


## *Faculty Profile*

A1	Personal Details	
Prof.A.ARUN		
Assistant Professor		
Department of Electronics and Communication Engineering		
Knowledge Institute of Technology		
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A2	Areas of Interest	Electronic Circuits , Image Processing
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A3	Subject Taught	
Electronic Circuits I	VLSI Technology	
Electronic Circuits II	Electronic Devices	
Electric Circuits and Electron Devices	Cellular Mobile Communication	
Electronics and Microprocessors	Analog Electronics I & Analog Electronics II	
Analog communication	Computer Architecture and Organization	
Embedded System Design		
Digital Image Processing		

A4	Academic Background			
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D.(ICE)	Digital Image Processing	Kongu Engineering College, Perundurai	Anna University, Chennai	Pursuing
M.E.	Applied Electronics	Government College Technology, Coimbatore	Anna University, Chennai	2013
B.E.	Electronics and Communication Engineering	V.L.B.Jankiammal College of Engineering and Technology, Coimbatore	Anna University, Chennai	2010
D.ECE	Electronics and Communication Engineering	Thiagarajar Polytechnic College, Salem	State Board	2007

A5		Work Experience as on Jun 2019					
Name of the Institution		Position		From		To	
Knowledge Institute of Technology, Salem		Assistant Professor		June 2018		Present	
M.Kumarasamy College of Engineering, Karur		Assistant Professor		June 2013		May 2018	
Pavendar Polytechnic College, Thalaivasal		Lecturer		June 2011		August 2011	
Total Experience	9.6 Years	Teaching	9.6 Years	Research	4.9Years	Industry	-

A6		Research Publications				
Total Number of Publications		International Journal	National Journal	International Conference	National Conference	Total
		4	NIL	3	1	8
Publications (Journals)						
1	A.Arun,S.Arulpriya, “Retrieval Using Modified Hashing Algorithm”, International Journal of Pure and Applied Mathematics, ISSN: 1314-3395, 2609-2617, Volume: 120(6) , July 2018					
2	A.Tamilselvan,A.Arun, “An Efficient MAC Design for Image Processing Application”, International Journal of Science and Technology, ISSN : 0974-6846, 0974-5645, Vol 11(19), DOI: 10.17485/ijst/2018/v11i19/123226, May 2018					
3	V. Jamuna*, P. Gomathi and A. Arun, "Design and Implementation of FIR Filter Architecture using High Level Transformation Techniques", International Journal of Science and Technology, ISSN : 0974-6846, 0974-5645 Vol 11(17), DOI: 10.17485/ijst/2018/v11i17/122769, May 2018					
4	Arulpriya.S, Arun.A," Analysis of CAM cell for minimum number of transistor count", International Journal of Pure and Applied Mathematics, ISSN: 1311-8080,Vol 118 / 20 /Mar - 2018					
National Conferences						
1.	National Conference: Content Based Image Retrieval Using Perceptual Hashing Algorithm on 26 march 2013 in Nehru Institute of Engineering and Technology					
International Conferences						
1.	International Conference: Design challenges and complexities in silicon photonics on 27thFeb 2015 in Sastra University.					
2.	International Conference: Cascaded H-Bridge Multi-Level Inverter Utilizing transformers with Single DC Source on 13 Feb 2015					
3.	International Conference: Retrieval Using Modified Hashing Algorithm on 13 March 2018 in K Ramakrishnan College of Engineering ,Trichy					

<b>A 07</b>	<b>Memberships in Professional Bodies</b>
<b>S.No.</b>	<b>Name of the Professional Body</b>
1	Life Member of Indian society of Technical Education(ISTE)
2	Member of International Association of Engineers (IAENG:176683)

<b>A 08</b>	<b>Training Programmes Attended</b>
1.	Two Days Workshop at BIT on <b>Deep Learning and healthcare informatics</b> on 22.12.17 & 23.12.17
2.	Two Days National Workshop on <b>Medical image Analysis and informatics</b> at Kongu Engineering College.
3.	SERB Sponsored one day workshop at Kongu Engineering college on 13.12.16
4.	2 Days workshop on <b>Image processing Theory and applications of Wavelet</b> in Kongu Engineering College, Perundurai from 08.08.2016 to 09.08.2016
5.	2 Days workshop on <b>Brainwave control Robotics</b> in NIT,Trichy from 06 Feb 2016 to 07 Feb 2016
6.	3 days National workshop on <b>Biomedical signal acquisition and conditioning</b> ,2015 at amrita school of engineering from 17th dec to 19th dec 2015
7.	4 Days <b>Intel</b> Training Program at M.Kumarasamy College of Engineering,Karur
8.	One Day Interactive seminar on <b>Application of MATLAB &amp; SIMULINK in Signal and Image Processing</b> association with CoreEL Technologies in K.S.R Institute for Engineering & Technology on 07.08.2014
9.	TEQIP II sponsored one Workshop on <b>Challenges and Issues in solar Energy Technology</b> in P.S.G College of Technology on 12.07.2014
10.	ISTE & SRM sponsored 6 Days Short Term Training Programme on <b>Real Time Signal Processing using Digital Signal Processor(RTDSP'14)</b> in Annamalai University from 19.05.2014 to 24.05.2014
11.	6 Days FDP programme on <b>EFFECTIVE COMMUNICATION</b> in M.Kumarasamy College of Engineering and Technology from 05.05.2014 to 10.05.2014
12.	Two Days National Workshop on <b>GRAPHICAL SYSTEM DESIGN</b> using LABVIEW in K.S.R College of Technology from 25.02.2014 to 26.02.2014
13.	13 Days FDP on <b>Communicative English</b> in M.Kumarasamy College of Engineering and Technology from 04.02.2013 to 16.12.2013
14.	Two Days Workshop on <b>Image processing using MATLAB</b> in Kongu college of Engineering from 27.09.2013 to 28.09.2013

15.	Attended the Fourteen days' workshop on <b>Pedagogy for Online and Blended Teaching-Learning Process</b> organised by IIT Bombay.
16.	Completed 12 weeks online certification course by NPTEL from July 2018 to Oct 2018 titled on <b>Digital Image Processing</b> . This course is also approved for Faculty Development Programme (FDP) by AICTE.
17.	Completed AICTE approved Faculty Development Programme(FDP201x) on <b>Pedagogy for Online Teaching Learning Process</b> conducted by Indian Institute of Technology Bombay from October 30, 2018 to Decemeber 13, 2018.
18.	Participated workshop on <b>"One day Workshop on eSim, a First Course in the IoT Series for Teachers"</b> organised by the Teaching Learning Centre ICT at IIT Bombay held at Knowledge Institute of Technology, Kakapalayam on 21 September 2019.
19.	Attended workshop on <b>"Enhancing Teaching Learning Skills"</b> organised by HRD CELL & IQAC of Knowledge Institute of Technology, Kakapalayam during 5th - 7th November 2019.
20.	Completed 12 weeks online certification course by NPTEL from July 2019 to Oct 2019 titled on <b>"Introduction to Internet of Things"</b> is also approved for Faculty Development Programme (FDP) by AICTE.
21.	Participated workshop on <b>"One day Workshop on R"</b> organised by the Teaching Learning Centre ICT at IIT Bombay held at Knowledge Institute of Technology, Kakapalayam on 9 November 2019.
22.	Participated in the Online Webinar organized by Atal Incubation Centre-Pondicherry Engineering College Foundation titled <b>"How to Conduct Online Class to Students"</b> followed by an online Examination conducted on 08-04-2020 and secured "S" Grade.
23.	Attended Two-Day FDP on Virtual Teaching conducted by CIT - TLC on April 20 & 21, 2020 through online mode
24.	Participated in Webinar series on <b>"EXPLORING OUTCOME BASED EDUCATION (OBE) AND NBA PROCESS"</b> from 07-05-2020 to 13-05-2020
25.	Completed the Online certification skill development program on ASIC - Physical Design and Verification using Mentor toolset held from 7th May to 9th May 2020, by Sandeepani School of Embedded System Design, Bangalore
26.	Attended One-Day Hands - on - Training on Deep Learning with MATLAB conducted by CIT - TLC on May 26, 2020 in association with Math works through online mode
27.	Completed a certificate on <b>"Step into Robotic Process Automation"</b> during GUVI's RPA SILL-A-THON 2020.
28.	Participated in Webinar on <b>"Introduction to IOT and its Applications"</b> organized by Department of ECE, K.S.R College of Engineering on 27.06.2020.
29.	Completed a short course on <b>"Learn to Design your own Solar Home System"</b> . The certificate has been awarded as a part of Energy Literacy Drive of the Energy Swaraj Foundation in association with Knowledge Institute of Technology

30.	Participated in Webinar series on “ Everyone Can Do Quality Research – Talk-01 : Instrumentation for research in Thermal Engineering” on 04.07.2020
31.	Participated in Webinar series on “Time to protect ourselves from Covid’19” organized by staff club-Knowledge Institute of Technology and Knowledge Business School, Salem on 05.07.2020
32.	Participated in Webinar series on “ Everyone Can Do Quality Research – Talk-03 : “A General Perspective on CFD Research” on 09.07.2020
33.	Participated in Webinar series on “ Everyone Can Do Quality Research – Talk-04 : “From Research and Technology Innovation to Entrepreneurship” on 16.07.2020
34.	Participated in Webinar series on “ Everyone Can Do Quality Research – Talk-06 : “The art of writing Quality Research paper, publishing in reputed journals and getting more citations” on 30.07.2020
35.	Participated in Webinar series on “ Everyone Can Do Quality Research – Talk-08: “My Research Journey” on 13.08.2020
36.	Participated five days ATAL online FDP on “Artificial Intelligence” organized by CIT, Coimbatore from 05.10.2020 to 09.10.2020.
37.	Attended five days ATAL FDP on “Internet of Things” by Thiagarajar College of Engineering, Madurai from 19.10.2020 to 23.10.2020.

<b>A 10</b>	<b>Awards&amp; Recognitions</b>
<b>S.No</b>	<b>Name of the Award</b>
1.	Received Cash Award from College MKCE (2016) for providing 100% result.
2.	Received Cash Award from College MKCE (2016) for Placement Coordination.
3.	Received appreciation award for Texas Instruments Innovation Challenge India Design Contest 2019
<b>A11</b>	<b>As A Mentor</b>
1.	Submitted a Project Proposal for <b>Texas Instruments Innovation Challenge India Design Contest 2019</b> Titled <b>Automatic speed control against alcohol detection.</b>
	<b>Projects Guided – UG</b>
1.	Image segmentation and enhancement for Medical Images
2.	Hybrid health monitoring system using IOT
<b>A12</b>	<b>Programs Organized</b>
1.	Organized Special Lecture on 2016 for II year students titled on <b>ANALOG ELECTRONICS in MKCE.</b>
2.	Organized one day Hands on Training Programme on <b>Basics of LabVIEW</b> in 2017 for III YEAR students.
3.	Organized Special Lecture on 2017 for III year students titled on <b>APPLICATIONS OF VLSI DESIGN in MKCE.</b>

4.	Organized one day workshop on <b>Applications of Digital Image Processing</b> in 2018 for III YEAR students.
<b>A13</b>	<b>Highlights of Major Contributions</b>
	<b>At Department Level</b>
1.	Motivate and Counsel the student to Achieve their goal.
2.	Member in the student performance monitoring in the college.
3.	Department Data base Incharge ( 2010 - Till Date)
4.	Class Advisor ( 2012-2016 Batch, 2015-2019 Batch, & UG 2018-2022 Till date)
5.	Department ERP In charge ( 2019 - Till date )
6.	Department Exam cell Incharge ( 2018 - 2019 )
7.	Department level coordinator(Refreshment & Food arrangement)
<b>A15</b>	<b>Other interests</b>
1.	Interested in content writing, Documentation and Technical writing