

Project and Event Proposals Submitted – 2024

S.No	Name of the Funding Agency	Title of Research Projects	Name of the Principal Investigator/Coordinator/Supervisor
1	SERB	A National Level Technical Symposium – UNIQUE 2K24	Dr.R.Gopi/CSE
2	TNSCST	IoT based Coal Mine Worker Monitoring System	Dr.R.Gopi/CSE
3	TNSCST	Early Detection System for Gas Leakage and Fire in Smart Home using IoT	Dr.R.Gopi/CSE
4	TNSCST	Arduino based smart irrigation using advanced robot	Mr.V.Gokulakrishnan/CSE
5	TNSCST	Smart anti-theft door mat	Mrs.T.Geetha/CSE
6	TNSCST	Empowering women with raspberry pi powered smart ring using iot technology	Mrs.S.Francis Shamili/CSE
7	TNSCST	Automatic amount calculation system - smart energy meter using IoT	Mrs.S.Francis Shamili/CSE
8	AICTE – ATAL	Faculty Development Program	Dr.K.Anbarasan /EEE
9	AICTE – ATAL	FDP on Quantum Computing	Dr.R.Gopi/CSE
10	TNSCST	Design and fabrication of 3d printing filament recycling machine	Dr.S.Anbu/MECH
11	TNSCST	Agriculture weeder with ditching process	Mr.K.Parameshwaran/MECH
12	TNSCST	Analysis of low earth orbit humidity, temperature and harmful gases by the help of students made cube sat	Mr.S.Sugumar/MECH
13	TNSCST	Automated grass cutter vaccum pump with controlled WIFI	Mr.S.Karpagarajan/MECH
14	TNSCST	Regenerative braking system	Mr.R.Anandhan/MECH
15	TNSCST	Enhancing mechanical properties of kenaf fiber through hybrid laminate	Mr.R.Rajesh/MECH
16	TNSCST	The role of AI and IoT in enhancing agriculture and empowering farmers.	Dr.P.Rajeswari/ECE
17	TNSCST	National conference on Artificial Intelligence in Electronics	Dr.P.Rajeswari/ECE

18	TNSCST	Empowering rural school students with AI and IoT for advancing technologies	Dr. A.Yogeshwaran/ECE
19	TNSCST	Hemato-Toxicity Detection (Detection Of Sepsis) Using Biosensors	Mrs.Vinothini. G/BME
20	TNSCST	Diagnosing Ageusia Using An Fteas	Mr.Narayanan. C/BME
21	TNSCST	Early detection of basal bulb rot disease in shallots using internet of things and machine learning algorithms	Dr.V.Thiruppathy Kesavan/IT
22	TNSCST	IoT-based intelligent student behavior analysis using machine learning algorithms	Dr.V.Thiruppathy Kesavan/IT
23	TNSCST	Smart Obiment: personal Health care management using IOT and machine learning For early detection and intervention	Dr.V.Thiruppathy Kesavan/IT
24	TNSCST	Low-cost IoT -based system for drug usage identification through activity monitoring and facial symptom analysis	Mrs.T.G.Ramya Priyatharsini/IT
25	TNSCST	IoT -Based Alcohol Detection System Using Facial Recognition at Entry Points	Ms.K.Lalithavani/IT
26	TNSCST	IoT Based fire Accident minimization in EV Vehicle with Multiple fault detection using AI	Dr.M.Parameswari/ Prof./EEE
27	TNSCST	Optimized Energy Harvesting for Enhanced Smart Home IoT performance	Dr.M.Parameswari/ Prof./EEE
28	TNSCST	Design and implementation of island mode operation of converters	Mr.C.Kavikumar /AP/EEE
29	TNSCST	Development and Implementation of MPPT based Boost converters for the thermoelectric energy harvesting application	Ms.A.Thamijunisha/AP/EEE
30	TNSCST	Power Quality Improvement with Renewable Energy based System using UPQC-FLC Techniques	Mrs.T.Thenmozhi/AP/EEE
31	TNSCST	Hybrid control of Power System using Harris Hawk Optimizer	Mrs.P.Suriya/AP/EEE
32	TNSCST	Smart IoT monitoring of RF Energy Harvesting Techniques for Wireless Power Transfer System	Mr.M.Asaithambi/AP/EEE
33	TNSCST	Deep learning based Object detection for Street light Control with Energy management and fault detection using IoT	Mrs.M.Bhuvaneshwari/AP/EEE
34	TNSCST	Energy management System for Hybrid renewable energy – based on Electric Vehicle	Mr.R.Sathish/AP/EEE

35	TNSCST	IoT Enabled Water Monitoring in Smart cities with Power grid and inverter based harvesting	Mrs.T.Durga/AP/EEE
36	TNSCST	Integrated Wireless Charging receiver for Electric Vehicles using Half Bridge Inverter	Mrs.S.Ayswarya/AP/EEE
37	TNSCST	Solar based full bridge resonant converter for EV	Mr.M.Kathamuthu/AP/EEE
38	TNSCST	An Integrated optimization techniques for High Power DWPT system in Electric Vehicles	Mrs.N.Saranya/AP/EEE
39	TNSCST	IoT based Smart Circuit breaker using GSM	Mrs.S.Ayswarya/AP/EEE
40	TNSCST	Single Stage AC/DC resonant converter based EV charging	Mr.M.Kathamuthu/AP/EEE
41	TNSCST	Advanced Electric Vehicle Wireless Charging with Mutually Spliced Double –D Coil	Mrs.M.Bhuvaneshwari /AP/EEE
42	TNSCST	Advanced Hybrid Charging Station for Electric vehicles using Z-Source Quadratic Improved Boost Zeta Converter and MPPT Optimization with Energy Storage	Mr.R.Sathish/AP/EEE
43	TNSCST	Current Advances in Battery Reliability for EV	Mrs.T.Thenmozhi/AP/EEE
44	TNSCST	Enhanced Solar PV performance with Dual Control MPPT in DC-DC converter applications	Mrs.P.Suriya/AP/EEE
45	TNSCST	Design of Harmonic Filters for Supraharmonics suppression in Power Electronics dominated Power Systems	Mrs.N.Saranya/AP/EEE