Short term Course | Short Term Certificate Course | INFORMATION TECHNOLOGY | 10-01-2020 | 16-01-2020 | 7 | Offline | 85 | 40 |
| 24 | Skill Development Training on Big Data | Innovation | Short term Course | Short Term Certificate Course | Computer Science Engineering | 29-01-2020 | 04-02-2020 | 7 | Offline | 120 | 40 |
| 25 | Skill Development Training on Angular JS and Node JS | Innovation | Short term Course | Short Term Certificate Course | Mechanical Engineering | 10-02-2020 | 16-02-2020 | 7 | Offline | 76 | 40 |
| 26 | Skill development Training on Python Programming | IPR, Entrepreneurship/Startup | Short term Course | Short Term Certificate Course | Information Technology | 06-02-2020 | 11-02-2020 | 6 | Offline | 64 | 35 |
| 27 | Workshop on Cyber Law and Cyber Security | IPR, Entrepreneurship/Startup, Innovation | Short term Course | Short Term Certificate Course | Computer Science Engineering | 16-03-2020 | 21-03-2020 | 6 | Online | 78 | 35 |
| 28 | FDP on Flip Learning | Innovation | Short term Course | Short Term Certificate Course | JISCE | 21-06-2019 | 25-06-2019 | 5 | Offline | 56 | 35 |
| 29 | ARTIFICIAL ORGAN AND REHABILITATION ENGINEERING | Innovation | Elective/Core Credit Course | Credit Course (Elective) | Bio Medical Engineering | 15-01-2020 | 23-05-2020 | 130 | Online | 12 | 35 |
| 30 | Artificial Intelligence and Robotics | IPR, Entrepreneurship/Startup, Innovation | Elective/Core Credit Course | Credit Course (Elective) | Electronics and Communication Engineering | 01-09-2020 | 10-01-2021 | 132 | Online | 62 | 45 |
| 31 | Cryptography and Network Security | Entrepreneurship/Startup, Innovation | Elective/Core Credit Course | Credit Course (Elective) | Computer Science Engineering | 01-09-2020 | 10-01-2021 | 132 | Online | 35 | 36 |
| 32 | Energy Management and Audit | Entrepreneurship/Startup | Elective/Core Credit Course | Credit Course (Elective) | Electrical Engineering | 01-09-2020 | 10-01-2021 | 132 | Online | 18 | 35 |
| 33 | E - COMMERCE | Entrepreneurship/Startup | Elective/Core Credit Course | Credit Course (Compulsory) | Information Technology | 15-01-2020 | 23-05-2020 | 130 | Online | 28 | 35 |
| 34 | CAD CAM | Entrepreneurship/Startup, Innovation | Elective/Core Credit Course | Credit Course (Elective) | Mechanical Engineering | 01-09-2020 | 10-01-2021 | 132 | Online | 20 | 35 |

## LiList 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 | Workshop on Advanced Education Technology | Entrepreneurship/Startup, Innovation | FDP in I&E / IPR | JISCE | 02-01-2020 | 06-01-2020 | 5 | Offline | 73 | 32 |
| 2 | Innovate To INSPIRE 2019 | Entrepreneurship/Startup, Innovation | Employment Generation Training Programs | IIC JISCE | 01-08-2019 | 22-08-2019 | 22 | Offline | 75 | 120 |
| 3 | Seminar on Advanced Education Technology | Innovation | Employment Generation Training Programs | Electrical Engineering | 25-04-2019 | 30-04-2019 | 6 | Offline | 75 | 40 |
| 4 | One week FDP on Innovations - IPR  Start Ups | Innovation | Employment Generation Training Programs | IIC | 03-06-2020 | 09-06-2020 | 7 | Online | 221 | 40 |

| 5 | Workshop on PLC and AUTOMATION | Entrepreneurship/Startup | Employment Generation Training Programs | Electrical Engineering | 10-02-2020 | 16-02-2020 | 7 | Offline | | 85 | 40 |
| 6 | Workshop on Entrepreneurship Awareness Camp | Entrepreneurship/Startup | Employment Generation Training Programs | IIC-JISCE | 15-01-2020 | 18-01-2020 | 4 | Offline | | 56 | 32 |
| 7 | Skill Development Training on AI Machine Learning | Entrepreneurship/Startup | Employment Generation Training Programs | Computer Science and Engineering | 06-03-2020 | 10-03-2020 | 5 | Online | | 85 | 32 |
| 8 | Workshop on DESIGN and INSTALLATION OF SOLAR PV MODULE | Entrepreneurship/Startup | Employment Generation Training Programs | Electrical Engineering | 09-01-2020 | 13-01-2020 | 5 | Offline | | 92 | 32 |
| 9 | Healthcare Industry Medical Equipment Manufacturing Company and Domain Specific Research Training | IPR, Entrepreneurship/Startup | Employment Generation Training Programs | Biomedical Engineering | 04-11-2019 | 08-11-2019 | 5 | Offline | | 72 | 35 |
| 10 | Workshop on Industrial Automation using PLC Automation | Entrepreneurship/Startup | Employment Generation Training Programs | Electrical Engineering | 05-08-2019 | 08-08-2019 | 4 | Offline | | 105 | 32 |
| 11 | Skill development training Workshop on Design and Analysis with SOLIDWORKS and ANSYS | Entrepreneurship/Startup | Employment Generation Training Programs | Civil Engineering | 02-07-2019 | 06-07-2019 | 5 | Offline | | 63 | 35 |
| 12 | Workshop on Application of AVR Microcontroller | Entrepreneurship/Startup, Innovation | Employment Generation Training Programs | Electronics and Communication Engineering | 08-07-2019 | 13-07-2019 | 6 | Offline | | 27 | 36 |

## 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 | Anirban Patra | Electronics and Communication Engineering | Assistant Professor | No | Yes |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 2 | Moumita Pal | Electronics and Communication Engineering | Assistant Professor | No | Yes |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 3 | Madhura Chakraborty | Electronics and Communication Engineering | Assistant Professor | No | Yes |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 4 | Sumit Das | Information Technology | Assistant Professor | No | Yes |
| | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 5 | Sudip Das | Electrical 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Ananya Burman | | Basic Science and Humanities | | Assistant Professor | | No | | Yes | |
| | | Training Name | Training Theme | Type of Course | Training Agency Name | Training Agency Type | Training Start Date | Training End Date | Training Duration (in Days) | Mode of Delivery |
| 7 | Dr Trina Dutta | | Basic Science and Humanities | | 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 |
| 8 | Dr. Sandip Bag | | Biomedical 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 |
| 9 | Dr. Sandip Bag | | Biomedical 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 |
| 10 | Dr. Biswarup Neogi | | Electronics and Communication Engineering | | IIC Convener | | 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 Ambassador Programme | Innovation | Short term Certificate | IIC | Govt. Agency (Central) | 06-03-2020 00:00:00 | 07-03-2020 00:00:00 | 2 | Offline |
| 11 | Koustav Das | | Civil 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 | Short term Certificate | MHRD Innovation Cell | Govt. Agency (Central) | 06-03-2020 00:00:00 | 07-03-2020 00:00:00 | 2 | Offline |
| 12 | Dr Debasish Das | | Civil 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 | Short term Certificate | MHRD Innovation Cell | Govt. Agency (Central) | 06-03-2020 00:00:00 | 07-03-2020 00:00:00 | 2 | Offline |

## 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 | Entrepreneur Development Cell | Innovation Club | 2018 | Co-working Space | Pre-Incubation Unit | 4 | Sudipta Sahana | sudipta.sahana@jiscollege.ac.in | 9474733974 |
| 2 | Science Club | Idea Club | 2018 | Co-working Space | Innovation Labs | 2 | Swagata Bhattacharjee | swagata.bhattacharjee@jiscollege.ac.in | 9432326106 |
| 3 | Engineering Modeling Club | Innovation Club | 2017 | Co-working Space | Incubation Unit | 1 | Arindam Banerjee | arindam.banerjee@jiscollege.ac.in | 9433279813 |
| 4 | Coding Club | Idea Club | 2018 | Work Stations | Innovation Labs | 2 | Annwesha Banerjee | annwesha.banerjee@jiscollege.ac.in | 9051255006 |
| 5 | Mathematics Club | Idea Club | 2017 | None | Innovation Labs | 1 | Shyam Sundar Santra | shyamsundar.santra@jiscollege.ac.in | 7077110036 |
| 6 | Environment Club | Innovation Club | 2019 | Co-working Space | Innovation Labs | 1 | Ananya Barman | ananya.barman@jiscollege.ac.in | 9836877462 |
| 7 | CSI Student Chapter | Idea Club | 2019 | Work Stations | Pre-Incubation Unit | 4 | Dr. Sudipta Sahana | sudipta.sahana@jiscollege.ac.in | 9474733974 |
| 8 | IEI Student Chapter (Mechanical Engineering) | Innovation Club | 2019 | Co-working Space | Incubation Unit,Innovation Labs | 1 | Thia Pal | thia.pal@jiscollege.ac.in | 9046224052 |
| 9 | IEI Chapter (Electrical Engineering) | Innovation Club | 2019 | Co-working Space | Incubation Unit | 2 | Dr. Papun Biswas | head_ee.jisce@jiscollege.ac.in | 9433766654 |
| 10 | Industry Institute Partnership Cell (IIPC) | Innovation Club | 2019 | Co-working Space | Incubation Unit | 2 | Ms. Kavya Jaiswal | kavya.jisce@jisgroup.org | 9051989343 |

## 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? |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | JIS Innovation and Incubation Center (JIS-IIC) | Innovation Centre | 2018 | 3D Printing & Prototype Equipment | Innovation Labs | Innovation Labs | Facility Incharge Name | Dr. Biswarup Neogi | 6 | No | No | No |
| | | | | | | | Facility Incharge Email | biswarup.neogi@jiscollege.ac.in | | | | |
| | | | | | | | Facility Incharge Phone | 9477751235 | | | | |

## 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)

| 2 | Center of Excellence association with Russian Federation | Innovation Centre | 2017 | Co-working Space | Incubation Unit | Incubation Unit | Facility Incharge Name: Dr. Papun Biswas<br>Facility Incharge Email: papun.biswas@jiscollege.ac.in<br>Facility Incharge Phone: 9433766654 | 4 | No | No | No |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | JInnovationPvt. Ltd | Startup Cell | 2018 | Co-working Space | Innovation Labs | Innovation Labs | Facility Incharge Name: Dr. Biswarup Neogi<br>Facility Incharge Email: biswarup.neogi@jiscollege.ac.in<br>Facility Incharge Phone: 9477751235 | 4 | Yes | **Yes**<br>Total Annual Income from Training and Skill Development Services (In Rupees): 129400<br>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees): 19500<br>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees): 10000 | Yes |

| 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 | JISCE | Educational Institute | 150000 |

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

| 4 | Industry 4.0 Laboratory | Innovation Centre | 2019 | Co-working Space | Innovation Labs | Innovation Labs | Facility Incharge Name | Dr. Indran ath Sarkar | 3 | No | No | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Facility Incharge Email | indrana th.sark ar@jisc ollege. ac.in | | | | |
| | | | | | | | Facility Incharge Phone | 824053 3192 | | | | |
| 5 | Design lab | Design Centre | 2015 | Co-working Space,3D Printing & Prototype Equipment, Work Stations | Incubation Unit,Innovation Labs,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,Student Clubs | Incubation Unit,Innovati on Labs,Innova tion Park/Resear ch Park,Centre of Excellence with Advance Tools,IPR Cell/Technol ogy Transfer Centre,Stud ent Clubs | Facility Incharge Name | Dr. Sabyas achi Sen | 4 | Yes | Yes | Yes |
| | | | | | | | Facility Incharge Email | deanrn d.jisce @jisgr oup.or g | | | **Total Annual Income from Training and Skill Develop ment Services (In Rupees)** — 0 | |
| | | | | | | | | 098304 94476 | | | **Total Annual Income from (Technic al and Business ) Mentorin g Services (In Rupees)** — 0 | |
| | | | | | | | Facility Incharge Phone | | | | **Total Annual Income from Office Space and Rental Services to Start-ups/Inno vators (In Rupees)** — 0 | |

| 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 | Self | Not-Govt. Agencies | 120000 |

## 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 | Centralized instrumental center | 2018 | Incubation Unit,Innovation Labs,IPR Cell/Technology Transfer Centre | DST-FIST | Facility Incharge Name | Dr. Sabyasachi Sen | 5 | Yes | Yes | | Yes |
| | | | | | Facility Incharge Email | deanrnd.jisce@jisgroup.org | | | Total Annual Income from Training and Skill Development Services (In Rupees) | 62000 | |
| | | | | | Facility Incharge Phone | 09830494476 | | | Total Annual Income from (Technical and Business) Mentoring Services (In Rupees) | 15300 | |
| | | | | | | | | | Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees) | 0 | |

| Source of Grant / Fund | Agency Name | Agency Type | Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees) |
|---|---|---|---|
| | | | |

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

| Srno | Name of Incubation Facility | Year of Establishment | Incubation with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with Incubation Unit, if any (Optional) | Facility Details | | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20? | Had institute Generated Income either from Services Offered by Incubation Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities? |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | JIS Innovation and Incubation Center (JIS-IIC) | 2018 | Innovation Labs,Student Clubs | Industry support (ALVIS TYRE PVT. LTD.) | Facility Incharge Name | Dr. Biswarup Neogi | 4 | Yes | No | Yes |
| | | | | | Facility Incharge Email | biswarup.neogi@jiscollege.ac.in | | | | |
| | | | | | Facility Incharge Phone | 9477751235 | | | | |

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

| | Source of Grant / Fund | Agency Name | Agency Type | Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees) |
|---|---|---|---|---|

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

| Srno | Name of Innovation Park/Research Park Facility | Year of Establishment | Innovation Park / Research Park with Access to Other I & E Facilities at the HEI | Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional) | Facility Details | | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the Research Park/Innovation Park 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 Research Park/Innovation Park? | | Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Educational Technology Research Park | 2017 | Incubation Unit,Innovation Labs,Centre of Excellence with Advance Tools | National Project Implementation Unit | Facility Incharge Name | Dr. Papun Biswas | 5 | Yes | Yes | | No |
| | | | | | Facility Incharge Email | dean_innovativelearnings @jiscollege.ac.in | | | Total Annual Income from Training and Skill Development Services (In Rupees) | 529600 | |
| | | | | | Facility Incharge Phone | 9433766654 | | | Total Annual Income from (Technical and Business) Mentoring Services (In Rupees) | 93000 | |
| | | | | | | | | | Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees) | 0 | |

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

| Srno | Name of IPR Cell/Technology Transfer Centre Facility | Year of Establishment | IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional) | Facility Details | | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20? | Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre? | Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20? |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | JISCE IPR Cell | 2015 | Pre-Incubation,Incubation Unit,Innovation Labs,Centre of Excellence with Advance Tools,Student Clubs | Industry Sponsored (Eastern Rubber Industries Factory) | Facility Incharge Name | Sumit Das | 3 | Yes | No | Yes |
| | | | | | Facility Incharge Email | sumit.das@jiscollege.ac.in | | | | |
| | | | | | Facility Incharge Phone | 8910153548 | | | | |

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

| Source of Grant / Fund | Agency Name | Agency Type | Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees) |
|---|---|---|---|
| | | | |

## 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. Sandip Bag | Associate Professor | Idea/Innovation Development | 15 |

| Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|
| Pneumatic Matress | Within | |

| 2 | Sumit Das | Assistant Professor | Idea/Innovation Development,Entrepreneurship/Startup Development | 8 |
|---|---|---|---|---|

| Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|
| Smart Energy Saving Street Light | Within | |

| 3 | Sumit Das | Assistant Professor | Idea/Innovation Development,Entrepreneurship/Startup Development | 8 |
|---|---|---|---|---|

| Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|
| Thermoelectric Generator | Within | |

| 4 | Anirban Patra | Assistant Professor | Idea/Innovation Development | 10 |
|---|---|---|---|---|

| Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|
| Land Cover Analysis using SAR Images | Outside | |

| 5 | Anirban Patra | Assistant Professor | Idea/Innovation Development | 12 |
|---|---|---|---|---|

| Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|
| Satellite and Medical Image Processing | Within | |

| 6 | Moumita Pal | Assistant Professor | Idea/Innovation Development | 7 |
|---|---|---|---|---|

| Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|
| Digital signal Processing | Within | |

| 7 | Madhura Chakraborty | Assistant Professor | Entrepreneurship/Startup Development | 8 |
|---|---|---|---|---|

| Name of Idea/Innovation/ Startup Mentored | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|
| Weather Prediction | Within | |

| 8 | Ananya Burman | Assistant Professor | Entrepreneurship/Startup Development | 6 |
|---|---|---|---|---|

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

| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
|---|---|---|---|---|
| | Eco friendly product | | Within | |
| 9 | Dr Trina Dutta | Assistant Professor | Idea/Innovation Development | 10 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Environmental Idea | | Within | |
| 10 | Sudip Das | Assistant Professor | IPR Protection & Commercialization | 8 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Power System Designing | | Within | |
| 11 | Koustav Das | Assistant Professor | Idea/Innovation Development,Entrepreneurship/Startup Development | 7 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Plastic Brick | | Within | |
| 12 | Biswarup Neogi | IIC Convener | Idea/Innovation Development,Entrepreneurship/Startup Development | 14 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Biomedical Controlling | | Within | U73100WB2018PTC227195 |
| 13 | Dr Debasish Das | Assistant Professor | Idea/Innovation Development | 8 |
| | Name of Idea/Innovation/ Startup Mentored | | Mentoring Setup [Within (or) Outside] HEI | CIN (in case it is Startup) |
| | Reinforced concrete | | 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 | ALVIS TYRE PVT. LTD.,A-12,13,14, PHASE -II , KALYANI INDUSTRIAL ESTATE KALYANI WB 741235 IN | Idea/Innovation Development | Unstructured Mentorship |
| 2 | Eastern Rubber Industries, Factory: Shed No. 8A, Phase-II, Kalyani | Idea/Innovation Development | Unstructured Mentorship |
| 3 | Meghna Construction, Civil and Structural Contractor, B-4/27, Kalyani, PIN-741235 , email: meghnacon | Idea/Innovation Development | Unstructured Mentorship |
| 4 | Nirmala foundation-Kalyani Industrial Estate, Kalyani, Nadia, Pin 741235, West Bengal, nirmalafounda | Idea/Innovation Development | Unstructured Mentorship |
| 5 | Dr. Mahuya Hom Choudhury | Idea/Innovation Development | Structured Mentorship |

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

| | Structured Mentorship Program Name | Start Date | End Date | Total No of Days of Mentorship Program | No of Mentors Involved | Mentorship Cohort Size (No. of Mentee) | Type of Mentee |
|---|---|---|---|---|---|---|---|
| | Awareness drive on IPR-Innovation-Startup | 15-02-2020 | 15-02-2020 | 1 | 12 | 63 | Innovation/Prototype |

| 6 | Amiya Kumar Kalidaha | | 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 |
| | Sensitization programme on IPR/Copyright/GI | 14-09-2019 | 14-09-2019 | 1 | 12 | 137 | Idea |

| 7 | Dr. B. K. Sahoo | | Entrepreneurship/Startup Development | | | Structured Mentorship | |
|---|---|---|---|---|---|---|---|
| | Structured Mentorship Program Name | Start Date | End Date | Total No of Days of Mentorship Program | No of Mentors Involved | Mentorship Cohort Size (No. of Mentee) | Type of Mentee |
| | Awareness Programme of Entrepreneurship/startup de | 07-03-2020 | 07-03-2020 | 1 | 15 | 243 | Innovation/Prototype |

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

| Srno | Name of the Innovation Generated with the Support of HEI | Type of Innovation | Nature of Innovation | Name of the HEI Supported Innovation Development | Innovation Developed by | Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019-20 | Stage of Innovation /Stage of TRL reached as on 31st March 2020 | Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020 | Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20 | Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20 | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20 | Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20 | Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Smart Toilet | Product Innovation | Technological | JInnovation Pvt. Ltd | Student-Faculty | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | TRL 1 : Basic research. Principles postulated and observed but no experimental proof available. | Innovation Development Ongoing | No | No | Grant Amount in Rs 1240 | No | Amount Received in Rs. 4000 |

| Name | Type | Gender | Email | Contact |
|---|---|---|---|---|
| Dr. Sabyasachi Sen | Faculty | Male | deanrnd.jisce@jisgroup.org | 9830494476 |

| Name | Type | Gender | Email | Contact |
|---|---|---|---|---|

2

| Automatic Guided Vehicle for collecting household waste | Product Innovation | Technological | JInnovation Pvt. Ltd | 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 | No | No | No | No | No | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Name | | Type | | Gender | | Email | | Contact | | Name | Email |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thia Paul | | Faculty | | Female | | thia.paul@jiscollege.ac.in | | 9046224052 | | | |

| 3 | Smart Agricultural Vehicle Sprayer | Product Innovation | Technological | JIS Innovation and Incubation Center (JIS-IIC) | 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 | No | No | No | No | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Name | | Type | | Gender | | Email | | Contact |
|---|---|---|---|---|---|---|---|---|
| Dr. Sandip Ghosh | | Faculty | | Male | | head_me.jisce@jisgroup.org | | 7278866095 |

| Name | | Type | | Gender | | Email | | Contact | | 4 |
|---|---|---|---|---|---|---|---|---|---|---|

| Automated Portable Wheelchair | Product Innovation | Technological | | 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 | No | No | No | No | No | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Name | | Type | | Gender | | Email | | Contact | | Name | Email |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dr Sandip Ghosh | | Faculty | | Male | | head_me.jisce@jiscollege.ac.in | | 7278866095 | | | |

| 5 | Wood Cutting Machine having a sensor | Product Innovation | Technological | | 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 | No | No | No | No | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Name | | Type | | Gender | | Email | | Contact |
|---|---|---|---|---|---|---|---|---|
| Dr Sabyasachi Sen | | Faculty | | Male | | deanrnd.jisce@jisgroup.org | | 9830494476 |

| Name | | Type | | Gender | | Email | | Contact | | 6 |
|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pneuma tic Mattress | Product Innovation | Technological | | Student-Faculty | TRL 3 : Applied research. First laboratory tests completed ; proof of concept. | TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype). | Innovation Developm ent Dropped | No | No | No | No | Amo unt Rec eive d in Rs. | 35 00 |

| Name | | Type | | Gender | | Email | | Contact | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dr Sandip Bag | | Faculty | | Male | | sandip.bag@jiscollege.ac.in | | 9433427719 | | N a m e | E m a i l | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Exoskeleton Mechanical Chair | Product Innovation | Technological | | Student-Faculty | TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype). | TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype). | Innovation Development Ongoing | No | No | No | No | Amo unt Rec eive d in Rs. 35 00 |

| Name | | Type | | Gender | | Email | | Contact | |
|---|---|---|---|---|---|---|---|---|---|
| Thia Pal | | Faculty | | Female | | thia.pal@jiscollege.ac.in | | 9046224052 | |

| Name | | Type | | Gender | | Email | | Contact | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 8 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roadsid e Woman Safety SOS System | Service Innovation | Technological | | Student-Faculty | TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype). | TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype). | Innovation Developm ent Ongoing | No | No | No | No | No |

| Name | | Type | | Gender | | Email | | Contact | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Suparna Dasgupta | | Faculty | | Female | | suparna.dasgupta@jiscollege.ac.in | | 9831321719 | | N a m e | E m a i l | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Plastic Brick-an environment friendly solution to green building technology | Product Innovation | Technological | | Student-Faculty | TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype). | TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype). | Innovation Adopted and Implemented at Ground | No | No | No | No | No |

| Name | | Type | | Gender | | Email | | Contact | |
|---|---|---|---|---|---|---|---|---|---|---|
| Mr Debarghya Banerjee | | Faculty | | Male | | debarghya.banerjee@jiscollege.ac.in | | 6290196472 | |

| Name | | Type | | Gender | | Email | | Contact | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 10 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smart and Green Dustbin | Product Innovation | Technological | | 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 | No | No | No | No | No | |

| Name | | Type | | Gender | | Email | | Contact | | Name | Email |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mr Aniruddha Biswas | | Faculty | | Male | | aniruddha.biswas@jiscollege.ac.in | | 8697357415 | | | |

| | | | | | | | | | | | | | Amount Received in Rs. | 4000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Improved Bicycle | Product Innovation | Technological | | 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 | No | No | No | No | | |

| Name | | Type | | Gender | | Email | | Contact |
|---|---|---|---|---|---|---|---|---|
| Dr Sandip Ghosh | | Faculty | | Male | | head_me.jisce@jiscollege.ac.in | | 7278866095 |

| Name | | Type | | Gender | | Email | | Contact | 12 |
|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Helping Wheel Chair | Product Innovation | Technological | | 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 | No | No | No | No | No | |

| Name | | Type | | Gender | | Email | | Contact | | Name | Email |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thia Pal | | Faculty | | Female | | thia.pal@jiscollege.ac.in | | 9046224052 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | Automated and Manual Control of Water Pump Monitoring using Mobile App | Product Innovation,Process Innovation | Technological | | Faculty | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Completed | No | No | No | No | No |

| Name | | Type | | Gender | | Email | | Contact |
|---|---|---|---|---|---|---|---|---|
| Dr Arindam Banerjee | | Faculty | | Male | | arindam.banerjee@jiscollege.ac.in | | 9433279813 |

| Name | | Type | | Gender | | Email | | Contact | 14 |
|---|---|---|---|---|---|---|---|---|---|

| Vacuum Cleaner Clastico | Product Innovation | Technological | | 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 | No | No | No | No | No | |

| Name | | Type | | Gender | | Email | | Contact | | N a m e | E m a i l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Suparna Dasgupta | | Faculty | | Female | | suparna.dasgupta@jiscollege.ac.in | | 9831321719 | | | |

| 15 | Easy Solution for Wild Life Protection | Product Innovation | Technological | | 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 | No | No | No | No | No |

| Name | | Type | | Gender | | Email | | Contact |
|---|---|---|---|---|---|---|---|---|
| Dr Sabyasachi Sen | | Faculty | | Male | | deanrnd.jisce@jisgroup.org | | 9830494476 |

| Name | | Type | | Gender | | Email | | Contact | | 16 |
|---|---|---|---|---|---|---|---|---|---|---|

| Tribrid IOT Based Smart Washing Machine | Product Innovation,Process Innovation | Technological | | Faculty | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype). | TRL 6 : Prototype system tested in intended environment close to expected performance. | Innovation Development Completed | No | No | No | No | No | |

| Name | | Type | | Gender | | Email | | Contact | | N a m e | E m a i l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dr. Papun Biswas | | Faculty | | Male | | papun.biswas@jiscollege.ac.in | | 9433766654 | | | |

| 17 | A Low cost Green Rooftop Design | Product Innovation | Technological | | 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 | No | No | No | No | Amount Received in Rs. | 3500 |

| Name | | Type | | Gender | | Email | | Contact |
|---|---|---|---|---|---|---|---|---|
| Dr Debasish Das | | Faculty | | Male | | head_ce.jisce@jisgroup.org | | 8918056883 |

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

| Srno | Name of the Venture/Startup/SME Unit Established with the Support of HEI | Type of Innovation of Venture/Startup/SME Unit | Nature of Innovation | Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development | Venture Founded by | Venture Registerd as | Year of Registration | What is the current status of Pre-Incubation/Incubation Support to Venture/ Startup/ SME Unit as on 31st March 2020? | Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20? | Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20 | Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20 | Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20 | Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

| 1 | JInnovation Pvt. Ltd | Product Innovation | Technological | 3812 | Student-Faculty | Venture with Corporate Identification Number (CIN) Registration | 2018-19 | Received Incubation Support from Incubation Unit | Agency Name | JIS Group | Grant Amount in Rs | 131100 | Loan/Investment Agency Name | JIS Group | Amount Received in Rs. | 419500 | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Agency Type | Not-Govt. Agencies | | | Agency Type | Non-Govt. Agencies | | | |
| | | | | | | | | | Award/Position/Recognition Secured | Received Crowd Funding | | | 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) | 23500 | | | |
| | | | | | | | | | | | | | Date of Investment Raised | 29-08-2019 | | | |

| Name | DIN number | Type | Gender | Email | Contact |
|---|---|---|---|---|---|
| Dr. Biswarup Neogi | 08189093 | Faculty | Male | biswarup.neogi@jiscollege.ac.in | 9477751235 |
| Shivam Sarkar | 08189094 | Student | Male | shivamsarkar1998@gmail.com | 8339903299 |

| 2 | NIR O AAKASH PRIVATE LIMITED | Service Innovation | Technological | 3338 | Student | Venture with Corporate Identification Number (CIN) Registration | U72900TR2021PTC013891 | 2019-20 | Received Incubation Support from Incubation Unit | No | No | No | No | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Name | DIN number | Type | Gender | Email | Contact |
|---|---|---|---|---|---|
| Mehul Kundu | 09108163 | Student | Male | contact.mehulkundu@gmail.com | 7003278405 |

## 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 | Enterprise Development Institute, Kolkata (EDI) | Govt. Agency (State) | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Mentoring | 2 | 30-07-2019 |
| 2 | S and H Manufacturing Trading Pvt Ltd | Non-Govt. Agencies | Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups | Seed fund | 3 | 02-07-2019 |
| 3 | ALVIS TYRE PVT LTD | Non-Govt. Agencies | Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities | Incubation,Seed fund | 2 | 23-07-2019 |
| 4 | Meghna Construction, Civil and Structural Contractor | Non-Govt. Agencies | Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups | Incubation | 3 | 10-12-2019 |
| 5 | Nirmala foundation | Non-Govt. Agencies | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Incubation | 1 | 10-12-2019 |

## 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 | Digital Voting Machine (DVM) with Biometric Verification System with Instant Counting Facility | IPRFiledPublished | 201931005971 | | 2019 - 05 | NA | Published | No |

| Department/Centre Name |
|---|

| 2 | WOOD CUTTING MACHINE HAVING A SENSOR | IPRFiledPublished | 201931031418A | National | 2019 - 09 | Uploaded | Published | Yes |
|---|---|---|---|---|---|---|---|---|
| | Department/Centre Name | | | | | | | |
| | Basic Science | | | | | | | |
| 3 | AUTOMATED PORTABLE WHEELCHAIR | IPRFiledPublished | 201931028279A | National | 2019 - 09 | Uploaded | Published | No |
| | Department/Centre Name | | | | | | | |
| | Mechanical Engineering | | | | | | | |
| 4 | IMPROVED BICYCLE | IPRFiledPublished | 201931028485 | National | 2019 - 09 | Uploaded | Published | No |
| | Department/Centre Name | | | | | | | |
| | Mechanical Engineering | | | | | | | |

## 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 | Abled-Portability_Mobility | 201931028279 | | 2019 - 07 | NA |
| | 2 | Exoskeleton Mechanical Chair | 201931028481 | | 2019 - 07 |
| NA | | 3 | Helping Wheel Chair | 201931028484 | |
| 2019 - 07 | NA | | 4 | Roadside Woman Safety SOS System | 201931031420A |
| | 2019 - 08 | NA | | 5 | Smart Cap for Specially Able Person |
| 201931031448A | | 2019 - 08 | NA | | 6 |
| Plastic Brick-an environment friendly solution to green building technology | 201931031449A | | 2019 - 08 | NA | |
| 7 | Smart and Green Dustbin | 201931031450A | | 2019 - 08 | NA |
| | 8 | Pneumatic Matress | 201931031451A | | 2019 - 08 |
| NA | | 9 | Smart Toilet | 201931031417 | National |
| 2019 - 08 | Uploaded | | 10 | Smart Blade | 201931031418 |
| National | 2019 - 08 | Uploaded | | 11 | Tribrid IoT based Smart Washing Machine |
| 201931031419 | National | 2019 - 08 | Uploaded | | 12 |
| Vacuum Cleaner-CLUSTICO | 201931031413 | National | 2019 - 08 | Uploaded | |
| 13 | Easy solution for wild Life protection | 201931031414 | National | 2019 - 08 | Uploaded |

| | 14 | | Automatic and manual control of water pump and monitoring using mobile application | 201931031412 | | National | 2019 - 08 |
|---|---|---|---|---|---|---|---|
| Uploaded | | 15 | | A low cost green rooftop design | | 201931031415 | National |
| 2019 - 08 | Uploaded | | 16 | | Smart Agricultural Vehicle Sprayer | 201931028444A | |
| National | 2019 - 07 | | Uploaded | | 17 | | Automated Guided Vehicle for Collecting Household Waste |

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

| Srno | Title/Name of IP | Type of IP | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|---|---|---|---|
| 1 | Abled-Portability_Mobility | PatentsHoldByInnovations | 201931028279 | Filed | Uploaded |

| Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|
| JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| Srno | Title/Name of IP | Type of IP | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|---|---|---|---|
| 2 | Digital Voting Machine (DVM) with Biometric Verification System with Instant Counting Facility | PatentsHoldByInnovations | 201931005971 | Published | Uploaded |

| Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|
| ANIRBAN GHOSAL | Incubatee Startup | jInnovation Pvt. Ltd |

| Srno | Title/Name of IP | Type of IP | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|---|---|---|---|
| 3 | Automated guided vehicle for collecting household waste | PatentsHoldByInnovations | 201931028488 | Filed | Uploaded |

| Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|
| JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| Srno | Title/Name of IP | Type of IP | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|---|---|---|---|
| 4 | Exoskeleton Mechanical Chair | PatentsHoldByInnovations | 201931028481 | Filed | Uploaded |

| Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|
| JIS COLLEGE OF ENGINEERING | Incubatee Startup | jInnovation Pvt Ltd |

| Srno | Title/Name of IP | Type of IP | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|---|---|---|---|
| 5 | Helping Wheel Chair | PatentsHoldByInnovations | 201931028484 | Filed | NA |

| Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|
| JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| Srno | Title/Name of IP | Type of IP | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|---|---|---|---|
| 6 | Roadside Woman Safety SOS System | PatentsHoldByInnovations | 201931031420A | Filed | Uploaded |

| Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|
| JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| Srno | Title/Name of IP | Type of IP | IP Registration Number | Current Status of IP as on 31st March 2020 | Copy of IP screenshot |
|---|---|---|---|---|---|
| 7 | Smart Cap for Specially Able Person | PatentsHoldByInnovations | 201931031448A | Filed | Uploaded |

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| 8 | Plastic Brick-an environment friendly solution to green building technology | PatentsHoldByInnovations | 201931031449A | Filed | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| 9 | Smart and Green Dustbin | PatentsHoldByInnovations | 201931031450A | Filed | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| 10 | Pneumatic Mattress | PatentsHoldByInnovations | 201931031451A | Filed | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | JIS COLLEGE OF ENGINEERING | Incubatee Innovator | jInnovation Pvt Ltd |

| 11 | Automated Guided Vehicle for Collecting Household Waste | PatentsHoldByInnovations | 201931028488 | Filed | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | Subhashish Halder | Incubatee Startup | jInnovation Pvt Ltd |

| 12 | Smart Agricultural Vehicle Sprayer | PatentsHoldByInnovations | 201931028444A | Filed | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | Thia Paul | Incubatee Startup | jInnovation Pvt Ltd |

| 13 | WOOD CUTTING MACHINE HAVING A SENSOR | PatentsHoldByInnovations | 201931031418 | Published | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | Dr. Sabyasachi Sen | Incubatee Startup | jInnovation Pvt Ltd |

| 14 | AUTOMATED PORTABLE WHEELCHAIR | PatentsHoldByInnovations | 201931028279 | Published | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | Dr. Sandip Ghosh | Incubatee Startup | Mechanical Engineering |

| 15 | IMPROVED BICYCLE | PatentsHoldByInnovations | 201931028485 | Published | Uploaded |
|---|---|---|---|---|---|

| | Applicant Name | Applicant Type | Start-up/Innovator Name |
|---|---|---|---|
| | Dr. Sandip Ghosh | Incubatee Startup | jInnovation Pvt Ltd |

| 16 | Pneumatic Matress | PatentsHoldByInnovations | 201931031451A | Filed | NA |
|---|---|---|---|---|---|

| | Applicant Name | | Applicant Type | | Start-up/Innovator Name | |
|---|---|---|---|---|---|---|
| | Dr Saqndip Bag | | Incubatee Startup | | jinnovation Pvt Ltd | |
| 17 | Smart Toilet | PatentsHoldByInnovations | | 201931031417 | Filed | Uploaded |
| | Applicant Name | | Applicant Type | | Start-up/Innovator Name | |
| | Dr Sabyasachi Sen | | Incubatee Startup | | jInnovation Pvt Ltd | |

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

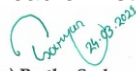| Srno | Name of Technology Licenced / Transferred / Commercialized | Technology Type | Type of Transfer | Patent / Licence Number | Patent / Licence Holder | | Centre / Department of Origin of Licence | Licence Transferred to | | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Total Annual Income Received from Technology Transfer/Licensing (In Rupees) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Battery operated cycle E3 Cycle | IP/Patented Technology | One-time transfer/Licensing | 201731011683 A | Patent/Licence Holder name (Institute Co-ownership is Must) | Dr. Biswarup Neogi | ECE | Licence Transferred to | Other organisation /Agency | Yes | 52500 |
| | | | | | Contact number of license holder | 9477751235 | | Name of Industry/Start-up/Agency Received License/Technology | Pal Cycle Store | | |
| | | | | | Email of Licence holder | biswarup.neogi@jiscollege.ac.in | | Address of Agency | Piyara Bagan; Chinsurah West Bengal | | |
| | | | | | Gender | Male | | Contact Number of Agency | 6290456518 | | |
| | | | | | | | | Email of Agency | biswarupneogi@gmail.com | | |

# Declaration

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

**Dear Sir,**

Herewith, myself Dr. Partha Sakar (Head of Institute) and Mr. Anirban Patra (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
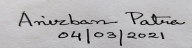
Thank you

The Head of Institute

Prof. (Dr.) Partha Sarkar
Principal
Principal
JIS College of Engineering

Dr. Partha Sakar
Head of the Institution,
Kalyani, West Bengal

Nodal officer

Anirban Patra
04|03|2021

Mr. Anirban Patra
Nodal Officer,
Kalyani, West Bengal

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