




**Faculty Profile**

Name	: RAJA E	
Date of Birth	: 03.02.1984	
Highest Qualification	: M.E. (Ph.D.)	
Date of Joining	: 09.-3.2022	
Designation	: ASSISTANT PROFESSOR	
Date of promotion (Present Designation)	ASSISTANT PROFESSOR	
Area of Interest	Analog and Digital electronics, Embedded systems, Power Electronics,	
Mobile No	: 9003456148	Email ID : Raja.e@trp.srmtrichy.edu.in
Experience	: Teaching : 13	Industry : Research :
Address (for Communication)	19/15, Thethukadu, Namakkal – 637404	

**Association with Professional Bodies**

Name (Professional Body)	International Association of Engineers (IAENG)
Type of Membership	114297

**Research**

Ph. D Guidance					
Supervisor / Guide ship No. :		University :		No. of Scholars :	
Publication*					
International Journals	: 4	National Journals	:		
International Conference	: 9	National Conference	:	12	
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount)	:		Applied (Amount)	:	
Patent					
Published	: 2	Granted	:	2	

**Books**

Published	:	
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**FDPs / STTPs / Workshops / Seminars etc.,**

FDP		STTP		Workshop		Seminar		Others	
Attended :	22	Attended :	6	Attended :	15	Attended :	4	Attended :	
Organized :	2	Organized :		Organized :		Organized :	4	Organized :	

Online courses (NPTEL, MOOC etc.)	
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**\*List of Publications :**

8. Energy based denoising convolutional neural network for image enhancement  
V Karthikeyan, E Raja, D Pradeep  
The Imaging Science Journal 72 (1), 105-120
7. SEPIC-Based DC–DC Converter with Soft Switching Operation for Wide Conversion Operation of E-Automobiles  
Raja Elangovan, K Nagarajan  
Electric Power Components and Systems 52 (3), 471-486
6. Internet of things enabled smart water excellence observing and outflow recognition system  
V Karthikeyan, E Raja, YP Visu  
Philippine Journal of Science 152 (5), 1911-1918
5. Integrated intelligent system for water quality monitoring and theft detection  
V Karthikeyan, Y Palin Visu, E Raja  
Water Practice & Technology 18 (12), 3035-3047
4. An innovative scheme for smart school bus tracking system using machine learning and IoT techniques  
K Aiswarya, A Sriram, E Raja, G Gandhimathi  
AIP Conference Proceedings 2946 (1)
3. A novel deep learning based approach for object detection using mask R-CNN in moving images  
E Raja, G Gandhimathi, A Sriram, B Ramasubramanian, K Priyadarshini  
AIP Conference Proceedings 2946 (1)
2. Augmentation of low voltage ride through (LVRT) capability using ANN based electric spring for a grid-tied wind energy conversion system  
MD Udayakumar, AS Devi, E Raja, AN Ali, AA Stonier  
IOP conference series: materials science and engineering 1055 (1), 012156
1. IOT and Wireless Sensor Based Healthcare Monitoring System For Victim Persons  
REKV Thayammal.S  
International journal of electronics, communication and soft computing ...