



GRACE COLLEGE OF ENGINEERING

MULLAKKADU, THOOTHUKUDI - 628005

FACULTY PROFILE

Name : M. Krishna Kumar
Designation & Department : Assistant Professor & ECE
Gender : Male
DOB : 16.02.1989
DOJ : 02.07.2012
Father's Name : Mr. R. Anbalagan
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EDUCATIONAL QUALIFICATION:

Degree	Course	Month & Year of Passing	Name of the School/College & Board/University	Regular/ Part Time	% of Marks	Class Obtained
UG	BE-ECE	April & 2010	Noorul Islam College of Engineering, Thuckalay & Anna University, Chennai	Regular	82	I
PG	ME-Communication Systems	June & 2012	Mepco Schlenk Engineering College, Sivakasi & Anna University, Chennai	Regular	8.71 (CGPA)	I
Ph.D (pursuing)	ICE	-	Anna University, Chennai	Part Time	-	-

EXPERIENCE:

Name of the College	Designation	Duration	
		From	To
Chandy College of Engineering, Thoothukudi	Assistant Professor	02.07.2012	11.08.2020
Grace College of Engineering, Thoothukudi	Assistant Professor	12.08.2020	Till Date
Total Teaching Experience			10 Years and 10 Months

ADDITIONAL QUALIFICATION IF ANY :

i. GATE Score (In case of B.E. / B.Tech.):-

ii. NET / SLET -

Title of Ph.D. Thesis *: -

Faculty in which Ph.D. was awarded: -

MEMBERSHIP IN PROFESSIONAL BODIES:

Professional Body	Type of Membership	Membership Number
IETE	Life Time Associate Member	AM-230169

PAPERS PRESENTED IN CONFERENCE/SYMPOSIUM:

Date	Venue	Paper Name	ISBN/ISSN if any	Conference Title
7 th & 8 th March 2014	Pandian Saraswathi Yadav Engineering College, Sivagangai	A Novel Method for Enhancing the Network Performances in Co-operative Communication Using RID		International Conference on Emerging Trends in Engineering & Technology
31 st March 2014	Travancore Engineering College, Kollam	A Novel Design for Enhancing the Lifetime of Satellite Batteries Using a 3-port DC-DC Converter		International Conference on Emerging Trends in Engineering & Technology
17 & 18 th February 2017	Erode Sengunthar Engineering College, Erode	Precise Segmentation of Vessels from MRA Brain Images based on Neural Algorithm		International Conference on Emerging Trends in Engineering , Science & Sustainable Technology
24 & 25 th March 2017	Rajas Engineering College, Vadakkangulam	Forwarding Metric Based Data Forwarding Scheme in Delay-Tolerant Networks		International Conference on Innovative Trends in Engineering , Science & Technology
12 th April 2017	Chandy College of Engineering, Thoothukudi	Performance Analysis of Image Denoising Techniques		National Conference on Futuristic Explorations in Electrical, Communication and Information Engineering
5 th April 2018	Al-Ameen Engineering College, Erode	Five Finger Robotic Hand Used For Hand Assisted Laparoscopic Surgery		International Conference on Advanced Science & Engineering Research
9 th March 2019	Dr. G. U. Pope College of Engineering,	Resource Allocation robust to control traffic and channel variations		4th National Conference on Innovative Technologies in Engineering

	Sawyerpuram	by using DSR		
9 & 10 th March 2019	Prince Shri Venkateshwara Padmavathy Engineering College, Chennai	An affordable real time implementation of channel emulator with the aid of IoT		International Conference on Contemporary Engineering & Technology
18 th May 2019	J.N.N Institute of Engineering, Chennai	Smart Stick using Ultrasonic Navigation with voice aid for Visually Impaired		International Conference on Innovations in Engineering Technology and Management
13 & 14 th March 2020	KIT-Kalaingar Karunanidhi Institute of Technology, Coimbatore	A Novel Miniaturized Diamond Shaped Textile Antenna		International Conference on Science, Technology, Engineering and Management
13 th April 2020	Karpagam Institute of Technology, Coimbatore	Smart Energy Efficient Solar Street Light System Using IoT		International E-Conference on Latest Trends in Science, Engineering and Technology
10 th April 2021	Annai Vailankanni College of Engineering, Azhagappapuram	Analysing the Quality of Fruits and Vegetables using IoT integrated with a Smart Phone Application		International Conference on Advances in Materials, Computing and Communication Technologies
29 th April 2021	SRM TRP Engineering College, Trichy	Analysis of Underwater Image Enhancement Techniques		International Conference on Artificial Intelligence for IoT and Sustainable Electrical Networks
28 th & 29 th April 2022	PSN Institute of Technology and Science, Melathediyoor	Deep Feature Learning based Hyperactivity Disorder Classification		ICRTMREICT-2022
30 th & 31 st July 2022	Kristu Jyoti College of Management and Technology, Kerala	Comparative Analysis of Microstrip Patch Antenna with Different Slots and Materials		International Conference on Modern Computing Trends and Technology

PAPERS PUBLISHED IN JOURNAL :

Title of the Paper	Authors	Name of the Journal	Volume Number & Page Number	ISBN/ISSN if any	Year of Publication
A Realistic Approach for Antenna Miniaturization	R.Shantha Selva Kumari & M. Krishna Kumar	International Journal of Applied Computing, Serials publications	Vol. 4, No.2, pp. 93-99	ISSN: 0974-6277	Jul-Dec 2011
A Modern Approach for Planar Inverted F	R.Shantha Selva Kumari & M. Krishna Kumar	International Journal of Emerging	Vol.2, No.3, pp. 343-351	ISSN:2250-2459	March 2012

Antenna Miniaturization		Technology and Advanced Engineering (IJETAE)			
Miniaturized Dual-Band Monopole Antenna Design for Wireless Communications	R.Shantha Selva Kumari & M. Krishna Kumar	International Journal of Engineering and Innovative Technology (IJEIT)	Vol.1, No.6, pp. 237-241	ISSN:2277-3754	June 2012
Miniaturized Planar Inverted F Antenna for Tri-Band Bio-Telemetry Communication	Dr. R. ShanthaSelvakumari & Mr. M. Krishna Kumar	International Journal of Electronics and Communication Engineering & Technology (IJECET)		(Print): 0976-6474, (online): 0976-6472	Mar-Apr 2013
Miniaturized Dielectric Resonator Antenna with Broadside Radiations for Ultra-Wideband Applications	Mr. M. Krishna Kumar, Mr. J. Joe Paul, Mrs. S. Jenita Roobavathi, Ms.M.Kavitha & Mrs. S.Shaheedha Nassirine	International Journal of Advanced Computer Research (IJACR)		(Print): 2249-7277 (online): 2277-7970	March 2014
Secured POR for Flooding Attack Prevention in Extremely Dynamic Ad Hoc Networks	Mr.Kanagasundar, Mr. M. Krishna Kumar, Mr. J. Joe Paul & Ms. Lizza Lazar	The Standard International Journal Transactions on Computer Networks & Communication Engineering(CNCE)		2321-2403	Mar-Apr 2014
Radio Interference Detection in Capacity Optimized Co-operative Networks	Ms. Lizza Lazar, Mr. M. Krishna Kumar, Mr. J. Joe Paul & Mr. Kanagasundar	International Journal of Computer Networks & Wireless Communication (IJCNWC)		2250-3501	April 2014
Demand Response Based Real-Time Scheduling For Household Electrical Appliances	Mrs. S. Muthukani & Mr. M. Krishna Kumar	International Journal of Innovation and Scientific Research		2351-8014	June 2015
Improving the Performance of Antenna using Substrate Integrated Waveguide Coupler	Mr.S. Rajkumar, Mr.V.Saravanan, Mr.S. Devendran, & Mr. M. Krishna Kumar	Indian Journal of Science and Technology		(Print) : 0974-6846 (Online) : 0974-5645	December 2016

Precise Segmentation of Vessels from MRA Brain Images based on Neural Algorithm	Mr. M. Krishna Kumar	International Journal of Computer science and Engineering		ISSN (Print): 2348-8549 part-1,	February 2017
Five Finger Robotic hand used for Hand Assisted Laparoscopic Surgery	Mr. M. Krishna Kumar	International Journal of Advanced science and Engineering Research	Volume 03, Issue 01	ISSN : 2455-9288	April 2018
An Affordable Real Time Implementation of Channel Emulator with the aid of IoT	Mrs. R.Jebarani, Ms. A. Anbukani, Ms. M.Suba, Ms. S.Balamariammal & Mr. M. Krishna Kumar	International Journal of Science And Innovative Engineering & Technology		ISBN 978-93-81288-18-4	May 2019
Safe Application for Emotion Detection in Sustainable Teaching using Deep Learning	K.Ragavan S.Jeeva, M.Krishna Kumar, K.Venkatalakshmi, K.Vijayalakshmi	Journal of Green Engineering [Scopus Indexed]	Vol-10, No-9, pp. 5118-5131	ISSN: 1904-4720 (Print) ISSN: 2245-4586 (Online)	September 2020
Analysing the Quality of Fruits and Vegetables using IoT integrated with a Smart Phone Application	Mr. M. Krishna Kumar, P. Nisha, S.Priyadharshini, S. Sorna Malathi	International Journal of Scientific Research in Science and Technology (IJSRST)	Volume 9, Issue 1, Page No 864-869		March-April-2021
Performance Measures of Underwater Image Enhancement Techniques	Mr. M. Krishna Kumar, P. Thanalakshmi	International Journal of Advanced Research in Computer and Communication Engineering(IJARCCCE)	Volume 10, Issue 4, Page No 65-71		April-2021
Recognizing Facial Expression through Frequency Neural Network	Mr. M. Krishna Kumar, S.Karpagavalli, S.Kowsalya, S.Maheswari, S. Muthuselvi	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering(IJIREEICE)	Volume 9, Issue 7, Page No 155-160		July 2021

WORKSHOPS & FDP ATTENDED :

FDP/Workshop Title	Venue	Date	Duration
Workshop-Agilent's Advanced Design System (ADS 2011)	SRM university, Chennai		2 Days
Workshop-Advanced VLSI System Design and Research Issues	Chandy College of Engineering, Thoothukudi	21.07.2012	1 Day
Workshop-Embedded Systems using 8051 and Embedded 'C'	Chandy College of Engineering, Thoothukudi	29.08.2012	1 Day
FDP-Inter Personal Relationship	Chandy College of Engineering, Thoothukudi	06.10.2012	1 Day
FDP-Role of a Modern Day Teacher	Chandy College of Engineering, Thoothukudi	23.02.2013	1 Day
FDP-Role of Teachers for Excellence	Chandy College of Engineering, Thoothukudi	22.03.2013	1 Day
FDP-Contemporary Teaching Techniques- Revisiting Education Pedagogy	Chandy College of Engineering, Thoothukudi	29 th June 2015	1 Day
FDP-Cummulative Association of Humanities and Science	Chandy College of Engineering, Thoothukudi	19 th January 2016	1 Day
FDP-Research Methodologies	Chandy College of Engineering, Thoothukudi	30 th January 2016	1 Day
FDP-Data Science and Big Data Analytics	Jayaraj Annapackiam CSI College of Engineering, Nazareth	23 rd June 2017	1 Day
FDP-IoT using ARDUINO and RASPBERRY PI	SRM Institute of Science and Technology, Chennai	26 th and 27 th November 2018	2 Days
FDP-Overview of OBE & NBA process under Margdarshan scheme for share and Mentor Institutions	Francis Xavier Engineering College, Tirunelveli	18 th to 23 rd November 2019	6 Days
Workshop-Applications of Machine Learning in 5G Wireless Communication: A Research Perspective	Mahendra Engineering College, Namakkal	10 th & 11 th February 2020	2 Days
FDP- Microstrip Antennas for Advanced Wireless Communications	Kallam Haranadhareddy Institute of Technology, Guntur	15 th & 16 th May 2020	2 Days
FDP- Role of IoT, Embedded, Electric Vehicle & Power Electronic Converters for smart world	St. Joseph's College of Engineering, Chennai	18 th to 22 nd May 2020	5 Days
FDP- Principles of Management	Panimalar Institute of Technology, Chennai	18 th to 22 nd May 2020	5 Days
FDP- VLSI Technology and Hardware for AI & ML	GMR Institute of Technology, Rajam, Andhra Pradesh	25 th to 27 th May 2020	3 Days
FDP- Embedded and IoT Bootcamp	Mohamed Sathak A J College of Engineering, Chennai	27 th to 29 th May 2020	3 Days
FDP- Artificial Intelligence	Vaagdevi College of Engineering,	29 th & 30 th	2 Days

& Machine Learning	Hyderabad	May2020	
FDP- Angular and Business Intelligence	St. Joseph's Institute of Technology, Chennai	30 th & 31 st May2020	2 Days
FDP- Groundbreaking Technologies	Panimalar Institute of Technology, Chennai	1 st to 7 th June 2020	7 Days
Workshop- Cyber Security	Sri Venkateswara College of Engineering and Technology, Chittoor, Andhra Pradesh	8 & 9 th June 2020	2 Days
FDP- Recent Trends in Electronics and Communication Engineering	Chennai Institute of Technology, Chennai	8 th to 12 th June 2020	5 Days
FDP- Sustainable smart cities	Chennai Institute of Technology, Chennai	15 th to 19 th June 2020	5 Days
FDP- Latest Trends and Challenges in IT Industry	R.M.D Engineering College, Kavaraipettai	15 th to 20 th June 2020	6 Days
FDP-Advances in 5G-Wireless Communications with Hand on Experiences	Lendi Institute of Engineering and Technology, Vizianagaram, Andhra Pradesh	16 th to 20 th June 2020	5 Days
FDP- Innovation Opportunities in Emerging Electronics & Communication Technology	Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Kanchikacherla, Krishna District, Andhra Pradesh	19 th to 21 st June 2020	3 Days
FDP -Cyber Security	Sreyas Institute of Engineering and Technology, Hyderabad	19 th to 24 th June 2020	6 Days
Workshop-Research Scopes in Remote Sensing	St. Joseph's College of Engineering, Chennai	24 to 26 th June 2020	3 Days
FDP -PCB Design	Vidya Vikas Institute of Engineering and Technology, Mysuru, Karnataka	29 th June to 3 rd July 2020	5 Days
FDP -Future of Education and Research	Syed Ammal Engineering College, Ramanathapuram	29 th June to 5 th July 2020	7 Days
FDP -Evolution of 5G	KgiSL Institute of Technology, Coimbatore	29 th June to 5 th July 2020	7 Days
FDP -Future Nano Electronic Devices & Circuits	Mahatma Gandhi Institute of Technology, Hyderabad	6 th to 10 th July 2020	5 Days
FDP -Evolving Trends in Communication and Networking	St. Joseph's College of Engineering, Chennai	6 th to 10 th July 2020	5 Days
FDP -Sensors & their Applications	Vemana Institute of Technology, Bengaluru	13 th to 17 th July 2020	5 Days
FDP -MATLAB and its Applications in Engineering using Machine Learning & Deep Learning	G Pulla Reddy Engineering College, Kurnool, Andhra Pradesh	13 th to 17 th July 2020	5 Days
FDP -Recent Advances in Biomedical Applications and communication Networks	GMR Institute of Technology, Rajam, Andhra Pradesh	13 th to 18 th July 2020	6 Days
FDP -Effective Teaching Pedagogy	Inderprastha Engineering College, Ghaziabad, Uttar Pradesh	20 th to 22 nd July 2020	3 Days
FDP -Research Trends In Image Processing With Machine Learning And Deep Learning	G Pulla Reddy Engineering College, Kurnool, Andhra Pradesh	21 st to 25 th July 2020	5 Days
FDP -OBM752-Hospital Management	St. Joseph's Institute of Technology, Chennai	27 th July to 3 rd August 2020	8 Days

FDP -Evolution in Semiconductor Devices	Bannari Amman Institute of Technology, Coimbatore	27 th July to 3 rd August 2020	8 Days
FDP- Computer Networks Simulation using NS2	Mahatma Gandhi Institute of Technology, Hyderabad	10 th to 14 th August 2020	5 Days
FDP- Recent Trends in IoT and Cyber Security	St. Joseph's College of Engineering, Chennai	10 th to 14 th August 2020	5 Days
STTP- AICTE-AQIS STTP on "Integrative Internet of Things and Deep Learning for Smart Healthcare(Series-I)"	KPR Institute of Engineering and Technology, Coimbatore	19 th to 24 th October 2020	6 Days
Workshop- Outcome Based Education and Accreditation"	Anna University, Chennai	20 th October 2020	½ Day
Webinar -The Role & Impact of AI, Machine Learning and Deep Learning in Engineering Applications	Sri sairam Engineering College, Chennai	24th October 2020	1 day
STTP- Research Challenges and Applications of Internet of Things (IoT) in Smart Agriculture	Kongunadu College of Engineering and Technology, Trichy	30 th November to 5 th December 2020	6 Days
STTP- Innovative Teaching and Learning Methods for Inspiring Students	Sagi Rama Krishnam Raju Engineering College, Andhra Pradesh	18 th to 23 rd December 2020	6 Days
FDP-Research Proposal: Writing and Opportunities	Government College of Technology, Coimbatore	6 th to 8 th January 2021	3 Days
Workshop-The GASS National Research Video on Basics of Research	Indore School of Social Work, Indore, Madhya Pradesh	13 th May 2021	1 day
FDP- Advanced Trends in Biomedical Research using Deep learning Techniques	Mepco Schlenk Engineering College, Sivakasi	17 th to 21 st May 2021	5 days
FDP- Advanced Electromagnetics and Applications	Sri Sivasubramaniya Nadar College of Engineering, Chennai	24 th to 28 th May 2021	5 days
Webinar -Facts of Weather Radar Application	Sri Venkateswara College of Engineering	15 th June 2021	1day
Webinar -Design and Simulation of Microstrip Antenna with RF Components and connectors using Pathwave ADS	Dr. Mahalingam College of Engineering and Technology, Pollachi	16 th June 2021	1 day
FDP- EC8701-Antennas & Microwave Engineering	Karpagam Institute of Technology, Coimbatore	14 th to 19 th June 2021	6 days
FDP- Innovation in Telemedicine in Rural India enabled by advancements in Artificial Intelligence, Medical Devices and Internet of Things(ATAL)	R.M.K. Engineering College, Gummidipoondi	15 th to 19 th June 2021	5 days
FDP- IOT in 5G Technology(ATAL)	Silicon Institute of Technology, Bhubaneswar, Odisha	21 st to 25 th June 2021	5 days
FDP- Advancements in Optical Communication	Government College of Technology, Coimbatore	21 st to 25 th June 2021	5 days

Research			
Webinar -Smart Antennas for 5G and beyond Communications	Dr. Mahalingam College of Engineering and Technology, Pollachi	2 nd July 2021	1 day
FDP- Microwave Engineering	Government College of Technology, Coimbatore	2 nd to 6 th August 2021	5 days
FDP- Recent Trends in Nanotechnology & Signal Processing	GMR Institute of Technology, Rajam, Andhra Pradesh	23 rd to 29 th August 2021	7 days
Webinar -Getting Started with Deep Learning	Government Engineering College, Rajkot	16 th October 2021	1 day
Webinar -Machine Learning	Government Engineering College, Rajkot	22 nd October 2021	1 day
FDP- Deep Learning in Healthcare	Sri Sai Ram Institute of Technology, Chennai	25 th to 29 th October 2021	5 days
FDP- Advanced Electromagnetics and Modern Antenna Design Principles	Sri Sivasubramaniya Nadar College of Engineering	6 th to 10 th December 2021	5 days
FDP- EC8004 - Wireless Networks	University College of Engineering, Panruti	20 th to 25 th December 2021	6 days
FDP- Medical Data Analytics With Python AICTE-ISTE Orientation/Refresher Programme	Anna University Regional Campus, Tirunelveli	4 th to 10 th January 2022	6 days
Workshop -Applications of Deep Learning in Computer Vision	Sri Sivasubramaniya Nadar College of Engineering, Chennai	10 th to 12 th February 2022	3 days
FDP- Advancements on Antenna Technologies for future Applications	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada	14 th to 19 th February 2022	6 days
Workshop -Research Issues in Nano Antennas for Wireless Communication	Mepco Schlenk Engineering College, Sivakasi	17 th to 19 th February 2022	3days
Webinar -Intellectual Property Rights	Intellectual Property Office, India	28 th February 2022	1day
Webinar- Digital Twin in Robotics	Simats School of Engineering, Chennai	25 th May 2022	1day
Webinar-Machine Learning using Python	Simats School of Engineering, Chennai	26 th May 2022	1day
FDP-Antenna Engineering	Government College of Technology, Coimbatore	23 rd to 27 th May 2022	5 days
FDP- 5G Wireless Communication Technology	IEEE India Council	28 th to 30 th July 2022	3 days
STTP- Antenna Design: Future Trends and New Applications	CARE College of Engineering, Trichy	1 st to 5 th August 2022	5 days
Webinar-Data Visualization using SEABORN Package	Simats School of Engineering, Chennai	30 th May 2022	1day
Seminar-Impact of Climate Change on Human Health using Deep Learning Algorithms	Kongunadu College of Engineering and Technology, Trichy	10 th June 2022	1day

Webinar- Industrial Applications of Machine Learning and Challenges	Government Engineering College, Rajkot	30 th July 2022	1day
Webinar- Filing a National and International Patent and Understanding the Procedure for the Same	Shri Vishnu Engineering College for Women, Bhimavaram, Andhra Pradesh	6 th August 2022	1day
Workshop- IPR Awareness Program	RVS College of Engineering and Technology, Coimbatore	30 th August 2022	1day
Webinar- Effective Methodology for Research paper writing	V.S.B. Engineering College, Karur	3 rd September 2022	1day
Webinar- Introduction to Cyber Security	Chalapathi Institute of Engineering and Technology, Guntur	7 th September 2022	1day
Webinar- Healthcare Informatics	Study World College of Engineering, Coimbatore	1 st November 2022	1day
Webinar- Present and Future State-of-the-Art in Radar and Satellite Communications	Study World College of Engineering, Coimbatore	5 th November 2022	1day
Webinar- Career Opportunities in Communication Systems- Industry Perspective	Kumaraguru College of Technology, Coimbatore	11 th April 2023	1day
Webinar- Cyber Security challenges for common man through Wind Turbine Generators	Institution of Engineers, Tiruchirappalli	11 th April 2023	1day
Webinar- Advancements and Opportunities in Defence Technology for Engineering/ Science Graduates	Kumaraguru College of Technology, Coimbatore	15 th April 2023	1day
Webinar- Performance of Industry Sector	Institution of Engineers, Tiruchirappalli	18 th April 2023	1day

BOOKS AUTHORED:

Title of the Book	Authors	Publishers	ISBN/ISSN if any	Year of Publication
A Handbook on Miniaturization of Antennas	Mr. M. Krishna Kumar	Lambert Academic Publishers	9783659407550	06.07.2013
Electronic Circuits-II	Dr. P. Velraj Kumar Dr. V. Violet Juli C. Rajanandhini Mr. M. Krishna Kumar	Scientific International Publishing House	ISBN – 978-93-5625-272-1	06.06.2022

Publications:

In Journals :

National : 0

International : 17

In Conferences :

National : 2

International : 13

Any other relevant information:

- Indian Patent Application No: 202141003159, “**Multiple Layered Communication with Optical Wireless Link using Integrated Wireless Sensor Networks**” 29th January, 2021
- Indian Patent Application No: 202041056676, “**IoT based Smart Device for Pollution Control and Traffic Management System**” 26th February, 2021
- Australian Patent Application No: 2021107057, “**Node discovery mechanism for IoT capillary Networks**” granted for 8 years from 24th August, 2021

DECLARATION

I solemnly, hereby declare that the above-mentioned information is true to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.



Signature of the Faculty