



GRANT RECEIVED / APPLIED

RESEARCH INITIATIVES TAKEN BY THE DEPARTMENT FACULTY MEMBERS:

Funding Proposals Applied and Sanctioned

ACADEMIC YEAR 2025-2026

S.No.	Name of the Funding Agencies	Title	Fund Proposed	Faculty Coordinators	Status
1.	Indian Council of Social Science Research (ICSSR)	Fusion Power: Prospects for the Next Generation Energy Source and the Role of Energy Transition in Achieving Sustainable Development Goals (SDGs)	3,00,000	Dr.T.Surya,AP/ECE	Applied
2.	TNSCST - DIT	Three-day awareness program on Empowering Women in Precision Farming of Vegetables and Floriculture through Drone Operation and Electric Mobility for Smart Agri-Logistics”	50,000	Dr.K.Sivasankari,Prof/ECE Mr.K.Sabareeshwaran,AP/EEE Mr.Balamurugan,AP/CSE	Applied
3.	Anusandhan National Research Foundation (ANRF)	Advanced EMI Shielding Solutions for Him Shakti IEWS (Integrated Electronic Warfare System) AI-	30,00,000	Dr.A.Karthik ,ASP/MCT Dr.K.Sivasankari, Prof/ECE Dr.T.Surya,AP/ECE Mr.K.Sabareeshwaran,AP/EEE	Applied

		Accelerated Materials & System-Level Design.			
4.	Indian Council of Social Science Research (ICSSR)	AI Assisted Early Warning Models for Suicide Risk: Assessing Feasibility and Ethical Challenges in Indian Public Health Systems	11,20,000	Dr.K.Sumathi, Prof/ECE	Applied
5.	Anusandhan National Research Foundation (ANRF)	Challenges and opportunities in post silicon validation in the era of emerging technologies	80,000	Dr.K.Sivasankari,Prof/ECE	Applied
6.	Indian Council of Social Science Research (ICSSR)	AI-Driven Smartphone Retinal Imaging and Screening System for Early Detection of Ocular Diseases	28,04,000	Dr.K.Sivasankari, Prof /ECE Dr.T.Surya,AP/ECE	Applied
7.	IEI	Next Generation VLSI: Enabling AI at the edge through custom chip design	-	Dr.K.Sivasankari,Prof/ECE	Applied
8.	TNSCST – S&T	AI-Enabled Adaptive Sit-to-Stand Assistive Exoskeleton with Digital Twin-Based Safety Optimization for Parkinson’s Mobility Support	4,00,000	Dr.K.Sivasankari,Prof/ECE Mr.K.Sabareeshwaran,AP/EEE	Applied
9.	TNSCST – S&T	AI-Enabled Assistive System for Early-Stage Parkinson’s Symptom Monitoring with Quantum-Resistant Secure Data Transmission	5,00,000	Dr.K.Sivasankari, Prof/ECE Mr.K.Sabareeshwaran,AP/EEE	Applied
10.	TNSCST – S&T	Development of a Quantum-resistant IoT Security Controller for Smart Industrial Automation	3,00,000	Dr.T.Surya, AP/ECE Mrs.K.Nimisha,AP/ECE	Applied

11.	TNSCST – S&T	AI-Driven 6-G Enabled Smart Disaster Early Warning and Resilient IoT Connectivity System for Flood-Prone Regions.	4,80,000	Dr.K.Sumathi, Prof/ECE Mrs.R.Suriya,AP/ECE	Applied
12.	Innovation for Defence Excellence	Diesel Engine Generator Exhaust System for Submarine	2,00,000	Dr.T.Surya, AP/ECE	Applied
13.	DST	AI-Enabled Community Water Intelligence and Climate-Adaptive Precision Farming for Marginal SC Farmers	Rs.51,47,000	Dr.T.Surya, AP/ECE Dr.K.Sivasankari, Prof/ECE Mr.K.Sabareeshwaran,AP/EEE	Applied
	IEI	Quantum Computing for Medical Imaging	-	Dr.K.Sivasankari, Prof/ECE	Applied
	TNSCST	Energy-Efficient Data Transmission in IoT Networks using Adaptive Edge Computing and Federated Learning	₹275000	Dr.Sundar Rajan M, ASP & HOD / EEE Dr.M.Jenifer,ASP & HOD / AI&DS	Applied
	SASTRA- TCS	Bio- Nano composites from Areca fiber Reinforced with Nano clay for Packing Application	₹50L	Dr.A. Karthik, ASP/MCT	Applied
	TNSCST	Entrepreneurship development training on mushroom cultivation, Value Addition, Branding, and Market linkages to Empower rural communities of Coimbatore District.	₹ 50,000	Dr. K.Poonkodi, Professor/Chemistry	Applied
	TNSCST	Hyper ledger Platform using Block chain for the need of the Day (2 Days National level Workshop)	50,000/-	Mrs. M. Nisha, AP(Sl.G)/CSE Dr. T. Guhan, ASP & HoD/CSE Mrs. M. S. Kavitha	Applied

	Sastra University	Block chain-Enabled Cyber Crime Reporting and Tracking Portal for Women and Children (Proposal for establishing incubation facility)	50,00,000/-	Mrs. K. Gomathi, AP/CSE	Applied
	TNSCST	Empowering Divan Communities through Advanced NLP from BERT to GPT and Next-Gen Language Models (2 Days State level Workshop)	75,000/-	Mrs. M. Nisha, AP(Sl.G)/CSE Mrs. J. Sapthika, AP/CSE	Applied
	TNSCST	One Day National Conference on Digital Technologies & Smart Systems 2K26- NCDIGITECHS 2K26	75,000/-	Mrs. S. Jeevitha AP/CSE Mrs. M. Nisha, AP(Sl.G)/CSE	Applied
	Compendium of Problem Definition Statements for the Indian Army	AI Search Engine for Employment Opportunities of Ex-Servicemen	16,17,000/-	Dr. T. Guhan, ASP & HoD/CSE	Applied
	AI – Impact Summit - AI by HER: Global Impact Challenge!	Hand Gesture Recognition System – Sign Language	-	Mrs. M. Nisha AP(Sl.G)/CSE Dr. T. Guhan, ASP & HoD/CSE Kavitha AP/CSE	Applied
	Compendium of Problem Definition Statements for the Indian Army	AI Search Engine for Employment Opportunities of Ex-Servicemen	₹16,17,000/-	Dr. T. Guhan, ASP & HoD/CSE	Applied
	Research Projects (RP) Division Indian Council of Social Science Research (ICSSR)	Gendered Food Practices and their Implication for Material and Child Nutrition: A Micro - Level Study	₹8,00,000/-	Dr. P. Udayakumar, Prof/CSE Dr. T. Guhan, ASP & HoD/CSE	Applied

	TNSCST	Chronic Illness Detection using Deep Neural Network	₹3,77,000/-	Mrs. M. Nisha,,AP(Sl.G)/CSE Dr. T. Guhan,ASP & HoD/CSE	Applied
	Indian Council of Social Science Research - ICSSR	Developing an Ethical and Culturally Aligned Governance Framework for AI and Emerging Technologies in India	₹1220000	Dr.M.Jenifer,ASP & HOD /AI&DS	Applied
	Indian Council of Social Science Research - ICSSR	AI-based tutoring, coding education, and adaptive learning show potential not just for traditional schooling but also for higher-education, skill-training, and employability, areas increasingly important in India	₹30,00,000	Dr T Ravichandran, Professor/AI&DS	Applied
	Indian Council of Social Science Research - ICSSR	Developing an Ethical and Culturally Aligned Governance Framework for AI and Emerging Technologies in India	₹12,50,000	Dr. V. Nivedhitha,ASP /AI&DS	Applied
	TNSCST	AI for Social Good: Building Low-Cost Intelligent Solutions	₹25000	Dr.M.Jenifer,ASP & HOD / AI&DS Dr. V. Nivedhitha,ASP/AI&DS Mrs.K.Lavanya,AP/AI&DS	Applied
	TNSCST	Law-Mate: AI Assistant for FIR and Legal Awareness.	₹ 4,50,000	Mrs. Priyanka S & AP/AI&DS Mr.Poorna Prakash S, AP/AI&DS	Applied
	TNSCST	Energy-Efficient Data Transmission in IoT Networks using Adaptive Edge Computing and Federated Learning	₹275000	Dr.Sundar Rajan M,ASP & HOD / EEE Dr.M.Jenifer,ASP & HOD / AI&DS	Applied

	TNSCST	AI Based Early Identification of Students at Risk of Academic Dropout in Government Colleges of Tamil Nadu	₹480000	Dr. V. Nivedhitha,ASP/AI&DS Mrs.K.Lavanya,AP/AI&DS	Applied
	TNSCST	ENGINE AI: A LLM-Based Natural Language Terminal for Intelligent System Automation	₹300000	Dr.M.Jenifer,ASP & HOD / AI&DS Dr. V. Nivedhitha,ASP/AI&DS	Applied
	TNSCST	SAFETIFY – AI Powered Smart Personal Safety and Emergency Response System	₹3,00,000	Dr.M.Jenifer,ASP & HOD / AI&DS Dr.Sundar Rajan M,ASP & HOD / EEE	Applied
	ICSSR	Integrating Artificial Intelligence spatiotemporal Assessment of Climate Change and its Impact on Vegetation	14,00,000	Dr Malini M, ASP& HOD / CSBS	Applied
	DST	SmartSat-Farm360 – A Policy Framework for Integrating Satellite, IoT, AR/VR, and Quantum Technologies into Sustainable and Inclusive Precision Agri-Tech Adoption in India.	41,05,000	Dr Malini M, ASP& HOD / CSBS	Applied
	TNSCST	A One Day National Seminar on “ICT Applications for Rural Empowerment and Development for Education Sector”	10,000	Dr Malini M, ASP& HOD / CSBS	Applied