

## Department of Electrical and Electronics Engineering

### Faculty competencies in correlation to the Research Papers Presentation in Conference for the Academic Year 2021-22

Sl. No	Academic Year	Name of the Faculty	Title of the paper	Name of the Conference	Dates	Venue
1.	2021-22	Dr. Mohan Das R	A review on electric vehicle based on space compatible conventional scooter	International Conference on Communication Systems (ICOCS-2022)	29.04.2022 to 30.04.2022	Institute for Engineering Research and Publication, Coimbatore
2.	2021-22	Mr. Vinod Kumar S	A review on electric vehicle based on space compatible conventional scooter	International Conference on Communication Systems (ICOCS-2022)	29.04.2022 to 30.04.2022	Institute for Engineering Research and Publication, Coimbatore
3.	2021-22	Ms. Anitha A	Bi-directional DC-DC converters and energy storage systems of DVR – An analysis	International Conference on Communication and Cyber-Physical Engineering	29.04.2022 to 30.04.2022	CMR Engineering, Hyderabad
4.	2021-22	Mr. Mohan B S	A review on DC distribution for residential distribution networks – performance enhancement of hybrid AC DC distribution network	International Conference on Communication Systems (ICOCS-2022)	29.04.2022 to 30.04.2022	Institute for Engineering Research and Publication, Coimbatore
5.	2021-22	Dr. Sujitha S	A review on DC distribution for residential distribution networks – performance enhancement of hybrid AC DC distribution network	International Conference on Communication Systems (ICOCS-2022)	29.04.2022 to 30.04.2022	Institute for Engineering Research and Publication, Coimbatore
6.	2021-22	Dr. Vinoth Kumar K	Renewable energy based efficient portable DC refrigerator for rural electrification and convenience – an overview	International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022)	23.02.2022 to 25.02.2022	JCT College of Engineering and Technology, Coimbatore
7.	2021-22	Dr. Vinoth Kumar K	A review on optimization techniques of charging the battery in EV	International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022)	23.02.2022 to 25.02.2022	JCT College of Engineering and Technology, Coimbatore
8.	2021-22	Dr. Gunapriya B	Renewable energy based efficient portable DC refrigerator for rural electrification and convenience – an overview	International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022)	23.02.2022 to 25.02.2022	JCT College of Engineering and Technology, Coimbatore
9.	2021-22	Mr. Muni Prakash T	A review on optimization techniques of charging the battery in EV	International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022)	23.02.2022 to 25.02.2022	JCT College of Engineering and Technology, Coimbatore
10.	2021-22	Dr. Vinoth Kumar K	An IoT based data analytics for electric bicycle using OpenModelica simulation tool	2022 International Conference for Advancement in Technology (ICONAT 2022)	21.01.2022 to 22.01.2022	Rajarambapu Institute of technology (RIT), Sangli

11.	2021-22	Dr. Vinoth Kumar K	Artificial Intelligence based solar powered electric Bi-hybrid vehicle compared with IC Engine vehicles using graph analytics	2022 International Conference for Advancement in Technology (ICONAT 2022)	21.01.2022 to 22.01.2022	Rajarambapu Institute of technology (RIT), Sangli
12.	2021-22	Dr. Gunapriya B	An IoT based data analytics for electric bicycle using OpenModelica simulation tool	2022 International Conference for Advancement in Technology (ICONAT 2022)	21.01.2022 to 22.01.2022	Rajarambapu Institute of technology (RIT), Sangli
13.	2021-22	Ms. Kavitha Chenna Reddy	Artificial Intelligence based solar powered electric Bi-hybrid vehicle compared with IC Engine vehicles using graph analytics	2022 International Conference for Advancement in Technology (ICONAT 2022)	21.01.2022 to 22.01.2022	Rajarambapu Institute of technology (RIT), Sangli
14.	2021-22	Dr. Vinoth Kumar K	An implementation of soft computing approach of smart control for induction motor using ANFIS	4 <sup>th</sup> International Conference on Smart Systems and Inventive Technology (ICSSIT 2022)	20.01.2022 to 22.01.2022	Francis Xavier Engineering College, Tirunelveli
15.	2021-22	Dr. Vinoth Kumar K	Analysis of parameter estimation of an electric bicycle using IoT with data analytics technique	4 <sup>th</sup> International Conference on Smart Systems and Inventive Technology (ICSSIT 2022)	20.01.2022 to 22.01.2022	Francis Xavier Engineering College, Tirunelveli
16.	2021-22	Dr. Vinoth Kumar K	A review of solar powered electric Bi-hybrid vehicle compared with IC engine vehicles using graph analytics with AI	4 <sup>th</sup> International Conference on Smart Systems and Inventive Technology (ICSSIT 2022)	20.01.2022 to 22.01.2022	Francis Xavier Engineering College, Tirunelveli
17.	2021-22	Dr. Sujitha S	An implementation of soft computing approach of smart control for induction motor using ANFIS	4 <sup>th</sup> International Conference on Smart Systems and Inventive Technology (ICSSIT 2022)	20.01.2022 to 22.01.2022	Francis Xavier Engineering College, Tirunelveli
18.	2021-22	Ms. Kavitha Chenna Reddy	A review of solar powered electric Bi-hybrid vehicle compared with IC engine vehicles using graph analytics with AI	4 <sup>th</sup> International Conference on Smart Systems and Inventive Technology (ICSSIT 2022)	20.01.2022 to 22.01.2022	Francis Xavier Engineering College, Tirunelveli
19.	2021-22	Dr. Vinoth Kumar K	A review on Triboelectric Nanogenerators (TENGs) using Internet of Things	International Conference on Forensics, Analytics, Big data & Security (FABS 2021)	21.12.2021 to 22.12.2021	BMS Institute of Technology and Management, Bengaluru
20.	2021-22	Dr. Sujitha S	Intelligent real time solar photovoltaic (PV) monitoring and controlling system	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
21.	2021-22	Dr. Sujitha S	A novel approach of proposed integrated standalone highway pollution monitoring solar vertic axis wind turbine	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
22.	2021-22	Dr. Sujitha S	Integrated AI and IoT application in real time location system (RTLs) for energy efficient home automation	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur

23.	2021-22	Dr. Sujitha S	Introduction of electronic warfare (EW) suite modification on jaguar fighter aircraft	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
24.	2021-22	Dr. Sujitha S	Hybrid integrated smart grid for EV-PV wireless charging station	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
25.	2021-22	Dr. Sujitha S	Exploration of speed-torque variation of asynchronous motor used in electric vehicle	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
26.	2021-22	Mr. Sunil S K	Hybrid integrated smart grid for EV-PV wireless charging station	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
27.	2021-22	Mr. Lithesh J	Exploration of speed-torque variation of asynchronous motor used in electric vehicle	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
28.	2021-22	Ms. Karthika M	Solar based energy efficient hybrid SLBLDC motor for agriculture	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
29.	2021-22	Dr. Mohan Das R	Solar based energy efficient hybrid SLBLDC motor for agriculture	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
30.	2021-22	Ms. Roopa C	A novel approach of proposed integrated standalone highway pollution monitoring solar vertic axis wind turbine	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
31.	2021-22	Ms. Deepa V Bolanavar	Introduction of electronic warfare (EW) suite modification on jaguar fighter aircraft	2 <sup>nd</sup> International Conference on Advances in Computational Science and Engineering (ICACSE 2021)	20.12.2021 to 22.12.2021	Live4Research, Tirupur
32.	2021-22	Dr. Singaravelan A	An implementation of collaborative robot arm to assist healthcare workers	IEEE International E-Conference on Emerging Technologies and Applications for a Smart and Sustainable World (ICEmTASS 2021)	16.12.2021 to 18.12.2021	National Engineering College, Kovilpatti
33.	2021-22	Dr. Gunapriya B	Advanced drive assistant system for accident avoidance at speed limit zone using GPS technology	2 <sup>nd</sup> International Conference on Emerging trends in Materials, Computing and Communication Technologies (ICETMCCT 2021)	09.12.2021 to 10.12.2021	Annai Velankanni College of Engineering, Pottalkulam
34.	2021-22	Dr. Vinoth Kumar K	Experimental Setup of Smart E-vehicle charging station using IoT Technology	IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC 2021)	03.12.2021 to 04.12.2021	Sri Siddhartha Institute of Technology, Tumkur
35.	2021-22	Dr. Sujitha S	Experimental Setup of Smart E-vehicle charging station using IoT Technology	IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC 2021)	03.12.2021 to 04.12.2021	Sri Siddhartha Institute of Technology, Tumkur
36.	2021-22	Dr. Sujitha S	Investigation of Smart E-vehicle using sustainable technologies	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar

37.	2021-22	Dr. Vinoth Kumar K	Investigation of GUI – Multilevel connected to web enabled micro-grid for multiple energy sources	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar
38.	2021-22	Dr. Vinoth Kumar K	Investigation of Smart E-vehicle using sustainable technologies	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar
39.	2021-22	Dr. Vinoth Kumar K	An implementation of weather observation and forecasting using radiosonde using sustainable technologies	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar
40.	2021-22	Dr. Gunapriya B	A review of hybrid renewable energy systems-based DC micro grids and mini-grids for off-grid electrification in rural and smart city development	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar
41.	2021-22	Dr. Joshua Daniel Raj J	Securing Disaster management communications using polymorphic attribute-based encryption	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar
42.	2021-22	Dr. Singaravelan A	Design and implementation of IoT based smart home electric socket board for energy efficiency	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar
43.	2021-22	Ms. Anitha A	Balanced step up multilevel inverter based on switched capacitor structure for high frequency AC power distribution	Northeast Green Summit 2021	16.11.2021 to 18.11.2021	National Institute of Technology Silchar
44.	2021-22	Dr. Vinoth Kumar K	Implementation of smart electric vehicle charging station driven using experimental investigation	2nd Global Conference for Advancement in Technology (GCAT 2021)	01.10.2021 to 03.10.2021	Nagarjuna College of Engineering and Technology, Bengaluru
45.	2021-22	Dr. Vinoth Kumar K	Participation	7th Annual Conference of the ACSE, ACSE 2021	21.08.2021	Asian Council of Science Editors held at Dubai