

Name	UDHAYAKUMAR M			
Department	ECE			
Qualification	B.E., M.E.,			
Area of Specialization	VLSI DESIGN			
Date of Joining (KSR IET)	01.06.2018			
Experience (as on 01.06.2020)	Teaching: 9Y	Industry: NIL	Others: - NIL	
Number of Papers Published	National Journals : - International Journals : 09			
Number of Papers Presented	National Conferences : 07 International Conferences : 02			
Books Published	National Publisher : - International publisher : -			
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Publications (International Journals)

1. Published a paper in International Journal for Scientific Research and Development on 'Low Power high Speed Estimated Reconfigurable Multiplier for Multimedia Signal Processing', Volume: 06 Issue: 12 | Feb 2019.
2. Published a paper in International Research Journal of Engineering and Technology on 'Comparative Analysis of OOK, BPSK, DPSK and PPM Modulation Techniques for Intersatellite Free-Space Optical Communication', Volume: 06 Issue: 02 | Feb 2019.
3. Published a paper entitled "A Study on the effect of Motivational Factor of Employees among Engineering Students" in International Journal for Scientific Research & Development (IJSRD) in June 2017.

4. Published a paper entitled “An Overview of Effect of Motivational Attribute among Engineering students” in International Journal for Science and Advance Research in Technology (IJSART) in April 2017.
5. Published a paper entitled “Server Room Environment Monitoring system using IOT” in International Journal of Intellectual Advancements and Research in Engineering Computations (IJIAREC’17) in 2017.
6. Published a paper entitled “Survey of Motivational Attributes on Job Security among Engineering Students” in International Journal for Science and Advance Research in Technology (IJSART) in May 2017.
7. Published a paper entitled “The Role of Motivation on Employee Performance in an Organization” in International Journal of Scientific Research in Computer science, Engineering and Information Technology (IJSRCSEIT) in May 2017.
8. Published a paper entitled “Precision Robotic Displacement using FPGA” in International Journal of Engineering & Technical Research (IJETR) volume 02 Issue 04 (April 2014) paper ID – IJETR/02/1641.
9. Published a paper entitled “Server Room Environment Monitoring system using IOT” in International Journal of Intellectual Advancements and Research in Engineering Computations (IJETR) volume 05 Issue 01 (2017).

Publications (National Journals)

Nil

Publications (International Conferences)

1. Presented a paper on the title “Server Room Environment Monitoring system using IOT” in the International Conference ICRIETM’17 at Nandha Engineering College, Erode in 2017.
2. Presented a paper on the title “Server Room Environment Monitoring system using IOT” in the International Conference ICRTEST’17 at Sri Ramathan Engineering College, Tiruppur in 2017.

Publications (National Conferences)

1. Presented a paper on the title “Secure Trust Clustering OLSR using malicious node Identification based on node grouping in MANETs” in the National Conference at Cheran College of Engineering, Karur in 2017.
2. Presented a paper on the title “Smart Irrigation System Using GSM” in the National Conference at Cheran College of Engineering, Karur in 2017.
3. Presented a paper on the title “Avoiding AMD using Photo Detector in Bio – Retina by Nano Technology” in national Level Conference NCACIS’14 at Nandha Engineering College, Erode in 2014.
4. Presented a paper on the topic “Implementation of Region Based Compression and Image Enhancement Scheme for Medical Image” in national Conference NCVPS’11 at MET’s School of Engineering, Kerala in 2011.
5. Presented a paper on the topic “Analysis and VLSI Implementation of Hard Decision Viterbi decoding Algorithm”, in the National Conference on control and power Engineering CAPECON at Hindustan College of Engineering and Technology, Coimbatore in 2011.
6. Presented a paper on the topic “Analysis and VLSI Implementation of Hard Decision Viterbi decoding Algorithm”, in the National Conference on Advances in Communication & Computing (NCACC) at Karpagam College of Engineering, Coimbatore in 2010.
7. Presented a paper on the topic “Analysis and VLSI Implementation of Hard Decision Viterbi decoding Algorithm”, in the National Conference on VLSI, Communication & Computation (NCVCC’10) at Maharaja Engineering College, Coimbatore in 2010.

PROGRAMMES ATTENDED (Seminar/ Workshop/ FDP / STTP others)

S. No.	Name of the Programme	Place	Period
1	STTP on “Video Processing using open CV and Python”	IRTT	2020
2	Webinar on “Specific Designs with Altera Quartus II”	Nandha College of Technology	2020
3	Faculty Development Programme on “Computing and Signal Processing in IOT Applications”	QIS College of Engineering and Technology	2020
4	Workshop on “Renewable Energy: Application and Entrepreneurship”	SSBT College of Engineering and Technology	2020
5	Webinar on “Building AI chatbot using Python and Data Science with NLTK	Christ the King Engineering College	2020
6	Webinar on “Real time Product based opportunities in New normal”	Crescent Institute of Science and Technology	2020
7	Webinar on “The Incredible Power of an Opportunity: Start Up	Karpagam College of Engineering	2020
8	Webinar on “Virtualization in Cloud Computing	Dhanalakshmi Srinivasan College of Engineering	2020
9	Online Course on “Artificial Intelligence in Fuzzy Logic and Bayesian Networks”	Hindhustan College of Arts and Science	2020
10	International Webinar on “Computer Vision Vs Human Vision”	KSR College of Arts and Science	2020
11	Seminar on “Agile Methodologies”	Mahendra Engineering College	2020
12	Webinar on “IOT”	Mohd. Sathak Engineering College	2020
13	Webinar on “Computational Electromagnetic’s – Introduction and Challenges”	Nandha College of Technology	2020
14	Webinar on “Robotic Process Automation”	Nehru Arts and Science College	2020
15	Faculty Development Programme on “Fuzzy Sets and Systems”	Patrician College of Arts and Science	2020
16	Webinar on “Augmented Reality and Extended Reality”	PSG College of Technology	2020
17	Webinar on “ Computer Networking in Action using Wireshark”	RVS College of Engineering and Technology	2020
18	Webinar on “Fundamentals of Share Trading”	PSG College of Arts and Science	2020
19	Webinar on “Artificial Intelligence &	Segunthar College of	2020

	Machine Learning using Python”	Engineering	
20	Online Course on “Verbal Proficiency”	Sri Krishna College of Arts and science	2020
21	Webinar on “Machine Learning for Medical Image Analysis”	Sri Ranganathar Institute of Engineering and Technology	2020
22	Webinar on “Earthquake Geology and Related Hazards”	Dr. S. & S.S. Ghandhy Govt. Engineering College, Surat	2020
23	Faculty Development Programme on “Digital Signal Processing”	PSG Institute of Technology and Applied Research	2019
24	Training Programme on JIO FFTx technical lab setup	Reliance corporate IT Park	2018
25	T2P Lecture on Microwave Engineering Applications and Measurement challenges	Dr. N.G.P Institute of Technology, Coimbatore	2018
26	Faculty Development Programme on “Principles of Digital Signal Processing”	K.S.R Institute for Engineering and Technology	2017
27	Faculty Development Programme on “Embedded & Real time systems”	Excel Engineering College	2017
28	One Day National Level Workshop on “Network Simulator – 2”	K.S.R College of Engineering	2017
29	Faculty Development Programme on “Role of Employees in the Development of an Institution”	Maharaja Engineering College	2013
30	Employment Enhancement Programme	Maharaja Engineering College	2012
31	One Day National Level Workshop “Neural Network and its Application”	Karpagam Institute of technology	2010
32	Three Days National Level Workshop on Mat lab/Simulink for Image Processing and its Applications	Karpagam College of Engineering	2010

PROGRAMMES ORGANIZED (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No.	Name of the Programme	Type of Programme	Period
1.	National level conference on Recent trends in Electrical, communication & computation NCRTECC'17	Conference	2017
2.	National level Technical Symposium e-Ventura'17	Symposium	2017
3.	National level Technical Symposium e-design'12	Symposium	2012

Subject Links

1. Digital Signal Processing
 - [Digital Signal Processing](#)
 - [Discrete Time Signals](#)
 - [Discrete Time Systems](#)
 - [Sampling Theorem](#)
 - [Multirate DSP](#)
 - [Adaptive Filters](#)
2. VLSI Design
 - [IV characteristics of MOSFET](#)
 - [Non Ideal effects](#)
 - [Arithmetic units](#)
 - [Sequential logic circuits](#)
 - [Implementation strategies](#)