Sri Krishna College of Technology

An Autonomous Institution
Kovaipudur,Coimbatore–
641042

Department of Electronics and Communication Engineering

[Accredited by NBA]
Funding Received

Academic Year 2023-24

Sl. No	Faculty name	Topic	Major above 10 L / Minor below 10 L / Seminar / FDP	Funding Scheme	Funding Agency	Proposal Amount (Rs.)	Applied Date	Received Date
1	Mr.G.Santhakumar, Dr.K.Muthulakshmi, Dr.R.R.Thirunavukkarasu	Antenna Design Techniques for Wireless Power Transfer: Current Trends and Future Prospects	Workshop	SERB	SERB	75,000	31.12.2023	12.02.2024
2	Dr N Manikanda Prabu Dr K Shanthi	AI in Precision Agriculture: Transforming Farming for a Sustainable Future	Seminar	SERB	SERB	50,000	26.12.2023	12.02.2024
3	Dr.N.Vijayalakshmi, Dr.P.Rajasekar	Applications of Quantum Computing in Digital Design and Implementation	FDP	FDP	ATAL	3,50,000	14.08.2023	15.09.2023
4	Dr.K.Shanthi, Mr.K.Saravanakumar	5 Days Seminar On "Current Trends in Wearable Technologies in Textile Industry	Seminar / Workshop	SERB	SERB	70,000	27.09.2023	14.11.2023
5	Dr.Karthigai Pandian, Dr.K.Shanthi, Dr.N.Manikandaprabu	5 Days Seminar On "Recent Trends In Smart Agriculture	Seminar / Workshop	SERB	SERB	70,000	27.09.2023	14.11.2023

		Using Machine Learning Techniques						
6	Dr.K.Muthulakshmi, Ms.N.Kirthika, Ms.B.Vidhya	Deep Learning in the Medical Field: Opportunities and Challenges for Advancement	Seminar	Seminar	IEI	30,000	25.04.2023	02-11-2023

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Funding Proposal Submitted

Academic Year 2023-24

Sl. No	Faculty name	Topic	Major above 10 L / Minor below 10 L / Seminar / FDP	Funding Scheme	Funding Agency	Proposal Amount (Rs.)	Applied Date	Reference No.
1.	Dr M G Sumithra	Establishment of a Deep Tech-based Startup Ecosystem with special focus on Woman Innovators	Major	: iTBI (NIDHI Inclusive Technology Business Incubator)	DST	4,97,82,643	30-06-2023	TPN/94262
2.	Dr.P.Jayarajan	Sustainable Building Practices With Smart Interlocking Block Masonry And Sensor-Driven Carbon Capture	Major	TDP	DST	77,00,000	30-06-2023	TPN / 94425
3.	Ms.N.Kirthika, Dr.K.Muthulakshmi, Dr.C.Senthilkumar	Recent Trends and Challenges of High-Resolution Earth Observation Systems (EOS) in Precision Agriculture	Seminar / Workshop	Seminar / Conference	ISRO	80,000	04-07-2023	
4.	Dr.K.Shanthi, Dr.V.Indu Nair, Dr.S.Prema	Challenges and Research Issues in Emerging Hybrid Energy Technologies	Minor	Seminar / Conference	CSIR	50,000	06.07.2023	

5.	Dr.S. Prema Dr.V. Indu Nair Dr.K. Shanthi Dr.J. Shanthini Dr.K.P. Rajesh	Impact on the Effectiveness and Socio-economic Empowerment of Women by the Pradhan Mantri Awas Yojana(PMAY)	Major	Empirical Special call 2023-24-Collaborative study	Indian Council of Social Science Research	28,00,000	08.07.2023	ICSSR-CRP-2023-645
6.	Dr.M.Thillai Rani Ms.M.Priyatharishini Mr.M.Navin Kumar	Integration of Sensor Technology and Artificial Intelligence for Enhancing Indigenous Knowledge Systems in Sustainable Agriculture in India	Major	IKS COMPETITIVE RESEARCH PROPOSAL PROGRAM	THE INDIAN KNOWLEDGE SYSTEMS DIVISION OF MoE	16,61,600	31.07.2023	
7.	Dr.G.Shanthi & Dr.M.Karthigai Pandian	Technological challenges and future research opportunities in AI, ML & DL for clinical healthcare industries	Seminar / Workshop	Workshop	ICMR	4,00,000	03.08.2023	
8.	Dr.V. Indu Nair Dr.S. Prema Dr.K. Shanthi	RF Energy Harvesting for IOT devices	FDP	FDP	ATAL	3,50,000	13.08.2023	
9.	Dr.K.Muthulakshmi, Dr.C.Senthilkumar, Ms.N.Kirthika	Universal Human Values	FDP	FDP	ATAL	3,00,000	14.08.2023	
10.	Dr.N.Vijayalakshmi Dr.P.Rajasekar	Applications of Quantum Computing in Digital Design and Implementation	FDP	FDP	ATAL	3,50,000	14.08.2023	
11.	Dr.R.R.Thirunavukkarasu & Dr.M.Karthigai Pandian	Guardians of the Wild: A Drone-Powered AI Solution for Forest fire Detection and Suppression	Minor	TNSCST	TNSCST	5,00,000	16.08.2023	
12.	Dr.P.Rajasekar Dr. N. Vijayalakshmi	Integrated Smart Pillbox and Medicare Monitoring System for Home-alone elderly people	Major	DST	TIDE	17,45,000	30.09.2023	TPN/99574

13.	Dr.K.Shanthi & Mr.K.Saravanakumar	5 Days Seminar On "Current Trends in Wearable Technologies in Textile Industry	Seminar/Workshop	SERB	SERB	80,000	27.09.2023	SSY/2023/00115
14.	Dr.Karthigai Pandian, Dr.K.Shanthi,Dr.N. Manikandaprabu	5 Days Seminar On "Recent Trends In Smart Agriculture Using Machine Learning Techniques	Seminar/Workshop	SERB	SERB	80,000	27.09.2023	
15.	Dr.P Rajasekar Dr.N.Vijayalakshmi Ms.Yamini Shanmugam	Study on the Practical Implementation of Quantum Cryptography for Real Time Applications	Minor	A2K+	DSIR	792350	19-10-2023	STUDIES/2023/00033
16.	Dr.M.Thillai Rani Dr.C.Ramkumar	Secure and Privacy-Preserving Predictive Disease Risk Modelling in Indian Healthcare IoT: A Federated Learning Approach	Major	Research Proposal for Major Projects	ICSSR	2376529	18-10-2023	ICSSR-RMM-2023-6433
17.	Dr.K.Muthulakshmi Mr.G.Santhakumar	Artificial Intelligence Based Solar-Powered Seed Storage & Monitoring Devices For Farm Management In Agriculture Towards Sustainable Development	Major	A2K+	DSIR	1722000	15-10.2023	STUDIES/2023/00021
18.	Dr.K.Muthulakshmi	Smart helmet For coal mining using lora technology	Minor	SPS-Tamil Nadu State Council for Science And Technology	TNSCST	Rs 14,480	12.10.2023	
19.	Dr.K.Muthulakshmi	Generation of Electricity using non bio degradable waste	Minor	SPS Tamil Nadu State Council for Science And Technology	TNSCST	Rs 12,000	13.10.2023	

20.	Dr. Ram Kumar C	IoT based self manoeuvring medication delivery drone for hilltop villages in Tamilnadu	Minor	Research Proposal for Major and Minor Projects	ICSSR	9,00,000	18-10-2023	ICSSR-RMM-2023-3707
21.	Mr.G.Santhakumar, Dr.K.Muthulakshmi, Dr.R.R.Thirunavukk arasu	International Workshop on "Antenna Design Techniques for Wireless Power Transfer: Current Trends and Future Prospects	Seminar / Workshop	SERB	SERB	75,000	14-12-2023	2.82023E+11
22.	Dr.G.Shanthi & Dr.M.Karthigai Pandian	Technological challenges and future research opportunities in AI, ML & DL for clinical healthcare industries	Workshop	Translational research	ICMR	Rs.4,00,000/-	03-08-2023	
23.	Dr.G.Shanthi & Mr.G.Santhakumar	Expressions of Interest for participation in Indian Child Growth Reference Development Research Initiative	EoI Major PP	ICMR	ICMR		23-12-2023	
24.	Dr.G.Shanthi	Air pollution monitoring system using IoT with AI for sustainable healthcare applications	Minor	SPS 23-24	TNSCST	Rs.10,142/-	13-10-2023	