

Name	UDHAYAKUMAR M			
Department	ECE			
Qualification	B.E., M.E., M.B.A., (Ph.D.)			
Area of Specialization	VLSI DESIGN, COMMUNICATION SYSTEMS			
Date of Joining (KSR IET)	01.06.2018			
Experience (as on 01.03.2023)	Teaching: 11Y 7M	Industry: NIL	Others: - NIL	
Number of Papers Published	National Journals : Nil International Journals : 10			
Number of Papers Presented	National Conferences : 08 International Conferences : 04			
Books Published	National Publisher : Nil International publisher : 01			
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Publications (International Journals)

1. Published a paper in International Journal of Intellectual Advancements and Research in Engineering Computations on “Cold Supply Chain Risk Monitoring and Safety alerting System Using IoT”, Volume: 10 Issue: 02 | June 2022. ISSN: 2348-2079.
2. 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.
3. 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.
4. 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.

5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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. Challenges and Opportunities for Innovation in New Normal Scenario on “Wild Animal Repellent in agriculture field using IOT”
2. Challenges and Opportunities for Innovation in New Normal Scenario on “Driver Drowsiness Detection”
3. 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.
4. Presented a paper on the title “Server Room Environment Monitoring system using IOT” in the International Conference ICRTEST“17 at Sri Ramanathan 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 “Developing Authentic Constructivist E-Learning Environments” in national Level ISTE at Maharaja Engineering College, Avinashi in 2012.
5. 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.
6. 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.
7. 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.
8. 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.

ONLINE CERTIFICATION

S. No.	Course	Conducted by	Date	Grade
1.	Digital Circuits	NPTEL	Jul – Oct 2022	55
2.	Accreditation and Outcome based Learning	NPTEL	Aug – Oct 2022	58
3.	CMOS Digital VLSI Design	NPTEL	Feb – Apr 2019	46
4.	ADVANCE IN FOREST REMOTE SENSING	ISRO	Mar 5-13 2019	COMPLETED

Programmes Attended (Seminar/ Workshop/ FDP / STTP others)

S. No	Name of the Programme	Type of the Program	Organised by	Period
1.	Block Chain Technology	Conference	KSRCT & NIT	2023
2.	IP Awareness Training Programme	FDP	NIPAM, Govt of India	2023
3.	Latest Research in Nano Composites, Computational Physics, Cyber security	Webinar	Educare, Taiwan	2023
4.	Effective Methodology for Research paper writing	Webinar	V.S.B. Engineering College	2023
5.	Recent Trends in VLSI Design	FDP	QIS College of Engineering & Technology	2023
6.	Embedded System Design using Intel SoC FPGA's	FDP	SSN College of Engineering	2022
7.	Machine Intelligence	FDP	ATAL	2022
8.	National Level FDP on Matlab Tools & Applications	FDP	Babu Banarasi Das Northern India Institute of Technology	2021
9.	Blooms Taxonomy - Higher Order Thinking Skills in ECE - "Digital Signal Processing"	FDP	Saveetha Engineering College	2021
10.	Evolution of IoT and It's Real Time Applications	FDP	Malla Reddy Institute of Technology	2021

11.	Renewable Energy: Application & ENtrepreneurship	Workshop	College of Engineering & Technology , Jalgaon	2020
12.	Computing and Signal Processing in IOT Applications	FDP	QIS College of Engineering & Technology	2020
13.	Video Processing using open CV & Python	STTP	IRTT	2020
14.	Principles of Digital Signal Processing	FDP	P.S.G Institute for research and science	2019
15.	JIO FFTx technical lab setup	Workshop	Reliance corporate IT Park	2018
16.	Microwave Engineering Applications and Measurement challenges	Workshop	Dr. N.G.P Institute of Technology, Coimbatore	2018
17.	Principles of Digital Signal Processing	FDP	K.S.R Institute for Engineering and Technology	2017
18.	Embedded & Real time systems	FDP	Excel Engineering College	2017
19.	Network Simulator – 2	Workshop	K.S.R College of Engineering	2017
20.	Role of Employees in the Development of an Institution	FDP	Maharaja Engineering College	2013
21.	Neural Network and its Application	Workshop	Karpagam Institute of technology	2010
22.	Mat lab/Simulink for Image Processing and its Applications	Workshop	Karpagam College of Engineering	2010

Book Published

S. No.	Title of the Book	Published by	ISSN No.
1.	Electronic Devices and Circuits	Scientific Public International house	9789357570343

Resource Person

S. No.	Title of the Program	Institution	Date
1.	Innovations in Digital Systm Design	Annapoorna Enginerring College	23.12.2023
2.	Recent Trends in Digital Systm Design	Adhiyamaan College of Arts and Sceince	01.03.2023

Industry Training Undergone

S. No.	Name of the Program	Institution	Date
1.	Digital Marketing	NSE Academy under Naan Mudhalvan	13.02.2023 – 17.02.2023
2.	JIO FFTx technical lab setup	Reliance corporate IT Park	2018

Patent Filled

S. No.	Title	Filed Date Patent number	Published Date
1.	The Novel routing Protocol for efficient network topology in smart grid Infrastructure	17/10/2022 & 202231059317 A	21/10/2022
2.	An Artificially Intelligence System For Monitoring and Preventing Dryness in Plants	13/09/2022 & 202241052122 A	23/09/2022
3.	A System and Method of Pesticides Detection in Fruits and Vegetables	28/07/2020 & 202041032225 A	21/8/2020

Training Offered

S. No.	Name of the Course	Class/Batch	Date
1.	VAC on PCB Design	II year & 2021-2025	10.08.2022 – 12.08.2022

Membership in Professional Bodies - -

- International Association of Engineers