

Name	Dr.Prawin Angel Michael			Designation Associate Professor			
Date of Joining	1.04.2004						
Research Areas	<ul style="list-style-type: none"> • Avionics communication interfaces • LiDAR technologies • Renewable Energy • Nanomaterials 			Email : prawin@karunya.edu Contact :9843685111			
Education	UG	EEE	Bharathiyar University	2002			
	PG	Power Electronics and Drives	Anna university	2004			
	PhD	Electrical Engineering	Anna university	2012			
	Post Doc	IITTNiF	IITTNiF-LiDAR Technology	2025			
Total Experience (Years)	Teaching		Industry	Research			
	21		Nil	Nil			
Area of Specialization	<ul style="list-style-type: none"> • Electronics and Drives • Communication Protocols • LiDAR technologies 						
Research Interests	Avionics communication interfaces and LiDAR technologies						
Subjects Teaching (3 best subjects)	<p>Under Graduate</p> <ul style="list-style-type: none"> • Aircraft Instrumentation and Avionics • Aircraft Materials • Foundation course in Entrepreneurship <p>Post Graduate</p> <ul style="list-style-type: none"> • Advanced Avionics (Theory and Laboratory) • Data Analytics and Visualization • Modelling and Simulation of Aircraft Vehicles 						
	Scopus	25	Web of Science	5	UGC / Others 18		
No. of Papers Presented in Conferences	International : 33 National : 8		No. of FDPs attended:18		No. of Guest Lectures Delivered:19		
Patents	<ol style="list-style-type: none"> 1. A half coil manufactured from novel composition for brushless DC motor windings with improved efficiency, 202141016081 A, Granted 12th Feb 2024 (Indian) 2. Hybrid Power Source System for Elevators, 202241022817 A, Granted 27th March 2024. (Indian) 						
Research Guidance	Ph.D Guidance . Completed: 3 Ongoing : 7		PG Level :25		UG Level :35		
Research Grants	LoRa-Drone Surveillance for Man-Animal		IIT Palakkad Technology IHub Foundation (IPTIF)		Rs.9,55,000-Ongoing		
	AOM for enhancing range resolution		IIT Tirupati I HUB - LiDAR lab		Rs.5,48,000-Ongoing		
	Boston Children Hospital, Boston USA		Low-Cost Anesthesia Without Pain: Iontophoresis Method		Rs.84,000-Completed		
	Mobile application development for secondary school students		Appsmart Pvt Ltd-Australia		Rs.10,000-Completed		

	Composition and manufacturing of coil winding for electrical appliances	Deccan Industries- Coimbatore	Rs.53,000-Completed
	Consultancy Fee for Kokkamullu SHP towards electrical schemes	M/s Tec-ceT Consultants LLP, Gitanjali, TC 7/1252(2), KOORA-170 (A), Trivandrum	Rs.27,500-Completed
Professional Memberships	<ul style="list-style-type: none"> International Association of Engineers (109974) Indian Society for Technical Education (106302) Indian Association of Energy Management Professionals (IAEMP-TN-M-0021) ISHRAE - Indian Society of Heating Refrigerating and Air Conditioning (34172) Institute for Engineering Research and Publication (IFERP) November 2019-2020 (PMIN81250497) Graduate Life Member - Aeronautical Society of India – Ae.S.I – (G-13530) 		
Awards / Honours	<ul style="list-style-type: none"> Authorized faculty trainer of the NEN (National entrepreneurship Network) awarded by the Wadhwani foundation. Global Jury - Platinum certificate holder for evaluating the PV's international level Bronze Level certificate received from Wadhwani foundation -India. Received Best Achiever Award for the Year 2016 and 2020 from Karunya University. Summer Faculty fellowship at IIT-Tirupathi IITTNiF from May 6 th – June 5 th 2024. Supported the students internship Program on “Reverse Engineering of Air Data Computer KDC-222& Radio Altimeter Indicator ALI-55 of Dornier Aircraft” conducted at 5 Base Repair Depot, Air Force Station Sulur. Completed UHV -I and UHV-II Participant of the Training Program for Women Scientists sponsored by Department of Science and Technology (DST), Govt. of India. 		
Department Responsibilities	<ul style="list-style-type: none"> Department Research Coordinator CCM Incharge NAAC/NBA/Accreditation Coordinator Women Redressal Cell Anti Ragging and Discipline PhD Admission Coordinator 		