



GRANT RECEIVED / APPLIED

RESEARCH INITIATIVES TAKEN BY THE DEPARTMENT FACULTY MEMBERS:

Funding Proposals Applied and Sanctioned

ACADEMIC YEAR 2024-2025

S.No	Name of the Funding Agencies	Type of the Event	Fund Proposed	Faculty Coordinator	Status
1.	TANSCST	EEG-Based Home Automation System Using Deep Neural Squeeze Adversarial Network	Rs.3.83 lakhs	Dr. K. Sivasankari, Professor/ECE	Applied
2.	TNSCST	Certain Investigations on Thermal Image Processing based Animal Recognition System to Resolve Wildlife Conflict	Rs.4.25 Lakhs	Dr. T. Surya, AP/ECE	Applied
3.	ICSSR	Real time speed synthesis with Generative Artificial Intelligence models	Rs.30 Lakhs	Dr. T. Ravichandran, Professor/AI&DS Dr. V. Nivedhitha, ASP/ AI&DS	Applied
4.	TANSCST	AI-Based Predictive Algorithms for bionic Hand action Recognition	Rs.5 lakhs	Dr. T. Ravichandran, Professor/AI&DS	Applied
5.	TANSCST	AI-Powered Analytics for Enhancing Precision Agriculture and Crop Yield Forecasting	Rs.4 lakhs	Dr. V. Nivedhitha, ASP/ AI&DS	Applied

6.	ICSSR	Empowering Communities for Safe Drinking Water Access in Kinathukadavu, Tamil Nadu: Sustainable Solutions and Key Challenges	Rs.27 Lakhs	Dr.P. Ravi Kumar, Professor/MCT Dr.R.Vignesh, ASP/Civil	Applied
7.	ICSSR	Integrating Artificial Intelligence for Spatiotemporal Assessment of Climate Change and its Impact on Vegetation	14 Lakhs	Dr. M. Malini, ASP/CS&BS	Applied
8.	ANRF (SERB)	Empowering Communities: A Holistic Framework for Children's Safety and Well-Being	Rs.14.4 lakhs	Dr. R. Mekala, Professor/AI&DS	Applied
9.	TANSCST	A hybrid Artificial Neural Network and Extreme Learning Machine driven Intrusion Detection System	Rs.3.50 Lakhs	Dr. R. Mekala, Professor/AI&DS	Applied
10	ICSSR	Lightweight Protocols for Enhancing Security in IoT Networks	Rs.9 Lakhs	Dr. D. Deepa, ASP/Mech	Applied
11	DST	Experimental Investigation of Mechanical Properties of Carbon Fiber Reinforced Polymer Nano Composite for Commercial and Automotive Applications	18.70 lakhs	Dr.A.Karthik, ASP/MCT Dr.P. Ravi Kumar, Professor/MCT	Applied
12	TANSCST	Advances of Composite Materials in Automobile Applications	Rs.5 lakh	Dr.A.Karthik, ASP/MCT Dr.P. Ravi Kumar, Professor/MCT	Applied