



# 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  
**E-mail id** : krishnakumar@grace.edu.in



## 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
<b>Total Teaching Experience</b>			<b>12 Years and 9 Months</b>

**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 <sup>th</sup> & 8 <sup>th</sup> 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 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> March 2020	KIT-Kalaignar Karunanidhi Institute of Technology, Coimbatore	A Novel Miniaturized Diamond Shaped Textile Antenna		International Conference on Science, Technology, Engineering and Management
13 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> & 29 <sup>th</sup> April 2022	PSN Institute of Technology and Science, Melathediyoor	Deep Feature Learning based Hyperactivity Disorder Classification		ICRTMREICT-2022
30 <sup>th</sup> & 31 <sup>st</sup> 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
18 <sup>th</sup> April 2023	Dr. G. U. Pope College of Engineering, Sawyerpuram	An automated Technique for Classification of RBC in Blood Smear image		6 <sup>th</sup> National Conference on Innovative Technologies in Engineering
9 <sup>th</sup> May 2023	Grace College of Engineering, Thoothukudi	Biosynthesis of Nanoparticles from metal oxides using Nano Technology and its applications		National Convention of Electronics and Communication Engineers-2023

## **PAPERS PUBLISHED IN JOURNAL :**

<b>Title of the Paper</b>	<b>Authors</b>	<b>Name of the Journal</b>	<b>Volume Number &amp; Page Number</b>	<b>ISBN/ISSN if any</b>	<b>Year of Publication</b>
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 Antenna Miniaturization	R.Shantha Selva Kumari & M. Krishna Kumar	International Journal of Emerging Technology and Advanced Engineering (IJETAE)	Vol.2, No.3, pp. 343-351	ISSN:2250-2459	March 2012
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. ShanthaSelvaku mari & 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(IJA RCCE)	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(IJIR EEICE)	Volume 9, Issue 7, Page No 155-160		July 2021

### **WORKSHOPS & FDP ATTENDED :**

<b>FDP/Workshop Title</b>	<b>Venue</b>	<b>Date</b>	<b>Duration</b>
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-	Chandy College of Engineering, Thoothukudi	29 <sup>th</sup> June 2015	1 Day

Revisiting Education Pedagogy			
FDP-Cummulative Association of Humanities and Science	Chandy College of Engineering, Thoothukudi	19 <sup>th</sup> January 2016	1 Day
FDP-Research Methodologies	Chandy College of Engineering, Thoothukudi	30 <sup>th</sup> January 2016	1 Day
FDP-Data Science and Big Data Analytics	Jayaraj Annappaikiam CSI College of Engineering, Nazareth	23 <sup>rd</sup> June 2017	1 Day
FDP-IoT using ARDUINO and RASPBERRY PI	SRM Institute of Science and Technology, Chennai	26 <sup>th</sup> and 27 <sup>th</sup> November 2018	2 Days
FDP-Overview of OBE & NBA process under Margdarshan scheme for share and Mentor Institutions	Francis Xavier Engineering College, Tirunelveli	18 <sup>th</sup> to 23 <sup>rd</sup> November 2019	6 Days
Workshop-Applications of Machine Learning in 5G Wireless Communication: A Research Perspective	Mahendra Engineering College, Namakkal	10 <sup>th</sup> & 11 <sup>th</sup> February 2020	2 Days
FDP- Microstrip Antennas for Advanced Wireless Communications	Kallam Haranadhareddy Institute of Technology, Guntur	15 <sup>th</sup> & 16 <sup>th</sup> 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 <sup>th</sup> to 22 <sup>nd</sup> May 2020	5 Days
FDP- Principles of Management	Panimalar Institute of Technology, Chennai	18 <sup>th</sup> to 22 <sup>nd</sup> May 2020	5 Days
FDP- VLSI Technology and Hardware for AI & ML	GMR Institute of Technology, Rajam, Andhra Pradesh	25 <sup>th</sup> to 27 <sup>th</sup> May 2020	3 Days
FDP- Embedded and IoT Bootcamp	Mohamed Sathak A J College of Engineering, Chennai	27 <sup>th</sup> to 29 <sup>th</sup> May 2020	3 Days
FDP- Artificial Intelligence & Machine Learning	Vaagdevi College of Engineering, Hyderabad	29 <sup>th</sup> & 30 <sup>th</sup> May 2020	2 Days
FDP- Angular and Business Intelligence	St. Joseph's Institute of Technology, Chennai	30 <sup>th</sup> & 31 <sup>st</sup> May 2020	2 Days
FDP- Groundbreaking Technologies	Panimalar Institute of Technology, Chennai	1 <sup>st</sup> to 7 <sup>th</sup> June 2020	7 Days
Workshop- Cyber Security	Sri Venkateswara College of Engineering and Technology, Chittoor, Andhra Pradesh	8 & 9 <sup>th</sup> June 2020	2 Days
FDP- Recent Trends in Electronics and Communication Engineering	Chennai Institute of Technology, Chennai	8 <sup>th</sup> to 12 <sup>th</sup> June 2020	5 Days
FDP- Sustainable smart cities	Chennai Institute of Technology, Chennai	15 <sup>th</sup> to 19 <sup>th</sup> June 2020	5 Days
FDP- Latest Trends and Challenges in IT Industry	R.M.D Engineering College, Kavaraipettai	15 <sup>th</sup> to 20 <sup>th</sup> June 2020	6 Days
FDP-Advances in 5G-Wireless Communications with Hand on Experiences	Lendi Institute of Engineering and Technology, Vizianagaram, Andhra Pradesh	16 <sup>th</sup> to 20 <sup>th</sup> 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 <sup>th</sup> to 21 <sup>st</sup> June 2020	3 Days

FDP -Cyber Security	Sreyas Institute of Engineering and Technology, Hyderabad	19 <sup>th</sup> to 24 <sup>th</sup> June 2020	6 Days
Workshop-Research Scopes in Remote Sensing	St. Joseph's College of Engineering, Chennai	24 to 26 <sup>th</sup> June 2020	3 Days
FDP -PCB Design	Vidya Vikas Institute of Engineering and Technology, Mysuru, Karnataka	29 <sup>th</sup> June to 3 <sup>rd</sup> July 2020	5 Days
FDP -Future of Education and Research	Syed Ammal Engineering College, Ramanathapuram	29 <sup>th</sup> June to 5 <sup>th</sup> July 2020	7 Days
FDP -Evolution of 5G	KgiSL Institute of Technology, Coimbatore	29 <sup>th</sup> June to 5 <sup>th</sup> July 2020	7 Days
FDP -Future Nano Electronic Devices & Circuits	Mahatma Gandhi Institute of Technology, Hyderabad	6 <sup>th</sup> to 10 <sup>th</sup> July 2020	5 Days
FDP -Evolving Trends in Communication and Networking	St. Joseph's College of Engineering, Chennai	6 <sup>th</sup> to 10 <sup>th</sup> July 2020	5 Days
FDP -Sensors & their Applications	Vemana Institute of Technology, Bengaluru	13 <sup>th</sup> to 17 <sup>th</sup> 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 <sup>th</sup> to 17 <sup>th</sup> July 2020	5 Days
FDP -Recent Advances in Biomedical Applications and communication Networks	GMR Institute of Technology, Rajam, Andhra Pradesh	13 <sup>th</sup> to 18 <sup>th</sup> July 2020	6 Days
FDP -Effective Teaching Pedagogy	Inderprastha Engineering College, Ghaziabad, Uttar Pradesh	20 <sup>th</sup> to 22 <sup>nd</sup> 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 <sup>st</sup> to 25 <sup>th</sup> July 2020	5 Days
FDP -OBM752-Hospital Management	St. Joseph's Institute of Technology, Chennai	27 <sup>th</sup> July to 3 <sup>rd</sup> August 2020	8 Days
FDP -Evolution in Semiconductor Devices	Bannari Amman Institute of Technology, Coimbatore	27 <sup>th</sup> July to 3 <sup>rd</sup> August 2020	8 Days
FDP- Computer Networks Simulation using NS2	Mahatma Gandhi Institute of Technology, Hyderabad	10 <sup>th</sup> to 14 <sup>th</sup> August 2020	5 Days
FDP- Recent Trends in IoT and Cyber Security	St. Joseph's College of Engineering, Chennai	10 <sup>th</sup> to 14 <sup>th</sup> 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 <sup>th</sup> to 24 <sup>th</sup> October 2020	6 Days
Workshop- Outcome Based Education and Accreditation"	Anna University, Chennai	20 <sup>th</sup> 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 <sup>th</sup> November to 5 <sup>th</sup> December 2020	6 Days

STTP- Innovative Teaching and Learning Methods for Inspiring Students	Sagi Rama Krishnam Raju Engineering College, Andhra Pradesh	18 <sup>th</sup> to 23 <sup>rd</sup> December 2020	6 Days
FDP-Research Proposal: Writing and Opportunities	Government College of Technology, Coimbatore	6 <sup>th</sup> to 8 <sup>th</sup> January 2021	3 Days
Workshop-The GASS National Research Video on Basics of Research	Indore School of Social Work, Indore, Madhya Pradesh	13 <sup>th</sup> May 2021	1 day
FDP- Advanced Trends in Biomedical Research using Deep learning Techniques	Mepco Schlenk Engineering College, Sivakasi	17 <sup>th</sup> to 21 <sup>st</sup> May 2021	5 days
FDP- Advanced Electromagnetics and Applications	Sri Sivasubramaniya Nadar College of Engineering, Chennai	24 <sup>th</sup> to 28 <sup>th</sup> May 2021	5 days
Webinar -Facts of Weather Radar Application	Sri Venkateswara College of Engineering	15 <sup>th</sup> June 2021	1 day
Webinar -Design and Simulation of Microstrip Antenna with RF Components and connectors using Pathwave ADS	Dr. Mahalingam College of Engineering and Technology, Pollachi	16 <sup>th</sup> June 2021	1 day
FDP- EC8701-Antennas & Microwave Engineering	Karpagam Institute of Technology, Coimbatore	14 <sup>th</sup> to 19 <sup>th</sup> 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 <sup>th</sup> to 19 <sup>th</sup> June 2021	5 days
FDP- IOT in 5G Technology(ATAL)	Silicon Institute of Technology, Bhubaneswar, Odisha	21 <sup>st</sup> to 25 <sup>th</sup> June 2021	5 days
FDP- Advancements in Optical Communication Research	Government College of Technology, Coimbatore	21 <sup>st</sup> to 25 <sup>th</sup> June 2021	5 days
Webinar -Smart Antennas for 5G and beyond Communications	Dr. Mahalingam College of Engineering and Technology, Pollachi	2 <sup>nd</sup> July 2021	1 day
FDP- Microwave Engineering	Government College of Technology, Coimbatore	2 <sup>nd</sup> to 6 <sup>th</sup> August 2021	5 days
FDP- Recent Trends in Nanotechnology & Signal Processing	GMR Institute of Technology, Rajam, Andhra Pradesh	23 <sup>rd</sup> to 29 <sup>th</sup> August 2021	7 days
Webinar -Getting Started with Deep Learning	Government Engineering College, Rajkot	16 <sup>th</sup> October 2021	1 day
Webinar -Machine Learning	Government Engineering College, Rajkot	22 <sup>nd</sup> October 2021	1 day
FDP- Deep Learning in Healthcare	Sri Sai Ram Institute of Technology, Chennai	25 <sup>th</sup> to 29 <sup>th</sup> October 2021	5 days
FDP- Advanced Electromagnetics and Modern Antenna Design Principles	Sri Sivasubramaniya Nadar College of Engineering	6 <sup>th</sup> to 10 <sup>th</sup> December 2021	5 days
FDP- EC8004 - Wireless Networks	University College of Engineering, Panruti	20 <sup>th</sup> to 25 <sup>th</sup> December 2021	6 days

FDP- Medical Data Analytics With Python <b>AICTE-ISTE Orientation/Refresher Programme</b>	Anna University Regional Campus, Tirunelveli	4 <sup>th</sup> to 10 <sup>th</sup> January 2022	6 days
Workshop -Applications of Deep Learning in Computer Vision	Sri Sivasubramaniya Nadar College of Engineering, Chennai	10 <sup>th</sup> to 12 <sup>th</sup> February 2022	3 days
FDP- Advancements on Antenna Technologies for future Applications	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada	14 <sup>th</sup> to 19 <sup>th</sup> February 2022	6 days
Workshop -Research Issues in Nano Antennas for Wireless Communication	Mepco Schlenk Engineering College, Sivakasi	17 <sup>th</sup> to 19 <sup>th</sup> February 2022	3days
Webinar -Intellectual Property Rights	Intellectual Property Office, India	28 <sup>th</sup> February 2022	1day
Webinar- Digital Twin in Robotics	Simats School of Engineering, Chennai	25 <sup>th</sup> May 2022	1day
Webinar-Machine Learning using Python	Simats School of Engineering, Chennai	26 <sup>th</sup> May 2022	1day
FDP-Antenna Engineering	Government College of Technology, Coimbatore	23 <sup>rd</sup> to 27 <sup>th</sup> May 2022	5 days
FDP- 5G Wireless Communication Technology	IEEE India Council	28 <sup>th</sup> to 30 <sup>th</sup> July 2022	3 days
STTP- Antenna Design: Future Trends and New Applications	CARE College of Engineering, Trichy	1 <sup>st</sup> to 5 <sup>th</sup> August 2022	5 days
Webinar-Data Visualization using SEABORN Package	Simats School of Engineering, Chennai	30 <sup>th</sup> May 2022	1day
Seminar-Impact of Climate Change on Human Health using Deep Learning Algorithms	Kongunadu College of Engineering and Technology, Trichy	10 <sup>th</sup> June 2022	1day
Webinar- Industrial Applications of Machine Learning and Challenges	Government Engineering College, Rajkot	30 <sup>th</sup> 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 <sup>th</sup> August 2022	1day
Workshop- IPR Awareness Program	RVS College of Engineering and Technology, Coimbatore	30 <sup>th</sup> August 2022	1day
Webinar- Effective Methodology for Research paper writing	V.S.B. Engineering College, Karur	3 <sup>rd</sup> September 2022	1day
Webinar- Introduction to Cyber Security	Chalpathi Institute of Engineering and Technology, Guntur	7 <sup>th</sup> September 2022	1day
Webinar- Healthcare Informatics	Study World College of Engineering, Coimbatore	1 <sup>st</sup> November 2022	1day
Webinar- Present and Future State-of-the-Art in Radar and Satellite Communications	Study World College of Engineering, Coimbatore	5 <sup>th</sup> November 2022	1day
Webinar- Career	Kumaraguru College of	11 <sup>th</sup> April 2023	1day

Opportunities in Communication Systems- Industry Perspective	Technology, Coimbatore		
Webinar- Cyber Security challenges for common man through Wind Turbine Generators	Institution of Engineers, Tiruchirappalli	11 <sup>th</sup> April 2023	1day
Webinar- Advancements and Opportunities in Defence Technology for Engineering/ Science Graduates	Kumaraguru College of Technology, Coimbatore	15 <sup>th</sup> April 2023	1day
Webinar- Performance of Industry Sector	Institution of Engineers, Tiruchirappalli	18 <sup>th</sup> April 2023	1day
Workshop-Cyber Security for Operational Technology Systems	Sri Krishna College of Technology, Coimbatore	24 <sup>th</sup> to 28 <sup>th</sup> April 2023	Five days
Webinar- Technical Paper Writing	Central Institute of Technology, Kokrajhar	29 <sup>th</sup> April 2023	One day
FDP-Education 5.0	Dr. M.G.R. Educational and Research Institute, Chennai	15 <sup>th</sup> to 19 <sup>th</sup> May 2023	Five days
FDP-Emerging Technologies for Next Generation Networks	Kings Engineering College, Chennai	17 <sup>th</sup> to 22 <sup>nd</sup> July 2023	Six Days
STTP- Breaking Boundaries in Healthcare: Futuristic Antenna Design for Telemedicine and Biomedical Applications using Artificial Intelligence	Care College of Engineering, Trichy	21 <sup>st</sup> to 25 <sup>th</sup> August 2023	Five days
Webinar-Machine Intelligence: Happenings, Hopes and Hypes	Study World College of Engineering, Coimbatore	31 <sup>st</sup> August 2023	One day
FDP-Signals and Systems	Bharathiyar Institute of Engineering for Women	13 <sup>th</sup> to 17 <sup>th</sup> September 2023	Five days
Webinar-Role of 5G in the Enhanced Communication of Wireless Sensor Networks	Study World College of Engineering, Coimbatore	22 <sup>nd</sup> September 2023	One day
Workshop-Machine Learning using Python	PET Engineering College, Vallioor	26 <sup>th</sup> September 2023	One day
Webinar-Environmental Sensor Technologies to Smart Cities	Institution of Engineers, Tiruchirappalli	31 <sup>st</sup> October 2023	One day
Webinar- Research Challenges in Bio Medical Antenna Design	Study World College of Engineering, Coimbatore	24 <sup>th</sup> November 2023	One day
Workshop-Antenna	CARE College of Engineering,	12 <sup>th</sup> to 16 <sup>th</sup>	Five days

Design Techniques for Various Applications	Trichy	December 2023	
STTP- Foundations and Frontiers: A Research Perspective on Deep Learning Applications	Vardhaman College of Engineering, Hyderabad	18 <sup>th</sup> to 22 <sup>nd</sup> December 2023	Five days
FDP-Modern Research Convergence in Next Generation Computing	Sri Krishna College of Engineering and Technology, Coimbatore	18 <sup>th</sup> to 22 <sup>nd</sup> December 2023	Five days
Webinar- Challenges and Opportunities for Microwave Antennas	QIS College of Engineering and Technology, Andhra Pradesh	12 <sup>th</sup> January 2024	One day
Webinar- Development of Medical Equipment	SRM Madurai College for Engineering and Technology, Sivagangai	16 <sup>th</sup> February 2024	One day
Webinar- Improving Software Quality: An Industrial Case Study	Study World College of Engineering, Coimbatore-	26 <sup>th</sup> February 2024	One day
Webinar- What's the future of generative AI?	Study World College of Engineering, Coimbatore	28 <sup>th</sup> February 2024	One day
FDP-Recent Trends and Challenges in Deep Learning for Advancing Computer Vision	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	26 <sup>th</sup> February to 1 <sup>st</sup> March 2024	Five days
FDP-Generative AI Models and Applications of Machine Learning	Shri Vishnu Engineering College for Women (A), Bhimavaram	21 <sup>st</sup> to 25 <sup>th</sup> May 2024	Six Days
ISTE Webinar- Generative AI	SRM Madurai College for Engineering and Technology, Pottapalayam	26 <sup>th</sup> July 2024	One day
FDP-Industrial Applications of Embedded Systems and IoT	Rajalakshmi Engineering College, Chennai	22 <sup>nd</sup> to 28 <sup>th</sup> August 2024	Six Days
Workshop-RF Networks and Antenna Designing for next generation Communication Systems	Vellore Institute of Technology, Chennai	25 <sup>th</sup> to 26 <sup>th</sup> September 2024	Two Days
Webinar-Machine to Machine Communication	Study World College of Engineering, Coimbatore	14 <sup>th</sup> October 2024	One day
FDP-Future-Ready Antenna Design: Cutting-Edge Solutions for 5G mm-Wave and Beyond	Vellore Institute of Technology, Chennai	14 <sup>th</sup> to 18 <sup>th</sup> October 2024	Five Days
FDP-Reconfigurable Intelligent Surfaces for 6G Wireless Communication: Fundamentals to Future Research Directions (ATAL)	National Institute of Technology, Tiruchirappalli	23 <sup>rd</sup> to 28 <sup>th</sup> December 2024	Six days

FDP-AI Driven Technology in VLSI Design for IOT Applications	Raj Kumar Goel Institute of Technology, Ghaziabad	30 <sup>th</sup> December 2024 to 6 <sup>th</sup> January 2025	Six days
FDP-Recent Therapeutic and Diagnostic Trends in Healthcare and Medical Technology (ATAL)	ATMIYA UNIVERSITY	10 <sup>th</sup> to 16 <sup>th</sup> January 2025	Six days
FDP-Microsoft Power BI Data Analyst (E&ICT ACADEMY)	Sadakathullah Appa College (Autonomous), Tirunelveli	20 <sup>th</sup> to 24 <sup>th</sup> January 2025	Five days

### 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
Microwave Engineering Concept and Application	Krishna Kumar. M Dr. A. Ananthi Christy S. Pricilla Mary Prof. Amruta Jagdish Killol	Deccan International Academic Publishers	ISBN-978-81-963714-4-9	06.05.2023
Food Nutrition and Health	Krishna Kumar. M & Abarna. S	GCS Publishers	ISBN – 978-81-967671-4-3	April 2024
Therapeutic Equipment	Mr. M. Krishna Kumar & Mrs. S. Pricilla Mary	Magnus Publications	ISBN – 978-81-972240-4-1	June 2024
Drone Technologies	Mr. M. Krishna Kumar & Mrs. S. Pricilla Mary	Sruthi Publishers	ISBN – 978-81-972803-8-2	August 2024
Miniaturized Patch Antenna Design for WBAN Applications	Pricilla Mary S, Krishna Kumar M & Jeyamalini S	Lambert Academic Publishing	ISBN – 978-620-7-63920-5	2024
Fundamentals of Health Care Analytics	Mr. M. Krishna Kumar Mrs. S. Pricilla Mary & Ms. S. Abarna	Magnus Publications	ISBN – 978-81-983558-0-5	January 2025

### Publications:

In Journals :

National : 0

International : 17

In Conferences :

National : 5

International : 13

**Any other relevant information:**

- Indian Patent Application No: 202141003159, “**Multiple Layered Communication with Optical Wireless Link using Integrated Wireless Sensor Networks**” 29<sup>th</sup> January, 2021
- Indian Patent Application No: 202041056676, “**IoT based Smart Device for Pollution Control and Traffic Management System**” 26<sup>th</sup> February, 2021
- Australian Patent Application No: 2021107057, “**Node discovery mechanism for IoT capillary Networks**” granted for 8 years from 24<sup>th</sup> August, 2021.
- Indian Patent Design No: 421476-001, “**Hybrid Electric Smart Pole**” 27<sup>th</sup> June, 2024
- Indian Patent Application No: 202441096716, “**Advanced Frequency Synthesizers For Enhanced Communication System Performance**” 13<sup>th</sup> December, 2024.
- Indian Patent Application No: 202441099751, “**Neural Network-Based Antenna Tuning For Improved Signal Quality In 5g Networks**” 20<sup>th</sup> December, 2024.

**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**