



## R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

RSM Nagar, Puduvoyal- 601206, Gummidipoondi (T.K), Tiruvallur (D.T), Tamil Nadu

(An Autonomous Institution)



Approved by AICTE, New Delhi/ Affiliated to Anna University, Chennai

Accredited by NBA (All Eligible Courses) / NAAC with "A" GRADE

An ISO 21001:2018 Certified Institution



## FACULTY PROFILE

PERSONAL INFORMATION			
Name	:	Dr MUTHUMANICKAM S	 
Designation	:	Professor	
Department	:	ECE	
DOB	:	10.05.1980	
DOJ	:	25.06.2011	
AICTE Unique ID	:	1-752059962	
Anna University Faculty ID	:	1116022	
Email	:	muthusushant@gmail.com	
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EDUCATIONAL QUALIFICATION			
UG	PG	DOCTORATE	OTHER QUALIFICATION
B.E (ECE)	M.E (Applied Electronics)	Ph.D (ICE)	PG Course on 5G and IoT (IIT Roorkee)
<b>Title of Ph.D. Thesis</b>			
Implementation and Performance Analysis of Robust Digital Watermarking Techniques for Authentication in Multimedia Signals			
<b>Areas of Expertise &amp; Research Interests</b>			
Antennas, Microwaves, 4G/5G systems			

WORK EXPERIENCE			
Teaching	Research	Industry	Total
22	-	1	23

RESEARCH GUIDANCE			
Anna University Supervisor Recognition Number: 4040081			
Ph.D Awarded	-	Ph.D Pursuing	1

RESEARCH & PUBLICATIONS				
Journal Publications (SCI/Scopus/UGC-Care Indexed)	13	Scopus Citation	33	
Conference Publications (Scopus Indexed)	7	Google Scholar Citation	55	
Book Chapters (Scopus Indexed)	1	Scopus h index	4	
Others	-	Google Scholar h index	2	
Total publications	21	Text Books Authored	1	

PATENTS, INNOVATIONS & INTELLECTUAL PROPERTY			
Granted Patents:	1	Filed Patents	-
Technology Transfers & Commercialized Products	-	Total	-

SPONSORED RESEARCH PROJECTS, GRANTS & CONSULTANCY					
Project Title	Funding Agency/Industry	Grant Amount	Duration	Role (PI/Co-PI)	Status
Design and Implementation of Dual Blind Detection Robust Watermarking for Multimedia Security In FPGA	ISRO SAC Ahmedabad	12,98,000	3 years	Co-PI	Completed
Test and analyse the functional behaviour of antennas and	AICTE - MODROBs	19,84,500	2 Years	Co-PI	Completed

microwave components					
Supervised and Unsupervised Machine Learning Using Google Cloud	STTP- AICTE	2,93,667	3 Weeks (2020)	Coordinator	Completed
National Level Seminar On MIMO Wireless Communication And Future Networks	STTP- AICTE	1,40,000	2 days (2013)	Coordinator	Completed
Partial Reconfiguration Flow Using XILINX Vivado Design Suite and Zynq Board	IET	7,000	1 day (2009)	Coordinator	Completed
Breast cancer segmentation using Image processing	Resprolabs, Chennai Consultancy	1,50,000	6 Months	Coordinator	Completed

#### PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

Professional Society Member	Editorial Board Member	Editor	Reviewer
4	-	-	1

#### CONFERENCES, WORKSHOPS, & SEMINARS

Attended	Organized	Invited Talks / Guest Lectures delivered
125	12	6

TEACHING & UP SKILLING		
YouTube Lectures Link	e-Content Link	MOOC Courses Completed
Antennas part 1: <a href="https://www.youtube.com/watch?v=OPDT95jJKug">https://www.youtube.com/watch?v=OPDT95jJKug</a>  LCD Principles: <a href="https://www.youtube.com/watch?v=fBlVya6iBkM&amp;t=413s">https://www.youtube.com/watch?v=fBlVya6iBkM&amp;t=413s</a>  LED Principles: <a href="https://www.youtube.com/watch?v=8Tuow4EDZ3k&amp;t=236s">https://www.youtube.com/watch?v=8Tuow4EDZ3k&amp;t=236s</a>	Slide share  Helical antennas: <a href="https://www.slideshare.net/muthusushant/helical-antenna-237457384">https://www.slideshare.net/muthusushant/helical-antenna-237457384</a>  Antennas part 1: <a href="https://www.slideshare.net/muthusushant/antennas-slideshare-part-1">https://www.slideshare.net/muthusushant/antennas-slideshare-part-1</a>  Antennas part 2: <a href="https://www.slideshare.net/muthusushant/antennas-slideshare-part-2">https://www.slideshare.net/muthusushant/antennas-slideshare-part-2</a>  Special-semiconductor-devices : <a href="https://www.slideshare.net/muthusushant/special-semiconductor-devices-249332870">https://www.slideshare.net/muthusushant/special-semiconductor-devices-249332870</a>  Field-effect-transistors : <a href="https://www.slideshare.net/muthusushant/field-effect-transistors-249333303">https://www.slideshare.net/muthusushant/field-effect-transistors-249333303</a>	20

ADMINISTRATIVE RESPONSIBILITIES	
Institution Level	Telecom COE Coordinator
Department Level	Project Coordinator Advanced Communication Laboratory Incharge

AWARDS & RECOGNITIONS		
Name of Award	Institution/Organization	Year
Best Project Award	Dr. Kalam Educational Trust	2016
Best paper award	International conference on current innovations in engineering and technology	2015
Best paper award	International conference on research methods in engineering and technology	2017

**Additional Information**

[Any other relevant details]