


A1	Personal Details	
S.Manoharan		
Assistant Professor		
Department of Electronics and Communication Engineering		
Knowledge Institute of Technology, Salem - 637 504. India.		
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A2	Areas of Interest	Applied Electronics & Microwave Engineering
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A3	Subjects Taught	
	UG	PG
	Electric Circuits and Electron Devices	Optical Communication Networks
	Digital Electronics	
	Electronic Circuits	
	Linear Integrated Circuits	
	Communication Theory	
	Microprocessors and Microcontrollers	
	Principles of Communication	
	Measurements and Instrumentation	
	Wireless and Cellular Communication	
	Satellite Communication	
	Adhoc Networks	
	RF and Microwave Engineering	
	Wireless Networks	
	Digital Image Processing	
	Fiber Optic Communication	

<b>A4</b>	<b>Academic Background</b>			
<b>Degree</b>	<b>Specialization</b>	<b>Name of the Institute</b>	<b>University</b>	<b>Month and Year of Passing</b>
M.E.	Applied Electronics	AMS Engineering College, Namakkal	Anna University of Technology, Coimbatore	May 2011
B.E.	Electrical and Communication Engineering	Kongu Engineering College, Perundurai	Bharathiar University, Coimbatore	May 1995

<b>A5</b>	<b>Work Experience as on July 2022</b>						
<b>Name of the Institution</b>	<b>Position</b>		<b>From</b>		<b>To</b>		
Knowledge Institute of Technology, Salem.	Assistant Professor		June 2022		Present		
K.S.R.College of Engineering	Assistant Professor		June 2012		September 21		
AMS Engineering College.	Assistant Professor		July 2011		April 2012		
AMS Engineering College	Lecturer		July.2006		July 2011		
<b>Total Experience</b>	15 Years	<b>Teaching</b>	15 Years	<b>Research</b>	-	<b>Administration</b>	-

A6		Research Publications				
Total Number of Publications		International Journal	National Journal	International Conference	National Conference	Total
		02	06	-	03	11
Publications (Journals)						
S.No	Authors	Tile of the Article		Name of the Journal	Year, Vol. , No.pages	
1.	S. Manoharan P. Sivasankar	Design of a low power Explicit Pulse Triggered Flip Flop.		International journal of Engineering Research and Science and Technology.	(ISSN2319-5991) Volume1, Number 3 (May 2015)	

2.	S. Manoharan C. Dharani	Handoff MIMO for High speed trains using Heterogeneous mobile communication.	Imperial journal of Interdisciplinary Research.	(ISSN :2454-1362) Volume3 Issue2.
<b>International Conference</b>				
1.	S. Manoharan	Dual match line technique for low power TCAM design.	International conference of ‘Trends in Technology for Convergence’ at AVS college of Engineering, Salem.	08.04.2014 & 09.04.2014
2.	S. Manoharan P. Sivasankar	Design of a low power Explicit Pulse Triggered Flip flop.	International Conference on Advanced Research and innovation in Engineering, Science, Technology and Management Organized by ARS college of Engineering, Chennai.	04.04.2015 & 05.04.2015
3.	S. Manoharan C.Dharani	Handoff MIMO for High speed train using Heterogeneous mobile communication.	International conference of Engineering Technology and Science Organized by Muthayammal Engineering Institutions.	30.03.2017 & 31.03.2017
4.	S.Manoharan, Dr.M.Suganthi	Design of Low Power Block RAM for VLSI Circuits.	International conference of Applied Science and Technology at Mahindra college of Engineering, Salem.	14.06.2017 & 15.06.2017
5.	S.Manoharan	Signal Boosters for 2G/3G/4G in smart phones.	International conference of Emerging Trends in Engineering and Technology (ICETET'19) at Pandian Saraswathi Yadav Engineering College , Sivagangai.	15.03.2019 & 16.03.2019
6.	S.Manoharan	Intelligent agricultural field monitoring system.	International Conference on Advanced Science and Engineering Research (ASER-2021) organized by Al-Ameen Engineering College, Erode.	16.04.2021

National Conference				
1	S. Manoharan	Implementation of Reconfigurable Architecture for FIR Filter.	National Conference on Recent Trends in Communication-Version 2.0 NCRTCV 2.0 at AMS Engineering College.	18.03.2011
2	S. Manoharan	Low power clocking Network design by adaptive power Gating.	National Conference on Recent Trends in Communication, Computation & VLSI(NCRTCCV-2013) at SriRamanathan Engineering college –Tirupur.	21.02.2013
3	S. Manoharan	Dual quality 5:2 compressors for utilizing in dynamic accuracy configurable multipliers.	National Conference on Advancement in Electrical Power, Signal Processing & Communication Network System at Selvam college of Technology,Namakkal.	23.03.2018.

A7	Memberships in Professional Bodies
S.No.	Name of the Professional Body
1	Indian Society for Technical Education (ISTE) – Lifetime Member : LM 93171
2	International Association of Engineers (IAENG) – Member Number: 181219

A8	Programs Organized
1.	Platform for young Electronics Engineers to be an Entrepreneur - DST-SERB
2.	-

A9	Consultancy Works
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<b>A10</b>	<b>Highlights of Major Contributions</b>
1.	Academic Calendar in charge
2.	Class advisor
3.	Department ISTE Co-ordinator
4.	Department AICTE in charge
5.	Worked in various criteria's of NAAC and NBA.

<b>A11</b>	<b>Training Programmes Attended</b>
1.	Participated in two days Faculty Development Programme organized by Ripe Institute Private limited ,Chennai at AMS Engineering college
2.	Participated in Six days Quality Improvement Programme on Instructional Design and Delivery organized by National Institute of Technical Teachers Training & Research, Chennai at Gnanamani college of Technology
3.	Participated in One day Workshop on WiMAX, 3G Applications in Wireless Technologies organized by National Institute of Technology, Tiruchirappalli.
4.	Participated in Two days Training on NI LABVIEW Software and Hardware organized by R&D Division, Department of ECE, AMS Engineering college.
5.	Participated in Four days Workshop on Embedded Systems organized by Epro Technologies Pvt .Ltd at AMS Engineering College.
6.	Participated in One day Workshop on Recent Advancement in Information and Communication Engineering
7.	Participated in Five days Faculty Empowerment workshop organized by Equip Foundation, Coimbatore at KSR Group of Institutions.
8.	Participated in One day National level workshop on Television and video Engineering organized by Kongunadu college of Engineering and Technology.
9.	Participated in Five days Faculty Development Training Programme on Electronic devices Organized by Mahindra college of Engineering, Salem.
10.	Faculty Empowerment program organized by K.S.R College of Arts and Science
11.	Participated in One day seminar on Patent Filing in India and other countries organized by K.S.R College of Engineering.
12.	Participated in Two days SERB sponsored National seminar on Platform for young Electronics Engineers to be an Entrepreneur organized by K.S.R College of Engineering.
13.	Participated in One day National level workshop on Big Data analytics, Artificial intelligence, Machine learning and Deep Learning organized by K.S.R College of Engineering.

14.	Participated in One day workshop on Outcome Based Education organized by K.S.R College of Engineering.
15.	Participated in One day skill development program under the heading “How to Access e Resources” organized by K.S.R College of Engineering.
16.	Participated in One day workshop on J-Gate –An electronic Gateway for research organized by K.S.R College of Engineering.
17.	Participated in One day National level workshop on IoT with Machine Learning organized by Excel Engineering College, Komarapalayam..
18.	Participated in IPR Webinar on Patent filing and Prosecution organized by Kumaraguru College of Technology.
19.	Participated in Webinar on Research Tools and Software for Academics organized by Francis Xavier Engineering college.
20.	Participated in Webinar on cyber security organized by K.S.R College of Engineering.
21.	Participated in Webinar on Signal Processing using MATLAB organized by K.S.R College of Engineering.
22.	Participated in Five days online Faculty Development Program on Data Structures organized by Velammal Engineering College, Chennai.
23.	Participated in One week STTP on Emerging Trends in VLSI Technology organized by Malla Reddy Engineering College for Women, Secunderabad.

<b>A12</b>	<b>Special Lectures Presented</b>
1.	-

<b>A13</b>	<b>Awards</b>
1	Received certificate of merit for excelled academic performance (AY 2010-2011)
2	Received certificate of merit for hundred percent result in Optical Communication Networks (AY 2015-2016).
3	Received certificate of merit for hundred percent result in Optical Communication Networks (AY 2016-2017).
4	Received certificate of merit for hundred percent result in Satellite Communication (AY 2017-2018).