



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: 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

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)
Computer Science Engineering	Academic Department with lab facility	A special Innovative cum high security online project developed by the CSE students using Blockchain Technology on the title "LET'S VOTE Voting System"	UG / PG / PhD	Technical	4	137	54
Computer Science Engineering	Academic Department with lab facility	Actively functioning "Smart India Hackathon" in the name of Chronas at the college.	UG / PG / PhD	Technical	1031	137	54
Electronics Engineering	Academic Department with lab facility	Developed a special project called "Smart Fuel Indication System" to monitor the quantity of fuel being poured and to detect/prevent malfunctions at the petrol bunk.	UG / PG / PhD	Technical	4	137	54
MHRD-IIC	Incubation Unit	Actively functioning-INNOVATIONS	At all level	Both	1031	137	54
UBA	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Actively working and got Rs 50,000 Seed Money-RURAL DEVELOPMENT	At all level	Both	1031	137	54
NGI-NewGenIEDC	Pre-incubation unit	Got 2.5 Lakh from NGI-NewGenIEDC-MECHATRONICS ENGG/Soap Water Filtration System/Name of the Company-ORBCRUX LLP	UG / PG / PhD	Both	2	137	54
NGI-NewGenIEDC	Pre-incubation unit	Got 2.5 Lakh from NGI-NewGenIEDC--MECHATRONICS ENGG/Automated Portable Vertical Solar Stacker- Name of the Company-Furitech Innovations	UG / PG / PhD	Technical	4	137	54

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NGI-NewGenIEDC	Pre-incubation unit	Got 2.5 Lakh from NGI-NewGenIEDC-MECHATRONICS ENGG/Advanced PCB Printing Technology without Etching- Name of the Company- LEWENHOLK TECHNOLOGIES	UG / PG / PhD	Technical	2	137	54
MECHATRONICS ENGG	Academic Department with lab facility	National South West Kick Boxing Championship-2020	UG / PG / PhD	Non-Technical	1	137	54
MECHATRONICS ENGG	Academic Department with lab facility	FIRST AND SECOND UNIVERSITY RANK HOLDERS	UG / PG / PhD	Technical	2	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	The Department has Organized a FACULTY DEVELOPMENT PROGRAM, Sponsored by A P J Abdul Kalam Technological University, on "Power Quality Issue in Power Generation, Transmission and Distribution".	UG / PG / PhD	Technical	94	137	54
IEDC- NCERC	Pre-incubation unit	NODAL OFFICER RECEIVED AN AWARD OF "Confederation of Elite Academicians of IICDC by Texas Instruments"	UG / PG / PhD	Technical	1031	137	54
IEDC-NCERC	Pre-incubation unit	STUDENTS have Received an award "Inspiring Engg. Students to innovate and create ground breaking solutions"	UG / PG / PhD	Technical	1031	137	54
KERALA START-UP MISSION	Pre-incubation unit	Mechanical Engineering Student ASHISH.D project was Selected as one among the Top 20 innovations in the Innovations Unlocked during Student Innovators Meet	UG / PG / PhD	Technical	1031	137	54
MECHANICAL ENGINEERING	Pre-incubation unit	STUDENT ASHISH.D Project was Selected in for using FABLAB of KSUM among the projects participated in Kerala.	UG / PG / PhD	Technical	1031	137	54
NGI-NewGenIEDC	Pre-incubation unit	Got 2.5 Lakh fund from NGI-NewGenIEDC-ELECTRICAL ENGINEERING/Portable Dual Screen attachments for Laptops/name of the Company-PAIRME TECHNOLOGIE	UG / PG / PhD	Technical	1031	137	54

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NGI-NewGenIEDC	Pre-incubation unit	Got 2.5 lakhs fund from NGI- NewGenIEDC/ELECTRICAL ENGG/ Development of Overhead Distribution Line Fault Detection System/Name of the Company- Measurey	UG / PG / PhD	Technical	1	137	54
Kerala Startup Mission-KSUM	Pre-incubation unit	Got 2 Lakhs Fund from KSUM- MECHATRONICS ENGG/PLYING LARVA MANUFACTURING/Name of the Company- PROVAE	UG / PG / PhD	Technical	4	137	54
NCERC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	The Institution has conducted a National Level Technical Fest called " NEHRU SCIENCE AND INNOVATION TECHNICAL EXPO-2019 (NSITE-2019)	At all level	Both	1031	137	54
NCERC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	MOTO EXPO	At all level	Both	1031	137	54
MASTER OF COMPUTER APPLICATION-MCA	Academic Department with lab facility	Technology Support - ODK based Surveys for Gram Swaraj Abhiyan	UG / PG / PhD	Both	850	137	54
MHRD-IIC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Innovation Ambassador Training program	UG / PG / PhD	Technical	1031	137	54
MHRD-IIC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Participated 25 days online session (from 28th April to 22nd May 2020) to Promote Innovation, IPR, Entrepreneurship and Start-ups among HEIs during COVID-19 nationwide lockdown.	UG / PG / PhD	Technical	1031	137	54
UNNAT BHARAT ABHIYAN- UBA	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Three days online national workshop on Rural Development conducted by UBA	UG / PG / PhD	Technical	1031	137	54
NCERC-UNNAT BHARAT ABHIYAN- UBA	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Organized one day free Webinar on " National Innovation& Start up Policy 2019 for Students and Faculties of HEIs"	UG / PG / PhD	Technical	1031	137	54
NCERC-MHRD-IIC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Organized one day free Webinar on "Idea, Innovations, Start-up and IPR"	UG / PG / PhD	Technical	1031	137	54

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NCERC-MHRD-IIC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Participated in the program on "Innovative Technology for Rural Development" and Inaugural ceremony of Swayamsiddha Hackathon 2020 by Dr.V.K.Vijay , National Co-ordinator- UBA of MHRD	UG / PG / PhD	Technical	1031	137	54
MECHANICAL ENGINEERING	Academic Department with lab facility	Conducted one day workshop on skill development for vehicle design and development (E-Mobility)	UG / PG / PhD	Technical	133	137	54
MECHANICAL ENGINEERING	Academic Department with lab facility	Conducted National Level Workshop on "Thinking Other Perspective – Engineering Industry, Entrepreneurship & Advertising".	UG / PG / PhD	Technical	133	137	54
MECHANICAL ENGINEERING	Academic Department with lab facility	Organised a project expo called "HEPHAESTUS PYROMANIA " to show the talent of the students	At all level	Both	1031	137	54
MECHANICAL ENGINEERING- AQIS-AICTE PROPOSALS	Academic Department with lab facility	Successfully have submitted 2 MODROBS to AICTE with faculty ID 1-2189639412 and AQIS Application Number 1-7019819644 Dated 19th December, 2019 and 1-9330939355 Dated 28th December, 2020.	UG / PG / PhD	Technical	1031	137	54
MECHANICAL ENGINEERING- AQIS-AICTE PROPOSAL	Academic Department with lab facility	Successfully submitted 2 SHORT TERM TRAINING PROGRAM (STTP) with faculty ID 1-2189639412 and AQIS Application Number 1- 702384483 dated 20th December, 2019 and 1-7119413110 dated 4th January, 2020	UG / PG / PhD	Technical	1031	137	54
MECHANICAL ENGINEERING- AQIS-AICTE PROPOSALS	Academic Department with lab facility	Successfully have submitted 2 proposals to AICTE to conduct FACULTY DEVELOPMENT PROGRAM (FDP) with faculty ID 1-2189639412 and AQIS Application Number 1-7023653011 dated 20th December, 2019 and 1-7119413031 dated 4th January, 2020.	UG / PG / PhD	Technical	1031	137	54

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MECHANICAL ENGINEERING- AQIS-AICTE PROPOSAL	Academic Department with lab facility	Successfully have submitted 2 proposals to conduct Faculty Development Program (FDP) to AICTE with faculty ID 1- 2189639412 and AQIS Application Number 1- 7023653011 dated 20th December, 2019 and 1- 7119413031 dated 4th January, 2020	UG / PG / PhD	Technical	1031	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	Conducted one FDP on ""Internet of Things, Robotics and its applications"	UG / PG / PhD	Technical	250	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Conducted a webinar on "LATEST TRENDS IN INDIAN AUTOMOTIVE INDUSTRY"	UG / PG / PhD	Technical	70	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Conducted webinar on "THE INDIAN AUTOMOTIVE SECTOR & ANALYSIS OF AN AUTOMOTIVE FIRM"	UG / PG / PhD	Technical	73	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended 5 days FDP on " Coastal Protective Measures And Its Importance In Kerala	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended one day Webinar on "Latest Trends In Indian Automotive Industry"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended one day webinar on "The Indian Automotive Sector & Analysis Of An Automotive Firm"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Participate and completed add on course on "Bearings by Tata Steel"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Participate and completed add on course on "Measuring Instruments by Tata steel"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	participate and completed add-on course on "Measuring Instruments by Tata steel"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	participate and completed add on course " Mechanics of Materials by Coursera"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended one day webinar on " Standing up for Science"	UG / PG / PhD	Technical	28	137	54

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AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended one day webinar on Machine Learning"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended one day webinar on Patent Document Preparation	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended one day webinar on Big Data Analytics	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Attended one day webinar on "An Editors guide to writing a review article"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty attended add-on course on the title "Converting Challenges into Opportunities"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty attended add-on course on "E learning program on Industry 4.0"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty attended add-on course on "E learning program on Measuring instrument"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty attended add-on course on " E learning program on Basic TQM"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty attended add-on course on "Creative Thinking: Techniques and Tools for Success"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty has attended an E-Conference named "NECTAR" and presented a paper on the title "Front Impact Mitigation System "	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty has attended one day webinar on "The Indian Automotive Sector & Analysis Of An Automotive Firm"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty attended 5 days FDP on "Students Counseling"	UG / PG / PhD	Technical	28	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Faculty attended one day add-on course on "Fuel and combustion "	UG / PG / PhD	Technical	28	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	The Dept has conducted 30 hrs certificate course on" POWER ELECTRONICS SIMULATION USING MATLAB"	UG / PG / PhD	Technical	50	137	54

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ELECTRICAL ENGINEERING	Academic Department with lab facility	The dept has conducted 30 hrs certificate course on "ELECTRICAL VEHICLE (FUTURE MOBILITY)"	UG / PG / PhD	Technical	27	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept has organised one day webinar on "Swayam NPTEL"	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept has organised one day webinar on "Signals & Systems"	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept has conducted 5days FDP on " IOT, Robotics & its Applications along with Mechatronics Engineering" "	UG / PG / PhD	Technical	225	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept has conducted one day webinar on " Transmission Line Graphical Tool- Smith Chart"	UG / PG / PhD	Technical	200	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept has conducted one day webinar on " Selection of Microcontrollers"	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept has conducted one day webinar on " Logic Circuit Design & Verification using Modelism"	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept has conducted one day webinar on " Biometric Recognition"	UG / PG / PhD	Technical	100	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept faculty Prof.P.Rajkumar has attended 5 days FDP on " AICTE ATAL online FDP on " Artificial Intelligence"	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept faculty Prof.Jithin Jose Kallada has attended 55 days online training on "Android App Development"	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept faculties have attended 5 online National level FDP's by North Storm Academy, Evolution of Teaching learning Process, post Covid-19 and etc	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept faculties have attended 2 Refresher course on "Recent Innovations in Electrical Electronics, Instrumentation and Teaching Pedagogy"	UG / PG / PhD	Technical	105	137	54

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ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept faculties have attended online seminar on " The scope of Engg Education and branches after Covid-19.	UG / PG / PhD	Technical	105	137	54
ELECTRONICS ENGINEERING	Academic Department with lab facility	The dept faculties have attended online Workshops on " Design of Experiments: An Engineering Perspectives"	UG / PG / PhD	Technical	105	137	54
Computer Science and Engineering	Academic Department with lab facility	IPR awareness and patent prosecution	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	FDP on Security in Global Emergencies	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	FDP on Creativity, Innovations and new product development	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Economic Meltdown poses threat to financial stability	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	FDP on Internet of Things, Robotics and its application	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ATAL workshop on Cloud Technology	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ATAL workshop on Neural Network and Deep Learning	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	IoT, Robotics and Applications	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ATAL FDP on Block Chain	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ATAL FDP on AR/VR	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ATAL FDP on AR/VR	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Sustainability Engineering	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ATAL FDP Cyber Security : Attacks and Tools	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Artificial Intelligence	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ATAL FDP on Data Science with Statistical Methods using R Programming: Contribution and Developments	UG / PG / PhD	Technical	1031	137	54

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Computer Science and Engineering	Academic Department with lab facility	ATAL FDP Cyber Security : Attacks and Tools	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Developing Next Generation Teachers in Higher Education	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	High impact teaching and learning skills	At all level	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	ANN Workshop	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Symbiotic Relationship between IoT, Cloud technologies and AI	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Learn Arduino step by step	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	FUZZY LOGIC AND NEURAL NETWORK APPROCHES FOR ENGINEERING SOLUTIONS	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Fundamentals of Machine Learning	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Entrepreneurship skills	At all level	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Patent Document Preparation	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Introduction to Django	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Real world Applications	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Webinar on machine learning	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Webinar on machine learning	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	webinar on block chain	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	webinar on cyber physical systems in the UK railways by Institution of engineering and technology	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	webinar on machine learning	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	webinar on Image processing using openCV	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Patent Document Preparation	UG / PG / PhD	Technical	1031	137	54

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Computer Science and Engineering	Academic Department with lab facility	webinar on solar home system design	UG / PG / PhD	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	webinar on Design process	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Webinar on VANETS	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Webinar on big data analytics	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Kerala model of Public health development- Lessons from Covid-19 pandemic	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Webinar on "How to manage during the current crisis?"	At all level	Both	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Kerala Development Model: A Revisit	UG / PG / PhD	Non-Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Education and Career in 4th Industrial Revolution	UG / PG / PhD	Non-Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Connecting dots- Time, Stress, Work and Life	UG / PG / PhD	Non-Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Art of giving and getting feedback	UG / PG / PhD	Non-Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	webinar on basics of wind energy conversion by IEEE & IETI branch college of engineering, Aranmula	UG / PG / PhD	Technical	1031	137	54
Computer Science and Engineering	Academic Department with lab facility	Webinar on Research Workflows, Research Metrics & Excellence in Academic Institutes	UG / PG / PhD	Both	1031	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has Attended Webinar on "Smart battery Energy Management and Health Conscious Fast Charging for Future Transportation"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Public Transport post Covid-19"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Image Processing Basics With Python OpenCV"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar series on "Internet Of Things"	UG / PG / PhD	Technical	94	137	54

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ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Robotic Process Automation"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Basics of Wind Energy Conversion"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar training course and all requirements for the "High Voltage Vehicle Safety System for EV's & HEV's"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Design of Solar Home System"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Lean for Leaner Days"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Electric Vehicle Charging System"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Blockchain Technology"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Skills Acquired during the Transition"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Industrial Applications of Artificial Intelligence"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Grid Connected and Standalone PV Solar Plant Design Using PV-System"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "PLC's In the World of Automation"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Engineering – Real World Application"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Re-imaging Education"	UG / PG / PhD	Technical	94	137	54

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ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar Series on "Home Energy Assessment & Audit"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "YOU 2.0"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Application of Space technology in our day to day life "	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Energy Audit"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar Series on " Protection and Switchgear "	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Emerging Technologies Redefining Automotive Industries"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Grid Connected and Stand-alone Solar Plant Design Using PV Syst Part-2"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on " Tough times never last, but tough people do "	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Hybrid Algorithms and its Applications in Engineering"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Webinar on "Electrical Engineering-Career and Prospects"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended FDP on "Power Quality issues in Power Generation, Transmission and Distribution"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended FDP on "Renewable Energy Technologies, Integration to the Power Grid & E-Vehicle"	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Awareness Quiz organized by IQAC St. Joseph College(Autonomous) Irinjalakuda, Kerala in Association with Department of Biotechnology & Department of Zoology	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Maheswaran K has attended Online hands on workshop "Google Cloud Online Study Jam"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended FDP on power quality issues in power generation, transmission and distribution sponsored by APJ Abdul Kalam technological university	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended FDP on "Computer and communication networks"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended AICTE Training And Learning (ATAL) Academy FDP on "Internet of Things (IoT)" at Indian Institute of Information Technology(IIT Nagpur).	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	FDP on IPR awareness and patent prosecution, organized by CMR engineering college,Hyderabad	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Fuzzy logic and neural network approaches for engineering solutions organized by JAER and powered by hexacube, india	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Power Systems Generation	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on PLCs	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Transformer	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Induction motor	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Power system protection	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Instrument and control systems	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Power system earthing	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Power system power cable	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Fan and Blower	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Advanced Microsoft excel	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed TATA STEEL course on Power system transmission and distribution	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed FLUKE certification course on Electrical measurement safety	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed FLUKE certification course on Insulation resistance testing	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed FLUKE certification course on Digital multimeter basics	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed FLUKE certification course on Troubleshooting motor and drives	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed Arduino lessons by cursa applications	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed Business analysis for engineers by cursa applications	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed Electrical fabrication of silicon by cursa applications	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed Electrical Home wiring by cursa applications	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has completed Electricity course by cursa applications	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended webinar on Control systems with MATLAB and simulink	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended webinar on Global trends in EV power train	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended webinar on Grid connected and standalone solar plant design using PVSyst	UG / PG / PhD	Technical	94	137	54
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	94	137	54
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	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Design of home solar system	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Basics of wind energy conversion	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Machine Learning	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onAcademics beyond B.Tech	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onBig data analysis	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onVirtual labs	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onGrid connected and standalone solar plant design using PVSyst Part-2	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Hybrid algorithm and its applications in Engineering	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onCyber physical systems in UK railways	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onMachine Learning	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onImage processing- open CV	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onInternet of Things	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Image processing using python	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onTrends and technologies in VLSI	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onElectric solar vehicle project	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar onLow power VLSI design and technology	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Microstrip antenna design	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Patent document preparation	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Positive self enhancement and coping with lockdown stress	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Use of remote energy monitoring and data analysis for energy saving	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Insights to industry 4.0	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Smart battery energy management and health conscious fast charging for future transportation	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Virtual Reality	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on What industry expects from you	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the webinar on Machine learning, Artificial intelligence and Deep learning	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the workshop on Fuzzy logic and neural network approaches for engineering solutions	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. David E, has attended the workshop on Arduino IDE-TINKERCAD simulator	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended an online course on the topic Sociology by CrashCourse	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended an online course on the topic Economics by Crashcourse	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended an online course on the topic Human Resource management Concepts by Gregg Learning	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended an online course by CURSA on the topic "Logical Reasoning by Career Ride" on 30/04/2020 on tricks and tips to appear for competitive examinations	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has done an online course in Human Resource Management(HRM) in the topic Human Resource Strategy and Planning	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has done an online course on Data Journalism	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has done an online courses in: (1) Understanding Electrical Wiring (2) Types of Electrical Wiring (3) How to check wiring in Home?	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has done an online course in Human Resource Management(HRM) in the topic Human Resource Strategy and Planning	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has done an online course on Data Journalism	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended Webinar on Electric Vehicle Battery Management System and Charging	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar on "Tips for Facing Physical and Mental Health Issues in Overuse of Digital Gadgets".	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended Webinar 13 : "Image Processing Basics with Python OpenCV"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar on Grid connected and stand alone solar plant design using PV system on May 7 from 10:30 AM to 12 PM, organized by IEEE student branch chapter of SJIT, Chennai	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar organised by IEEE Kerala chapter on the topic " Innovative Design Thinking For Non-designers" on May 6, from 6 PM to 7PM	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar on the topic" Artificial Intelligence, Machine Learning and Deep Learning" on May 5 from 7:30 PM onwards organised by IEEE chapter of Saint Gits College of Engineering	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar on Patent Document Preparation handled by Prof. Rajkumar G, AP/EEE Dept. NCERC on May 9 from 10:30 AM to 11:30 AM.	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar organised by KSEB Engineers Association in the topic "Extra High Voltage Cable Accessories"on May 9 from 7:30 PM to 8:30 PM	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar organised by Intersociety weekly webinar series on the topic "Technology disruptions in post 2030 era and our preparedness" handled by Dr. Somnath, Director VSSC on May 20, from 6 PM to 7 PM	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar organised by IEEE Educational activities Kerala and IEEE PES Kerala chapter on " Lessons to learn from April 5 lights off" handled by Dr. Sasi K Kottayil, Professor, Amrita School of Engineering, on May 21 from 4:30 PM to 6 PM.	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar organised by Industry attachment cell, APJ Abdul Kalam University on the topic " Significance of Pursuing Management education in the current scenario" handled by Dr. L S Ganesh , Professor IIT Madras, on May 22, from 2:30 PM to 4 PM	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attended a webinar organised by EEE department, NCERC in association with PES Kerala chapter on the topic" Paradigm shift in Electric Grid post Covid-challenges and opportunities in renewables" handled by Dr. Sobha Manakkal, HoD, EEE department, NCERC, Vice-chairman, IEEE PES Kerala chapter, Malabar region and Shri. Ajith Gopi, Program Officer, ANERT dept. of power and Vice chair, IEEE-PES Kerala chapter, Travancore region on May 23, from 9:30 AM to 11:15 AM.	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has attendede FDP on DATABASE----- 3 DAYS FDP	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has Registered for FDP by AICTE and ATAL on the topic "Internet of Thing(IoT)" from 7/5/2020 to 11/05/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Anoopkumar M V ,has Registered for an AICTE FDP on Internet of Things (IoT)	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the webinar on "INTRODUCTION TO ROBOTICS" Organized by DEPARTMENT OF EEE of SURYA GROUP OF INSTITUTIONS School of Engineering and Technology held on 15th June 2020 "	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the webinar on "INTRODUCTION TO HYPERLEDGER IROHA" presented by Mr. MAKOTO TAKEMIYA (CEO - Soramitsu, Japan) organized by Kerala Blockchain Academy in association with Hyperledger Kochi on 20th June 2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the webinar on " Industrial Oriented Electrical Safety" presented by Mr.K.Arul,Additional Director(Retd),Directorate of Industrial Safety & Health, Coimbatore-organized by Department of Electrical and Electronics Engineering ,St.Mother Theresa Engineering College,Tuticorin,Tamil Nadu on 29.06.2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the One week international webinar series on Power system engineering & Electric vehicles organized by Dept. of EEE , B.L.D.E.A's V.P.Dr.G. Halakkatti College of Engg. & Technology ,Vijayapura during 08/06/2020 to 12/06/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the Webinar on SMART GRID TECHNOLOGY AND ITS OPPORTUNITIES organized by DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING in association with INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE), STUDENTS CHAPTER on 26 June, 2020	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the FDP on Renewable energy technologies , integration to powergrid & E-vehicles from 28/05/2020 to 01/06/2020, organized by Sairam Institute of Technology , Chennai	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the Four days online STTP on computer aided design of Electric systems after the meter organied by EEE Dept. Marian Engineering college, thiruvananthapuram 26-29 june 2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the Webinar on Grid modernisation and smart grid, EEE Department, SACS MAVMM Engg. College, Madurai on 20/06/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the webinar on "Question Paper Settings: OBE" organized by Electrical Engineering Department, ADCET, Ashta, On 6/21/2020. Certificate ID: V7K0A0-CE000212	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the Webinar "EFFICIENT ENERGY AUDITING TECHNIQUES " organized by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Thandalam Chennai on 26/07/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the webinar on " Indian Power Grid & Market" presented by Dr.S.G.Bharathidasan, Associate Professor, Sri Venkateswara College of Engineering - organized by Department of Electrical and Electronics Engineering ,St.Mother Theresa Engineering College, Tuticorin, Tamil Nadu on 04.07.2020	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has participated in the 2.5 hour webinar by Dr. D. P. Kothari, Former VC, VIT University on FUNDING PROJECTS, CONSULTANCIES AND BOOK WRITING on July 8, 2020, organized by Electronics and Communication Engineering department, Vimal Jyothi Engineering College, Kannur, Kerala.	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has presented paper on AN ADAPTIVE FUZZY PID CONTROL OF ZERO CURRENT SWITCHING RESONANT BUCK CONVERTER, in the event "Virtual International Conference on POWER INITIATIVES (ICPI-2020)" organized by Department of EEE & IEEE Student Branch(STB-64616) of K.Ramakrishnan College of Engineering on 22nd & 23rd of JULY 2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr.Rajesh P, has attended a Webinar on NEW TRENDS IN LIGHTING DESIGN organized by DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING, JYOTHI ENGINEERING COLLEGE, THRISSUR in association with IEEE & IEEE-IAS on 4 July, 2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended Webinar on "Research Issues in the Development of Wireless Sensor Networks for Smart Grid" Organized by Department of Electrical & Electronics Engineering, Raghu Engineering College (A), Visakhapatnam on 25th-July	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended webinar on "RECENT TRENDS IN OPTIMAL POWER FLOW PROBLEM" on 26th July 2020, Organised by Department of Electrical and Electronics Engineering, SHM Engineering College, Kadakka	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended webinar on, "Design of PV Systems for Domestic Consumers", organized by EEE Department, Ahalia School of Engineering and Technology, Palakkad on 21-05-2020.	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended webinar on, "Programmable Logic Controllers – Industrial Perspective", organized by EEE Department, Ahalia School of Engineering and Technology, Palakkad on 23-05-2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended Webinar on "Blockchain Technology" Organized by Sreepathy Institute of Management And Technology in association with Innovation & Entrepreneurship Development Centre (IEDC-KSUM), IEEE Student Branch of SIMAT, Kerala Blockchain Academy, Kerala Blockchain Academy Innovation Club (KBAIC) & Institution's Innovation Council (IIC) on 12/05/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended online Webinar on " Energy Audit" by Prof. Nandan Gopinath, Department of EEE, Sree Buddha College of Engineering, Pattoor on 19 May, 2020 via cisco-webex.	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has Attended a webinar on introduction to IoT and case study on industrial applications, organized by IEDC cell, Mar Baselios college of engg. & Technology on 28,29 May 2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has Completed a short term course on Electrical Measurement Safety by FLUKE 21/04/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has Completed a short term course on Insulation Resistance Testing by FLUKE 21/04/2020	UG / PG / PhD	Technical	94	137	54
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" held from 22.05.2020 to 26.05.2020 organised by the Department of Information Technology, CMR Engineering College, Hyderabad, in collaboration with NYCI & Brainovision Solutions India Pvt.Ltd setting a proud world record with 13000 diligent learners across the Nation	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has participated in the webinar series on Accreditation and Quality of Engineering Education from ABET Perspective, organized by Strategic Initiatives for Academic Engagement, IEEE Kerala Section in association with APJ Abdul Kalam Technological University, Kerala in May 2020.	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended the Webinar "Preparing for Online Teaching" Presented by Dr. Muralee Thummarakudy Operations Manager, Crisis Management Brach, United Nations Environment Programme May 21, 2020 - Duration 90 Minutes	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has Attended Faculty awareness program on NBA and Outcome Based Education organized by JSPM Narhe Technical Campus on 2/5/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has Attended webinar on Patent Document Preparation organized by IEDC- NCERC on 09/05/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has attended Webinar on Micro/Nano system technology & Processes - An industry perspective, organized by SAINTGITS on 25/05/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajesh P, has Completed a course on Power Systems Generation by TATA Steel on 27/04/2020	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Dr. Sobha Manakkal, has attended Intersociety weekly webinar on Emerging Cyber Security Concerns in the Post-COVID 19 by Satish Babu, APRALO, ICANN on 22/04/2020 organised by internet society, India Trivandrum Chapter, IEEE Kerala Section, IE(I) Kerala Chapter, CSI & PMI	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Dr. Sobha Manakkal, has attended Intersociety weekly webinar on Engineers, COVID19 and War on Pandemics by Prof. V K DamodaranLife Senior Member of IEEE, Fellow of Institution of Engineers (India) on 15 April 2020 Wednesday at 6.00 pm	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Dr. Sobha Manakkal, has attended Webinar on operational challenges that the Power Engineers faced on the day the whole country had it's load switched off and on in a span of ten minutes. Date*: April 22nd 2020, *Time*:8pm to 9pm by *Mr. S. R. Anand*, Deputy Chief Engineer, Ernakulam, *Mr. Suresh Kumar A*, Assistant Executive Engineer, State Load Dispatch Centre, Kalamassery and *Mr. Sunil Kumar V V*, Executive Engineer, PMU, Alappuzha	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Dr. Sobha Manakkal, has attended Webinar on "Engineering in Healthcare and Public Health Facilities." The session will be handled by Dr.Jithesh K.A., Medical superintendent of District Hospital Mavelikara, Alappuzha. Date: Friday, May 1, 2020 Time: 5:00 pm India Time (Mumbai, GMT+05:30) 1 hrs NPTEL Lecture series Animation: To Exclaim or To Explain Dr. Sameer S. Sahasrabudhe Project Research Scientist, IDP Educational Technology,,IIT Bombay,May 01,2020,7p.m.	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Dr. Sobha Manakkal, has attended a webinar on "Basics of Wind Energy Conversion" organized by Institute of Engineers,India(IEI)	UG / PG / PhD	Technical	94	137	54
Computer Science Engineering	Academic Department with lab facility	Conducted 2 days Training program on Ethical Hacking	At all level	Both	12	137	54
Electronics Engineering	Academic Department with lab facility	Conducted one day Training program on Python Programming	UG / PG / PhD	Both	8	137	54
MECHANICAL ENGINEERING	Academic Department with lab facility	Conducted two days Training on "Finite Element Analysis using ANSYS"	UG / PG / PhD	Technical	13	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Conducted one day Training Program on "HVAC in Automobiles"	UG / PG / PhD	Both	15	137	54

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

NCERC	Academic Department with lab facility	Institute conducted 5 days FDP on " Students Counseling"	UG / PG / PhD	Technical	4	137	54
Computer Science Engineering	Academic Department with lab facility	Dept has conducted one day Training program on Internet of Things	UG / PG / PhD	Both	19	137	54
Computer Science Engineering	Academic Department with lab facility	Dept has conducted one day training program on "Digital Marketing"	UG / PG / PhD	Technical	19	137	54
MECHANICAL ENGINEERING	Academic Department with lab facility	Training on Design of Heat exchangers	At all level	Non-Technical	12	137	54
NCERC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	The Institution has conducted South India's Largest Cultural Extravaganza Bloom-20-Twenty	At all level	Both	1031	137	54
NCERC	Academic Department with lab facility	The Institution has conducted a "Staff Day"	At all level	Both	1031	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has completed course on Power System Transmission and Distribution	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has completed a course on Transformers	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has completed a course on Intellectual Property	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a webinar on Household Electrical Devices & Appliances	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a webinar on Being Next-Gen Entrepreneur	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a webinar on Emerging Cybersecurity Concerns in Post-COVID 19 Scenario	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Workshop on Universal Human Values	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has completed a course on Electrical Measurement Safety	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has completed a course on Insulation Resistance Testing	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Virtual Conference on World IP day	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Hangout with Emerging Innovators & entrepreneurs Supported through MIC and AICTE	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a webinar on Role of Network Enablers in driving I &E in HEI's	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a webinar on Hangout with Successful Startup Founder	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a webinar on How to Identify Right Problem and Solution using Double Diamond approach in Design	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Artificial Intelligence and Machine learning and Deep Learning	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Image Processing Basics with Python Open CV	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Robotic Process Automation	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Basics of Wind Energy Conversion	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended FDP on Challenges in Building Collaborations in Research and Innovations	UG / PG / PhD	Non-Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Extra High Voltage Cable-Accessories-Joints and Accessories	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Design of Home Solar System	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended a Webinar on Machine Learning	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Webinar on Global Trends in EV power Train	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended HTML online Quiz Program	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended International Seminar on IPR	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Webinar on National Innovation and Start-up Policy 2019 for Students and Faculty of HEIs	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Webinar on Fundamentals of Signal Processing	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Webinar on Power Quality Analysis Modelling and Simulation using ETAP	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Webinar on Master Class for Startup Investor Meet	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Paradigm Shift in Electric Grid Post Covid- Challenges and Oppurtunities in Renewables	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended FDP on Artificial Intelligence	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Quiz by IIC on ROBOTICS, AI, IoT, and Emerging Technologies	UG / PG / PhD	Technical	94	137	54

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

ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended webinar on "Hybrid Algorithms and its Applications in Engineering"	UG / PG / PhD	Technical	94	137	54
ELECTRICAL ENGINEERING	Academic Department with lab facility	Mr. Rajkumar G, has attended Quiz on Entrepreneurship Development	UG / PG / PhD	Technical	94	137	54
AUTOMOBILE ENGINEERING	Academic Department with lab facility	Conducted one day Refresher Course on Electric hybrid Vehicle	UG / PG / PhD	Both	15	137	54
Master of Computer Application	Academic Department with lab facility	NECTAR - Kerala's first of its kind e-Conference	At all level	Both	190	137	54
Master of Computer Application	Academic Department with lab facility	NAPPIER - Virtual Academic Content Data Base Application	At all level	Both	100	137	54
Master of Computer Application	Academic Department with lab facility	Knowledge Partner - IECM Talk Series	At all level	Both	1300	137	54
Master of Computer Application	Academic Department with lab facility	Knowledge Partner - ITL-Club Webinar Series	At all level	Both	750	137	54
NCERC	Pre-incubation unit	Intellectual Property Rights	UG / PG / PhD	Technical	1031	137	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	Yes	IIC Registration ID : IC201811015
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

1	One day workshop on skill development for vehicle design and development (E-Mobility)	IPR, Entrepreneurship/Startup, Innovation	Workshop	Student Lead Activity	Mechanical Engineering	18-04-2019 00:00:00	18-04-2019 00:00:00	1	Within Campus	133	12	23	5	173	No	No	
2	National Level Workshop on "Thinking Other Perspective – Engineering Industry, Entrepreneurship & Advertising	Entrepreneurship/Startup	Workshop	Student Lead Activity	Mechanical Engineering	23-04-2019 00:00:00	23-04-2019 00:00:00	1	Within Campus	113	12	20	4	149	No	No	
3	Project expo called "HEPHA ESTUS PYROMANIA " to show the talent of the students-	Innovation	Workshop	Student Lead Activity	Mechanical Engineering	23-04-2019 00:00:00	23-04-2019 00:00:00	1	Within Campus	113	12	20	6	151	No	No	
4	Faculty Development Program (FDP) on "Power Quality Issues in Power Generation, Transmission and Distribution".	Innovation	Skill development	Institute Lead Activity	Electrical Engineering	27-01-2020 00:00:00	31-01-2020 00:00:00	5	Within Campus	94	10	30	20	154	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	95284	No
5	National Level Technical Fest-Nehru Science Innovation and Technical Expo-NSITE-2019	Innovation	Exhibition	Institute Lead Activity	NCERC	19-11-2019 00:00:00	20-11-2019 00:00:00	2	Within Campus	1034	137	500	75	1746	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	232367	No

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

6	South India's Largest Cultural Extravaganza BLOOM-20-Twenty	Innovation	Skill development	Institute Lead Activity	NCERC	19-02-2020 00:00:00	20-02-2020 00:00:00	2	Within Campus	1031	137	200	35	1403	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	536107	No
7	STAFF DAY	Innovation	Motivational speak	Institute Lead Activity	NCERC	21-12-2019 00:00:00	21-12-2019 00:00:00	1	Within Campus	15	131	5	10	161	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	321332	No
8	FDP on Emerging trends in VLSI, Embedded System and its Application in Biomedical Sector	Innovation	Training	Institute Lead Activity	Electronics and Communication Engineering	10-07-2019 00:00:00	12-07-2019 00:00:00	3	Outside Campus	0	5	0	0	5	No	No	
9	Training program on - HVAC in Automobiles	Innovation	Awareness	Institute Lead Activity	Automobile Engineering - NCERC	01-02-2020 00:00:00	01-02-2020 00:00:00	1	Within Campus	0	30	0	0	30	No	No	
10	Refresher Course on HYBRID ELECTRIC VEHICLE	Innovation	Awareness	Institute Lead Activity	AUTOMOBILE ENGINEERING-NCERC	06-12-2019 00:00:00	07-12-2019 00:00:00	2	Within Campus	0	30	0	0	30	No	No	
11	FDP on STUDENTS COUNSELLING	Innovation	Mentoring Session	Institute Lead Activity	NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE - PAMPADY	06-01-2020 00:00:00	10-01-2020 00:00:00	5	Within Campus	0	137	0	0	137	No	No	
12	ANN Workshop	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Computer Science and Engineering	01-03-2020 00:00:00	03-03-2020 00:00:00	3	Outside Campus	100	14	0	0	114	No	No	

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

13	FDP on Trends in Electric Vehicle Technology	Innovation	Training	Institute Lead Activity	Teaching Learning Centre, Coimbatore Institute of Technology	01-07-2019 00:00:00	05-07-2019 00:00:00	5	Within Campus	0	0	0	1	1	No	No
14	Training on Design of Heat exchangers	Innovation	Skill development	Institute Lead Activity	Mechanical Engineering	23-11-2019 00:00:00	23-11-2019 00:00:00	1	Within Campus	5	12	5	10	32	No	No
15	Training on Finite Element Analysis using ANSYS	Innovation	Skill development	Institute Lead Activity	Mechanical Engineering	25-07-2019 00:00:00	27-07-2019 00:00:00	3	Within Campus	15	13	5	6	39	No	No
16	Technology Support - ODK based Surveys for Gram Swaraj Abhiyan	Innovation	Skill development	Institute Lead Activity	Master of Computer Application	01-10-2019 00:00:00	06-10-2019 00:00:00	6	Outside Campus	5	7	2	3	17	No	No
17	Webinar on Introduction to IPR	IPR	Seminar	Institute Lead Activity	NCERC	03-10-2019 00:00:00	05-10-2019 00:00:00	3	Within Campus	125	23	21	7	176	No	No

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	FDP on Power Quality issues in Power Generation, Transmission and Distribution	Innovation	Skill development	NCERC	Educational Institute	27-01-2020 00:00:00	31-01-2020 00:00:00	5	0	30	30	No	---	---	No	No

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

2	Coastal Protective measures and its importance in Kerala	Innovation	Awareness	Jawaharlal College of Engineering and Technology- Lakkidi	Educational Institute	06-01-2020 00:00:00	10-01-2020 00:00:00	5	10	35	45	No	---	---	No	No			
3	FDP on IOT and ROBOTICS	Innovation	Training	Ammini College of Engineering	Educational Institute	17-07-2019 00:00:00	19-07-2019 00:00:00	3	0	1	1	No	---	---	No	No			
4	FDP on STUDENTS COUNSELLING	Innovation	Mentoring Session	NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE - PAMPADY	Educational Institute	06-01-2020 00:00:00	10-01-2020 00:00:00	5	0	137	137	No	---	---	No	No			
5	Innovation Ambassador Training program	IPR	Training	MHRD-IIC	Govt. Agency (Central)	26-02-2020 00:00:00	27-02-2020 00:00:00	2	0	4	4	No	---	---	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>8500</td> </tr> </table>		Total Expense Amount Incurred by Institute? (In Rupees)	8500	No
Total Expense Amount Incurred by Institute? (In Rupees)	8500																		

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

No Data Filled!

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

No Data Filled!

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20			
1	Dr S Sankar	MHRD-IIC-NCERC	Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
2	Dr.Sudheer S Marar	MHRD-IIC-NCERC	Professor	No	Yes			

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
3	S.Sundaramoorthy	MHRD-IIC-NCERC		Assistant Professor				Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
4	G.Rajkumar	MHRD-IIC-NCERC		Assistant Professor				Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
5	Vipin KM	Computer Science and Engineering		Professor				No	
6	Anu Rinny Sunny	Computer Science and Engineering		Professor				No	
7	Baby V	Computer Science and Engineering		Professor				No	

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

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Provae	Startup Club	2019	None	Incubation Unit	1	Jithin TJ	jithintj555@gmail.com	7356299816
2	MEASUREY	Startup Club	2019	None	Incubation Unit	1	Cyril Joseph	cj85471@gmail.com	8547127716
3	LEWENHOLK TECHNOLOGIES	Startup Club	2019	None	Incubation Unit	1	Akshay M S	akshayms099@gmail.com	7356732099
4	FURITECH INNOVATIONS	Startup Club	2019	None	Incubation Unit	1	Anas Mohammed Ali	anasameer903@gmail.com	9961677293
5	ORBCRUX	Startup Club	2019	None	Incubation Unit	1	Shahrooque Shahjahan	shahrooqueshahjahan97@gmail.com	9447524938
6	PAIRME Technologies	Startup Club	2019	None	Incubation Unit	1	Ujjawal K Menon	ujjwalkmenon@gmail.com	9868111413

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

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?
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List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

1	Provae	Startup Cell	2019	None	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof.R ajkumar.G</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajkumar.g@nce.rc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8089908512</td> </tr> </table>	Facility Incharge Name	Prof.R ajkumar.G	Facility Incharge Email	rajkumar.g@nce.rc.ac.in	Facility Incharge Phone	8089908512	4	Yes	No	Yes
Facility Incharge Name	Prof.R ajkumar.G																
Facility Incharge Email	rajkumar.g@nce.rc.ac.in																
Facility Incharge Phone	8089908512																
Source of Grant / Fund					Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)							
Funding Agency					KSUM			Govt. Agency (State)		105000							
2	MEASUREY	Startup Cell	2019	None	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof.R ajkumar.G</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajkumar.g@nce.rc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8089908512</td> </tr> </table>	Facility Incharge Name	Prof.R ajkumar.G	Facility Incharge Email	rajkumar.g@nce.rc.ac.in	Facility Incharge Phone	8089908512	2	Yes	No	Yes
Facility Incharge Name	Prof.R ajkumar.G																
Facility Incharge Email	rajkumar.g@nce.rc.ac.in																
Facility Incharge Phone	8089908512																
Source of Grant / Fund					Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)							
Funding Agency					NEWGEN-IEDC			Govt. Agency (Central)		250000							
3	LEWENHOLK TECHNOLOGIES	Startup Cell	2019	None	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof.R ajkumar.G</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajkumar.g@nce.rc.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8089908512</td> </tr> </table>	Facility Incharge Name	Prof.R ajkumar.G	Facility Incharge Email	rajkumar.g@nce.rc.ac.in	Facility Incharge Phone	8089908512	3	Yes	No	Yes
Facility Incharge Name	Prof.R ajkumar.G																
Facility Incharge Email	rajkumar.g@nce.rc.ac.in																
Facility Incharge Phone	8089908512																
Source of Grant / Fund					Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)							
Funding Agency					NEWGEN-IEDC			Govt. Agency (Central)		250000							

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

4	FURITECH INNOVATIONS	Startup Cell	2019	None	Incubation Unit	Incubation Unit	Facility Incharge Name	Prof.R ajkumar.G	5	Yes	No	Yes
							Facility Incharge Email	rajkumar.g@ncearc.ac.in				
							Facility Incharge Phone	8089908512				
Source of Grant / Fund					Agency Name				Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)	
Funding Agency					NEWGEN-IEDC				Govt. Agency (Central)		250000	
5	ORBCRUX	Startup Cell	2019	None	Incubation Unit	Incubation Unit	Facility Incharge Name	Prof.R ajkumar.G	3	Yes	No	Yes
							Facility Incharge Email	rajkumar.g@ncearc.ac.in				
							Facility Incharge Phone	8089908512				
Source of Grant / Fund					Agency Name				Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)	
Funding Agency					NEWGEN-IEDC				Govt. Agency (Central)		250000	
6	PAIRME Technologies	Startup Cell	2019	None	Incubation Unit	Incubation Unit	Facility Incharge Name	Prof.R ajkumar.G	2	Yes	No	Yes
							Facility Incharge Email	rajkumar.g@ncearc.ac.in				
							Facility Incharge Phone	8089908512				
Source of Grant / Fund					Agency Name				Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)	
Funding Agency					NEWGEN-IEDC				Govt. Agency (Central)		250000	

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

No Data Filled!

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?						
1	NGI-TBI	2018	Innovation Labs	DST	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.Sud heepa</td> </tr> <tr> <td>Facility Incharge Email</td> <td>tbiman ager@ nehru colleges .com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>89211 26683</td> </tr> </table>	Facility Incharge Name	Dr.Sud heepa	Facility Incharge Email	tbiman ager@ nehru colleges .com	Facility Incharge Phone	89211 26683	4	Yes	No	No
Facility Incharge Name	Dr.Sud heepa														
Facility Incharge Email	tbiman ager@ nehru colleges .com														
Facility Incharge Phone	89211 26683														

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

No Data Filled!

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

No Data Filled!

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	G.Rajkumar	Assistant Professor	Entrepreneurship/Startup Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Provae		Within	nil
2	G.Rajkumar	Assistant Professor	Entrepreneurship/Startup Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	MEASUREY		Within	
3	G.Rajkumar	Assistant Professor	Entrepreneurship/Startup Development	2

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

		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		PROVAE	Within	
		MEASUREY	Within	
		LEWENHOLK TECHNOLOGIES	Within	
		FURITECH INNOVATIONS	Within	
		ORBCRUX	Within	
		PAIRME TECHNOLOGIES	Within	
4	Dr S Sankar	Professor	Idea/Innovation Development	3
		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Waste Incinerator	Within	
		UV Air-Purifier	Within	

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

No Data Filled!

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!

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

No Data Filled!

List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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