



Full Data Report

[Generate Validate Report](#)
[Back \(/DSP/Dashboard\)](#)


Narula Institute of Technology [ARI-C-6257][C-6257]

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

| Completion of Action Items (status as on 7th November 2022) | Status |
|--|--------|
| Registered in the NISP portal for I&E Policy Adoption | Yes |
| Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy | Yes |
| Institute has Action Plans for Implementation of the I&E Policy | Yes |

Contact:

| | |
|---------------|---|
| Faculty Name: | Dr. Sriparna Guha |
| Designation: | Assistant Professor, Dept. of Business Administration |
| Email ID: | sriparna.guha@nit.ac.in |
| Mobile No. | 9831439941 |

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

| Annual Performances of IIC Institute | Stars Secured |
|--------------------------------------|---------------|
| IIC 1.0 (2018-19) | 1,2 |
| IIC 2.0 (2019-20) | 5 |
| IIC 3.0 (2020-21) | 4 |
| IIC 4.0 (2021-22) | 4 |

Contact:

| | |
|---------------------------------|---------------------------------|
| IIC President of the Institute: | Prof (Dr) Maitreyi Ray Kanjilal |
| Designation: | Principal |
| Email ID: | principal_nit@jisgroup.org |
| Mobile No. | 9433035580 |

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

| Sr. No. | Name of the Faculty IA | Level of Training | No of I&E Expert Talks/Sessions Conducted |
|---------|------------------------------|-------------------|---|
| 1 | Susmita Das | Advance | 10 |
| 2 | Dr. Sandhya Pattanayak | Advance | 23 |
| 3 | DR.ANILESH DEY | Advance | 5 |
| 4 | Sumanta Kundu | Advance | 1 |
| 5 | Dr. Sriparna Guha | Advance | 7 |
| 6 | Prof. (Dr.) Bidyut K Medya | Basic | 0 |
| 7 | Mr. Shiladitya Mandal | Basic | 0 |
| 8 | Mr.Goutam Roy | Basic | 5 |
| 9 | Ms. Pratyusha Biswas Deb | Basic | 4 |
| 10 | Mr. Soumya Bhattacharyya | Advance | 2 |
| 11 | Ms. Rupa Saha | Basic | 4 |
| 12 | Dr. Dhananjay Kumar Tripathi | Basic | 4 |
| 13 | Ms. Punita Gaba | Basic | 1 |
| 14 | Mr. Arkendu Mitra | Basic | 2 |
| 15 | Dr. Rupa Bhattacharyya | Advance | 10 |
| 16 | DR. SUSMITA KARAN | Advance | 3 |
| 17 | Mr. Kaushik Sarkar | Basic | 1 |
| 18 | Prof.Dr.Amlan Chakrabarti | Basic | 5 |

| Sr. No. | Name of the Faculty IA | Level of Training | No of I&E Expert Talks/Sessions Conducted |
|---------|-----------------------------------|-------------------|---|
| 19 | Dr. Nidhi Singh | Basic | 5 |
| 20 | Dr. Papri Ghosh | Advance | 5 |
| 21 | Prof. (Dr.) Maitreyi Ray kanjilal | Basic | 6 |
| 22 | Prof. (Dr.) Bidyut K Medya | Basic | 2 |

1.4) Participation in KAPILA/SIH Program

| | | |
|--|--------|-----|
| HEI Registered in the KAPILA Portal | C-6257 | Yes |
| HEI Participated in the Smart India Hackathon (2022) | C-6257 | Yes |

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|------|-----------------|-------------|---------------|----------------|-----------------|---|--------------------|---------------------|---------------------|
| 1 | PROJECT III | PR 391 | 2020-21 | Core Course | Bachelor | Mechanical Engineering | 1 | 02-08-2020 00:00:00 | 03-12-2020 00:00:00 |
| 2 | Project IV | PR 491 | 2020-21 | Core Course | Bachelor | Mechanical Engineering | 1 | 02-02-2021 00:00:00 | 03-06-2021 00:00:00 |
| 3 | Project V | PR 591 | 2020-21 | Core Course | Bachelor | Mechanical Engineering | 1 | 02-08-2020 00:00:00 | 03-12-2020 00:00:00 |
| 4 | Project VI | PR 691 | 2020-21 | Core Course | Bachelor | Mechanical Engineering | 1 | 02-02-2021 00:00:00 | 03-06-2021 00:00:00 |
| 5 | Project-I | ME 781 | 2020-21 | Core Course | ,Bachelor | Mechanical Engineering | 3 | 02-08-2020 00:00:00 | 03-12-2020 00:00:00 |
| 6 | Project-II | ME 881 | 2020-21 | Core Course | ,Bachelor | Mechanical Engineering | 6 | 02-02-2021 00:00:00 | 03-06-2021 00:00:00 |
| 7 | Project III | PR 391 | 2021-22 | Core Course | ,Bachelor | Mechanical Engineering | 1 | 02-08-2021 00:00:00 | 03-12-2021 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|------|---------------------------------------|-------------|---------------|-----------------|-----------------|---|--------------------|---------------------|---------------------|
| 8 | Project IV | PR 491 | 2021-22 | Core Course | ,Bachelor | Mechanical Engineering | 1 | 02-02-2022 00:00:00 | 30-04-2022 00:00:00 |
| 9 | Project V | PR 591 | 2021-22 | Core Course | ,Bachelor | Mechanical Engineering | 1 | 02-08-2021 00:00:00 | 12-12-2021 00:00:00 |
| 10 | Project VI | PR 691 | 2021-22 | Core Course | ,Bachelor | Mechanical Engineering | 1 | 02-02-2022 00:00:00 | 30-04-2022 00:00:00 |
| 11 | Project-VII | PR791 | 2021-22 | Core Course | ,Bachelor | Mechanical Engineering | 1 | 02-08-2021 00:00:00 | 03-12-2021 00:00:00 |
| 12 | Minor Project | PR 792 | 2021-22 | Core Course | ,Bachelor | Mechanical Engineering | 1 | 02-08-2021 00:00:00 | 03-12-2021 00:00:00 |
| 13 | Project-VIII (Part II) | PR 891 | 2021-22 | Core Course | Bachelor | Mechanical Engineering | 3 | 02-02-2022 00:00:00 | 30-04-2022 00:00:00 |
| 14 | Research Methodology and IPR | CSM105 | 2021-22 | Core Course | Master | Computer Science and Engineering | 4 | 01-09-2021 00:00:00 | 24-12-2021 00:00:00 |
| 15 | Entrepreneurship | CSM205A | 2021-22 | Elective Course | ,Master | Computer Science and Engineering | 4 | 03-01-2022 00:00:00 | 30-04-2022 00:00:00 |
| 16 | Research Methodology and IPR | CSM105 | 2020-21 | Core Course | ,Bachelor | Computer Science and Engineering | 4 | 02-09-2020 00:00:00 | 24-12-2020 00:00:00 |
| 17 | Entrepreneurship and Innovation Skill | MC781 | 2021-22 | Core Course | ,Bachelor | Computer Science and Engineering | 3 | 02-09-2021 00:00:00 | 24-12-2021 00:00:00 |
| 18 | Research Methodology and IPR | GTE 105 | 2021-22 | Core Course | Master | Civil Engineering | 2 | 01-09-2021 00:00:00 | 02-12-2021 00:00:00 |
| 19 | Research Methodology and IPR | SE105 | 2021-22 | Core Course | Master | Civil Engineering | 2 | 02-09-2021 00:00:00 | 02-12-2021 00:00:00 |
| 20 | Project-VII | CS 791 | 2021-22 | Core Course | Bachelor | Computer science and Engineering | 3 | 02-08-2021 00:00:00 | 02-12-2021 00:00:00 |
| 21 | Project-VIII | CS 892 | 2021-22 | Core Course | Bachelor | Computer science and Engineering | 3 | 02-02-2022 00:00:00 | 30-04-2022 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|------|--------------------|-------------|---------------|----------------|-----------------|---|--------------------|---------------------|---------------------|
| 22 | Project-1 | CS795 | 2020-21 | Core Course | ,Bachelor | Computer science and Engineering | 2 | 03-08-2020 00:00:00 | 02-12-2020 00:00:00 |
| 23 | Project 2 | CS892 | 2020-21 | Core Course | ,Bachelor | Computer science and Engineering | 6 | 01-02-2021 00:00:00 | 30-04-2021 00:00:00 |
| 24 | Project I | EC 781 | 2020-21 | Core Course | ,Bachelor | Electronics and Communication Engineering | 3 | 03-08-2020 00:00:00 | 02-12-2020 00:00:00 |
| 25 | Project II | EC881 | 2020-21 | Core Course | Bachelor | Electronics and Communication Engineering | 6 | 01-02-2021 00:00:00 | 30-04-2021 00:00:00 |
| 26 | Project-VII | PR 791 | 2021-22 | Core Course | Bachelor | Electronics and Communication Engineering | 3 | 02-08-2021 00:00:00 | 02-12-2021 00:00:00 |
| 27 | Project-VIII | PR 891 | 2021-22 | Core Course | Bachelor | Electronics and Communication Engineering | 3 | 01-02-2022 00:00:00 | 30-04-2022 00:00:00 |
| 28 | PROJECT-I | IT782 | 2020-21 | Core Course | ,Bachelor | Information Technology | 3 | 03-08-2020 00:00:00 | 02-12-2020 00:00:00 |
| 29 | PROJECT II | IT 882 | 2020-21 | Core Course | ,Bachelor | Information Technology | 6 | 01-02-2021 00:00:00 | 30-04-2021 00:00:00 |
| 30 | Project-VII | PR 791 | 2021-22 | Core Course | ,Bachelor | Information Technology | 4 | 02-08-2021 00:00:00 | 02-12-2021 00:00:00 |
| 31 | Project-VIII | PR 891 | 2021-22 | Core Course | ,Bachelor | Information Technology | 4 | 01-02-2022 00:00:00 | 30-04-2022 00:00:00 |
| 32 | Assigned Project I | EE 781 | 2020-21 | Core Course | ,Bachelor | Electrical Engineering | 4 | 03-08-2020 00:00:00 | 02-12-2020 00:00:00 |
| 33 | Project and Thesis | EE 881 | 2020-21 | Core Course | ,Bachelor | Electrical Engineering | 6 | 01-02-2021 00:00:00 | 30-04-2021 00:00:00 |
| 34 | Project I | CE 781 | 2020-21 | Core Course | ,Bachelor | Civil Engineering | 4 | 03-08-2020 00:00:00 | 02-12-2020 00:00:00 |
| 35 | Project II | CE881 | 2020-21 | Core Course | ,Bachelor | Civil Engineering | 6 | 02-02-2021 00:00:00 | 30-04-2021 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|------|----------------------|-------------|---------------|----------------|-----------------|---|--------------------|---------------------|---------------------|
| 36 | Project VII | PR 791 | 2021-22 | Core Course | ,Bachelor | Electrical Engineering | 3 | 02-08-2021 00:00:00 | 01-12-2021 00:00:00 |
| 37 | Project VIII | PR 891 | 2021-22 | Core Course | ,Bachelor | Electrical Engineering | 4 | 01-02-2022 00:00:00 | 30-04-2022 00:00:00 |
| 38 | Project-VII | PR 791 | 2021-22 | Core Course | ,Bachelor | Civil Engineering | 3 | 02-08-2021 00:00:00 | 01-12-2021 00:00:00 |
| 39 | Project-VIII | PR891 | 2021-22 | Core Course | ,Bachelor | Civil Engineering | 3 | 01-02-2022 00:00:00 | 30-04-2022 00:00:00 |
| 40 | Project 1 | EI 793 | 2020-21 | Core Course | ,Bachelor | Electronics and Instrumentation Engineering | 2 | 03-08-2020 00:00:00 | 03-12-2020 00:00:00 |
| 41 | Project 2 | EI 892 | 2020-21 | Core Course | ,Bachelor | Electronics and Instrumentation Engineering | 6 | 01-02-2021 00:00:00 | 30-04-2021 00:00:00 |
| 42 | Project VII | PR 791 | 2021-22 | Core Course | ,Bachelor | Electronics and Instrumentation Engineering | 3 | 02-08-2021 00:00:00 | 01-12-2021 00:00:00 |
| 43 | Project-VIII | PR 891 | 2021-22 | Core Course | ,Bachelor | Electronics and Instrumentation Engineering | 3 | 01-02-2021 00:00:00 | 02-04-2021 00:00:00 |
| 44 | Research Methodology | MECE 301 | 2020-21 | Core Course | Master | Electronics and Communication Engineering | 2 | 01-09-2020 00:00:00 | 04-12-2020 00:00:00 |
| 45 | Thesis Part-I | MECE 393 | 2020-21 | Core Course | ,Master | Electronics and Communication Engineering | 6 | 03-08-2020 00:00:00 | 02-12-2020 00:00:00 |
| 46 | Thesis Part-II | MECE 491 | 2020-21 | Core Course | Master | Electronics and Communication Engineering | 6 | 01-02-2021 00:00:00 | 30-04-2021 00:00:00 |
| 47 | Research Methodology | MECE 301 | 2021-22 | Core Course | Master | Electronics and Communication Engineering | 2 | 02-08-2021 00:00:00 | 01-12-2021 00:00:00 |
| 48 | Thesis Part I | MECE 393 | 2021-22 | Core Course | Master | Electronics and Communication Engineering | 5 | 02-08-2021 00:00:00 | 01-12-2021 00:00:00 |
| 49 | Thesis Part-II | MECE 491 | 2021-22 | Core Course | Master | Electronics and Communication Engineering | 6 | 01-02-2022 00:00:00 | 30-04-2022 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|------|--|-------------|---------------|----------------|-----------------|---|--------------------|---------------------|---------------------|
| 50 | Pre-Submission Defense of Dissertation | PSM 391 | 2020-21 | Core Course | Master | Electrical Engineering | 4 | 03-08-2020 00:00:00 | 01-12-2020 00:00:00 |
| 51 | Dissertation (Phase-I) | PSM 392 | 2020-21 | Core Course | Master | Electrical Engineering | 6 | 03-08-2020 00:00:00 | 01-12-2020 00:00:00 |
| 52 | Dissertation (Phase-II) | PSM 491 | 2020-21 | Core Course | Master | Electrical Engineering | 6 | 01-02-2021 00:00:00 | 29-05-2021 00:00:00 |
| 53 | Pre-Submission Defense of Dissertation | PSM 391 | 2021-22 | Core Course | Master | Electrical Engineering | 4 | 30-07-2021 00:00:00 | 01-12-2021 00:00:00 |
| 54 | Dissertation (Phase-I) | PSM 392 | 2021-22 | Core Course | Master | Electrical Engineering | 6 | 02-08-2021 00:00:00 | 01-12-2021 00:00:00 |
| 55 | Dissertation (Phase-II) | PSM 491 | 2021-22 | Core Course | Master | Electrical Engineering | 6 | 01-02-2022 00:00:00 | 29-04-2022 00:00:00 |

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP/FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date |
|------|--|---------------|-----------------------------------|--|--|---------------------|---------------------|
| 1 | Recent Trends in Internet of Things (IoT) and Embedded System Based Monitoring and Control of Distributed Generation (Phase-III) | 2020-21 | Faculty Development Program (FDP) | Central Govt. Agency | Electrical Engineering | 24-08-2020 00:00:00 | 29-08-2020 00:00:00 |
| 2 | Data Science and Machine Learning Phase I | 2020-21 | Short-term Certificate Program | Central Govt. Agency | Computer Science and Engineering | 24-05-2021 00:00:00 | 28-05-2021 00:00:00 |

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP/FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date |
|------|---|---------------|--------------------------------|--|--|---------------------|---------------------|
| 3 | Data Science and Machine Learning Phase-II | 2020-21 | Short-term Certificate Program | Central Govt. Agency | Computer Science and Engineering | 07-06-2021 00:00:00 | 11-06-2021 00:00:00 |
| 4 | Data Science and Machine Learning Phase-III | 2020-21 | Short-term Certificate Program | Central Govt. Agency | Computer Science and Engineering | 21-06-2021 00:00:00 | 25-06-2021 00:00:00 |
| 5 | Android | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 6 | Arduino | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 7 | ML with Pyrthon | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 8 | AI | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 9 | Cyber Security | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 10 | Python | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 11 | PLC SCADA | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 12 | ML | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 13 | STADD Pro | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 14 | ETABS | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 15 | Auto Cad | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 24-08-2020 00:00:00 | 31-08-2020 00:00:00 |
| 16 | Andriod | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP/FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date |
|-------------|----------------------------------|----------------------|------------------------------------|---|---|---------------------------|-------------------------|
| 17 | C Plus Plus Java | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 18 | Computer Aided Power System | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 19 | Cyber security | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 20 | FPGA | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 21 | IOT | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 22 | ML with Python | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 23 | PHP with MySQL | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 24 | Python | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 25 | Revit | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 26 | BASICS OF SENSOR and TRANSDUCERS | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 27 | C Plus Plus Java | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 28 | Computer Aided Power System | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 29 | Cyber security | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 30 | IOT | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP/FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date |
|------|---|---------------|--------------------------------|--|--|---------------------|---------------------|
| 31 | ML with Python 1 | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 32 | PHP with My SQL | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 33 | PLC SCADA | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 34 | Python | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 35 | Andriod | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 36 | BASICS OF SENSOR and TRANSDUCERS | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 17-05-2021 00:00:00 | 21-05-2021 00:00:00 |
| 37 | Industrial Automation | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 38 | Introduction to Matlab and its application | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 39 | Machine Learning using Python | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 40 | Matlab | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 41 | Modern Manufacturing Techniques in Industry | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 42 | Python Programming | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 43 | Web Development using Python | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 44 | Cloud Computing using AWS DevOps Tools | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP/FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date |
|------|---|---------------|--------------------------------|--|--|---------------------|---------------------|
| 45 | Data Science with Artificial Intelligence | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 26-02-2022 00:00:00 |
| 46 | Robotic Manipulator | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 47 | Industrial Automation | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 48 | Introduction to Matlab | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 49 | Machine Learning using Python | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 50 | Python Programming | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 51 | Smart Grid Technology | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 52 | SPICE VHDL and FPGA | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 53 | IOT and Data Analytics | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 54 | Building Information Modeling | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Training and Placement Cell | 18-02-2022 00:00:00 | 24-02-2022 00:00:00 |
| 55 | Recent Trends in Signal Processing | 2021-22 | Short-term Certificate Program | Central Govt. Agency | Electronics and Communication Engineering | 24-01-2022 00:00:00 | 31-01-2022 00:00:00 |

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (\geq 600 Sq. Ft. Floor Area)

| Sr. No. | Type of the Unit | Name of Unit | In-charge Name | Contact no | Email | Govt. Schemes |
|---------|------------------|---|----------------------------|------------|-------------------------------|--|
| 1 | Innovation Cell | Innovation Cell | Prof. (Dr.) M.R.Kanjilal | 9433035580 | principal_nit@jisgroup.org | |
| 2 | EDC | Entrepreneurship Development Cell | Dr. Bansari Deb Majumdar | 9903768390 | head_eie.nit@jisgroup.org | Mentoring Support Incubation Facility Support (Idea to Prototype and Inr Business Plan Development),Inc Facility Support (Innovative Busin Model to Startup Market Linkage & Growth Stage) |
| 3 | Innovation Cell | CII- NIT Innovation Club | Prof. (Dr.)B.K.Medya | 9830160783 | dean_studentaffairs@nit.ac.in | Mentoring Support Incubation Facility Support (Idea to Prototype and Inr Business Plan Development),Inc Facility Support (Innovative Busin Model to Startup Market Linkage & Growth Stage) |
| 4 | Innovation Cell | INSTITUTE'S INNOVATION & INCUBATION COMMITTEE | Prof. (Dr.)M.R.Kanjilal | 9433035580 | principal_nit@jisgroup.org | Mentoring Support Incubation Facility Support (Idea to Prototype and Inr Business Plan Development),Inc Facility Support (Innovative Busin Model to Startup Market Linkage & Growth Stage) |
| 5 | Innovation Cell | JIS Bosch Rexroth Centre of Excellence | Dr. Sumit Chabri | 9830363201 | sumit.chabri@nit.ac.in | Mentoring Support |
| 6 | Innovation Cell | R and D Centre | Prof. (Dr.) M. R. Kanjilal | 9433035580 | principal_nit@jisgroup.org | Mentoring Support Incubation Facility Support (Idea to Prototype and Inr Business Plan Development) |
| 7 | EDC | NIT Startup Club | Mr. Kaushik Sarkar | 9831007884 | kaushik.sarkar@nit.ac.in | Mentoring Support Incubation Facility Support (Idea to Prototype and Inr Business Plan Development) |

| Sr. No. | Type of the Unit | Name of Unit | In-charge Name | Contact no | Email | Govt. Schemes |
|---------|------------------|---------------|------------------------|------------|------------------------------|---|
| 8 | Innovation Cell | NIT Idea Club | Dr. Sandhya Pattanayak | 9002187894 | sandhya.pattanayak@nit.ac.in | Mentoring Support, Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development) |

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

| Sr. No. | Name of Unit | In-charge Name | Contact no | Email | Govt. Schemes |
|---------|---|--------------------------|------------|----------------------------|---------------|
| 1 | Technology Business Incubator- Narula Institute of Technology (TBI-NIT) | Prof. (Dr.) M.R.Kanjilal | 9433035580 | principal_nit@jisgroup.org | MSME |

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

| Sr. No. | Type of the Unit | Name of Unit | In-charge Name | Contact no | Email | Govt. Schemes |
|---------|------------------|--------------|------------------------|------------|------------------------------|---|
| 1 | IPR Cell | IPR CELL | Dr. Rupa Bhattacharyya | 9830225129 | rupa.bhattacharyya@nit.ac.in | Mentoring Support, Seed Grant Support, Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development), Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage) |

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

| Sr. No. | Innovation Name | Developed as part of | FY of Development (FY. 2020-21,2021-22) | TRL Stage | Team Lead/Innovator Name | Current Engagement of Team Lead in Institute | Contact No |
|---------|---|---|---|---|--------------------------|--|------------|
| 1 | Obstacle Avoiding Automatic Smart vacuum Cleaner | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | SWAGATAM KUMAR PAN | Student | |
| 2 | TESLA COIL(Wireless power transfer) | Academic Research Assignment/Industry Sponsored Project | 2021-22 | TRL 5 : Large scale prototype tested in intended environment | RITAM PANTU | Student | |
| 3 | Multi purpose portable hydraulic brake | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Saheb Dey | Student | |
| 4 | Gesture Controlled Car with sensors. | Academic Requirement/Study Project | 2021-22 | TRL 6 : Prototype system tested in intended environment close to expected performance | Soura Bose | Student | |
| 5 | Interactive Robot for assisting elderly person | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Sanmitra Biswas | Student | |
| 6 | Development of Turbo-separator for segregation of waste management in dump yard | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Sanmitra Biswas | Student | |

| Sr. No. | Innovation Name | Developed as part of | FY of Development (FY. 2020-21,2021-22) | TRL Stage | Team Lead/Innovator Name | Current Engagement of Team Lead in Institute | Contact No |
|---------|--|---|---|---|--------------------------|--|------------|
| 7 | Multi purpose portable hydraulic brake | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Saheb Dey | Student | |
| 8 | Hydraulic Traffic reducing system | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Ranajoy Kumar Pal | Student | |
| 9 | AUTOMATED BARRICADE DEPLOYING DEVICE | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Soumya Bhattacharyya | Faculty | |
| 10 | Automated Crop Bundling Device | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Soumya Bhattacharyya | Faculty | |
| 11 | SMART ZEBRA CROSSING SYSTEM AND LI-FI SYSTEM | Academic Requirement/Study Project | 2021-22 | TRL 6 : Prototype system tested in intended environment close to expected performance | MAINAK DEY | Student | |
| 12 | AUTOMATIC RAILWAY COLLISION AVOIDENCE SYSTEM | Independent Assignment/Non-academic Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Biswadip Kundu | Student | |

| Sr. No. | Innovation Name | Developed as part of | FY of Development (FY. 2020-21,2021-22) | TRL Stage | Team Lead/Innovator Name | Current Engagement of Team Lead in Institute | Contact No |
|---------|---|---|---|--|--------------------------|--|------------|
| 13 | IoT webapp monitoring of irrigation system | Academic Requirement/Study Project | 2020-21 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Tanmoy Munshi | Alumni | |
| 14 | The Raddi | Independent Assignment/Non-academic Study Project | 2020-21 | TRL 5 : Large scale prototype tested in intended environment | MD SAQUIB | Student | |
| 15 | Automatic Soil Moisture Control Irrigation System | Academic Requirement/Study Project | 2020-21 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Soumya Bhattacharyya | Faculty | |
| 16 | CRIMINAL FACE DETECTION MECHANISM USING IMAGE RECOGNITION | Academic Requirement/Study Project | 2020-21 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Soumya Bhattacharyya | Faculty | |

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

| Sr. No. | Startup/Venture Name | Startup/Venture Registered as | CIN No/LLP/OPC/RC No | GST No | FY of Establishment | Startup/Venture Recognized by DPIIT/Startup India | FY of Started Receiving Support from the Incubation unit at the Institute |
|---------|----------------------|-------------------------------|----------------------|--------|---------------------|---|---|
|---------|----------------------|-------------------------------|----------------------|--------|---------------------|---|---|

No Data Found

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

| Sr. No. | Collaborated Agency Name | Collaborated Agency Type | Period of Collaboration (No. of Years) | Current Status of Collaboration | Date of MOU / Agreement Signed on | View |
|---------|-----------------------------------|--------------------------------|--|---------------------------------|-----------------------------------|--|
| 1 | iSPELL | Knowledge/Mentoring Agency | 3 | Active | 23-04-2022 | View (/Uploads/Institute |
| 2 | Sikharty Infotech Private Limited | Corporate/Industry Association | 3 | Active | 08-03-2022 | View (/Uploads/Institute |
| 3 | Coursera | Knowledge/Mentoring Agency | 3 | Active | 12-07-2021 | View (/Uploads/Institute |
| 4 | Highradius Technologies Pvt. Ltd. | Corporate/Industry Association | 3 | Active | 09-11-2021 | View (/Uploads/Institute |
| 5 | Tata Consultancy Services Ltd. | Corporate/Industry Association | 3 | Active | 09-11-2021 | View (/Uploads/Institute |
| 6 | Nikhil Bharat Shiksha Parisad | Knowledge/Mentoring Agency | 3 | Active | 02-11-2021 | View (/Uploads/Institute |
| 7 | C K BIRLA Hospital/CMRI | Corporate/Industry Association | 3 | Active | 01-10-2021 | View (/Uploads/Institute |
| 8 | Belle Vue Clinic | Corporate/Industry Association | 3 | Active | 02-07-2021 | View (/Uploads/Institute |

| Sr. No. | Collaborated Agency Name | Collaborated Agency Type | Period of Collaboration (No. of Years) | Current Status of Collaboration | Date of MOU / Agreement Signed on | View |
|---------|--------------------------------------|--------------------------|--|---------------------------------|-----------------------------------|--|
| 9 | National Highways Authority of India | Govt. Agency (Central) | 5 | Active | 26-11-2020 | View (/Uploads/Institute |

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

| Sr. No. | Title/Name of IP (Copyright/Design Only) | Type of IP | IP Registration Number of Copyright/Design | Date of Filed/Published | Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society? |
|---------------|--|------------|--|-------------------------|--|
| No Data Found | | | | | |

7.2) Patents Filed by HEI

| Sr. No. | Title/Name of Patent | IP Registration Number | Date of Filed/Published |
|---------|---|------------------------|-------------------------|
| 1 | AN AUTOMATED SYSTEM HAVING BAG VALVE | 202031037602A | 01-09-2020 |
| 2 | MECHANICAL PROPERTY MODIFICATION OF PVC - POLY(ETHYL ACRYLATE) BLEND BY INCORPORATION OF NANO CALCIUM CARBONATE | 201931050740A | 11-06-2021 |
| 3 | GREEN ROUTE OF PREPARATION OF PVA-CELLULOSE NANOCOMPOSITE. | 201931050741A | 11-06-2021 |
| 4 | PRODUCTION OF BIODIESEL FROM PALM FATTY ACID DISTILLATE USING BIOHYDROLYSIS AND BIOESTERIFICATION REACTION | 201931050742A | 11-06-2021 |
| 5 | A NOVEL TECHNIQUE FOR BETTERMENT OF LISTENING & WRITING SKILLS. | 201931050743A | 11-06-2021 |
| 6 | A NOVEL CHEAP SOURCE OF PREBIOTIC FOOD MATERIAL | 201931050744A | 11-06-2021 |
| 7 | PORTRAIT IMAGE ENHANCEMENT FOR PRINTED SECURITY DOCUMENTS VERIFICATION | 201931050748A | 11-06-2021 |
| 8 | INTELLIGENT CCTV CAMERA FOR A BETTER LIFESTYLE | 201931050749A | 11-06-2021 |
| 9 | IOT BASED WATER QUALITY MONITORING SYSTEMS IN RIVER, LAKES AND PONDS | 201931050750A | 11-06-2021 |
| 10 | IMPLEMENTATION OF IOT FOR TRACKING CSR ASSETS | 201931050751A | 11-06-2021 |
| 11 | DEEP LEARNING BASED PORTABLE FINGERPRINT LOCK SUPPORTED HANDHELD MULTILINGUAL OPTICAL CHARACTER RECOGNIZER | 201931050752A | 11-06-2021 |
| 12 | ELECTROOCULOGRAM SIGNAL CONTROLLED WHEELCHAIR | 201931050774A | 11-06-2021 |

| Sr. No. | Title/Name of Patent | IP Registration Number | Date of Filed/Published |
|---------|---|------------------------|-------------------------|
| 13 | FOUR QUADRANT OPERATION OF A DC SEPARATELY EXCITED MOTOR USING SINGLE POWER ELECTRONIC SWITCH | 201931050775A | 11-06-2021 |
| 14 | LOW COST SOLAR CHARGED MOBILE POWER BANK | 201931050776A | 11-06-2021 |
| 15 | DIGITALLY AUTOMATED CAR PARKING MANAGEMENT | 201931050777A | 11-06-2021 |
| 16 | HYBRID AIR PURIFIER | 201931050778A | 11-06-2021 |
| 17 | PROTECTION OF POWER ELECTRONIC DEVICES IN A VOLTAGE SOURCE INVERTER AGAINST OVER-CURRENT AND SHOOT-THROUGH FAULTS | 201931050910A | 11-06-2021 |
| 18 | AUTOMATIC SOIL MOISTURE CONTROL IRRIGATION SYSTEM | 201931050911A | 11-06-2021 |
| 19 | CRIMINAL FACE DETECTION MECHANISM USING IMAGE RECOGNITION | 201931050912A | 11-06-2021 |
| 20 | ANTI-PERSONAL UNMANNED WEAPON SYSTEM | 201931050913A | 11-06-2021 |
| 21 | DATABASE BUILDER FROM PHYSICAL DOCUMENTS. | 201931050914A | 11-06-2021 |
| 22 | ELECTROMYOGRAM SIGNAL ACQUISITION SYSTEM | 201931050918A | 11-06-2021 |
| 23 | IOT BASED WATER PUMP CONTROLLER SYSTEM USING ATMEGA328P-PU CONTROLLER | 201931050919A | 11-06-2021 |
| 24 | ARTIFICIAL INTELLIGENCE BASED DOMESTIC SOLAR POWER SAVING SYSTEM | 201931050920A | 11-06-2021 |
| 25 | SMART ENERGY METER | 201931050921A | 11-06-2021 |
| 26 | DIGITAL RESTAURANT MENU ORDERING AND GSM BASED BILLING SYSTEM | 201931050922A | 11-06-2021 |
| 27 | AUTOMATIC CAPSULE FILLING DEVICE | 202231027747 | 13-05-2022 |
| 28 | JOJOBA BIODIESEL BASED BIOFUEL COMPOSITION AND METHOD FOR PREPARATION THEREOF | 202231014362 | 16-03-2022 |
| 29 | CONCRETE SURFACE SMOOTHENING DEVICE | 202231014363 | 16-03-2022 |
| 30 | HAND EXERCISE DEVICE | 202231036557 | 25-06-2022 |
| 31 | AUTOMATED ROOF MAINTENANCE DEVICE | 202231036555 | 22-07-2022 |
| 32 | SNOW REMOVING AND PROCESSING DEVICE | 202231036554 | 25-06-2022 |
| 33 | PRODUCT SEGREGATION AND PACKING DEVICE | 202231036556 | 25-06-2022 |
| 34 | DEMENTIA DIAGNOSIS AND TREATMENT DEVICE | 202231036559 | 25-06-2022 |
| 35 | AUTOMATED BARRICADE DEPLOYING DEVICE | 202231036558 | 25-06-2022 |
| 36 | FENCE INSTALLATION DEVICE | 202231027748 | 13-05-2022 |
| 37 | AUTOMATED CROP BUNDLING DEVICE | 202231027749 | 13-05-2022 |
| 38 | SOFT TOY STUFFING DEVICE | 202231030770 | 30-05-2022 |
| 39 | SLICING DEVICE FOR VEGETABLES AND FRUITS | 202231041420 | 19-07-2022 |
| 40 | AUTOMATED PLASTER CUTTING DEVICE | 202231041419 | 19-07-2022 |
| 41 | ADJUSTABLE NECK SUPPORT DEVICE | 202231027746 | 13-05-2022 |

7.3) Patent Published / Granted Data

| Sr. No. | Patent Registration Application No | Patent Title | Patent Application Date | Status of Patent Applications | Patent Published / Granted Calendar Year | Institute applied the Patent as | View |
|---------|------------------------------------|---|-------------------------|-------------------------------|--|---------------------------------|---------------------------------|
| 1 | 201931050740 A | MECHANICAL PROPERTY MODIFICATION OF PVC - POLY(ETHYL ACRYLATE) BLEND BY INCORPORATION OF NANO CALCIUM CARBONATE | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 2 | 201931050741 A | GREEN ROUTE OF PREPARATION OF PVA-CELLULOSE NANOCOMPOSITE. | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 3 | 201931050742 A | PRODUCTION OF BIODIESEL FROM PALM FATTY ACID DISTILLATE USING BIOHYDROLYSIS AND BIOESTERIFICATION REACTION | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 4 | 201931050743 A | A NOVEL TECHNIQUE FOR BETTERMENT OF LISTENING & WRITING SKILLS | 09-12-2012 | Published | 2021 | Applicant | View (/Uploads/ |
| 5 | 201931050744 A | A NOVEL CHEAP SOURCE OF PREBIOTIC FOOD MATERIAL | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 6 | 201931050748 A | PORTRAIT IMAGE ENHANCEMENT FOR PRINTED SECURITY DOCUMENTS VERIFICATION. | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 7 | 201931050749 A | INTELLIGENT CCTV CAMERA FOR A BETTER LIFESTYLE | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 8 | 201931050750 A | IOT BASED WATER QUALITY MONITORING SYSTEMS IN RIVER, LAKES AND PONDS | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 9 | 201931050751 A | IMPLEMENTATION OF IOT FOR TRACKING CSR ASSETS | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |

| Sr. No. | Patent Registration Application No | Patent Title | Patent Application Date | Status of Patent Applications | Patent Published / Granted Calendar Year | Institute applied the Patent as | View |
|---------|------------------------------------|---|-------------------------|-------------------------------|--|---------------------------------|---------------------------------|
| 10 | 201931050752 A | DEEP LEARNING BASED PORTABLE FINGERPRINT LOCK SUPPORTED HANDHELD MULTILINGUAL OPTICAL CHARACTER RECOGNIZER | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 11 | 201931050774 A | ELECTROOCULOGRAM SIGNAL CONTROLLED WHEELCHAIR | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 12 | 201931050775 A | FOUR QUADRANT OPERATION OF A DC SEPARATELY EXCITED MOTOR USING SINGLE POWER ELECTRONIC SWITCH. | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 13 | 201931050776 A | LOW COST SOLAR CHARGED MOBILE POWER BANK | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 14 | 201931050777 A | DIGITALLY AUTOMATED CAR PARKING MANAGEMENT | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 15 | 201931050778 A | HYBRID AIR PURIFIER | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 16 | 201931050910 A | PROTECTION OF POWER ELECTRONIC DEVICES IN A VOLTAGE SOURCE INVERTER AGAINST OVER-CURRENT AND SHOOT-THROUGH FAULTS | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 17 | 201931050911 A | AUTOMATIC SOIL MOISTURE CONTROL IRRIGATION SYSTEM | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 18 | 201931050912 A | CRIMINAL FACE DETECTION MECHANISM USING IMAGE RECOGNITION | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 19 | 201931050913 A | ANTI-PERSONAL UNMANNED WEAPON SYSTEM | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 20 | 201931050914 A | DATABASE BUILDER FROM PHYSICAL DOCUMENTS | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |

| Sr. No. | Patent Registration Application No | Patent Title | Patent Application Date | Status of Patent Applications | Patent Published / Granted Calendar Year | Institute applied the Patent as | View |
|---------|------------------------------------|---|-------------------------|-------------------------------|--|---------------------------------|---------------------------------|
| 21 | 201931050918 A | ELECTROMYOGRAM SIGNAL ACQUISITION SYSTEM | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 22 | 201931050919 A | IOT BASED WATER PUMP CONTROLLER SYSTEM USING ATMEGA328P-PU CONTROLLER | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 23 | 201931050920 A | ARTIFICIAL INTELLIGENCE BASED DOMESTIC SOLAR POWER SAVING SYSTEM | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 24 | 201931050921 A | SMART ENERGY MATER | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 25 | 201931050922 A | DIGITAL RESTAURANT MENU ORDERING AND GSM BASED BILLING SYSTEM | 09-12-2019 | Published | 2021 | Applicant | View (/Uploads/ |
| 26 | 202031037602 A | AN AUTOMATED SYSTEM HAVING BAG VALVE MASK | 01-09-2020 | Published | 2020 | Applicant | View (/Uploads/ |
| 27 | 202231027747 A | AUTOMATIC CAPSULE FILLING DEVICE | 13-05-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 28 | 202231014362 A | JOJOBA BIODIESEL BASED BIOFUEL COMPOSITION AND METHOD FOR PREPARATION THEREOF | 16-03-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 29 | 202231014363 A | CONCRETE SURFACE SMOOTHENING DEVICE | 16-03-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 30 | 202231036557 A | HAND EXERCISE DEVICE | 25-06-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 31 | 202231027746 A | ADJUSTABLE NECK SUPPORT DEVICE | 13-05-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 32 | 202231036555 A | AUTOMATED ROOF MAINTENANCE DEVICE | 25-06-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 33 | 202231036554 A | SNOW REMOVING AND PROCESSING DEVICE | 25-06-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 34 | 202231036556 A | PRODUCT SEGREGATION AND PACKING DEVICE | 25-06-2022 | Published | 2022 | Applicant | View (/Uploads/ |

| Sr. No. | Patent Registration Application No | Patent Title | Patent Application Date | Status of Patent Applications | Patent Published / Granted Calendar Year | Institute applied the Patent as | View |
|---------|------------------------------------|--|-------------------------|-------------------------------|--|---------------------------------|---------------------------------|
| 35 | 202231036559 A | DEMENTIA DIAGNOSIS AND TREATMENT DEVICE | 25-06-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 36 | 202231036558 A | AUTOMATED BARRICADE DEPLOYING DEVICE | 25-06-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 37 | 202231027748 A | FENCE INSTALLATION DEVICE | 13-05-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 38 | 202231027749 A | AUTOMATED CROP BUNDLING DEVICE | 13-05-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 39 | 202231030770 A | SOFT TOY STUFFING DEVICE | 30-05-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 40 | 202231041420 A | SLICING DEVICE FOR VEGETABLES AND FRUITS | 19-07-2022 | Published | 2022 | Applicant | View (/Uploads/ |
| 41 | 202231041419 A | AUTOMATED PLASTER CUTTING DEVICE | 19-07-2022 | Published | 2022 | Applicant | View (/Uploads/ |

7.4) IP Commercialized and Transferred to Industry/Startup

| Sr. No. | Name of Technology Licenced/Transferred/Commercialized | Technology Type | Patent/Licence Holder name (Institute Co-ownership is Must) | Technology Transferred to | Name of Licensee | Date of Transferred Technology |
|---------------|--|-----------------|---|---------------------------|------------------|--------------------------------|
| No Data Found | | | | | | |

Declaration

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

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

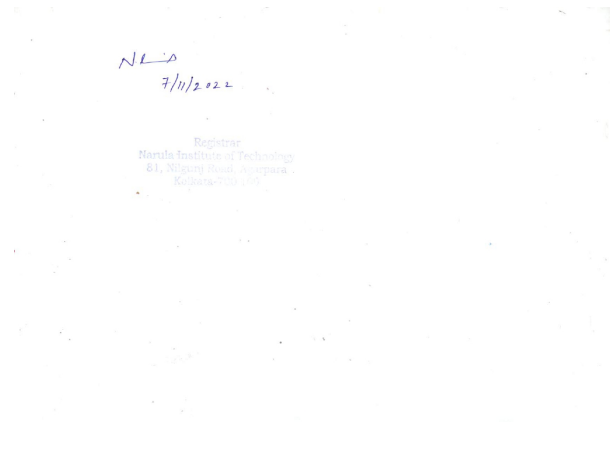
Herewith, myself **Prof. Maitreyi Ray Kanjilal** (Head of Institute) and **Dr. Nidhi Singh** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute



Nodal officer



Dr. Nidhi Singh,
Nodal Officer,
Narula Institute of Technology,
Kolkata, West Bengal

Prof. Maitreyi Ray Kanjilal,
Head of the Institution,
Narula Institute of Technology,
Kolkata, West Bengal