



# ARIIA

## ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

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

Institute Name: COLLEGE OF TECHNOLOGY AND ENGINEERING [ARI-I-1067]

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

| Srno | Department / Center / Unit Name                         | Type of Department / Center / Unit                               | Mention the Stream / Discipline / Sector of focus                             | Department / Center / Unit Level | Program Type | Student / Beneficiary Strength (2019-20) | Academic Staff Strength (2019-20) | Non-academic Staff Strength (2019-20) |
|------|---|--|---|----------------------------------|--------------|--|-----------------------------------|---------------------------------------|
| 1    | Technology Business Incubation Centre                   | Incubation Unit  | Multi sector which includes energy, agriculture, water, environment, software | UG / PG / PhD                    | Technical    | 20                                       | 1                                 | 2                                     |
| 2    | NewGen IEDC   | Pre-incubation unit  | Technology & engineering based startups                                       | UG / PG / PhD                    | Technical    | 15                                       | 2                                 | 2                                     |
| 3    | TePP Outreach cum Cluster Innovation Centre (TOCIC)     | Pre-incubation unit  | Multi Disciplinary  | At all level                     | Both         | 20                                       | 1                                 | 2                                     |
| 4    | Entrepreneurship Development Cell                       | Pre-incubation unit  | Multi disciplinary area   | UG / PG / PhD                    | Both         | 2000                                     | 2                                 | 2                                     |
| 5    | TEQIP III Centre  | Pre-incubation unit  | Engineering disciplines   | UG / PG / PhD                    | Both         | 1400                                     | 7                                 | 3                                     |
| 6    | Institutional development Plan centre                   | Pre-incubation unit  | Multi disciplinary  | UG / PG / PhD                    | Both         | 2000                                     | 20                                | 5                                     |
| 7    | Industry Institute Interlinking Centre                  | Industry Institute Interface Unit                                | Multi Engineering disciplines   | UG / PG / PhD                    | Technical    | 1400                                     | 4                                 | 2                                     |
| 8    | IPR Cell  | IPR Cell / Patent Facilitation Unit / Technology Transfer Centre | Multi Discipline  | UG / PG / PhD                    | Both         | 2000                                     | 3                                 | 2                                     |
| 9    | Department of Electrical Engineering                    | Academic Department with lab facility                            | Electrical Engineering  | UG / PG / PhD                    | Technical    | 240                                      | 10                                | 22                                    |
| 10   | Department of Electronics and Communication engineering | Academic Department with lab facility                            | Electronics & Communication engineering                                       | UG / PG / PhD                    | Technical    | 240                                      | 8                                 | 12                                    |
| 11   | Department of Mechanical Engineering                    | Academic Department with lab facility                            | Mechanical Engineering  | UG / PG / PhD                    | Technical    | 200                                      | 9                                 | 12                                    |
| 12   | Department of Mining engineering                        | Academic Department with lab facility                            | Mining engineering  | UG / PG / PhD                    | Technical    | 60                                       | 4                                 | 6                                     |
| 13   | Department of civil Engineering                         | Academic Department with lab facility                            | Civil Engineering   | UG / PG / PhD                    | Technical    | 220                                      | 7                                 | 12                                    |

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

|    |  |                                       |   |               |           |     |   |    |
|----|--|---------------------------------------|---|---------------|-----------|-----|---|----|
| 14 | Department of Computer Science and Engineering     | Academic Department with lab facility | Computer engineering  | UG / PG / PhD | Technical | 250 | 7 | 10 |
| 15 | Department of Farm Machinery and Power Engineering | Academic Department with lab facility | Agricultural Engineering  | UG / PG / PhD | Technical | 250 | 3 | 5  |
| 16 | Department of Processing and food Engineering      | Academic Department with lab facility | Agricultural Engineering  | UG / PG / PhD | Technical | 250 | 5 | 5  |
| 17 | Department of Renewable Energy Engineering         | Academic Department with lab facility | Renewable energy  | UG / PG / PhD | Technical | 250 | 5 | 10 |
| 18 | Department of Soil and Water Engineering           | Academic Department with lab facility | Agricultural Engineering  | UG / PG / PhD | Technical | 250 | 6 | 10 |
| 19 | Post Harvest Technology                            | Academic Department with lab facility | Agricultural engineering  | UG / PG / PhD | Technical | 250 | 3 | 5  |
| 20 | Basic Science                                      | Academic Department with lab facility | Basic science which includes Physics, chemistry and mathematics | UG / PG / PhD | Both      | 350 | 5 | 4  |

**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 : IC201811622 |
| 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)  | Yes    | Not Required                      |

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

| Srno | Name of Program (Full Name) | Program Theme | Program Type | Program Category | Organizing Department / Centre / Student Body Name | Program Start Date | Program End Date | Program Duration (in Days) | Program Location | Internal Participants (Student) | Internal Participants (Faculty) | External Participants (Student) | External Participants (Faculty) | Total Number of Participants | Had institute spent expenses either from own resource/received fund to organise the program/activity/event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research? |
|------|-----------------------------|---------------|--------------|------------------|--|--------------------|------------------|----------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|---|--|
|------|-----------------------------|---------------|--------------|------------------|--|--------------------|------------------|----------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|---|--|

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|   |  |                           |                   |                         |                             |                     |                     |   |               |     |    |   |   |     |  |       |    |
|---|--|---------------------------|-------------------|-------------------------|-----------------------------|---------------------|---------------------|---|---------------|-----|----|---|---|-----|--|-------|----|
| 1 | Geo-Special Technologies and their Hydrological Applications- Dr. Mahesh Jat, Professor - MNIT, Jaipur | Innovation                | Skill development | Institute Lead Activity | SWE Department              | 12-04-2019 00:00:00 | 12-04-2019 00:00:00 | 1 | Within Campus | 33  | 0  | 0 | 0 | 33  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4000  | No |
| 2 | Interaction on designing Hands on Training and Experiential Learning                                   | Entrepreneurship/Start-up | Training          | Institute Lead Activity | SWE DEPARTMENT CTAE UDAIPUR | 18-04-2019 00:00:00 | 18-04-2019 00:00:00 | 1 | Within Campus | 78  | 0  | 0 | 0 | 78  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 32217 | No |
| 3 | Skill Development and Continuous Improvement   | Entrepreneurship/Start-up | Skill development | Institute Lead Activity | CTAE                        | 16-07-2019 00:00:00 | 17-07-2019 00:00:00 | 2 | Within Campus | 105 | 0  | 0 | 0 | 105 | No   | No    |    |
| 4 | Development of Value Chain for Food Products   | Innovation                | Workshop          | Institute Lead Activity | CTAE COLLEGE                | 06-09-2019 00:00:00 | 07-09-2019 00:00:00 | 2 | Within Campus | 20  | 0  | 0 | 0 | 20  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 50000 | No |
| 5 | Awareness on Use of Consortium for E-Resources in Agriculture (CeRA) in Research Project               | Innovation                | Workshop          | Institute Lead Activity | CTAE COLLEGE                | 05-10-2019 00:00:00 | 05-10-2019 00:00:00 | 1 | Within Campus | 50  | 0  | 0 | 0 | 50  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 30498 | No |
| 6 | World Student Day Celebration  | Entrepreneurship/Start-up | Skill development | Institute Lead Activity | CTAE                        | 15-10-2019 00:00:00 | 15-10-2019 00:00:00 | 1 | Within Campus | 162 | 0  | 0 | 0 | 162 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 40267 | No |
| 7 | Strategies for Revenue Generation  | Entrepreneurship/Start-up | Workshop          | Institute Lead Activity | CTAE                        | 18-10-2019 00:00:00 | 18-10-2019 00:00:00 | 1 | Within Campus | 67  | 70 | 0 | 0 | 137 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 67143 | No |

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|    |  |                          |                   |                         |      |                     |                     |    |               |     |    |   |   |     |  |        |    |
|----|--|--------------------------|-------------------|-------------------------|------|---------------------|---------------------|----|---------------|-----|----|---|---|-----|--|--------|----|
| 8  | ICT Technologies for the Effective Scheduling  | Innovation               | Skill development | Institute Lead Activity | CTAE | 10-10-2019 00:00:00 | 10-10-2019 00:00:00 | 1  | Within Campus | 34  | 0  | 0 | 0 | 34  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 23594  | No |
| 9  | Scope for Ph.D Postdoctoral Opportunities in Agri. Bio. Engineering  | Innovation               | Skill development | Institute Lead Activity | CTAE | 08-11-2019 00:00:00 | 08-11-2019 00:00:00 | 1  | Within Campus | 50  | 10 | 0 | 0 | 60  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4000   | No |
| 10 | Developing Winning Research Project Proposal   | Innovation               | Skill development | Institute Lead Activity | CTAE | 03-01-2020 00:00:00 | 05-03-2020 00:00:00 | 63 | Within Campus | 114 | 0  | 0 | 0 | 114 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 362785 | No |
| 11 | Agritech fest  | Innovation               | Training          | Institute Lead Activity | CTAE | 17-02-2020 00:00:00 | 19-02-2020 00:00:00 | 3  | Within Campus | 650 | 0  | 0 | 0 | 650 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 232250 | No |
| 12 | Special Lecture-Ch.S.N.Murthy Professor, NITK Suranthkal, Drillability of Rocks and Thick Seam Mining with special reference to blasting Gallery | Entrepreneurship/Startup | Skill development | Institute Lead Activity | CTAE | 10-04-2019 00:00:00 | 10-04-2019 00:00:00 | 1  | Within Campus | 50  | 0  | 0 | 0 | 50  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 67084  | No |
| 13 | Programme Coordinators-Faculty Development Programme, Deep Learning and Application  | Entrepreneurship/Startup | Skill development | Institute Lead Activity | CTAE | 27-05-2019 00:00:00 | 31-05-2019 00:00:00 | 5  | Within Campus | 50  | 0  | 0 | 0 | 50  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 50000  | No |

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|    |  |                          |                   |                         |      |                     |                     |   |               |     |   |   |   |     |  |        |    |
|----|--|--------------------------|-------------------|-------------------------|------|---------------------|---------------------|---|---------------|-----|---|---|---|-----|--|--------|----|
| 14 | Microcontroller Applications in Robotics   | IPR                      | Skill development | Institute Lead Activity | CTAE | 29-08-2019 00:00:00 | 29-08-2019 00:00:00 | 1 | Within Campus | 30  | 0 | 0 | 0 | 30  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 9850   | No |
| 15 | Computer Aided Engineering Future Direction  | Entrepreneurship/Startup | Skill development | Institute Lead Activity | CTAE | 28-09-2019 00:00:00 | 28-09-2019 00:00:00 | 1 | Within Campus | 40  | 0 | 0 | 0 | 40  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 4000   | No |
| 16 | Digital technologies for smart Agriculture   | Entrepreneurship/Startup | Workshop          | Institute Lead Activity | CTAE | 16-10-2019 00:00:00 | 17-10-2019 00:00:00 | 2 | Within Campus | 120 | 0 | 0 | 0 | 120 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 175753 | No |
| 17 | E-Cell Pitching competition  | Innovation               | Workshop          | Institute Lead Activity | CTAE | 13-01-2020 00:00:00 | 13-01-2020 00:00:00 | 1 | Within Campus | 60  | 0 | 0 | 0 | 60  | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 45053  | No |
| 18 | Present Scenario, needs and expectations of the Industries from young engineering students | Entrepreneurship/Startup | Skill development | Institute Lead Activity | CTAE | 27-03-2020 00:00:00 | 28-03-2020 00:00:00 | 2 | Within Campus | 300 | 0 | 0 | 0 | 300 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) | 118500 | No |

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

| Srno | Name of Program (Full Name)   | Program Theme            | Program Type | Organizing Agency / Institute Name | Organizing Agency Type | Program Start Date  | Program End Date    | Program Duration (in Days) | Participants (Students) | Participants (Faculty) | Total Number of Participants | Awards/Recognitions/Achievements | Award / Position / Recognition Secured | Title of Innovation / Start-up Secured the Award / Recognition | Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event? | Did any of the participants received any awards/recognition for startup / innovation ideas / research |
|------|-------------------------------|--------------------------|--------------|------------------------------------|------------------------|---------------------|---------------------|----------------------------|-------------------------|------------------------|------------------------------|----------------------------------|--|--|---|---|
| 1    | Grooming Speech Body Language | Entrepreneurship/Startup | Workshop     | CTAE                               | Govt. Agency (State)   | 05-10-2019 00:00:00 | 05-10-2019 00:00:00 | 1                          | 32                      | 0                      | 32                           | No                               | ---                                    | ---  | No  | No  |

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|   |  |                          |                   |      |                      |                     |                     |    |     |    |     |    |     |     |    |  |    |
|---|--|--------------------------|-------------------|------|----------------------|---------------------|---------------------|----|-----|----|-----|----|-----|-----|----|--|----|
| 2 | Entrepreneurship Development through Processing and Value Addition of Millets Opportunities and Challenges | Entrepreneurship/Startup | Workshop          | CTAE | Govt. Agency (State) | 14-10-2019 00:00:00 | 14-10-2019 00:00:00 | 1  | 50  | 0  | 50  | No | --- | --- | No |  |    |
| 3 | Enhancing memory and education through music   | Innovation               | Training          | CTAE | Govt. Agency (State) | 14-10-2019 00:00:00 | 18-10-2019 00:00:00 | 5  | 50  | 0  | 50  | No | --- | --- |    | Total Total Expense Amount Incurred by Institute? (In Rupees) 100000 | No |
| 4 | Up Scaling of Water Productivity of Agri. Production System in India                                       | Innovation               | Skill development | CTAE | Govt. Agency (State) | 04-10-2019 00:00:00 | 04-10-2019 00:00:00 | 1  | 30  | 10 | 40  | No | --- | --- |    | Total Total Expense Amount Incurred by Institute? (In Rupees) 150000 | No |
| 5 | National Visiting Professor  | Entrepreneurship/Startup | Skill development | CTAE | Govt. Agency (State) | 09-01-2020 00:00:00 | 07-02-2020 00:00:00 | 30 | 50  | 0  | 50  | No | --- | --- |    | Total Total Expense Amount Incurred by Institute? (In Rupees) 100000 | No |
| 6 | Enhancing Work Culture Through Yoga Meditation   | Innovation               | Workshop          | CTAE | Govt. Agency (State) | 05-03-2020 00:00:00 | 05-03-2020 00:00:00 | 1  | 70  | 0  | 70  | No | --- | --- |    | Total Total Expense Amount Incurred by Institute? (In Rupees) 50000  | No |
| 7 | Workshop- Recent Advances in surface and underground mining  | Entrepreneurship/Startup | Workshop          | CTAE | Govt. Agency (State) | 10-04-2019 00:00:00 | 10-04-2019 00:00:00 | 1  | 100 | 0  | 100 | No | --- | --- |    | Total Total Expense Amount Incurred by Institute? (In Rupees) 50000  | No |
| 8 | Induction Programme  | Innovation               | Skill development | CTAE | Govt. Agency (State) | 22-07-2019 00:00:00 | 09-08-2019 00:00:00 | 19 | 381 | 0  | 381 | No | --- | --- |    | Total Total Expense Amount Incurred by Institute? (In Rupees) 200000 | No |

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|    |   |                          |                   |                            |                        |                     |                     |   |     |   |     |    |     |     |   |        |    |
|----|---|--------------------------|-------------------|----------------------------|------------------------|---------------------|---------------------|---|-----|---|-----|----|-----|-----|---|--------|----|
| 9  | Quiz-Engenius 19  | Entrepreneurship/Startup | Skill development | CTAE                       | Govt. Agency (State)   | 13-09-2019 00:00:00 | 13-09-2019 00:00:00 | 1 | 50  | 0 | 50  | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 25000  | No |
| 10 | Skill Development workshop to build mini solar products | Innovation               | Workshop          | CTAE                       | Govt. Agency (State)   | 02-10-2019 00:00:00 | 02-10-2019 00:00:00 | 1 | 50  | 0 | 50  | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 100000 | No |
| 11 | Spoken Tutorial Fee                                     | Entrepreneurship/Startup | Skill development | CTAE                       | Govt. Agency (State)   | 19-11-2019 00:00:00 | 19-11-2019 00:00:00 | 1 | 156 | 0 | 156 | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 100000 | No |
| 12 | Internal Hackathon                                      | Entrepreneurship/Startup | Hackathon         | CTAE                       | Govt. Agency (State)   | 01-02-2020 00:00:00 | 01-02-2020 00:00:00 | 1 | 120 | 0 | 120 | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 300000 | No |
| 13 | Fundamentals Application of Microfluids                 | Innovation               | Skill development | MNIT JAIPUR                | Govt. Agency (Central) | 01-04-2019 00:00:00 | 05-04-2019 00:00:00 | 5 | 8   | 0 | 8   | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 25000  | No |
| 14 | ICCOMET 2019  | Entrepreneurship/Startup | Conference        | JECRC JAIPUR               | Educational Institute  | 06-04-2019 00:00:00 | 07-04-2019 00:00:00 | 2 | 2   | 0 | 2   | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 10000  | No |
| 15 | MCNC 2019   | Entrepreneurship/Startup | Conference        | INDIA INTERNATIONAL CENTRE | Govt. Agency (Central) | 11-04-2019 00:00:00 | 12-04-2019 00:00:00 | 2 | 1   | 0 | 1   | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 10000  | No |
| 16 | EXODIA 19 Technical Fest                                | Entrepreneurship/Startup | Training          | IIT MANDI                  | Govt. Agency (Central) | 12-04-2019 00:00:00 | 14-04-2019 00:00:00 | 3 | 47  | 0 | 47  | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 15000  | No |

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|    |  |                          |            |             |                        |                     |                     |    |    |   |    |    |     |     |   |        |    |
|----|--|--------------------------|------------|-------------|------------------------|---------------------|---------------------|----|----|---|----|----|-----|-----|---|--------|----|
| 17 | Advances in Food Processing for Sustainable Food Security 2019 | Entrepreneurship/Startup | Conference | MNIT JAIPUR | Govt. Agency (Central) | 17-05-2019 00:00:00 | 18-05-2019 00:00:00 | 2  | 1  | 0 | 1  | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 10000  | No |
| 18 | Summer Internship  | Entrepreneurship/Startup | Training   | IIT KANPUR  | Govt. Agency (Central) | 24-05-2019 00:00:00 | 26-06-2019 00:00:00 | 34 | 1  | 0 | 1  | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 100000 | No |
| 19 | Summer Internship  | Entrepreneurship/Startup | Conference | MNIT        | Govt. Agency (Central) | 20-05-2019 00:00:00 | 05-07-2019 00:00:00 | 47 | 2  | 0 | 2  | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 200000 | No |
| 20 | Summer Internship  | Entrepreneurship/Startup | Conference | MNIT        | Govt. Agency (Central) | 20-05-2019 00:00:00 | 28-06-2019 00:00:00 | 40 | 21 | 0 | 21 | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 200000 | No |
| 21 | Summer Internship  | Entrepreneurship/Startup | Conference | IIT BOMBAY  | Govt. Agency (Central) | 23-05-2019 00:00:00 | 10-07-2019 00:00:00 | 49 | 6  | 0 | 6  | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 200000 | No |
| 22 | Summer Internship  | Entrepreneurship/Startup | Training   | MNIT JAIPUR | Govt. Agency (Central) | 27-05-2019 00:00:00 | 30-06-2019 00:00:00 | 35 | 1  | 0 | 1  | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 200000 | No |
| 23 | Summer Internship  | Entrepreneurship/Startup | Training   | MNIT        | Govt. Agency (Central) | 27-05-2019 00:00:00 | 05-07-2019 00:00:00 | 40 | 1  | 0 | 1  | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 200000 | No |
| 24 | Summer Internship  | Entrepreneurship/Startup | Training   | IIT         | Govt. Agency (Central) | 01-06-2019 00:00:00 | 30-06-2019 00:00:00 | 30 | 1  | 0 | 1  | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 200000 | No |



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|    |   |                          |                   |   |                        |                        |                        |    |    |   |    |    |     |     |   |        |    |
|----|---|--------------------------|-------------------|---|------------------------|------------------------|------------------------|----|----|---|----|----|-----|-----|---|--------|----|
| 25 | TTC<br>CLW<br>Chittranjan   | Entrepreneurship/Startup | Training          | MINISTRY OF RAILWAY                     | Govt. Agency (Central) | 01-06-2019<br>00:00:00 | 30-06-2019<br>00:00:00 | 30 | 2  | 0 | 2  | No | --- | --- | Total<br>Total<br>Expense<br>Amount<br>Incurred by<br>Institute? (In<br>Rupees) | 200000 | No |
| 26 | Summer Internship   | Entrepreneurship/Startup | Training          | MNIT                                    | Govt. Agency (Central) | 01-06-2019<br>00:00:00 | 30-06-2019<br>00:00:00 | 30 | 1  | 0 | 1  | No | --- | --- | Total<br>Total<br>Expense<br>Amount<br>Incurred by<br>Institute? (In<br>Rupees) | 100000 | No |
| 27 | IJIEEE International Conference on Intelligent Communication and Computational Techniques | Entrepreneurship/Startup | Conference        | IJIEEE                                  | Govt. Agency (Central) | 07-07-2019<br>00:00:00 | 07-07-2019<br>00:00:00 | 1  | 1  | 0 | 1  | No | --- | --- | Total<br>Total<br>Expense<br>Amount<br>Incurred by<br>Institute? (In<br>Rupees) | 5000   | No |
| 28 | Challenges in Agriculture and Allied Sciences Research                                    | Entrepreneurship/Startup | Conference        | CENTRAL SILK BOARD MINISTRY OF TEXTILES | Govt. Agency (Central) | 20-07-2019<br>00:00:00 | 20-07-2019<br>00:00:00 | 1  | 1  | 0 | 1  | No | --- | --- | Total<br>Total<br>Expense<br>Amount<br>Incurred by<br>Institute? (In<br>Rupees) | 5000   | No |
| 29 | Academic Interaction with faculty and research scholars                                   | Entrepreneurship/Startup | Skill development | MNIT                                    | Govt. Agency (Central) | 19-08-2019<br>00:00:00 | 23-08-2019<br>00:00:00 | 5  | 16 | 0 | 16 | No | --- | --- | Total<br>Total<br>Expense<br>Amount<br>Incurred by<br>Institute? (In<br>Rupees) | 5000   | No |
| 30 | Workshop Technique-2019   | Innovation               | Workshop          | IIT                                     | Govt. Agency (Central) | 30-08-2019<br>00:00:00 | 01-09-2019<br>00:00:00 | 3  | 10 | 0 | 10 | No | --- | --- | Total<br>Total<br>Expense<br>Amount<br>Incurred by<br>Institute? (In<br>Rupees) | 15000  | No |
| 31 | Khanan-2019 Geo-Mining Fest   | Innovation               | Training          | IIT ISM                                 | Govt. Agency (Central) | 06-09-2019<br>00:00:00 | 08-09-2019<br>00:00:00 | 3  | 7  | 0 | 7  | No | --- | --- | Total<br>Total<br>Expense<br>Amount<br>Incurred by<br>Institute? (In<br>Rupees) | 15000  | No |

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

|    |                              |                          |                   |             |                        |                     |                     |   |     |   |     |    |     |     |   |       |    |
|----|------------------------------|--------------------------|-------------------|-------------|------------------------|---------------------|---------------------|---|-----|---|-----|----|-----|-----|---|-------|----|
| 32 | Udghosh-19 (Sports Festival) | Innovation               | Skill development | IIT         | Govt. Agency (Central) | 27-09-2019 00:00:00 | 29-09-2019 00:00:00 | 3 | 7   | 0 | 7   | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 15000 | No |
| 33 | Rendezvous-19                | Innovation               | Workshop          | IIT         | Govt. Agency (Central) | 03-10-2019 00:00:00 | 05-10-2019 00:00:00 | 3 | 51  | 0 | 51  | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 15000 | No |
| 34 | Alumni Meet                  | Innovation               | Skill development | CTAE        | Govt. Agency (State)   | 12-10-2019 00:00:00 | 12-10-2019 00:00:00 | 1 | 263 | 0 | 263 | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 5000  | No |
| 35 | Thomson-19                   | Entrepreneurship/Startup | Skill development | IIT ROORKEE | Govt. Agency (Central) | 18-10-2019 00:00:00 | 20-10-2019 00:00:00 | 3 | 15  | 0 | 15  | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 15000 | No |
| 36 | ATMOS-19                     | Innovation               | Workshop          | BITS        | Govt. Agency (Central) | 18-10-2019 00:00:00 | 20-10-2019 00:00:00 | 3 | 8   | 0 | 8   | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 15000 | No |
| 37 | Great Step-19                | Innovation               | Skill development | Kharagpur   | Govt. Agency (Central) | 18-10-2019 00:00:00 | 20-10-2019 00:00:00 | 3 | 5   | 0 | 5   | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 15000 | No |
| 38 | Avenues 19                   | Innovation               | Workshop          | IIT BOMBAY  | Govt. Agency (Central) | 19-10-2019 00:00:00 | 20-10-2019 00:00:00 | 2 | 11  | 0 | 11  | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 10000 | No |
| 39 | Waves 2019                   | Innovation               | Skill development | BITS GOA    | Govt. Agency (Central) | 01-11-2019 00:00:00 | 03-11-2019 00:00:00 | 3 | 9   | 0 | 9   | No | --- | --- | Total Total Expense Amount Incurred by Institute? (In Rupees) | 10000 | No |

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

|    |   |                          |                   |  |                        |                     |                     |   |   |   |   |    |     |     |   |       |    |
|----|---|--------------------------|-------------------|--|------------------------|---------------------|---------------------|---|---|---|---|----|-----|-----|---|-------|----|
| 40 | Internet on Things                                    | Entrepreneurship/Startup | Training          | JAGDISH CHANDRA BOSE RESEARCH ORGANIZATION | Govt. Agency (Central) | 21-10-2019 00:00:00 | 23-10-2019 00:00:00 | 3 | 1 | 0 | 1 | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 20000 | No |
| 41 | ACM ICPC 2019 National Level Coding Competition       | Innovation               | Skill development | IIT KANPUR                                 | Govt. Agency (Central) | 18-10-2019 00:00:00 | 18-10-2019 00:00:00 | 1 | 7 | 0 | 7 | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 20000 | No |
| 42 | Robothlon-19  | Innovation               | Workshop          | IIT DELHI                                  | Govt. Agency (Central) | 04-10-2019 00:00:00 | 04-10-2019 00:00:00 | 1 | 5 | 0 | 5 | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 20000 | No |
| 43 | AMALTHEA 19 Idea Presentation                         | Innovation               | Skill development | IIT BOMBAY                                 | Govt. Agency (Central) | 19-10-2019 00:00:00 | 20-10-2019 00:00:00 | 2 | 2 | 0 | 2 | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 20000 | No |
| 44 | Annual Techno Management Festival Technique 3 Student | Entrepreneurship/Startup | Training          | CTAE                                       | Govt. Agency (Central) | 29-08-2019 00:00:00 | 01-09-2019 00:00:00 | 4 | 3 | 0 | 3 | No | --- | --- | Total Expense Amount Incurred by Institute? (In Rupees) | 20000 | No |

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

| Srno | Title of Course/Subject Offered                          | Program Theme            | Type of Course              | Course Offering Department/Centre/Unit Name | Level of Course | Program Start Date | Program End Date | Program Duration(In Days) | Mode of Delivery | Total Numbers of Participants | Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours) |
|------|--|--------------------------|-----------------------------|---|-----------------|--------------------|------------------|---------------------------|------------------|-------------------------------|--|
| 1    | ME478(a) (OE) ENTREPRENEURSHIP AND INDUSTRIAL MANAGEMENT | Entrepreneurship/Startup | Elective/Core Credit Course | Bachelor                                    | Mechanical      | 01-07-2019         | 31-03-2020       | 275                       | Offline          | 60                            | 44   |

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

**No Data Filled!**

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

**No Data Filled!**

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

| Srno | Name of Student Club      | Type of Club    | Year of Establishment | Type of Facilities Available at the Club | Student Club with Access to Other I&E Facilities at the HEI | No of Programs/Activities Organized by the Student Club During the AY 2019-20 | Student Club Team Lead Name | Student Club Team Lead Email | Student Club Team Lead Phone |
|------|---------------------------|-----------------|-----------------------|--|---|---|-----------------------------|------------------------------|------------------------------|
| 1    | Photography and cine club | Innovation Club | 2018                  | Co-working Space                         | Innovation Labs   | 4   | Gopal Sharma                | gopalsharma@gmail.com        | 7568400945                   |

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

| Srno                    | Name of Pre-Incubation Centre | Type of Facility | Year of Establishment | Type of Facilities Available at the Centre | Pre-Incubation with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional) | Facility Details  | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation 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                       | New Zen IEDC, CTAE            | New Gen IEDC     | 2017                  | Co-working Space                           | Incubation Unit   | Incubation Unit   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. N.K. Jain</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nkjain@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7976731687</td> </tr> </table> | Facility Incharge Name  | Dr. N.K. Jain   | Facility Incharge Email  | nkjain@gmail.com   | Facility Incharge Phone | 7976731687 | 4 | Yes | No | Yes |
| Facility Incharge Name  | Dr. N.K. Jain                 |                  |                       |  |   |   |   |   |   |  |  |                         |            |   |     |    |     |
| Facility Incharge Email | nkjain@gmail.com              |                  |                       |  |   |   |   |   |   |  |  |                         |            |   |     |    |     |
| Facility Incharge Phone | 7976731687                    |                  |                       |  |   |   |   |   |   |  |  |                         |            |   |     |    |     |
| Source of Grant / Fund  |                               |                  | Agency Name           |  |   | Agency Type   |   |   | Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)   |  |  |                         |            |   |     |    |     |
| Funding Agency          |                               |                  | DST Govt of India     |  |   | Govt. Agency (Central)  |   |   | 6000000   |  |  |                         |            |   |     |    |     |

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

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

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

|                         |                  |      |                 |                   |   |                        |               |                         |                  |                         |            |   |     |    |    |
|-------------------------|------------------|------|-----------------|-------------------|---|------------------------|---------------|-------------------------|------------------|-------------------------|------------|---|-----|----|----|
| 1                       | New Gen IEDC     | 2019 | Innovation Labs | DST Govt of India | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. N.K. Jain</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nkjain@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7976731687</td> </tr> </table> | Facility Incharge Name | Dr. N.K. Jain | Facility Incharge Email | nkjain@gmail.com | Facility Incharge Phone | 7976731687 | 3 | Yes | No | No |
| Facility Incharge Name  | Dr. N.K. Jain    |      |                 |                   |   |                        |               |                         |                  |                         |            |   |     |    |    |
| Facility Incharge Email | nkjain@gmail.com |      |                 |                   |   |                        |               |                         |                  |                         |            |   |     |    |    |
| Facility Incharge Phone | 7976731687       |      |                 |                   |   |                        |               |                         |                  |                         |            |   |     |    |    |

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

| Srno                    | Name of Incubation Facility           | Year of Establishment | Incubation with Access to Other I&E Facilities at the HEI | Name of the Funding Schemes Available with Incubation Unit, if any (Optional) | Facility Details   | Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility | Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20? | Had institute Generated Income either from Services Offered by Incubation Centre/Facilities? | Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities? |                         |            |   |    |    |    |
|-------------------------|---------------------------------------|-----------------------|---|---|--|---|--|--|--|-------------------------|------------|---|----|----|----|
| 1                       | Technology business incubation center | 2017                  | Innovation Labs   | Raj Govt.   | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Vikram aditya Dave</td> </tr> <tr> <td>Facility Incharge Email</td> <td>vdiditya1000@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9414737956</td> </tr> </table> | Facility Incharge Name  | Dr. Vikram aditya Dave   | Facility Incharge Email  | vdiditya1000@gmail.com   | Facility Incharge Phone | 9414737956 | 2 | No | No | No |
| Facility Incharge Name  | Dr. Vikram aditya Dave                |                       |   |   |  |   |  |  |  |                         |            |   |    |    |    |
| Facility Incharge Email | vdiditya1000@gmail.com                |                       |   |   |  |   |  |  |  |                         |            |   |    |    |    |
| Facility Incharge Phone | 9414737956                            |                       |   |   |  |   |  |  |  |                         |            |   |    |    |    |

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

|                        |  |  |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|--|--|
| <b>No Data Filled!</b> |  |  |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|--|--|

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

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

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

|                         |                    |      |                 |                  |  |                        |                  |                         |                    |                         |            |   |     |    |    |
|-------------------------|--------------------|------|-----------------|------------------|--|------------------------|------------------|-------------------------|--------------------|-------------------------|------------|---|-----|----|----|
| 1                       | IPR CELL MPUAT     | 2019 | Innovation Labs | MPUAT University | <table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. S. M. Mathur</td> </tr> <tr> <td>Facility Incharge Email</td> <td>smmathur@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9460028535</td> </tr> </table> | Facility Incharge Name | Dr. S. M. Mathur | Facility Incharge Email | smmathur@gmail.com | Facility Incharge Phone | 9460028535 | 2 | Yes | No | No |
| Facility Incharge Name  | Dr. S. M. Mathur   |      |                 |                  |  |                        |                  |                         |                    |                         |            |   |     |    |    |
| Facility Incharge Email | smmathur@gmail.com |      |                 |                  |  |                        |                  |                         |                    |                         |            |   |     |    |    |
| Facility Incharge Phone | 9460028535         |      |                 |                  |  |                        |                  |                         |                    |                         |            |   |     |    |    |

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

| Srno                                      | Name of the Faculty   | Designation of the Faculty                | Mentor Expert Area                   | Years of Experience in Mentorship (In Years) |
|---|-----------------------|---|--------------------------------------|--|
| 1   | Dr. Vikramaditya Dave | Assistant Professor                       | Entrepreneurship/Startup Development | 19   |
| Name of Idea/Innovation/ Startup Mentored |                       | Mentoring Setup [Within (or) Outside] HEI |                                      | CIN (in case it is Startup)                  |
| Development of MINI SOLAR Product         |                       | Within                                    |                                      |  |
| 2   | Dr. S.M. Matur        | Emeritus Professor                        | Entrepreneurship/Startup Development | 30   |
| Name of Idea/Innovation/ Startup Mentored |                       | Mentoring Setup [Within (or) Outside] HEI |                                      | CIN (in case it is Startup)                  |
| Agriculture Tools                         |                       | Within                                    |                                      |  |

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

|                        |
|------------------------|
| <b>No Data Filled!</b> |
|------------------------|

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

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



