



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 |
| Total Teaching Experience | | | 12 Years and 9 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 |

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|--|---|--|--|---|
| | 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 Engineering College, TRP 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, Melathediyoore | 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 |
| 18 th April 2023 | Dr. G. U. Pope College of Engineering, Sawyerpuram | An automated Technique for Classification of RBC in Blood Smear image | | 6 th National Conference on Innovative Technologies in Engineering |
| 9 th 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 :

| 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 Antenna Miniaturization | R.Shantha Selva Kumari & M. Krishna Kumar | International Journal of Emerging Technology and Advanced Engineering (IJETA) | 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.Kanagasunda r, Mr. M. Krishna Kumar, Mr. J. Joe Paul & Ms. Lizza Lazar | The Standard International Journal Transactions on Computer Networks & Communication Engineering(CN CE) | | 2321-2403 | Mar-Apr 2014 |

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|---|--|--|---------------------|---|---------------|
| 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 |

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|--|--|--|------------------------------------|---|------------------|
| 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 :

| 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- | Chandy College of Engineering, Thoothukudi | 29 th June 2015 | 1 Day |

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| Revisiting Education Pedagogy | | | |
| 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 & Machine Learning | Vaagdevi College of Engineering, Hyderabad | 29 th & 30 th May 2020 | 2 Days |
| FDP- Angular and Business Intelligence | St. Joseph's Institute of Technology, Chennai | 30 th & 31 st May 2020 | 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 |

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| 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 |

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| 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 Research | Government College of Technology, Coimbatore | 21 st to 25 th June 2021 | 5 days |
| 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 |

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| 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 | Kumaraguru College of | 11 th April 2023 | 1day |

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| Opportunities in Communication Systems- Industry Perspective | Technology, Coimbatore | | |
| 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 |
| Workshop-Cyber Security for Operational Technology Systems | Sri Krishna College of Technology, Coimbatore | 24 th to 28 th April 2023 | Five days |
| Webinar- Technical Paper Writing | Central Institute of Technology, Kokrajhar | 29 th April 2023 | One day |
| FDP-Education 5.0 | Dr. M.G.R. Educational and Research Institute, Chennai | 15 th to 19 th May 2023 | Five days |
| FDP-Emerging Technologies for Next Generation Networks | Kings Engineering College, Chennai | 17 th to 22 nd 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 st to 25 th August 2023 | Five days |
| Webinar-Machine Intelligence: Happenings, Hopes and Hypes | Study World College of Engineering, Coimbatore | 31 st August 2023 | One day |
| FDP-Signals and Systems | Bharathiyar Institute of Engineering for Women | 13 th to 17 th September 2023 | Five days |
| Webinar-Role of 5G in the Enhanced Communication of Wireless Sensor Networks | Study World College of Engineering, Coimbatore | 22 nd September 2023 | One day |
| Workshop-Machine Learning using Python | PET Engineering College, Vallioor | 26 th September 2023 | One day |
| Webinar-Environmental Sensor Technologies to Smart Cities | Institution of Engineers, Tiruchirappalli | 31 st October 2023 | One day |
| Webinar- Research Challenges in Bio Medical Antenna Design | Study World College of Engineering, Coimbatore | 24 th November 2023 | One day |
| Workshop-Antenna | CARE College of Engineering, | 12 th to 16 th | Five days |

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

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| FDP-AI Driven Technology in VLSI Design for IOT Applications | Raj Kumar Goel Institute of Technology, Ghaziabad | 30 th December 2024 to 6 th January 2025 | Six days |
| FDP-Recent Therapeutic and Diagnostic Trends in Healthcare and Medical Technology (ATAL) | ATMIYA UNIVERSITY | 10 th to 16 th January 2025 | Six days |
| FDP-Microsoft Power BI Data Analyst (E&ICT ACADEMY) | Sadakathullah Appa College (Autonomous), Tirunelveli | 20 th to 24 th 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**” 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.
- Indian Patent Design No: 421476-001, “**Hybrid Electric Smart Pole**” 27th June, 2024
- Indian Patent Application No: 202441096716, “**Advanced Frequency Synthesizers For Enhanced Communication System Performance**” 13th December, 2024.
- Indian Patent Application No: 202441099751, “**Neural Network-Based Antenna Tuning For Improved Signal Quality In 5g Networks**” 20th 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