


KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM






(An Autonomous Institution)

ACHIEVERS AWARD 2024-2025




DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING






Details of Achievements by Faculty

S.No	Dept.	Name of the Event / Achievement	Level	Distinction / Award	Title	Achiever Name and Designation	Photo
1.	ECE	21st EURECA International Engineering Research Conference organized by Taylor's University Malaysia.	International	Award	Best research paper award	Dr.N.Santhiyakumari Professor / ECE Director – R & D	
		AICTE – ATAL FDP	National	Rs. 6,00,000/-	Harnessing Digital Healthcare Technologies: Bio-Markers, IoT, Data Analytics and AI in Precision Medicine		
		SERB	National	Rs. 22,200/-	2 days Seminar on NextGen SoC Architecture: Pioneering AI Integration in Signal Processing		
		Patent Published	National	Design patent granted	A Leg Physiotherapy Apparatus and a Method for Operating the Same		
		Patent Published	National	Utility Patent granted	Tooth Mountable Hearing Aid		
		Design Patent Granted	National	Utility Patent granted	Cloud based Healthcare Monitoring System using IOT		
2.	ECE	21st EURECA International Engineering Research Conference organized	International	Award	Best research paper award	Dr.V.Saravanan ASP HoD / ECE	

		by Taylor's University Malaysia.					
		AICTE – ATAL FDP	National	Rs. 6,00,000/-	Harnessing Digital Healthcare Technologies: Bio-Markers, IoT, Data Analytics and AI in Precision Medicine		
		Patent Published	National	Design patent granted	A Leg Physiotherapy Apparatus and a Method for Operating the Same		
		Patent Published	National	Utility Patent granted	Tooth Mountable Hearing Aid		
		Design Patent Granted	National	Utility Patent granted	Cloud based Healthcare Monitoring System using IOT		
3.	ECE	CSI Mumbai chapter at Dr. D Y.Patail University, Navi Mumbai.	National	Award	Best Faculty Award 2024	Mrs.M.Vasanthi AP/ ECE	
4.	ECE	CSI Mumbai chapter at Dr. D Y.Patail University, Navi Mumbai.	National	Award	Best Faculty Award 2024	Mrs.S.Sasidevi AP/ECE	
5.	ECE	Tamilnadu State Council for Science and Technology	State	Rs.7,500/-	Login to windows computer using RFID Tag and Arduino	Mr.T.Praveenkumar AP/ECE	
		Patent Published	National	Design patent granted	Machine Learning Assisted Healthcare Navigation Device		
6.	ECE	International Journal of Plasmonics	International	SCI	Advanced plasmonic resonance-enhanced biosensor for comprehensive real-time detection and analysis of deep fake content	Mrs.S.Elarmathi	

7.	ECE	CSI Mumbai chapter today at Dr. D Y.Patail University, Navi Mumbai.	National	Award	Best Faculty Award 2024	Dr.S. Kumarganesh	
		International Journal of Plasmonics	International	SCI	Hybrid Plasmonic Biosensors with Deep Learning for Colorectal Cancer Detection		
		International Journal of Plasmonics	International	SCI	Advanced plasmonic resonance-enhanced biosensor for comprehensive real-time detection and analysis of deep fake content		
		Journal of Computational Biology	International	SCI	Detection and Segmentation of Glioma Tumors Utilizing a UNet Convolutional Neural Network Approach with Non-Subsampled Shearlet Transform		
		Microsystem Technologies	International	SCI	Novel manufacturing systems for cancer diagnosis using ultra-sensitive photonic crystal fiber biosensor with dual-functionalized aptamer-nanocavity		
		Journal of The Institution of Engineers (India): Series B	International	Scopus	A Strong Password Manager Using Multiple Encryption Techniques		
		Technology and Health Care	International	SCI	An automated cervical cancer diagnosis using genetic algorithm and CANFIS approaches		
		International Journal of Plasmonics	International	SCI	Design of Surface Plasmon Resonance (SPR) Sensors for Highly Sensitive Biomolecular		

					Detection in Cancer Diagnostics		
		International Journal of Networked and Distributed Computing	International	SCI	Modified Play fair for Text File Encryption and Meticulous Decryption with Arbitrary Fillers by Septenary Quadrate Pattern		
		Patent Published	National	Design patent granted	Machine Learning Assisted Healthcare Navigation Device		
		Design Patent Granted	National	Design patent granted	Cloud based Healthcare Monitoring System using IOT		
		Applied Mathematics & Information Sciences An International Journal	International	Scopus	Analysis of Computational Methods for Diagnosis of Cervical Cancer–A Review		
8.	ECE	Patent Published	National	Design patent granted	A Leg Physiotherapy Apparatus and a Method for Operating the Same	M. Thangavel	
		Patent Published	National	Utility Patent Published	Machine Learning Assisted Healthcare Navigation Device		
		Patent Published	National	Utility Patent Published	Tooth Mountable Hearing Aid		
9.	ECE	Patent Published	National	Design patent granted	A Leg Physiotherapy Apparatus and a Method for Operating the Same	P. Shanmuga Sundaram	
		Patent Published	National	Utility Patent Published	Tooth Mountable Hearing Aid		
10.	ECE	Patent Published	National	Design patent granted	A Leg Physiotherapy Apparatus and a Method for Operating the Same	R. Shanmuga Sundaram	
		Patent Published	National	Utility Patent granted	Tooth Mountable Hearing Aid		

11.	ECE	Design Patent Granted	National	Design patent granted	Cloud based Healthcare Monitoring System using IOT	S. Veerakumar	
12.	ECE	Design Patent Granted	National	Design patent granted	Cloud based Healthcare Monitoring System using IOT	K. Rajesh	
13.	ECE	Design Patent Granted	National	Design patent granted	Cloud based Healthcare Monitoring System using IOT	T. Devika.	
14.	ECE	Patent Published	National	Utility Patent granted	Machine Learning Assisted Healthcare Navigation Device	V. Vimalraj	
15.	ECE	Patent Published	National	Utility Patent granted	Machine Learning Assisted Healthcare Navigation Device	A. Silambarasan	
16.	ECE	NPTEL Course	National Level	Elite with Gold Certified Elite + Silver	Introduction to IOT Introduction to Industry 4.0 and Industrial Internet of Things	Mr.M.Duraisamy AP/ECE	