

## KARTHI KUMAR.R

### Assistant Professor III

Department of Electronics and Communication  
Engineering

Velammal College of Engineering and Technology, Madurai

### Mentor of Change, Atal Innovation Mission, Government of India

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### ❖ CAREER OBJECTIVE

To be in the field of academics as a teacher where I can use my skill and experience and thereby promote a positive atmosphere and higher quality education among children. With the help of my nature, constantly learn new things and which supports me to excel in my field of endeavor.

### ❖ ACADEMIC CHRONICLE

Qualification	Institution	University/ Board	Year of Passing	Percentage of Marks
Ph.D (Part –Time)	Sri Ramakrishna Engineering College, Coimbatore	Anna University, Chennai	Pursuing	9.13 CGPA (In Course Work)
M.E(VLSI Design)	Jansons Institute of Technology, Karumathampatti, Coimbatore	Anna University, Chennai	July 2013	8.35 CGPA
B.E. (Electronics and Communication Engineering)	Velammal College of Engineering & Technology, Madurai	Anna University of Technology, Tirunelveli	April 2011	79.14% (First Class With Distinction)
HSC	Ayira Vaisya Higher Secondary School, Paramakudi	State Board, Tamil Nadu	March 2007	78.08%
S.S.L.C	Ayira Vaisya Higher Secondary School, Paramakudi	State Board, Tamil Nadu	March 2005	85.80%

❖ **PROFESSIONAL EXPERIENCE [9 YEARS 9 MONTHS 27 DAYS]**

S.No.	NAME OF THE INSTITUTION	DESIGNATION/ DEPARTMENT	FROM	TO	EXPERIENCE Y/M/D
1.	Kumaraguru College of Technology, Coimbatore	Assistant Professor I/ECE	22/07/2013	31/05/2022	8 Years 10 Months 10 Days
2.	Kumaraguru College of Technology, Coimbatore	Assistant Professor II /ECE	01/06/2022	18/05/2023	11 Months 18 Days
3.	Velammal College of Engineering & Technology, Madurai	Assistant Professor III/ ECE	01/06/2023	Present	5 Days
Total Years of Experience					9 YEARS 9 MONTHS 27 DAYS

❖ **MENTOR OF CHANGE - NITI AAYOG, ATAL INNOVATION MISSION [1 YEAR 10 MONTHS]**

- ✓ Served as “**Mentor of Change**” – ATAL Innovation Mission, NITI Aayog, Government of India (**August 2021 – Till Date**)

❖ **INSTITUTIONAL RESPONSIBILITIES HELD [4]**

Period of Role	Year of Experience	Responsibilities held	Nature of activities for the betterment of the college.
01/06/2017 To 18/05/2023	5 YEARS 11 MONTHS 18 DAYS	FCLF Coordinator [OPEN ELECTIVE] – Institutional In charge/ Directorate of Academics	<ul style="list-style-type: none"> <li>✓ Role as Head of Open elective courses</li> <li>✓ Head in-charge of Board of Studies for OE courses</li> <li>✓ Team Coordinator in Curriculum framing</li> <li>✓ Assigning workload for Course handling faculty of Odd &amp; Even Semester</li> <li>✓ Budget Approval</li> <li>✓ Event Organizing</li> <li>✓ Field trip arrangement/Industrial trip arrangements</li> <li>Exam Coordinator</li> </ul>

01/06/2017 To 18/05/2023	5 YEARS 11 MONTHS 18 DAYS	Tamil Mandram, Faculty Coordinator – Institutional In Charge/ Office of Students Affairs	✓ Executive Committee Formation ✓ Budget Approval ✓ Event Organizing ✓ Guiding students to participate in inter college events
01/08/2017 To 18/05/2023	5 YEARS 9 MONTHS 18 DAYS	Nithilam (Tamil Research Forum) Faculty Coordinator – Institutional In Charge/ Office of Students Affairs	✓ Executive Committee Foramtion ✓ Budget Approval ✓ Event Organizing ✓ Guiding students to participate in inter college events
01/05/2022 To 18/05/2023	1 YEAR 17 DAYS	Institutional Curriculum Development Team R22 (Assessment Component)	✓ Development of R22 Curriculum ✓ Flexible and Competitive Assessment framework ✓ Visiting Reputed University and getting the input from them

#### ❖ FIELD OF INTEREST

- VLSI Design, Verilog and VHDL Programming
- Testing of VLSI Circuits
- Digital Electronics
- Electromagnetic Fields

#### ❖ PROFESSIONAL STRENGTHS

- **Practice Outcome Based Education**
- My greatest asset is my ability to motivate students
- Ability to learn quickly and easily understand diverse learning needs of students
- Ability to teach a current updating technology to the students

#### ❖ ACCOMPLISHMENTS

- Received “**Award of Merit for Institutional Development**” for AY 17-18 from Kumaraguru College of Technology, Coimbatore on 05<sup>th</sup> September 2018
- Got ***Department Topper*** in 2<sup>nd</sup> & 3<sup>rd</sup> Semester (P.G Degree) University examination with **8.35 SGPA, 8.6 SGPA (2011- 2013)**
- Regular Awards for **100% Attendance** from 2007-2011 – received from Velammal College of Engineering and Technology, Madurai
- **Won Third Place** in Multimedia contest conducted by Noorul Islam University on 3<sup>rd</sup> March 2010
- Participated in many colleges and School Level Quiz, Debate, Poem and Essay Competitions and received applaud

- Got **Best Firing** award in NCC Camp in the year 2003

#### ❖ SOFTWARE PROFICIENCY

Image Processing applications	Matrix Laboratory (MATLAB)
Digital Circuit Design	<ul style="list-style-type: none"> <li>• Xilinx vivado Design suite</li> <li>• Cadence Virtuoso</li> <li>• Microwind</li> <li>• Multisim</li> </ul>

#### ❖ SKILL SET

- Operating Systems & Software's : Windows Xp, Windows 7, Ms Word, Excel, Basic knowledge in Photoshop
- Others : Typewriting Junior grade (English)

#### ❖ PROJECT [2]

- **Post Graduate Degree Project**

**TITLE:** *"An Efficient Content Based Image Retrieval Using Tetra Patterns"*

**Description:**

To increase the retrieval rate and reduce the retrieval time of the database using Local Tetra Pattern

- **Under Graduate Degree Project**

**TITLE:** *"Wavelet-Domain Color Image Enhancement Using Filtered Directional Bases and Frequency-Adaptive Shrinkage"*

**Description:**

To reduce the noise in the image by using alpha map computation in the flat and edge region. After removing noise in the flat region, we further remove noise in the edge region by adaptively shrinking wavelet coefficients based on entropy

#### ❖ JOURNAL PUBLICATIONS [10]

<b>SCOUPUS INDEXED JOURNAL</b>	<b>8</b>
<b>JOURNALS</b>	<b>2</b>

- D.Allin Joe, R.Karthi Kumar, S.Umamaheswari , **"A Defected Ground Structure (DGS) Antenna for WiMAX Applications"** International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation(ICAECA, Published in IEEE Xplore on 20 January 2022
- Anoop Srivatsan Balaji, T.Lokitha, P.Swetha, R.Vishnu prabhakar, R.Karthi Kumar, **"Automatic Fish Feeding and Monitoring System for Aquarium using 555 Timers"** International Journal of Technical Research and Science(IJTRS) ISSN:2454-2024(online), Volume V Issue VI, June 2020
- P.Ramya, R.K.Kavin, R.Rathish, M.Satheeshkumar, R.Karthi Kumar, **"Accident Avoidance and Prevention System"** International Journal of Engineering Science and Computing(IJESC) ISSN:2321 -3361, Volume-10, Issue-5, May 2020
- D.Allin Joe, S.Umamaheswari, R.Karthi Kumar, **"A Multiband Patch Antenna for WiMAX and S Band RADAR Applications"** International Journal of Engineering

and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6S3, September 2019

- D.Allin Joe, R.Karthi Kumar, Sriram S.R, **“A Planar Inverted Feed Antenna for WiMAX and GPS Applications”** International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6S3, September 2019
- R.Karthi Kumar, D. Allin Joe, **“Behavioral Level Simulation Of Vedic Multiplier For Alu”**, Journal of Advanced Research in Dynamical and Control Systems (JARDCS), Issue 16, pp. 1231-1249, 2017.
- D. Allin Joe, P. Pavithra, and R.Karthi Kumar, **“Multiband Antenna Using Srr Structure For Lte, Radar, Ism And X-Band Applications”**, Journal of Advanced Research in Dynamical and Control Systems (JARDCS), Issue 16, pp. 1164-1173, 2017.
- Allin Joe D, Geethpriya S, Pavithra P, Karthikumar R, **“Design of Z Shape Microstrip Patch Antenna with I Slot for UHF and GPS Applications”**, International Journal of Pure and Applied Mathematics, vol.117, Issue 8, pp. 105-108, 2017.
- Allin Joe D, Karthikumar R, Pavithra P, **“A low Power Wireless Interaction System using IFDMA in ZigBee Communication”**, International Journal of Computer Sciences and Engineering, vol.5, Issue 6, pp. 245-249, 2017.
- Allin Joe D, Karthikumar R, and Pavithra P, **“An Energy Efficient, Reduced Interference Interaction System using ZigBee”** International Journal Of Advance Research And Innovative Ideas In Education (IJARIIE), vol. 3, Issue 3, pp. 2850-2855, June 2017

#### ❖ PAPER’S PRESENTED [7]

INTERNATIONAL CONFERENCE	2 Paper
NATIONAL CONFERENCE	5 Paper

#### ❖ INTERNATIONAL CONFERENCE [2]

- Presented a paper titled as **“Yazhliyin Thedal”** on International Conference titled as **INFITT – 17<sup>th</sup> International Tamil Internet Conference** organized at Tamil Nadu Agricultural University, Coimbatore during 06.07.2018 to 08.07.2018
- Presented a paper titled as **“An Efficient Content Based Image Retrieval Using Tetra Patterns”** on Conference titled as **“IECN’13”** Conducted by Adithya Institute of Technology, Coimbatore on 22<sup>nd</sup> & 23<sup>rd</sup> February 2013

#### ❖ NATIONAL CONFERENCE [5]

- Presented a paper titled as **“ Deign and Analysis of SRAM Cell Using 45nm and 90nm CMOS Technology”** on Conference titled as **“NCCNTH’17”** conducted by Jansons Institute of Technology, Coimbatore on 3<sup>rd</sup> March 2017

- Presented a paper titled as “**Frame Rate Up Conversion Using Trilateral Filtering**” on Conference titled as “NCONET’13” conducted by Jansons Institute of Technology, Coimbatore on 23<sup>rd</sup> February 2013
- Presented a paper titled as “**Content Based Image Retrieval Technique using Tetra Patterns**” on Conference titled as “NCCCIS-2013” Conducted by Sri Krishna College of Engineering and Technology, Coimbatore on 08<sup>th</sup> & 09<sup>th</sup> February 2013
- Presented a paper titled as “**Performance Analysis of Modified Radix-2<sup>5</sup> FFT Processor works Fast and Low Complexity for High Rate WPAN Applications**” on Conference titled as “NCETACS 12” conducted by Sasurie College of Engineering, Vijayamangalam on 12<sup>th</sup> April 2012
- Presented a paper titled as “**Estimation of Noise Reduction in Color Image Enhancement by Wavelet Based Frequency Adaptive Shrinkage Method**” on Conference titled as “CSPCT 11” conducted by Kamaraj College of Engineering and Technology, Virudhunagar on 26<sup>th</sup> March 2011

#### ❖ TEACHING

*\* The count values/no.of times offered mentioned in the square bracket*

<b>Handled theory courses</b> – Electromagnetic Fields [6], Transmission Lines and Waveguides [4], Measurements and Instrumentation [2], Computer Architecture [2], Medical Electronics [1], Testing of VLSI Circuits [1], Embedded Systems [2]
<b>Handled Lab courses</b> - Engineering Practices Lab [8], Electric circuits and Simulation Lab [4], Digital Electronics Lab [4], LIC Lab [3], Electron Devices Lab [2], VLSI Lab [8], Microprocessor Lab [2], Embedded Systems Lab [2]
<b>Student Feedback</b> – Above 80% in all courses, <b>Pass Percentage</b> – Above 85% in all Analytical & theory courses, 100% in all Lab courses
<b>Developed &amp; Prepared Course Material</b> for all above courses. <b>Prepared 200 Slides</b> for 25 hours lectures for Working Tamil for Engineers course [2018]
Designed a <b>Open elective course with guidance of Dr.S.A.Pasupathy</b> ,HOD/ECE - Working Tamil for Engineers
Designed <b>Electromagnetic Fields syllabus</b> for R14, R15, R17, R18 Curriculum
Designed <b>Electromagnetic Interference and Compatibility syllabus</b> for R18 Curriculum
<b>Prepared Lab manual &amp; Master Record for Electric Circuits and Simulation Laboratory</b> and Prepared Lab manual for LIC Lab, Engineering Practices Lab along with faculty.
Conducted <b>Social relevant Courses</b> and <b>Value-added courses</b> [GATE Coaching, Aptitude, Group Discussion]
<b>Conducted/Organized [11]:</b> Guest Lecture – 7, Workshops -2, National Conference – 2
<b>Resource person: 3 programs</b> at Sri Muthalamman Polytechnic College, Paramakudi

**Attended : FDP -7, Workshops -14 , Seminar -7 , Online FDP & Webinar's - 55, Industrial Training - 2, Online Training Program -3**

**Organized Field Trip for OE Course - Tamil Univesity, Tanjavur- News Published in the News paper Dhina Thanthi on 28.10.2018 & Published in Indian Express on 29.10.2018**

**❖ SPECIAL COURSE'S/ CERTIFICATION COURSE'S [3]**

NAME OF THE COURSE	DURATION	SPONSORED BY	CONDUCTED BY	AGGREGATE
Probability and Random Variables/ Processes for Wireless Communications	10 Hours [September to October, 2015]	Aricent	NPTEL and IIT Kanpur	58%
Business English Certificate Course [Vantage Level]	21 <sup>st</sup> October 2015	Nil	University of Cambridge	B1 Level
Qualified in Amateur Wireless Station License Call sign: <b>VU3KIE</b> LICENSE NO: <b>38022</b>	23 <sup>rd</sup> December 2015	Government of India	Ministry of Communication & IT	Restricted Grade

**❖ COORDINATED EVENTS [11]**

S.No.	NAME OF THE PROGRAMME	RESOURCE PERSON	TARGET AUDIENCE	DATE
1	Guest Lecture on "Embedded System Advanced modes and Peripherals"	Mr.V.S.Ramesh, Director, Steps Knowledge, Coimbatore	III year ECE	22.03.2019
2	Guest Lecture on "Applications on Electromagnetics"	Mr.Purusothaman Seetharaman, Sr.Scientist, ISRO, Dept of Space,	II Year ECE Students	March 18, 2017

		Govt. of India Bangalore -17		
3	IEEE SS12: International Project Competition and Maker Fair [Organizing Committee Member]	1.Prof.Bozenna Pasik University of Kansas, USA. 2.Mr.Harish Mysore Director, IEEE India Operations. 3.Shri.S.Purushothaman Senior Scientist, ISRO, Bangalore. 4.Ms.Keyana Tennant Program Manager, IEEE WIE. 5.Ms.Archana Devdas Design Strategist, Viamedia Strategy X Design.	Innovators, makers, Doers and Students from all over Asia and Middle East	September 26-27, 2016
4	Awareness Program on "IEEE Blended Learning in VLSI"	Mr.Damodhara Product Support and Sales Manager, IEEE Chapter Bangalore	III Year ECE Students	21 <sup>st</sup> July 2015
5	Awareness Program on "Cyber security related to mobile & web based cyber crimes"	Dr.Ramalatha Marimuthu HOD/IT KCT	IEEE Members IEEE Student Members	09 <sup>th</sup> April 2015
6	National Conference on "Innovations in Signal Processing, Embedded Systems and Communication Technologies (SPECT '15)"	1.Dr.V.K. Dadhwal Scientist & Director, National Remote Sensing Centre (NRSC), ISRO, Hyderabad. 2.Dr.P.Prakash M.E., Ph.D Associate Professor, Deputy Director (University Colleges), Anna University, CEG campus, Chennai.	Faculty Members, Research Scholars, Students	March 27, 2015
7	Guest lecture on "Tech Talk on Indian Innovations"	Mr.Praveen Kumar Thota Embedded Software Engineer,	II Year ECE Students	21 <sup>st</sup> February 2015



		Robert Bosch Engineering & Business Solutions, Bangalore		
8	Awareness Program on “GATE Exams”	Mr.A.Saravana Kumaran Director GATE Forum, Coimbatore	III Year ECE Students	03 <sup>rd</sup> July 2015
9	Awareness Program on “IEEE Membership”	Dr.Ramalatha Marimuthu HOD/IT KCT	III Year ECE I Year PG (CS, AE)	04 <sup>th</sup> December 2014
10	One day workshop on “Embedded system design using Arduino”	Mr.S.Vignesh Training and Learning Solutions Manager & Trainers from Tenere Technologies Pvt.Ltd, Perungudi, Chennai	III Year ECE Students	14 <sup>th</sup> August 2014
11	National Conference on “ Communication, Information and Telematics (CITEL’14)”	1. Dr.S.Venugopal outstanding scientist IGCAR , Kalpakam. 2. Dr.S.Ragavan Professor/ECE National institute of technology, Trichy	Faculty Members, Research Scholars, Students	13 <sup>th</sup> and 14 <sup>th</sup> March 2014

**❖ RESOURCE PERSON FOR SHORT TERM TRAINING COURSE [3]**

S.No.	Name of the Training Program	Name of the Institution	Date of Training	No.of days
1.	“Placement Training”	Sri Muthalamman Polytechnic College, Paramakudi	15.05.2014 to 17.05.2014	3 days
2.	“Career Guidance Training”		28.12.2013	1 day
3.	“VHDL and Verilog Programming Concepts and FPGA kit implementation using Xilinx software tool”		24.08.2013	1 day

❖ **PROFESSIONAL AFFILIATION [5]**

<b>PROFESSIONAL BODY</b>	<b>MEMBERSHIP NUMBER</b>	<b>MEMBERSHIP TYPE</b>
Institute of Electrical and Electronics Engineers (IEEE)	<b>92899812</b>	Member
The Institution of Engineers (India)	<b>AM1775440</b>	Associate Member
Indian Society for Technical Education (ISTE)	<b>LM94462</b>	Member
International Society for Research and Development (ISRDI)	<b>M4150902412</b>	Member
International Association of Engineers (IAENG)	<b>176772</b>	Member

❖ **PROFESSIONAL ACTIVITIES [2]**

<b>PROFESSIONAL BODY</b>	<b>REVIEWER ID</b>	<b>DURATION</b>
International Conference on Computational Science and its applications (ICCSA - 2018) on 16 <sup>th</sup> March 2018 at Sri.S.Ramasamy Naidu Memorial College, Sattur, Virudhunagar Dt.	National Advisory Committee	6 Months
International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC) on 28 <sup>th</sup> & 29 <sup>th</sup> January 2018 at Priyadharshini Engineering College, Vellore dt.	National Advisory Committee	6 Months

❖ **FACULTY DEVELOPMENT PROGRAM'S ATTENDED [7]**

- **“Enterprise & Entrepreneur Development”** held at Kumaraguru College of Technology, Coimbatore on 10<sup>th</sup> February 2020 to 22<sup>nd</sup> February 2020” sponsored by EDII Ahmedabad under the aegis of NSTEDB, DST, Government of India[ **2 week**]
- **“Digital VLSI Circuit Design”** at National Institute of Technology, Warangal on 3<sup>rd</sup> June to 12<sup>th</sup> June,2017 [**10 days**]- **Secured “A” Grade**
- Short Term Training Program on **“Pattern Recognition and Applications”** at Kumaraguru College of Technology, Coimbatore on 27<sup>th</sup> February to 2<sup>nd</sup> March, 2017 [**4 days**]
- **“Antenna Design and Measurement Techniques”** at SSN College of Engineering, Chennai on 1<sup>st</sup> December to 3<sup>rd</sup> December, 2016 [**3 days**]
- **“Signal Processing in Wireless Relay Network”** at Thiagarajar College of Engineering, Madurai on 12<sup>th</sup> May to 14<sup>th</sup> May ,2016 [**3 days**]

- **“Faculty Induction Program”** at Kumaraguru College of Technology, Coimbatore on 19<sup>th</sup>, 20<sup>th</sup> August and 22<sup>nd</sup> & 23<sup>rd</sup> August, 2013 **[4 days]**
- **“VLSI Design using Tanner EDA and Mentor Graphics Tools”** at Coimbatore Institute of Technology, Coimbatore on 13<sup>th</sup> & 14<sup>th</sup> August, 2013 **[2 days]**

❖ **INDUSTRIAL TRAINING PROGRAM’S ATTENDED [2]**

- **FDP on “IoT Applications using TI CC3200”** conducted jointly by Texas Instruments, Bangalore and STEPS Knowledge Services Pvt.Ltd., Coimbatore at Kumaraguru College of Technology, Coimbatore on 2<sup>nd</sup> May to 4<sup>th</sup> May, 2017 **[3 days]**
- Industry Training on **“Power devices and Aurix Microcontroller”** conducted by Infineon Technologies, Bangalore at Kumaraguru College of Technology, Coimbatore on 15<sup>th</sup> & 16<sup>th</sup> December 2016 **[2 days]**

❖ **ONLINE TRAINING PROGRAM’S ATTENDED [3]**

- **FDP on “Networking Simulation using Netsim Software”** conducted by Dellsoft Technologies Pvt. Ltd., at Kumaraguru College of Technology, Coimbatore on 3<sup>rd</sup> May 2017 **[1 day]**
- **“IEEE 802.11ax: Wireless Networking in High density WLANs”** conducted by IEEE Educational Society on 8<sup>th</sup> March 2017 **[1 Professional development hours]**
- **“Designing Medical Devices with Multiphysics Analysis”** conducted by IEEE Educational Society on 9<sup>th</sup> February 2017 **[1 Professional development hours]**

❖ **ONLINE FDP/WEBINAR ATTENDED [55]**

S.NO.	Attended/Participated	Topic/Title of the program	Details of the Organiser	Duration	
	Webinar / Training Course			From	To
1	ATAL - online FDP	INTERNET OF THINGS	NITTTR-CHANDIGARH	10-04-2020	14-04-2020
2	Webinar	Research Without Border and Faculty Development	Dr.NGP Institute of Technology in Association with MHRD-IIC	28-04-2020	28-04-2020
3	ONLINE QUIZ	Online Quiz on IPR	IPR CELL AND MHRD IIC, KCT	27-04-2020	27-04-2020
4	Webinar	Art of Writing Research Papers	Chennai Institute of Technology, Kundrathur	29.04.2020	29.04.2020

5	E-Session	"Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnessing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage"	MHRD's Innovation Cell	29.04.2020	29.04.2020
6	Leadership Talk	Leadership Talk	MHRD's Innovation Cell	02-05-20	02-05-20
7	Webinar	Use of Technology in Educational Content development	NPTEL lecture series	4.5.2020	4.5.2020
8	Webinar	Effective outreach, Effective engagement	KCT weekly forum	09-05-20	09-05-20
9	Webinar	Covid -19 Changing Challenges into opportunities. Continued Learning and role of tech in Academia	ELets Academy, Digital Learning, Coursera	08-05-2020	08-05-2020
10	Webinar	How to Overcome the lockdown pandemic	Chennai Institute of Technology	13.05.2020	13.05.2020
11	webinar	Mentor development " Building trust"	KLDA	18.05.2020	18.05.2020
12	webinar	Mentor development "Boundaries of realtionship"	KLDA	19.05.2020	19.05.2020
13	webinar	Mentor development "Time : Precious resource"	KLDA	20.05.2020	20.05.2020
14	webinar	Mentor development "Values & Social Intelligence"	KLDA	21.05.2020	21.05.2020
15	webinar	Mentor development "Communication Effectivley with Adolescents"	KLDA	22.05.2020	22.05.2020
16	webinar	Mentor development "How to build healthy relationships"	KLDA	23.05.2020	23.05.2020

17	webinar	Rx Food (The Alternative Medicine)	Sona College of Technology	25.06.2020	25.06.2020
18	Webinar	Yearn For Knowledge (Cheese, Chips & Chocolates for Happy Learning)	Sona College of Technology	26.06.2020	26.06.2020
19	Webinar	B2B (Begin to Breathe)	Sona College of Technology	27.06.2020	27.06.2020
20	Online FDP & Webinar Series	Digital Distruption - A business advantage	Sri Ramakrishna Engineering College, Coimbatore	15.06.2020	15.06.2020
21	Online FDP & Webinar Series	3D em Simulation using CST Studio Suite	Sri Ramakrishna Engineering College, Coimbatore	16.06.2020	16.06.2020
22	Online FDP & Webinar Series	Role of an engineer in next generation material management for manufacturing industry	Sri Ramakrishna Engineering College, Coimbatore	17.06.2020	17.06.2020
23	Online FDP & Webinar Series	Software Defined Networks	Sri Ramakrishna Engineering College, Coimbatore	18.06.2020	18.06.2020
24	Online FDP & Webinar Series	Digital Technologies including 5G for COVID-19 Containment	Sri Ramakrishna Engineering College, Coimbatore	19.06.2020	19.06.2020
25	Online FDP	Faculty Development Programme on Emerging Trends and advancements in Communication System-An Industrial Approach Topic: 3D Printing for Medical Application	SRMIST, Ramapuram campus, Chennai.	06.06.2020	

26		Connected IOT and Data platform		08.06.2020	
27		Deep learning model development with openVINO toolkit for computer vision		09.06.2020	
28				11.06.2020	
29		Recent Communication networks and models		12.06.2020	
30				13.06.2020	
31	Webinar	IEEE CAS Power for CMOS VLSI circuits	IEEE Student Branch Counselor  GSSSIETW Mysuru  Mysore Region Coordinator IEEE Bangalore Section	20.06.2020	
32	Online FDP	VLSI Recent Trends	IEEE Student branch Acropolis Institute of Technology & Research, Indore	25.06.2020	
33		Just a step to semiconductor world		27.06.2020	
34		EDA tools for VLSI applications		29.06.2020	
35	One Week Online FDP	Recent Trends in VLSI Design	Lakshmi Narain College of Technology & Science, Dept of ECE, Bhopal	22.06.2020	
36		Recent Trends in VLSI Design		23.06.2020	
37		Tunnel Field Effect Transistor - A novel nano scale device		24.06.2020	
38		Low Power VLSI Design		25.06.2020	
39		Matching Technique in Layout Design		26.06.2020	
40	Webinar	Social Network Analysis	Pantech Learning	30.06.2020	
41	Webinar		PSG Tech	01.07.2020	

42	ONLINE QUIZ	National level e-Quiz on Data Science	Dept. of CSE, RISE Krishna Sai Prakasam group of Institutions, Andrapradesh	04.07.2020	
43	ONLINE QUIZ	Awareness to combat COVID-19	Ballari Institute of technology and management, Ballari	04.07.2020	
44	FDP and Workshop	Future of Engineering Education and work in Post COVID -19 World	Chouksey Engineering College Bilaspur(CG), Lal Khadan, Masturi Road, NH-49, Bilaspur(CG)	06.07.2020	11.07.2020
45	Webinar Series	EMI/EMC	Kumaraguru International Centre for Artificial Intelligence and Robotics & Keysight Centre of Excellence on Wireless Technology & Robert Bosch Engineering and Business Solutions Private Limited (RBEI), Coimbatore	06.07.2020	10.07.2020
46	5-day Faculty Development Programme	Exploring the Nuances of Deep Learning for Research Applications - A Deeper Experience	Karunya Institute of Technology and Sciences.	13.07.2020	17.07.2020
47	Webinar	how to conduct online Assessment, Evaluation, Publishing for Unit test and Term Exam	Mastersoft ERP Solutions Pvt., Ltd	11.07.2020	

48	Webinar Series	Secret from the Master's for Entrepreneurs	League for Entrepreneurial Empowerment & Development by Kumaraguru Institutions	20.07.2020	
49				21.07.2020	
50				22.07.2020	
51				23.07.2020	
52				24.07.2020	
53	STC	VLSI Physical Desing using cadence Innovus Tools	Dept of ECE, St.Joseph College of Engineering, OMR Chennai 119	20.07.2020	24.07.2020
54	Webinar	Artificial Intelligence Techniques for Cognitive Radio	Dept of ECE, Kumaraguru College of Technology, Coimbatore	01.08.2020	01.08.2020
55	Online FDP	Recent Trends in IOT and Cyber Security	St.Joseph College of Engineering, Chennai	10.08.2020	14.08.2020

❖ **WORKSHOP'S ATTENDED [14]**

- **“Tamil Epigraphy corpus analysis”** organized by Department of Information technology, Kumaraguru College of Technology, Coimbatore on 29<sup>th</sup> September 2018 **[1 day]**
- IEEE APS Sponsored workshop on **“Seminar and poster session on antennas”** organized by Department of ECE, Kumaraguru College of Technology, Coimbatore on 17<sup>th</sup> August 2018 **[1 day]**
- **“RF System Design using Advanced Design System(ADS) and Electromagnetic Professional(EMPro)”** organized by Department of ECE,



Kumaraguru College of Technology, Coimbatore on 13<sup>th</sup> August 2018 to 14<sup>th</sup> August 2018 [2 days]

- IEEE ES sponsored short term training programme on **“Model Based VLSI System Design Using Matlab Simulink”** organized by Department of ECE at Kumaraguru College of Technology, Coimbatore on 29<sup>th</sup> November 2017 to 1<sup>st</sup> December 2017 [3 days]
- **“Intellectual Property Rights & Commercialization”** organized by Department of ECE, Department of Bio-tech & IPR Cell at Kumaraguru College of Technology, Coimbatore on 2<sup>nd</sup> to 4<sup>th</sup> November 2017 [3 days]
- **“Design and Testing of Antenna, Microwave Components using CAD-FEKO & VNA”** organized by Department of ECE at Kumaraguru College of Technology, Coimbatore on 06<sup>th</sup> & 07<sup>th</sup> October 2017 [2 days]
- **“ICT enablement in Choice Based Credit System and Outcome Based Education for Autonomous Higher Education Institutions”** at The Grand Regent (Ratna Regent), Coimbatore on 30<sup>th</sup> August 2017 [1 day]
- **“PCB Design and Fabrication”** organized by Department of ECE at Kumaraguru College of Technology, Coimbatore on 17<sup>th</sup> & 18<sup>th</sup> July 2017 [2 days]
- **“Antenna Simulation and Testing”** Conducted by Kumaraguru College of Technology, Coimbatore on 21<sup>st</sup> November 2015 [1 day]
- IEEE Authorship Workshop on **“How to Publish a Technical Paper with IEEE”** conducted by IIT, Madras on 20<sup>th</sup> August 2015 [1 day]
- **“MIMO OFDM and Physical Layer Aspects of LTE”** Conducted by Thiagarajar College of Engineering, Madurai on 18<sup>th</sup> December to 20<sup>th</sup> December 2014 [3 days]
- **“SCILAB”** conducted by Kumaraguru College of Technology, Coimbatore on 19<sup>th</sup> September 2014 [1 day]
- **“Hands on Training in ASIC/FPGA design flow using Mentor Graphics EDA Tool”** conducted by Sri Ramakrishna Engineering College, Coimbatore on 9<sup>th</sup> August to 10<sup>th</sup> August, 2012 [1 day]
- **“Robotics and Embedded System”** Conducted by Mepco Schlenk Engineering College, Sivakasi on 15<sup>th</sup> August to 16<sup>th</sup> August, 2009 [2 days]

❖ **SEMINAR'S / LECTURER'S ATTENDED [7]**

- Participated in the training program on **“Working Tamil for Engineer”** conducted by Tamil University, Tanjavur on 27<sup>th</sup> October 2018 [1 day]
- IEEE Research Interactions on **“mHealth for Primary care and Disaster Management”** at Government College of Technology, Coimbatore by Prof. Pradeep Kumar Ray, WHO Collaborating Centre on eHealth, University of New South Wales, Australia on 23<sup>rd</sup> October 2016 [1 day]
- Attended the distinguished lecturer's seminar on **“Antennas and Propagation”** conducted by SRM University on 28<sup>th</sup> June 2014 [1 day]
- Presented a paper titled **“Contrast Based Image Fusion Using Wavelet Packets”** conducted by Noorul Islam University, Nagercoil on 3<sup>rd</sup> March 2010 [1 day]
- Participated in a Special lecture titled **“Green and Safe Nuclear Power”** conducted by Velammal College of Engineering & Technology, Madurai on 2<sup>nd</sup> March 2009 [1 day]

- Participated in “**IDEAS**” a student project contest organised by ECE Association at Velammal College of Engineering & Technology, Madurai on 30<sup>th</sup> April 2008 [**1 day**]
- Participated in the National Seminar on “**Recent Trends in Communication Technologies- RETRIC’07**” conducted by Velammal College of Engineering & Technology, Madurai on 17<sup>th</sup> December 2007 [**1 day**]

#### ❖ **INDUSTRIAL VISIT/INPLANT TRAINING**

- Accompanying with students during Industrial Visit at **Cochin, Allapey, Bangalore & Mysore** on 07<sup>th</sup> September 2013 to 09<sup>th</sup> September 2013, 23<sup>rd</sup> August 2014 to 25<sup>th</sup> August 2014 & 10<sup>th</sup> October 2014 to 12<sup>th</sup> October 2014
- 6 day training at “**Millwright Engineering Private Ltd.,**” Coimbatore on 08<sup>th</sup> June 2009 to 13<sup>th</sup> June 2009

#### ❖ **EXTRA CURRICULAR ACTIVITIES**

- Student Member of IETE(Institute of Electronics and Telecommunication Engineering) from 2010-2011
- Student Member of ISTE(Indian Society for Technical Education) from 2008-2011
- Member of NSS from 2007 – 2009
- Member of Consumer Club during 2005 – 2006 and received the *appreciation award*
- Attended 10 days NCC Camp from 21.12.2002 to 01.01.2003
- **Grade ‘B’** Cadet in NCC from 2001-2003

#### ❖ **RESPONSIBILITIES HELD**

- **Class Tutor** for batch 2013 -2017 from June 2014 to March 2017 [**3 Years**]
- **Class Advisor** for batch 2013 – 2017 from April 2016 to May 2017[**1.1 Years**]
- **Class Advisor Assist & Mentor** for batch 2015 to 2019 from July 2016 to May 2019 [**3 Years**]
- **Class Advisor** for batch 2022 to 2026 from July 2022 to May 2023 [**11 Months**]
- Founder chairman of “**Saathaga Paravaigal**” a Non Government Organisation from 3<sup>rd</sup> August 2015 to till date
- Department level Infra in-charge from 2015 to 2017
- **Electron Devices Laboratory II Incharge** from December 2013 to May 2017 [Maintaining the stock , Keep clean, Motivate the students to do additional experiments, Faulty equipments are serviced on a regular basis]
- Actively involved in NBA, NAAC, ISO, UGC, AICTE and Anna University Accreditations.
- Actively involved in curriculum designed for Regulation 2014 & Regulation 2015
- **Active Involvement in** Various Clubs like “**Namathu Pangu, Tamil Mandram, NSS, & IQube**” during Academic Year 2013-2014, 2014-2015, 2015-2016 & 2016- 2017
- **Department ISO Coordinator** during Academic Year 2014-2015, 2015-2016 & 2016- 2017

- **Department IEEE Coordinator** during Academic Year 2014-2015 & 2015-2016
- **Department NBA Criteria 6,7 & 8 Co-Coordinator** during Academic Year 2013-2014, 2014-2015 & 2015-2016
- **Organizing Secretary** of National Conference on **“Innovations in Signal Processing Embedded systems and Communication Technology- SPECT 2015”** Organized at Kumaraguru College of Technology, Coimbatore on 27<sup>th</sup> March 2015
- **Workshop Coordinator** of One day Training Program on **“Embedded System Design using Arduino”** Organized at Kumaraguru College of Technology, Coimbatore on 14<sup>th</sup> August 2014
- **Organizing Secretary** of National Conference on **“Communication, Information and Telematics-CITEL 2014”** Organized at Kumaraguru College of Technology, Coimbatore on 13<sup>th</sup> and 14<sup>th</sup> March 2014
- **Class Representative** in the period 2012 -2013
- **Joint Secretary** of IETE Students’ chapter in the period 2010 – 2011
- **Overall Co-ordinator** of various **“Cultural activities, Department functions, College functions”** in the period 2007 – 2011, organised by Velammal College of Engineering and Technology, Madurai
- **Co-ordinator of Exhibition Committee** in various programs like **“Nuclear Awareness Festival”, “Lequiz”, “Science Utsav”** conducted by Velammal College of Engineering & Technology, Madurai
- **Co-ordinator of Various Committee** in various programs like **“RETRIC ’07,09,10”, “RACE ’08,09,10”** organized by ECE Department
- **Hostel Secretary** in the period 2007 – 2008

#### ❖ PERSONAL DETAILS

- Father’s Name : Mr.A.RAMAMOORTHY
- Date of Birth : 19 June 1990
- Gender : Male
- Linguistic Abilities : Tamil, English
- Nationality : Indian

**(R. KARTHI KUMAR)**