



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2021-22

Institute Name: NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE [ARI-C-8241]

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 | Institution Innovation Council (IIC-NCERC) | IPR Cell / Patent Facilitation Unit / Technology Transfer Centre | Free Webinar on Idea, Innovations, Start-up and IPR | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 2 | Mechatronics Engineering | Academic Department with lab facility | One day national workshop on "PLC and industrial automation" | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 3 | Mechatronics Engineering | Academic Department with lab facility | One day international workshop on "Development of a solar powered unmanned vehicle of high altitude long endurance". | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 4 | Mechatronics Engineering | Academic Department with lab facility | One day national workshop on "Symbiotic relationship between IoTcloud technologies and AI" | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 5 | Mechatronics Engineering | Academic Department with lab facility | Technical Talk on "Robotics and application in manufacturing" | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 6 | Mechatronics Engineering | Academic Department with lab facility | One day national workshop on "Optical wireless communication" | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 7 | Mechanical Engineering | Academic Department with lab facility | Webinar on Just in Time and Lean manufacturing | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 8 | Mechanical Engineering | Academic Department with lab facility | Prof Dr.S.Sankar organized a Free Webinar on "National Innovation and Start-up Policy 2019 for Students & Faculty of HEIs" | UG / PG / PhD | Both | 838 | 149 | 54 |

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

| | | | | | | | | |
|----|---|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 9 | Electrical and Electronics Engineering | Academic Department with lab facility | AICTE-ISTE-Induction/Refresher Program under AICTE-ISTE MOU. Title is "High Impact Teaching & Learning Skill". June-Dec-2020 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 10 | Electrical and Electronics Engineering | Academic Department with lab facility | AICTE-ISTE-Induction/Refresher Program under AICTE-ISTE MOU. Title is "High Impact Teaching & Learning Skill". 30-11-20 to 05-12-20 and 14-12-20 to 19-12-20. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 11 | Electrical and Electronics Engineering | Academic Department with lab facility | AICTE-ISTE-Induction/Refresher Program under AICTE-ISTE MOU. Title is "High Impact Teaching & Learning Skill" Dated 02-11-20 to 07-11-20. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 12 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with AVNER Testing Services for the Academic year 2020-2021 | UG / PG / PhD | Technical | 62 | 149 | 54 |
| 13 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with Athul Energy Consultants for the Academic year 2020-2021. | UG / PG / PhD | Technical | 45 | 149 | 54 |
| 14 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with SURGCHEM Unity Building, Mannadiar Lane, Thrissur for the Academic year 2020-2021. | UG / PG / PhD | Technical | 53 | 149 | 54 |
| 15 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with QUNEXA INFOSOLUTIONS Pvt.Ltd. Thiruvilwamala, Thrissur for the Academic year 2020-2021. | UG / PG / PhD | Technical | 74 | 149 | 54 |
| 16 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with Infosys Campus Connect for the Academic year 2020-2021. | UG / PG / PhD | Technical | 45 | 149 | 54 |

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

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|----|---|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 17 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with PMK Constructions (India) Pvt.Ltd for the Academic year 2020-2021. | UG / PG / PhD | Technical | 31 | 149 | 54 |
| 18 | Computer Science and Engineering | Academic Department with lab facility | Free webinar on How to build a strategic plan for cyber security career | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 19 | Computer Science and Engineering | Academic Department with lab facility | Training on Recent Trend in IoT | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 20 | Computer Science and Engineering | Academic Department with lab facility | Free webinar on CISCO based Fundamentals of Networking | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 21 | Computer Science and Engineering | Academic Department with lab facility | Free webinar on Employability in IT Industry | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 22 | Computer Science and Engineering | Academic Department with lab facility | Faculty Development Program on Creativity, Innovation and New Product Development | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 23 | Computer Science and Engineering | Academic Department with lab facility | Faculty Development Program on Security in Global Emergencies | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 24 | Computer Science and Engineering | Academic Department with lab facility | Free webinar on Developing your Ideas to a Minimum Viable Product | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 25 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended Webinar on Electrical Engineering-Career And Prospects | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 26 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Renewable Energy Technologies, Ingeration to the Power Grid & E-Vehicle | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 27 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Creativity, Innovations and New Product Development | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 28 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Securities in Global Emergencies | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 29 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Energy Engineering | UG / PG / PhD | Technical | 72 | 40 | 15 |

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

| | | | | | | | | |
|----|---|---------------------------------------|---|---------------|-----------|----|-----|----|
| 30 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Robotics | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 31 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Recent Trends in Power System and Energy Management | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 32 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on High Impact Teaching and Learning Skills-I | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 33 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Electric Vehicles: Charging and Challenges | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 34 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Recent Trends in Electric Vehicles and System Design | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 35 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Recent Advances in Power Electronics and Power Systems | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 36 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Inculcating Universal Human Values in Technical Education | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 37 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended FDP on Industrial Instrumentation and Automation | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 38 | Electrical Engineering | Academic Department with lab facility | Mr. Maheswaran has attended Workshop on Innovation Ambassador training | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 39 | Electronics and Communication Engineering | Academic Department with lab facility | AICTE-ISTE Induction/Refresher Programme on "Emerging Trends in Embedded Systems and Internet of Things"- 01-02-2022 to 07-02-2022. Programme Coordinator: Prof. P.Rajkumar ECE Dept. | UG / PG / PhD | Technical | 70 | 152 | 15 |
| 40 | Electronics and Communication Engineering | Academic Department with lab facility | Prof. P.Rajkumar has attended and participated in AICTE FDP on "Inculcating Universal Human Values in Technical Education" | UG / PG / PhD | Technical | 70 | 36 | 15 |

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|----|---|--|---|---------------|---------------|-----|-----|----|
| 41 | Electronics and Communication Engineering | Academic Department with lab facility | IEEE Chapter Seminar on " 5G Mobile Communications" | UG / PG / PhD | Technical | 70 | 36 | 15 |
| 42 | Electronics and Communication Engineering | Academic Department with lab facility | FDP on Revolutionary Trends in Cognitive Radio for 5G Mobile Communication Systems | UG / PG / PhD | Technical | 70 | 36 | 15 |
| 43 | Department of Management Studies | Academic Department without lab facility | MBA | UG / PG / PhD | Non-Technical | 70 | 9 | 1 |
| 44 | Mechatronics engineering | Academic Department with lab facility | International conference on emerging trends in signals, systems & information | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 45 | Electronics and Communication Engineering | Academic Department with lab facility | Assistant Professor Mr Rahul M Nair has attended AICTE-ISTE Induction/Refresher Programme on "Emerging Trends in Embedded Systems and Internet of Things"- 01-02-2022 to 07-02-2022. ECE Dept. | UG / PG / PhD | Technical | 70 | 36 | 15 |
| 46 | Electronics and Communication Engineering | Academic Department with lab facility | Assistant Professor Mr Rahul M Nair has attended Online FDP on "Security in Global Emergencies" hosted by Department of Computer Science & Engineering , Nehru College of Engineering & Research Centre, Pampady from 13th July 2020 to 17th July 2020. | UG / PG / PhD | Technical | 70 | 36 | 15 |
| 47 | Electronics and Communication Engineering | Academic Department with lab facility | Assistant Professor Mr Rahul M Nair has attended KTU Sponsored 5 Days Online FDP on Industrial Instrumentation & Automation organized by Department of EEE,JCET on 6th september to 10th september 2021 | UG / PG / PhD | Technical | 70 | 36 | 15 |
| 48 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with Biomedical Techniques S.N.Park,Ayyanthole, Trichur for the Academic year 2020-2021. | UG / PG / PhD | Technical | 39 | 149 | 54 |

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|----|---|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 49 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with Suryashobha, Shobha Engineering Company Complex for the Academic year 2020-2021. | UG / PG / PhD | Technical | 61 | 149 | 54 |
| 50 | Mechanical Engineering | Academic Department with lab facility | Prof. Dr.S.Sankar has participated and successfully completed the 5-days online FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE from 2 August-21 to 6 August 2021. | UG / PG / PhD | Both | 838 | 149 | 54 |
| 51 | Mechanical Engineering | Academic Department with lab facility | Prof. Dr.S.Sankar has undergone Innovation Ambassador Training (Advanced Level) conducted by MoE's Innovation Cell and AICTE from 30 th June-30th July-21 in online mode. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 52 | Mechanical Engineering | Academic Department with lab facility | Prof. Dr.S.Sankar has participated in three days online national workshop on " Enabling self Reliant Economy through Techno-Social Innovations in A perspective of Post COVID-19 Rural India" from 25th-27th June 2020 under Unnat Bharat Abhiyan Cell of MCT's Rajiv Gandhi Institute of Technology, Mumbai-53. | UG / PG / PhD | Both | 838 | 149 | 54 |
| 53 | Computer Science and Engineering | Academic Department with lab facility | Workshop on Network Simulator(NS2) | UG / PG / PhD | Technical | 263 | 149 | 54 |
| 54 | Computer Science and Engineering | Academic Department with lab facility | Webinar on Block Chain | UG / PG / PhD | Technical | 263 | 149 | 54 |
| 55 | Mechanical Engineering | Academic Department with lab facility | Prof. Dr.S.Sankar has got MODROB - ASPIRATIONAL grant of Rs 12,70,498 from AICTE-New Delhi to modernize Advanced Measurements Lab. | UG / PG / PhD | Technical | 122 | 25 | 54 |
| 56 | Computer Science and Engineering | Academic Department with lab facility | Webinar on Deploying Machine Learning Algorithms Using COLAB Environment | UG / PG / PhD | Technical | 263 | 149 | 54 |

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|----|---|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 57 | Computer Science and Engineering | Academic Department with lab facility | Webinar on Entrepreneurship and Product Development | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 58 | Computer Science and Engineering | Academic Department with lab facility | Seminar on Research Innovation Development | UG / PG / PhD | Technical | 263 | 25 | 54 |
| 59 | Computer Science and Engineering | Academic Department with lab facility | Webinar on Data and AI | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 60 | Computer Science and Engineering | Academic Department with lab facility | International Conference Emerging Trends in Signals Systems and Information | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 61 | Mechanical Engineering | Academic Department with lab facility | Prof. Dr.S.Sankar has published a paper titled "A DESIGN OF SMART GLOVES FOR DEAF AND DUMB USING LABVIEW" in International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 05 Issue: 06, June - 2021 | UG / PG / PhD | Technical | 282 | 149 | 54 |
| 62 | MHRD-IIC and Mechanical Engineering | Research Park | Prof. Dr.S.Sankar has organized a workshop on " Entrepreneurship and Innovation as career opportunity. Chief guest is Mr.N.Jayaprakash, Chairman and managing Director of M/s Optima innovators-Coimbatore | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 63 | Electronics and communication engineering | Academic Department with lab facility | Assistant Professor Muruganantham.C Organized one day webinar on Communication skills for engineers Chief guest Professor K.Ravindravarma, Department of English, JCET ,palakkad on 16/09/2021 | UG / PG / PhD | Technical | 70 | 36 | 15 |
| 64 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.Rajesh P attended webinar on introduction to Robotics | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 65 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended a webinar on INTRODUCTION TO HYPERLEDGER IROHA | UG / PG / PhD | Technical | 72 | 40 | 15 |

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|----|------------------------|---------------------------------------|---|---------------|-----------|----|----|----|
| 66 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended webinar on Industrial Oriented Electrical Safety | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 67 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended One week international webinar series on Power system engineering & Electric vehicles | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 68 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended Webinar on SMART GRID TECHNOLOGY AND ITS OPPORTUNITIES | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 69 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended FDP on Renewable energy technologies , integration to powergrid & E-vehicles | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 70 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended Four days online STTP on computer aided design of Electric systems after the meter | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 71 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended Webinar on Grid modernisation and smart grid | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 72 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P "Question Paper Settings: OBE | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 73 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended Webinar "EFFICIENT ENERGY AUDITING TECHNIQUES " | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 74 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has attended webinar on " Indian Power Grid & Market | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 75 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Rajesh P has participated and passed Online Quiz with a score of 60.00% in Five Day National level Faculty Development Programme on "Artificial Intelligence" | UG / PG / PhD | Technical | 72 | 40 | 15 |

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|----|------------------------|---------------------------------------|--|---------------|-----------|----|----|----|
| 76 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Anoop Kumar M.V attended International Conference organised by NCERC on the topic 'Emerging trends in signals systems and Information' | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 77 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. Anoop Kumar M.V was Judge for NOVELTY'21- ONLINE PROJECT EXPO & IDEA PITCHING CONTEST organised by NCERC | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 78 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended FDP on "Computer and communication networks" sponsored by MHRD at SAI RAM institute of technology | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 79 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended FDP on AICTE Training And Learning (ATAL) Academy FDP on "Internet of Things (IoT)" at Indian Institute of Information Technology(IIT Nagpur). | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 80 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended FDP on IPR awareness and patent prosecution, organized by CMR engineering college,Hyderabad | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 81 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended workshop on Fuzzy logic and neural network approaches for engineering solutions organized by JAER and powered by hexacube, india | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 82 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended workshop on Arduino IDE-TINKERCAD simulator | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 83 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Control systems with MATLAB and simulink | UG / PG / PhD | Technical | 72 | 40 | 15 |

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|----|------------------------|---------------------------------------|---|-----------------------|-----------|----|----|----|
| 84 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Global trends in EV power train | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 85 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Grid connected and standalone solar plant design using PVSyst | Diploma / Polytechnic | Technical | 72 | 40 | 15 |
| 86 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Power quality analysis- modelling and simulation using ETAP | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 87 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Control strategies for Thermoelectric generator fed power converters | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 88 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Design of home solar system | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 89 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Basics of wind energy conversion | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 90 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Machine Learning | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 91 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Academics beyond B.Tech | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 92 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Big data analysis | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 93 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Virtual labs | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 94 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Grid connected and standalone solar plant design using PVSyst Part-2 | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 95 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Hybrid algorithm and its applications in Engineering | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 96 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Cyber physical systems in UK railways | UG / PG / PhD | Technical | 72 | 40 | 15 |

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|-----|---|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 97 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Image processing-open CV | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 98 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Smart battery energy management and health conscious fast charging for future transportation | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 99 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Use of remote energy monitoring and data analysis for energy saving | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 100 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Electric solar vehicle project | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 101 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr.David E has attended webinar on Low power VLSI design and technology | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 102 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Creativity Innovations and New Product Development | UG / PG / PhD | Technical | 30 | 90 | 15 |
| 103 | ELECTRICAL ENGINEERING | Academic Department with lab facility | webinar on Idea, Innovation, Startup and IPR | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 104 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Indian education systems 2k20- (NEP 2K20) | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 105 | ELECTRICAL ENGINEERING | Academic Department with lab facility | International conferene on emerging trends in signals systems & information(ICETSSI 2021) | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 106 | ELECTRICAL ENGINEERING | Academic Department with lab facility | Mr. SUNDARAMOORTHY has attendend Webinar on Energy Auditing | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 107 | Electronics and Communication Engineering | Academic Department with lab facility | Assistant Professor Muruganantham.C has attended Innovation ambassador training conducted by MOE's Innovation Cell and AICTE from 30th June to 30th July 2021 in online mode | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 108 | electrical engineering | Academic Department with lab facility | Seminar on "An overview of Indian Space Mission" | UG / PG / PhD | Technical | 72 | 40 | 15 |

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|-----|---|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 109 | electrical engineering | Academic Department with lab facility | National conference on Innovation, Technology, Sociology | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 110 | electrical engineering | Academic Department with lab facility | PERFORMANCE ANALYSIS OF A COST EFFECTIVE POWER SUPPLY FOR ELECTROSTATIC PRECIPITATOR | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 111 | Electronics and Communication Engineering | Academic Department with lab facility | Assistant Professor Mr. Muruganantham. C has participated and successfully completed the 5-days online FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE from 2-8-2021 to 6-8-2021 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 112 | electrical engineering | Academic Department with lab facility | Preparation of CuO _{1-x} Mnx (x= 0.03, 0.05, 0.07) and MATLAB modelling for sustainable energy harvesting applications | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 113 | electrical engineering | Academic Department with lab facility | Protecting Forest from Forest Fire Using Cost Effective Fire Detection System | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 114 | electrical engineering | Academic Department with lab facility | Automatic System Balancing Using Special Protection Scheme, ROCOF and Under Frequency Protection | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 115 | electrical engineering | Academic Department with lab facility | Soft Switched Bi-directional Power Converter for Photo Voltaic System | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 116 | electrical engineering | Academic Department with lab facility | Animal Health monitoring with missing and theft prevention device using wireless sensor network and internet of things(IoT) | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 117 | Electronics and Communication Engineering | Academic Department with lab facility | Assistant Professor Mr. Muruganantham. C has attended KTU Sponsored 5-Days online FDP on Industrial Instrumentation & Automation organised by department of EEE, JCET on 6th september to 10th september 2021 | UG / PG / PhD | Technical | 70 | 36 | 15 |

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|-----|---|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 118 | electrical engineering | Academic Department with lab facility | Sundaramoorthi. P,Rajkumar G published a paper in PV Panel Cooling Using Stack Effect | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 119 | electrical engineering | Academic Department with lab facility | Rajkumar G published a paper in ELECTROMAGNETIC PULSE BASED DATA ERASING | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 120 | electrical engineering | Academic Department with lab facility | Rajkumar G attended Novel Power Supply for THD reduction from Electrostatic Precipitators | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 121 | electrical engineering | Academic Department with lab facility | P.Sundaramoorthi attended-Solar Paddy Dryer with solar cooking systems | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 122 | electrical engineering | Academic Department with lab facility | P. Sundaramoorthi attended-"Power Factor Circuit Breaker" | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 123 | electrical engineering | Academic Department with lab facility | Anoopkumar M V - "Advanced Gesture Controlled Smart Home" | UG / PG / PhD | Technical | 72 | 40 | 15 |
| 124 | Electronics and Communication Engineering | Academic Department with lab facility | Assistant Professor Mr.Muruganantham. C has attended AICTE-ISTE Induction Programme on "Emerging Trends in Embedded Systems and Internet of Things" from 1st February 2022 to 7th february 2022 | UG / PG / PhD | Technical | 70 | 152 | 15 |
| 125 | Electronics and communication Engineering | Academic Department with lab facility | AICTE-ISTE Induction/Refresher Programme on "Emerging Trends in Embedded Systems and Internet of Things"- 01-02-2022 to 07-02-2022. Participant ,Sajitha A S,Assistant Professor,ECE Dept. | UG / PG / PhD | Technical | 70 | 152 | 15 |
| 126 | Computer Science and Engineering | Academic Department with lab facility | Development Of Flexible Organic Wireless Rf Dr P sampath and Ms Nisha A K Published Journal on Devices Utilizing Doppler Radar Fabric Antenna in International Journal of Aquatic Science Vol 12, Issue 02, 2021,ISSN: 2008-8019 | UG / PG / PhD | Technical | 300 | 149 | 54 |

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|-----|----------------------------------|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 127 | Computer Science and Engineering | Academic Department with lab facility | An Efficient Identity Based Encryption in Dr U Vijay Sankar published journal on Cloud Computing with Outsourced Revocation in International Journal of Scientific Research in Computer Science, Engineering and Information Technology ,Volume 6, Issue 6 Page Number: 72-82 Publication Issue : November-December-2020,ISSN : 2456-3307 | UG / PG / PhD | Technical | 300 | 149 | 54 |
| 128 | Computer Science and Engineering | Academic Department with lab facility | Dr.Ambika Devi Amma T published journal on Lung Cancer Identification and Prediction Based on VGG Architecture in International Journal of Research in Engineering, Science and Management, Volume -3, Issue-7, July-2020,ISSN (Online): 2581- 5792 | UG / PG / PhD | Technical | 320 | 149 | 54 |
| 129 | Computer Science and Engineering | Academic Department with lab facility | Dr.U Vijay Sankar published paper on The Internet Of Things On Neural Networks Provides Intelligent Healthcare Management For Diabetic Patients,International Journal of Aquatic Science,Vol 12, Issue 02, 2021,ISSN: 2008-8019 | UG / PG / PhD | Technical | 300 | 149 | 54 |
| 130 | Computer Science and Engineering | Academic Department with lab facility | Dr. Ambika Devi Amma T published journal on Students Learning Experiences and Psychological Pressure in Social Media Analytics in International Journal of Research in Engineering, Science and Management,Volume -3, Issue-7, July-2020,ISSN (Online): 2581- 5792 | UG / PG / PhD | Technical | 400 | 149 | 54 |

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

| | | | | | | | | |
|-----|----------------------------------|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 131 | Computer Science and Engineering | Academic Department with lab facility | Dr. AmbikaDe vi Amma T published paper on Blockchain Technology for Secure Electronic Health Record Systems in International Journal of Research in Engineering, Science and Management, Volume -3, Issue-6, June-2020,ISSN (Online): 2581- 5792 | UG / PG / PhD | Technical | 400 | 149 | 54 |
| 132 | Computer Science and Engineering | Academic Department with lab facility | Ms Shiji S published paper on Securing Data Using Encryption and Blockchain Technology in International Journal of Innovative Science and Research Technology | UG / PG / PhD | Technical | 300 | 149 | 54 |
| 133 | Computer Science and Engineering | Academic Department with lab facility | Ms Sruthy M R published paper on Real Time Facial Expression Recognition Based On Deep Neural Network in International Journal of Research in Engineering, Science and Management, Volume -3, Issue-7, July-2020,ISSN (Online): 2581- 5792 | UG / PG / PhD | Technical | 300 | 149 | 54 |
| 134 | Computer Science and Engineering | Academic Department with lab facility | Ms Silja Varghese published Paper on Data Science upon Machine Learning - Apartment Price Prediction in International Journal for Research in Applied Science and Engineering Technology , Volume 9, Issue V, May 2021,ISSN: 2321-9653; | UG / PG / PhD | Technical | 300 | 149 | 54 |
| 135 | Computer Science and Engineering | Academic Department with lab facility | Dr U Vijay Sankar Published Indian Patent - Secured mutual authentication protocol using unclonable function (PUF) for IoT smart home devices | UG / PG / PhD | Technical | 300 | 149 | 54 |

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

| | | | | | | | | |
|-----|----------------------------------|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 136 | Computer Science and Engineering | Academic Department with lab facility | Australian Patent - Realistic electric load profiling system of textile mills by considering dynamic and stochastic behavior using GAN (Dr U Vijay Shankar) 30th Jan 2021 | UG / PG / PhD | Technical | 300 | 149 | 54 |
| 137 | Computer Science and Engineering | Academic Department with lab facility | Australian Patent -A METHOD OF TRACKING AND MANAGING MUNICIPAL WASTES USING GEO-SPATIAL TECHNOLOGY.(Nisha A K)26th May 2021 | UG / PG / PhD | Technical | 350 | 149 | 54 |
| 138 | Computer Science and Engineering | Academic Department with lab facility | Indian Patent-3D PRINTABLE MOSQUITO TRAP (Dr. P SAMPATH, Radhika M, Nisha A K) 8th June 2021. | UG / PG / PhD | Technical | 350 | 149 | 54 |
| 139 | Computer Science and Engineering | Academic Department with lab facility | Dr P Samoath attended 5 Day FDP on "National Educational Policy" | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 140 | Computer Science and Engineering | Academic Department with lab facility | Dr P Sampath attended webinar on "National Educational Policy"organized by Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science and Technology, Govt. of India in association with Intellectual Property Rights Information Centre – Kerala (IPRICK), Kerala State Council for Science, Technology and Environment (KSCSTE) on 18th January, 2021. | UG / PG / PhD | Technical | 838 | 149 | 54 |

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

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|-----|----------------------------------|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 141 | Computer Science and Engineering | Academic Department with lab facility | Dr P Sampath attended AICTE sponsored online Short Term Training Programme (STTP) on "Recent Trends in IoT and IIoT for Real world applications through LoRa and LoRaWAN - Phase I" held on 16th to 21st November 2020 organized by the Department of Computer Science and Engineering, Bannari Amman Institute of Technology, Sathyamangalam. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 142 | Computer Science and Engineering | Academic Department with lab facility | Dr P Sampath attended AICTE sponsored STTP on Recent Trends and Challenges in Data science | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 143 | Computer Science and Engineering | Academic Department with lab facility | Dr P Samath Participated in International Faculty Development Program on Disruptive Technologies titled "Artificial Intelligence in 4th Dimensional Approach" held on 10.05.2020 organized by Industry Academia Cell in association with the Department of Electronics and Communication Engineering, Centre for Industrial Relations and Innovation Institution Cell. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 144 | Computer Science and Engineering | Academic Department with lab facility | Dr.U.Vijay sankar Attended FDP on Economic Melt down poses threats to financial stability- Covid 19 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 145 | Computer Science and Engineering | Academic Department with lab facility | Arun K, Assistant Professor of Nehru College of Engineering & Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2021-1- 18 to 2021-1-22 at SAINTGITS COLLEGE OF ENGINEERING. | UG / PG / PhD | Technical | 838 | 149 | 54 |

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

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|-----|----------------------------------|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 146 | Computer Science and Engineering | Academic Department with lab facility | Arun K, Assistant Professor of Nehru College of Engineering & Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" from 2021- 2-8 to 2021-2-12 at Coimbatore Institute of Technology. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 147 | Computer Science and Engineering | Academic Department with lab facility | Arun K, Assistant Professor of Nehru College of Engineering & Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Augmented Reality (AR)/ Virtual Reality (VR)" from 2020-12-7 to 2020-12-11 at Kumaraguru College of Technology. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 148 | Computer science and Engineering | Academic Department with lab facility | Arun K, Assistant Professor of Nehru College of Engineering & Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-11-30 to 2020-12-4 at Sri Sairam Engineering College. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 149 | Computer Science and Engineering | Academic Department with lab facility | Nisha A K, Nehru College of Engineering and Research Centre has actively participated in "Learn Arduino Step-By-Step" , Three days Faculty development programme organized by Department of Electronics & Communication Engineering, GMR Institute of Technology during the period from 15th May 2020 to 17 th May 2020. | UG / PG / PhD | Technical | 838 | 149 | 54 |

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

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|-----|----------------------------------|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 150 | Computer Science and Engineering | Academic Department with lab facility | Ms Nisha A K Assistant Professor CSE attended KTU sponsored 5 day FDP on Business analytics and Data science | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 151 | Computer science and Engineering | Academic Department with lab facility | Nisha A K, Assistant Professor of Nehru College of Engineering and Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2020-9-21 to 2020-9-25 at NIT Raipur. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 152 | Computer Science and Engineering | Academic Department with lab facility | Nisha A K, Assistant Professor of Nehru College of Engineering and Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security " from 2020-9-8 to 2020-9-12 at National Institute Of Technology, Tiruchirappalli. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 153 | Computer Science and Engineering | Academic Department with lab facility | Nisha A K, Assistant Professor of Nehru College of Engineering and Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Speech Processing using Deep Learning" from 2020-12-28 to 2021-1-1 at Indian Institute of Technology Dharwad. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 154 | Computer Science and Engineering | Academic Department with lab facility | Ms. Nisha A K , Assistant professor Computer science and engineering attended FDP on Block chain Technology | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 155 | Computer Science and Engineering | Academic Department with lab facility | Ms Nisha A K attended 5 days open Source summit India 2021 | UG / PG / PhD | Both | 500 | 149 | 54 |

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

| | | | | | | | | |
|-----|----------------------------------|---------------------------------------|---|---------------|------|-----|-----|----|
| 156 | Computer Science and Engineering | Academic Department with lab facility | Ms Nisha A K attended FDP on Emerging space technology in the field of computer science | UG / PG / PhD | Both | 838 | 149 | 54 |
| 157 | Computer Science and Engineering | Academic Department with lab facility | Mrs.Nisha A K of Nehru College of Engineering and Research Centre Dr.Datachana Murthy (National Executive President) National Youth Council of India has participated in Five Day National level Faculty Development Programme on "Artificial Intelligence" | UG / PG / PhD | Both | 800 | 149 | 54 |
| 158 | Computer Science and Engineering | Academic Department with lab facility | Mrs. Nisha A K Dr.A.Srinivasula Reddy (PRINCIPAL) Mrs.Madhavi Pingili (HoD-IT Dept.) Dr.Rajesh Kulkarni (Speaker) has participated in the Five Day FDP on " IPR Awareness and Patent Prosecution" Organized by the Department of Information Technology,CMR Engineering College,Hyderabad from 06.05.2020 to 10.05.2020 . | UG / PG / PhD | Both | 838 | 149 | 54 |
| 159 | Computer Science and Engineering | Academic Department with lab facility | Nisha A K,Assistant professor from Nehru College of Engineering and Research Centre has attended Three days Faculty Development Programme on "Outcome Based Education and Accreditation Processes" jointly organized by the Departments of Computer Science and Engineering of Nehru Institute of Engineering and Technology & Nehru Institute of Technology , Coimbatore, Tamil Nadu, in association with Computer Society of India, from 17.06.2021 to 19.06.2021 | UG / PG / PhD | Both | 838 | 149 | 54 |

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

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|-----|----------------------------------|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 160 | Computer Science and engineering | Academic Department with lab facility | Ms Nisha A K attended two Day workshop on Fuzzy Logic and Neural Network Approaches for engineering solutions | UG / PG / PhD | Technical | 263 | 149 | 54 |
| 161 | Computer Science and Engineering | Academic Department with lab facility | Vysagh M, Assistant Professor of Nehru College of Engineering and Research Centre, Pampady, Thrissur participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Augmented Reality (AR)/ Virtual Reality (VR)" from 2020-12-15 to 2020-12-19 at Dr. Mahalingam College of Engineering and Technology. | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 162 | Computer Science and Engineering | Academic Department with lab facility | Vysagh M, Assistant Professor of Nehru College of Engineering and Research Centre, Pampady, Thrissur participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Quantum Computing" from 2021-1-4 to 2021-1-8 at K.S.Rangasamy College of Technology. | UG / PG / PhD | Technical | 263 | 30 | 20 |
| 163 | Computer Sciece and Engineering | Academic Department with lab facility | that Vysagh M, Assistant Professor of Nehru College of Engineering and Research Centre, Pampady, Thrissur participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cloud Technology" from 2020-11-16 to 2020-11-20 at Gandhi Institute of Technology and Management. | UG / PG / PhD | Technical | 275 | 30 | 20 |

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

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|-----|---|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 164 | Computer Science and Engineering | Academic Department with lab facility | VYSAGH M, Assistant Professor of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" from 2021-2-8 to 2021-2-12 at Coimbatore Institute of Technology. | UG / PG / PhD | Technical | 263 | 30 | 20 |
| 165 | Computer Science and Engineering | Academic Department with lab facility | Ms Baby V Completed NPTEL FDP on python for data science | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 166 | Electronics and Communication Engineering | Academic Department with lab facility | Ms Sajitha A S attended 5 day FDP, TOPIC FDP on "Recent Trends in Signal and Image Processing" organized by ECE Department of Govt. Engineering College Palakkad | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 167 | Computer Science and Engineering | Academic Department with lab facility | Baby V, Assistant Professor of NCERC participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2021-1-18 to 2021-1-22 at MSME - TECHNOLOGY DEVELOPMENT CENTRE (PPDC) | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 168 | Electronics and Communication engineering | Research Park | Ms.Sajitha A S, Paper published in International conference on Artificial Intelligence and Energy Systems Paper titled "Review on various image Encryption Scheme" | UG / PG / PhD | Technical | 152 | 70 | 15 |

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

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|-----|---|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 169 | Electronics and Communication Engineering | Research Park | Ms.Sajitha A S,Assistant professor,Nehru college of Engineering and research centre,Published paperReview Paper Titled"Review on various Image Encryption Schemes"Published the Journal Material Today proceedings(Elseiver) Volume 58,Part 1,2022,Pages 529-534 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 170 | Computer Science and Engineering | Academic Department with lab facility | Ms Baby V attended FDP on Student centric teaching | UG / PG / PhD | Both | 838 | 149 | 54 |
| 171 | Computer Science and engineering | Academic Department with lab facility | Biji K P, Assistant Professor of Nehru College of Engineering and Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Block chain" from 2020- 12-7 to 2020-12-11 at Karpagam College of Engineering. | UG / PG / PhD | Technical | 263 | 149 | 54 |
| 172 | Computer Science and Engineering | Academic Department with lab facility | This is to certify that RADHIKA K MANJUSHA, Asst. Professor of Computer Science and Engineering, Nehru College of Engineering & Research Centre has successfully completed the two days workshop on "Artificial Intelligence Creating the Future" and "Exploring Machine Learning techniques in Data Mining" | UG / PG / PhD | Technical | 263 | 30 | 20 |

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

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|-----|---|---------------------------------------|---|---------------|-----------|-----|----|----|
| 173 | Computer Science and Engineering | Academic Department with lab facility | that Shiji Sivaraman, Assistant Professor of Nehru college of Engineering and Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Neural Network and Deep Learning" from 2020-11-23 to 2020-11-27 at Guru Gobind Singh Indraprastha University. | UG / PG / PhD | Technical | 263 | 30 | 20 |
| 174 | Electronics and Communication Engineering | Research Park | Ms.Sajitha A S,Asst Professor,Nehru college of Engineering and research centre published a paper International Journal of Innovative Science and Research Technology paper titled"Padding Of LFSR Seeds with Low Transition Bits for Reduced Input Test Data Volume "ISSN No:-2456-2165 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 175 | Computer Science and Engineering | Academic Department with lab facility | that Shiji Sivaraman, Assistant Professor of Nehru college of Engineering and Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cloud Technology" from 2020-11-16 to 2020-11-20 at Gandhi Institute of Technology and Management. | UG / PG / PhD | Technical | 263 | 30 | 20 |
| 176 | Computer Science and Engineering | Academic Department with lab facility | Ms Shiji S attended FDP on Design of Experiments and optimization techniques | UG / PG / PhD | Technical | 263 | 30 | 20 |

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

| | | | | | | | | |
|-----|----------------------------------|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 177 | Computer Science and Engineering | Academic Department with lab facility | that Shiji Sivaraman, Assistant Professor of Nehru college of Engineering and Research Centre participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cloud Technology" from 2020-11-16 to 2020-11-20 at Gandhi Institute of Technology and Management. | UG / PG / PhD | Both | 838 | 149 | 54 |
| 178 | Computer Science and Engineering | Academic Department with lab facility | Divya S, Assistant Professor of Nehru College of Engineering and Research Centre Pampady Thirivillamala Thirissur Kerala India participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" from 2020-11-30 to 2020-12-4 at Sri Venkateswara College of Engineering | UG / PG / PhD | Technical | 263 | 30 | 20 |
| 179 | Computer Science and Engineering | Academic Department with lab facility | Divya S, Assistant Professor of Nehru College of Engineering and Research Centre Pampady Thirivillamala Thirissur Kerala India participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Sustainability Engineering" from 2020-11-25 to 2020-11-29 at Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur. | UG / PG / PhD | Technical | 263 | 30 | 20 |
| 180 | Computer Science and Engineering | Academic Department with lab facility | Ms Sruthy M R attended AICTE sponsored STTP on Smart computing Technologies and applications | UG / PG / PhD | Technical | 263 | 40 | 20 |

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

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|-----|---|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 181 | Computer Science and Engineering | Academic Department with lab facility | Ms. Nisha A K , Assistant Professor , Computer Science and Engineering, Nehru College of Engineering and Research Centre attended the A P J Abdul Kalam Technological University Sponsored Five Day Online FDP on "Cyber Security and Cyber Forensics" | UG / PG / PhD | Technical | 263 | 35 | 20 |
| 182 | Computer Science And Engineering | Academic Department with lab facility | Ms. Nisha A K from Nehru College of Engineering and Research Centre, Thrissur has participated in the One-Day Online Workshop on "How to Conduct the Student Induction (SIP) Program" on 20 th September, 2021 organized by All India Council for Technical Education(AICTE). | UG / PG / PhD | Both | 838 | 149 | 54 |
| 183 | Electronics and Communication | Academic Department with lab facility | Ms Sajitha A S,Assistant professor AttendedTwo days webinar workshop on "Home Automation using Internet of Things Hands-on Training with Tinker CAD Simulation Software | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 184 | Electronics and Communication | Academic Department with lab facility | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre attended workshop on VLSI Circuits Analog and Digital design perspective from 16th-17th of May 2020 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 185 | Electronics and Communication Engineering | Academic Department with lab facility | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre attended workshop Workshop on Recent Advances in Science and Technology of Concrete - Update,Date and time: 2020-2021 | UG / PG / PhD | Technical | 152 | 70 | 15 |

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

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|-----|---|---------------------------------------|--|---------------|-----------|-----|----|----|
| 186 | Electronics and Communication Engineering | Academic Department with lab facility | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre attended AICTE Training and Learning Academy (ATAL) Faculty Development Program (FDP) on Internet of Things 2020-2021 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 187 | Electronics and Communication Engineering | Academic Department with lab facility | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre attended FDP EVOLUTION OF TEACHING LEARNING PROCESS – POST COVID 19” Organized by Bharath University 2020-2021 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 188 | Electronics and communication Engineering | Academic Department with lab facility | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre attended Two Weeks Faculty Development Program on "Refresher course on Electrical, Electronics, Instrumentation, Automation and Teaching pedagogy | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 189 | Electronics and Communication Engineering | Academic Department with lab facility | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre attended webinar topic"ZnO Nanostructures Based Photodetectors using Low Cost Techniques" | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 190 | Electronics and Communication Engineering | Academic Department with lab facility | 1.Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre published Paper titled "WIDEBAND HEXAGONAL FRACTAL ANTENNA FOR WLAN & CMMA APPLICATIONS" is published in nectar 2020-2021 | UG / PG / PhD | Technical | 152 | 70 | 15 |

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

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|-----|---|-----------------------------------|--|---------------|-----------|-----|-----|----|
| 191 | Electronics and Communication | Research Park | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre published Paper titled"Ultra low power QRS detection and ECG compression architecture for IOT health care devices "published in nectar 2020-2021 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 192 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding with Suryashobha, Shobha Engineering Company Complex for the academic year 2021-2022 | UG / PG / PhD | Technical | 61 | 149 | 54 |
| 193 | Electronics and Communication Engineering | Research Park | Ms.Sajitha A S,Asst professor,Nehru college of Engineering and research centre published Paper titled"Ultra low power QRS detection and ECG hybrid compression architecture with R Peak detection IOT health care devices"IRJET,Volume 7,issue 11,september 2020 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 194 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with VAJRA LEARNING SOLUTIONS for the academic year 2021-2022. | UG / PG / PhD | Technical | 96 | 149 | 54 |
| 195 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding (MoU) with EASY COURSES for the academic year 2021-2022 | UG / PG / PhD | Technical | 50 | 149 | 54 |
| 196 | NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE,PAMPADY | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with MARUVI POWER PROJECTS, THIRUCHIRAPALLI for the academic year 2021-2022 | UG / PG / PhD | Technical | 135 | 149 | 54 |
| 197 | NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE,PAMPADY | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with CALIBER TECHNOLOGIES, SALEM for the academic year 2021-2022 | UG / PG / PhD | Technical | 135 | 149 | 54 |

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

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| 198 | NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE, PAMPADY | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with PANTECH PROED, CHENNAI for the academic year 2021-2022. | UG / PG / PhD | Technical | 135 | 149 | 54 |
| 199 | NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE, PAMPADY | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with ANSCER ROBOTICS for the academic year 2021-2022. | UG / PG / PhD | Technical | 65 | 149 | 54 |
| 200 | NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE, PAMPADY | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with A2Z DIGITAL BROADCASTING CENTRE for the academic year 2021-2022 | UG / PG / PhD | Technical | 60 | 149 | 54 |
| 201 | NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE, PAMPADY | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with CAD LABS for the academic year 2021-2022 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 202 | Department of Management Studies | Academic Department without lab facility | Management Studies | UG / PG / PhD | Non-Technical | 45 | 9 | 1 |
| 203 | NGI NEWGEN IEDC | Pre-incubation unit | participation in india innovation challenge contest DST,MHRD , MyGov and IIM banglore | UG / PG / PhD | Technical | 300 | 10 | 1 |
| 204 | NGI NewGen IEDC | Pre-incubation unit | A FDP was organised in association with IEDC -NCERC on creativity,innovation and new product development in association with EEE and CSE department of NCERC for faculties inside and out side the campus | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 205 | NGI New Gen IEDC | Pre-incubation unit | students started their start-up titled PLASM WASTE POWER GENERATOR - Received Entrepreneur Excellence Award from IMIT with a Cash prize of Rs.10,000 , Selected in the best 20 projects in Kerala by KSUM , Received a grant of Rs. 2.5 Lakhs from NewGen IEDC | UG / PG / PhD | Technical | 5 | 149 | 54 |
| 206 | NGI New Gen IEDC | Pre-incubation unit | LUNA-Startup company | UG / PG / PhD | Technical | 1 | 149 | 54 |

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

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| 207 | NGI New Gen IEDC | Pre-incubation unit | Success Online Solutions-Startup company-Incubated in NGI-TBI | UG / PG / PhD | Technical | 6 | 149 | 54 |
| 208 | NGI New Gen IEDC | Pre-incubation unit | MARUJI POWER PROJECTS-STARTUP COMPANY, Incubated in NGI-TBI | UG / PG / PhD | Technical | 1 | 149 | 54 |
| 209 | NGI New Gen IEDC | Pre-incubation unit | three teams from NCERC selected for funded projects from KSCSTE with an total amount of RS 27000 | UG / PG / PhD | Technical | 7 | 149 | 54 |
| 210 | NGI New Gen IEDC | Pre-incubation unit | team PLASMA WASTE POWER GENERATOR got selected by NewGen IEDC funding with an amount of 25 lacks | UG / PG / PhD | Technical | 5 | 149 | 54 |
| 211 | Mechanical Engineering | Academic Department with lab facility | Department organized a Talk on Awareness on How semester preparation helps in campus placement and Government Jobs on 12-03-2022 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 212 | Mechanical Engineering | Academic Department with lab facility | Department has organized a Technical Talk on Design and function of thermal power plant on 17-02-2022 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 213 | Mechanical Engineering | Academic Department with lab facility | Dept has organized a Webinar on Modern Electric Vehicle on 10-03-2022 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 214 | Mechanical Engineering | Academic Department with lab facility | Dept organized a Technical Talk on Recent trends in aerospace and automotive aerodynamics. on 05-04-2022 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 215 | Mechanical Engineering | Academic Department with lab facility | Department organized a Webinar on Role of Mechanical Engineer's in Industry on 05-10-2020 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 216 | Mechanical Engineering | Academic Department with lab facility | Dept organized a Webinar on "Critical Thinking" on 10-11-2020 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 217 | Mechanical Engineering | Academic Department with lab facility | Dept organized a Webinar on Development in Design and Automation for Industry 4.0 on 02-06-21 | UG / PG / PhD | Technical | 122 | 149 | 54 |

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

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|-----|------------------------|---------------------------------------|---|---------------|-----------|-----|-----|----|
| 218 | Mechanical Engineering | Academic Department with lab facility | Dept organized a Webinar on Robotics: A Walk-Through on 09-06-2021 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 219 | Mechanical Engineering | Academic Department with lab facility | Department organized a Webinar on Industry 4.0 on 12-06-2021 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 220 | NGI NewGen IEDC | Pre-incubation unit | Team HELICAL WIND MILL got selected by NewGen IEDC funding with an amount of RS 2.5 LACKS | UG / PG / PhD | Technical | 1 | 149 | 54 |
| 221 | NGI NewGen IEDC | Pre-incubation unit | Team ABC Ventures secured first position in lifeathon event organised by christ college of engineering , Iringalakkuda | UG / PG / PhD | Technical | 5 | 149 | 54 |
| 222 | NGI NewGen IEDC | Pre-incubation unit | Mr.Rajkumar G , nodal officer have participated in FDP on Exploring entrepreneurship and start up opportunities organised by srivenkateshwara college of engineering and technology | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 223 | NGI NewGen IEDC | Pre-incubation unit | Mr. Rajkumar G, Nodal officer received Kalpa Acharya Award(best researcher award) | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 224 | MHRD IIC NCERC | Research Park | MHRD_IIC_NCERC had organized a workshop on Entrepreneurship and Innovation as Carrier Opportunity on 12.02.2022 | At all level | Both | 122 | 149 | 54 |
| 225 | Mechanical Engineering | Industry Institute Interface Unit | Organized a Technical Talk on Design and Function of Thermal Power Plant on 17.02.2022 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 226 | Mechanical Engineering | Industry Institute Interface Unit | Organized a Technical Talk on Recent Trends in Aero Space and Automotive aerodynamics on 05.03.2022 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 227 | Mechanical Engineering | Academic Department with lab facility | The Dept has organized Women's Day Celebration On 08.03.2022 | UG / PG / PhD | Both | 200 | 149 | 54 |

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

| | | | | | | | | |
|-----|---|--|--|---------------|---------------|-----|-----|----|
| 228 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with Qunexa Infosolutions Pvt.Ltd, Thiruvilwamala, Kerala for the academic year 2021-2022 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 229 | Management Studies | Academic Department without lab facility | Content Leadership for Executives in Hospital Industry | UG / PG / PhD | Non-Technical | 70 | 9 | 10 |
| 230 | Management Studies | Academic Department without lab facility | Decision Making in an Uncertain World | UG / PG / PhD | Non-Technical | 70 | 9 | 7 |
| 231 | Management Studies | Academic Department without lab facility | A National Level Webinar on Students' Guide to Research Methodology | UG / PG / PhD | Non-Technical | 60 | 10 | 8 |
| 232 | Management Studies | Academic Department without lab facility | Debate on K-Rail Boon or Curse | UG / PG / PhD | Non-Technical | 105 | 7 | 2 |
| 233 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has actively participated in "Recent Trends in Signal and Image Processing"Five days FDP organized by ECE Department of Govt. Engineering College Palakkad during May 16-20 , 2022 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 234 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has actively participated in "on'Advanced Micro/Nanosensor Technologies"Three days FDP organized by ECE Department of Govt. Engineering College Palakkad during July 18-20 , 2022 | UG / PG / PhD | Technical | 152 | 70 | 15 |

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

| | | | | | | | | |
|-----|---|---------------------------------------|---|---------------|-----------|-----|----|----|
| 235 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has actively participated in "Recent Innovations in Electrical,Electronics, Instrumentation,Auto mation and Teaching Pedagogy"2 weeks online FDP organised by Sri Sai Ram Engg College,Chennai from May 18-30, 2020 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 236 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has actively participated in "Industrial instrumentation and Automation"Five days FDP organized by EEE Dept Jawaharlal College of Engineering and Technology Palakkad during september 6-10 , 2021 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 237 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has actively participated in "SECURITIES IN GLOBAL EMERGENCIES"Five days online FDP organized by CSE Department of Nehru college from July 13-17,2020 | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 238 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has attended webinar on "INNOVATION AND ENTREPRENEURS HIP" | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 239 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has attended webinar on "VIRTUAL REALITY" | UG / PG / PhD | Technical | 152 | 70 | 15 |

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

| | | | | | | | | |
|-----|---|---------------------------------------|--|---------------|-----------|-----|-----|----|
| 240 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has attended webinar on "SUPPORT VECTOR MACHINES :SOME INTRODUCTORY NOTES" | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 241 | Electronics and Communication Engineering | Academic Department with lab facility | Mr.Vishnu Prabha N Kaimal,Assistant Professor, ECE,Nehru College of Engineering and Research Centre has attended workshop on "DESIGN OF EXPEIMENTS:AN ENGINEERING PERSPECTIVE" | UG / PG / PhD | Technical | 152 | 70 | 15 |
| 242 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with Anseer Robotics for the academic year 2021-2022 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 243 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with Ramco Cements for the academic year 2021-2022 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 244 | Nehru College of Engineering and Research Centre, Pampady | --Select-- | Memorandum of Understanding(MoU) with KONFIDENCE EDUCATION for the academic year 2020-2021 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 245 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with KONFIDENCE EDUCATION for the academic year 2021-2022 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 246 | Nehru College of Engineering and Research Centre, Pampady | Industry Institute Interface Unit | Memorandum of Understanding(MoU) with Information and Communication Technology Academy of Kerala for the academic year 2021-2022 | UG / PG / PhD | Technical | 838 | 149 | 54 |
| 247 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | NECTAR2021 | UG / PG / PhD | Technical | 140 | 7 | 1 |
| 248 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | NAPPIER | UG / PG / PhD | Technical | 120 | 7 | 1 |
| 249 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | PLANT A TREE PROJECT : DATA/TECHNOLOGY PARTNER | UG / PG / PhD | Technical | 120 | 7 | 1 |

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

| | | | | | | | | |
|-----|---------------------------------|---------------------------------------|---|---------------|---------------|-----|-----|----|
| 250 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | KERALA PIRAVI | UG / PG / PhD | Technical | 300 | 25 | 7 |
| 251 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | SYMPOSIUM | UG / PG / PhD | Both | 120 | 7 | 1 |
| 252 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | NATIONAL YOUTH DAY PROGRAM | UG / PG / PhD | Non-Technical | 120 | 7 | 1 |
| 253 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | PRAYAANA TECHNOLOGY MEET | UG / PG / PhD | Technical | 500 | 25 | 7 |
| 254 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | INTERNATIONAL YOGA DAY | UG / PG / PhD | Non-Technical | 250 | 10 | 5 |
| 255 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | INDUSTRIAL VISIT CODEX MANGALORE | UG / PG / PhD | Technical | 60 | 3 | 1 |
| 256 | MASTER OF COMPUTER APPLICATIONS | Academic Department with lab facility | ASAP ORIENTATION PROGRAM | UG / PG / PhD | Technical | 225 | 12 | 3 |
| 257 | Mechanical Engineering | Academic Department with lab facility | Organized a Technical Talk on Awareness on How semester preparation helps in campus placement and Government jobs on 12-03-22 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 258 | Mechanical Engineering | Academic Department with lab facility | Organized a Webinar on Industry Orientation and Carrier Guidance on 13.05.2022 | UG / PG / PhD | Technical | 122 | 149 | 54 |
| 259 | Mechanical Engineering | Academic Department with lab facility | Organized a Webinar on Precision Machining Using CNC Machines and CAD CAM Tools on 13-07-22 | UG / PG / PhD | Technical | 122 | 149 | 54 |

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 | No | Not Required |
| 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

No Data Filled!

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

No Data Filled!

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 | Entrepreneurship Development | | Core Course | Master | Department of Management Studies | 26-03-2021 | 23-07-2021 | 120 | Offline | 60 | 45 |

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)

| Srno | Title of the Training Program | Program Theme | Type of Course | Course Offering Department/Centre/Unit Name | Program Start Date | Program End Date | Program Duration(in Days) | Mode of Delivery | Total Numbers of Participants | Total Numbers of Contact Hours of Course (Minimum 30 Contact hours) |
|------|---|---------------|--------------------------------------|---|--------------------|------------------|---------------------------|------------------|-------------------------------|--|
| 1 | Internet of things and its application | | Faculty Development Program (FDP) | Mechatronics Engineering | 06-09-2021 | 11-09-2021 | 6 | Online | 80 | 30 |
| 2 | National Innovation and Start-up Policy 2019 for Students and Faculty of HEIs | | Management Development Program (MDP) | NCERC MHRD IIC | 19-05-2020 | 22-05-2020 | 4 | Online | 838 | 30 |
| 3 | 5 days online FDP on Inculcating Universal Human Values in Technical Education organized by AICTE from 2 August 21 to 6 August 2021 | | Faculty Development Program (FDP) | National Coordination Committee for Induction Program | 02-08-2021 | 06-08-2021 | 5 | Online | 122 | 40 |
| 4 | Innovation Ambassador Training (Advanced Level) conducted by MoES Innovation Cell and AICTE from 30 th June to 30th July 21 in online mode | | Faculty Development Program (FDP) | Chairman AICTE and CIO MoEs IIC | 30-06-2021 | 30-07-2021 | 31 | Online | 122 | 120 |
| 5 | Participated in three days online national workshop on Enabling self Reliant Economy through Techno Social Innovations in A perspective of Post COVID 19 Rural India from 25th to 27th June 2020 under Unnat Bharat Abhiyan Cell of MCTs Rajiv Gandhi Institute of Technology Mumbai 53 | | Short-term Certificate Program | Unnat Bharat Abhiyan Cell of Rajiv Gandhi Institute of Technology Mumbai 53 | 25-06-2020 | 28-06-2020 | 4 | Online | 122 | 30 |
| 6 | Recent Trends and Challenges in Data Science | | Short-term Certificate Program | Research and Development Department of Computer Applications | 08-02-2021 | 13-02-2021 | 6 | Online | 100 | 36 |

| | | | | | | | | | | |
|----|---|--|-----------------------------------|---|------------|------------|---|--------|-----|----|
| 7 | Recent Trends in IoT and IIoT for Real World applications through LoRa and LoRaWan Phase I | | Short-term Certificate Program | Computer Science and Engineering | 16-11-2021 | 21-11-2021 | 6 | Online | 100 | 36 |
| 8 | Cyber Security and Cyber Forensics | | Faculty Development Program (FDP) | Computer Science and Engineering | 06-09-2020 | 10-09-2020 | 5 | Online | 80 | 30 |
| 9 | IPR Awareness and Patent Prosecution | | Faculty Development Program (FDP) | Department of Information Technology | 06-05-2020 | 10-05-2020 | 5 | Online | 100 | 30 |
| 10 | Potential and Challenges for integrating 5G networks and IoT applications in Smart city Development | | Short-term Certificate Program | Department of Information Technology | 30-11-2020 | 05-12-2020 | 6 | Online | 100 | 36 |
| 11 | Five Days Faculty Development Program on Current Trends in Online Teaching Strategies | | Faculty Development Program (FDP) | FDP | 15-03-2021 | 19-03-2021 | 5 | Online | 70 | 30 |
| 12 | E-Conference on Sustainable Solutions | | Short-term Certificate Program | Department of Management Studies | 07-05-2021 | 11-05-2021 | 5 | Online | 70 | 32 |
| 13 | Renewable Energy Technologies Ingeration to the Power Grid and E-Vehicle | | Faculty Development Program (FDP) | EEE Department Sairam Institute of Technology | 28-05-2020 | 01-06-2020 | 5 | Online | 55 | 40 |
| 14 | Creativity Innovations and New Product Development | | Faculty Development Program (FDP) | IEDC NCERC | 29-06-2020 | 03-07-2020 | 5 | Online | 55 | 40 |
| 15 | Securities in Global Emergencies | | Faculty Development Program (FDP) | Nehru College of Engineering and Research Centre | 13-07-2020 | 17-07-2020 | 5 | Online | 55 | 80 |
| 16 | Energy Engineering | | Faculty Development Program (FDP) | Syed Ammal Engineering College | 24-08-2020 | 28-08-2020 | 5 | Online | 55 | 80 |
| 17 | Recent Trends in Power System and Energy Management | | Faculty Development Program (FDP) | Younus College of Engineering and Technology | 23-09-2020 | 28-09-2020 | 6 | Online | 55 | 40 |
| 18 | High Impact Teaching and Learning Skills-I | | Faculty Development Program (FDP) | EEE Department Nehru College of Engineering and Research Centre | 30-11-2020 | 05-12-2020 | 6 | Online | 55 | 40 |
| 19 | Electric Vehicles Charging and Challenges | | Faculty Development Program (FDP) | College of Engineering Vadakara | 05-02-2021 | 09-02-2021 | 5 | Online | 55 | 40 |
| 20 | Computer and communication networks | | Faculty Development Program (FDP) | SAI RAM institute of technology | 21-05-2020 | 27-05-2020 | 7 | Online | 60 | 49 |
| 21 | Internet of Things | | Faculty Development Program (FDP) | Indian Institute of Information Technology Nagpur | 07-05-2020 | 11-05-2020 | 5 | Online | 60 | 35 |
| 22 | IPR awareness and patent prosecution | | Faculty Development Program (FDP) | CMR engineering college Hyderabad | 16-05-2020 | 20-05-2020 | 5 | Online | 60 | 35 |
| 23 | Renewable energy technologies integration to powergrid and E Vehicles | | Faculty Development Program (FDP) | Sai Ram Institute of Technology | 28-05-2020 | 01-06-2020 | 5 | Online | 50 | 35 |

| | | | | | | | | | | |
|----|---|--|-----------------------------------|--|------------|------------|---|--------|----|----|
| 24 | Artificial Intelligence | | Faculty Development Program (FDP) | CMR Engineering College | 22-05-2020 | 26-05-2020 | 5 | Online | 50 | 40 |
| 25 | Securities in Global emergencies | | Faculty Development Program (FDP) | Nehru College of engineering and Research centre | 13-07-2020 | 17-07-2020 | 5 | Online | 40 | 40 |
| 26 | computer aided design of Electric systems after the meter | | Short-term Certificate Program | Marian Engineering College | 26-06-2020 | 29-06-2020 | 4 | Online | 55 | 32 |

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

No Data Filled!

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)

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

| Srno | Collaborated Agency Name | Collaborated Agency Type | Purpose of Collaboration | Type of Support Offered | No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership | Date of MOU / Agreement Signed on |
|------|---|----------------------------|--------------------------|-------------------------|---|-----------------------------------|
| 1 | ATHUL ENERGY CONSULTANTS Pvt. Ltd | Non Govt. Agency | | | | 04-02-2020 |
| 2 | AVNER TESTING SERVICES | Non Govt. Agency | | | | 10-06-2020 |
| 3 | SURCHEM Unity Buiding, Mannadiar Lane, Thrissur | Educational Institute | | | | 11-02-2020 |
| 4 | PMK Constructions(India) Pvt.Ltd | Non Govt. Agency | | | | 22-07-2020 |
| 5 | Biomedical Techniques | Non Govt. Agency | | | | 10-11-2020 |
| 6 | Qunexa Infosolutions Pvt.Ltd | Educational Institute | | | | 03-11-2020 |
| 7 | Infosys Campus Connect | Knowledge/Mentoring Agency | | | | 20-02-2020 |
| 8 | SURYASHOBHA Shobha Engineering Company Complex | Non Govt. Agency | | | | 06-06-2020 |
| 9 | Indian Council of Agricultural Research - Central Subtropical Horticulture, Lucknow | Govt. Agency (Central) | | | | 18-05-2022 |
| 10 | QUNEXA Infosolutions Pvt. Ltd Thiruvilwamala, Thrissur, Kerala | Non Govt. Agency | | | | 29-09-2021 |
| 11 | CADLAB M G Road Thrissur | Educational Institute | | | | 29-09-2021 |
| 12 | A2Z Agency, Digital Broadcasting Centre, Alappuzha | Non Govt. Agency | | | | 29-09-2021 |
| 13 | Maruvi Traders, Trichy | Educational Institute | | | | 29-09-2022 |
| 14 | Easy Courses, 3RD FLOOR, Capital Radhas Building Thrissur | Educational Institute | | | | 29-09-2022 |
| 15 | Ramco Cements | Non Govt. Agency | | | | 01-08-2022 |
| 16 | Vajra Learning Solutions | Educational Institute | | | | 29-09-2021 |
| 17 | Anseer Robotics Pvt.Ltd | Educational Institute | | | | 29-09-2021 |
| 18 | Suryashobha, Shobha Engineering Company Complex | Non Govt. Agency | | | | 06-06-2021 |
| 19 | KONFIDENCE EDUCATION | Educational Institute | | | | 10-10-2020 |

| | | | | | | | | |
|----|--|-----------------------|--|--|--|--|--|------------|
| 20 | KONFIDENCE EDUCATION | Educational Institute | | | | | | 10-10-2021 |
| 21 | Information and Communication Technology Academy of kerala | Educational Institute | | | | | | 22-07-2022 |

Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

| Srno | Title/Name of IP(Copyright & Designs Only) | Type of IP(Copyright & Designs Only) | IP(Copyright & Designs Only) Registration Number of Copyright/Design | Application Level | Date of Copyright / Design IP Filed/ Published (Year, Month) | Copy of receipt / application screenshot [PDF or Image] | Current Status of IP(Copyright & Designs Only) as on 31st March 2020 | Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society? |
|------|---|--------------------------------------|--|-------------------|--|---|--|--|
| 1 | A Design of Smart Gloves for Deaf and Dumb using Labview | IPRFiledPublished | ISSN: 2582-39 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 2 | 3D PRINTABLE MOSQUITO TRAP | IPRFiledPublished | 344369-001 | | - | Uploaded | | No |
| | Department/Centre Name | | | | | | | |
| 3 | DEEP LEARNING-BASED DRUG DELIVERY FOR KIDNEY RELATED AILMENTS | IPRFiledPublished | 202141036658 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 4 | Secured mutual authentication protocol using physical unclonable for IoT smart home | IPRFiledPublished | 222041056988A | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 5 | Securing Data Using Encryption and Blockchain Technology | IPRFiledPublished | ISSN No:-2456 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 6 | Real Time Facial Expression Recognition Based On Deep Neural Network | IPRFiledPublished | ISSN 2581-579 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 7 | Security and Privacy Preserving Deep Learning Framework that Protect Healthcare Data Breaches | IPRFiledPublished | ISSN 2581-579 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 8 | Basic Introduction to Fake News Detection | IPRFiledPublished | ISSN: 2321-96 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |

| | | | | | | | | |
|------------------------|---|-------------------|---------------|--|---|----------|--|-----|
| 9 | Development Of Flexible Organic Wireless Rf Devices Utilizing Doppler Radar Fabric Antenna | IPRFiledPublished | ISSN: 2008-80 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 10 | Data Science upon Machine Learning - Apartment Price Prediction | IPRFiledPublished | ISSN: 2321-96 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 11 | Blockchain Technology for Secure Electronic Health Record Systems | IPRFiledPublished | ISSN 2581-579 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 12 | Lung Cancer Identification and Prediction Based on VGG Architecture | IPRFiledPublished | ISSN 2581-579 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 13 | The Internet Of Things On Neural Networks Provides Intelligent Healthcare Management For Diabetic Patients | IPRFiledPublished | ISSN: 2008-80 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 14 | An Efficient Identity Based Encryption in Cloud Computing with Outsourced Revocation | IPRFiledPublished | ISSN 2456-330 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 15 | LIGHTNING ARRESTER FOR DOMESTIC APPLIANCES | IPRFiledPublished | 202041033142 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 16 | Preparation of CuO _{1-x} Mn _x (x= 0.03, 0.05, 0.07) and MATLAB modelling for sustainable energy harvesting applications | IPRFiledPublished | doi:10.1088/1 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 17 | PERFORMANCE ANALYSIS OF A COST EFFECTIVE POWER SUPPLY FOR ELECTROSTATIC PRECIPITATOR | IPRFiledPublished | ISSN 1673-064 | | - | Uploaded | | Yes |
| Department/Centre Name | | | | | | | | |
| 18 | A review on recent opportunities in MATLAB software based modelling for thermoelectric applications | IPRFiledPublished | ISSN: 2548-06 | | - | Uploaded | | Yes |

| | | | | | | | | |
|----|---|-------------------|---------------|--|---|----------|--|-----|
| | Department/Centre Name | | | | | | | |
| 19 | Automatic System Balancing Using Special Protection Scheme, ROCOF and Under Frequency Protection | IPRFiledPublished | ISSN: 1309-46 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 20 | Soft Switched Bi-directional Power Converter for Photo Voltaic System | IPRFiledPublished | DOI 10.4108/e | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 21 | Animal Health monitoring with missing and theft prevention device using wireless sensor network and internet of things(IoT) | IPRFiledPublished | ISSN: 2457-03 | | - | Uploaded | | Yes |
| | Department/Centre Name | | | | | | | |
| 22 | SMART TRAVEL MUG | IPRFiledPublished | 369292-001 | | - | Uploaded | | No |
| | Department/Centre Name | | | | | | | |

Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

| Srno | Title/Name of Patent | IP Registration Number | Date of Filed/Published (Year, Month) | Application Level | Copy of receipt / application screenshot [PDF or Image] |
|------|---|------------------------|---------------------------------------|-------------------|---|
| 1 | Realistic electric load profiling system of textile mills by considering dynamic and stochastic behaviour using GAN | 202141036658 | International | - | Uploaded |
| 2 | Internet of Robotic Things for uninterrupted video surveillance and tracking systems | 2021106665 | International | - | Uploaded |
| 3 | A METHOD OF TRACKING AND MANAGING MUNICIPAL WASTES USING GEO-SPATIAL TECHNOLOGY | 2021102153 | International | - | Uploaded |
| 4 | LIGHTNING ARRESTER FOR DOMESTIC APPLIANCES | 202041033142 | International | 2020 - 09 | Uploaded |

Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Filled!

Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Filled!

List the patent Published & Granted to HEI

No Data Filled!

Declaration

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

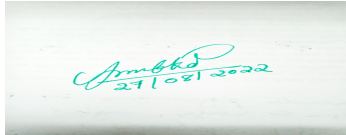
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Ambikadevi Amma T (Head of Institute) and Dr. S.Sankar (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

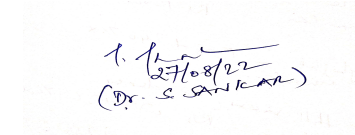
Thank you

The Head of Institute



Dr. Ambikadevi Amma T
Head of the Institution,
Thrissur, Kerala

Nodal officer



Dr. S.Sankar
Nodal Officer,
Thrissur, Kerala