


PROFILE

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EDUCATIONAL QUALIFICATION

S.NO.	QUALIFICATION	INSTITUTION STUDIED	UNIVERSITY / BOARD	YEAR OF PASSING
1	SSLC	ARR M H S SCHOOL, KUMBAKONAM	MATRICULATION	1997
2	DIPLOMA	SHANMUGA POLYTECHNIC COLLEGE, THANJAVUR.	TECHNICAL BOARD OF EDUCATION,CHENNAI	2000
3	B.E. (ECE)	SHANMUGA ENGINEERING COLLEGE, THANJAVUR	BHARADHIDASAN UNIVERSITY, TRICHY	2003
4	M.E./M.Tech.	NATIONAL ENGINEERING COLLEGE,KOVILPATTI	ANNA UNIVERSITY, CHENNAI	2008
5	Ph.D.	NATIONAL ENGINEERING COLLEGE , KOVILPATTI	ANNA UNIVERSITY, CHENNAI	2019

EXPERIENCE

S.NO.	NAME OF THE INSTITUTION / ORGANIZATION	POSITION HELD	FROM	TO	EXPERIENCE	
					Y	M
1	NATIONAL ENGINEERING COLLEGE,KOVILPATTI	LECTURER	21.11.2003	30.05.2010	6	6
2	NATIONAL ENGINEERING COLLEGE,KOVILPATTI	ASSISTANT PROFESSOR- SENIOR GRADE	1.06.2010	26.07.2022	12	1
3	NATIONAL ENGINEERING COLLEGE,KOVILPATTI	ASSOCIATE PROFESSOR	27.07.2022	Till Date		6
TOTAL EXPERIENCE					19	1

LIST OF PATENT PUBLICATIONS

S.NO.	PATENT STATUS
1	A Wireless neo-natal suit for intensive monitoring of NICU and KMC Application No.20174104300 A, Publication Date : 07/06/2019 , Examiner Report Submitted
2	System and method for instinctive monitoring of hydroponic plants Application No.201841037700 A, Publication Date : 12/10/2018, Examiner Report Submitted
3	Foreign object detection and tracking in human body Application No. 202241007606, Publication Date :26/02/2021, Examiner Report Submitted

LIST OF INTERNATIONAL JOURNAL PUBLICATIONS

1	"Legacy User Detection in OFDM based Cognitive Radio" International Journal of Computer Applications, 2012
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2	“Comparison of Primary Transmitter Detection based spectrum sensing techniques in cognitive radio systems” International Journal of Coimbatore Institute of Information Technology, 2012
3	“Mitigation of primary user emulation attack in cognitive radio for secured medical body area networks” Int. J. of Mobile Network Design and Innovation 2015 Vol.6, No.2 pp.73 – 80
4	“Secure and reliable routing in cognitive radio networks” Wireless Networks August 2017, Volume 23, Issue 6, pp 1689–1696
5	Attack Detection and Secure data transmission in cognitive radio networks using BMHHO and SHA 2” DOI: 10.1007/s00500-021-06462-1 , Journal of Soft Computing Published online 6 th Nov 2021.
6	Vulture based Ada boost feed forward Neural frame work for COVID-19 prediction and severity analysis system, Interdisciplinary Science: Computational Life science, Published online 22 Feb2022.
6	AMIND WESCOM International Journal of Recent Technology and Engineering Volume-8 Issue-6, March 2020
7	DESIGN OF BANDPASS FILTER USING COPLANAR WAVEGUIDE WITH DEFECTED GROUND STRUCTURE, Journal for Society for development of research and innovative ideas in newenvironment, Vol4. Issue2 ,2017.
8	Implementation of Software Defined Networking using Open flow Protocol. International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-9 Issue-1, May 2020
9	Mitigation Techniques for PUEA In Cognitive Radio Networks Using Hypothesis Testing Journalof Huazhong University of Science and Technology Vol50, Issue 4, 2021.

LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS

1	“Trust based algorithm for secure spectrum access in CRN” International Conference on Communication Networks- Organized by Society of Information Processing and, University Visvesvaraya college of Engineering- Bangalore, ELSEVIER Proceedia in 2013.
2	“Design of Bandpass filters using coplanar waveguide with detected ground structure. By IEEE- Madras Chapter and National Engineering College- Kovilpatti on 5 th -7 th Jan 2017.
3	Legacy user detection in OFDM based cognitive radio IJCA Proceedings on International Conference in Recent trends in Computational Methods, Communication and Controls (ICON3C2012) ICON3C(7):23-27, April 2012.
4	Comparison of Primary User transmission technique based on spectrum detection technique in cognitive radio system, Ciit Wireless Communication Proceedings on International Conference in Wireless Communication, Vol 4. No.9, 2012

FUNDED PROJECT / CONSULTANCY WORK UNDERTAKEN

S.NO.	NAME OF THE PROJECT AND FUNDING ORGANIZATION	DURATION WITH YEARS	AMOUNT SANCTIONED	RESPONSIBILITY
1	System and method for instinctive monitoring of hydroponic plants NEW GEN-IEDC, Ahamedabad	June17- June 18 One year	Rs .2,5000	Principal Investigator
2	A Wireless neo-natal suit for intensive monitoring of NICU and KMC NEW GEN-IEDC, Ahamedabad	Dec.2018 – Dec 2018 One year	Rs .2,5000	Principal Investigator
3	Application Development and Delivery QASSURES, Pvt.Ltd, Chennai	Dec 2018- Feb 2019 3 Months	Rs.45,000	Investigator
4	Foreign Object detection system in human bodies, NEW GEN-IEDC, Ahamedabad	Oct 2019- Oct2020	Rs .2,5000	Principal Investigator

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ORGANIZED				
S.NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION	NO. OF PARTICIPANTS	RESPONSIBILITY
1	AICTE Sponsored FDP" Recent Advances in RF Wireless Systems and Antennas", National Engineering College (Grant Received:1.5L)	13th -18th July 2009	30	Coordinator
2	SDP" Image Processing Applications using DSP Processors" , National Engineering College	24th -25th Sep 2009	25	Coordinator
3	DRDO Sponsored Seminar "Issues and Challenges in Underwater Acoustic Communication" , National Engineering College (Grant Received:Rs.60000)	8th Sep - 9th Sep 2011	25	Coordinator
4	SMART Ph.D Planning, National Engineering College	11th Aug 2012	25	Coordinator
5	Ninth National Conference ADELCO	7th – 8th March 2013	20	Co-Coordinator
6	Tenth National Conference ADELCO	5th -6th March 2014	20	Coordinator
7	Workshop on NS2	19th -20th Aug 2014	20	Coordinator
8	IEEE Madras Chapter Sponsored-Seminar on Antenna	18th Oct 2014	20	Coordinator
9	Hands on Training workshop on NS2	30 th July- 1 st Aug 2015	20	Coordinator
10	Anna University FDP-Digital Communication	30 th May-6 th June 2016	20	Coordinator
11	Motivational Talk-PALS National Engineering College	27.11.2018	50	Coordinator
12	Analysis- Brain storming National Engineering College, Kovilpatti	22.8.2019	50	Coordinator

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ATTENDED			
S.NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION	NO. OF PARTICIPANTS
1	Workshop-Mentor Development Programme, National Engineering College, Kovilpatti	11th- 12th Sep 2004	50
2	Workshop-Industrial Automation using PLC, , National Engineering College, Kovilpatti	13th – 15th Oct 2004	50

3	STP- Industrial Design and Delivery , National Engineering College, Kovilpatti	29 th Nov -4 th Dec 2004	75
4	Workshop- VLSI & Embedded System Tools , , National Engineering College, Kovilpatti	16 th Feb 2005	25
5	Workshop- Computer Aided Design of RF Circuits, , National Engineering College, Kovilpatti	25 th July 2005	25
6	ICMR Sponsored National Level Seminar – Research Issues in Thermography, ,National Engineering College, Kovilpatti	04.08.2013, 05.08.2013	25
7	17 th ISTE TN & P Section Annual Convention & Conferment of Life Time Achievement Awards – 2014 – Empowering Indian Engineering Education for Global Expectations. , National Engineering College, Kovilpatti	07.11.2014 & 08.11.2014	40
8	One day Seminar-“SCADA and its Recent Trends” National Engineering College, Kovilpatti	18.04.2014	50
9	FDP- Foundation Program in ICT for Education, at courses.iitbombayx.in (online) Remote Center: National Engineering College, Kovilpatti	08.03.2018- 17.03.2018	50
10	FDP-Pedagogy for Online and Blended Teaching-Learning Process, at courses.iitbombayx.in (online) Remote Center: National Engineering College, Kovilpatti	10.5.2019-10.6.2018	50
11	GIAN Course “Vogue Technologies on 5G and 5G+ communication and Vehicular Technology” at NIT-Trichy	26.12.207-2Jan 2018	50
12	FDP- Antenna Trends” Organished by E7ICT academy and IIT Guwahati	01.07.2019-05.07.2019	100
13	Workshop “Funding opportunities for Innovation and Entrepreneurship Development” Organized by Institute of Innivation Council UnoM, TOCIC, DSIR, GoI and RMK Engineering College, Chennai	09.09.2019	250
14	FDP on Block Chain Technology- The distributed trust on cyber security, organised by NIT Warrangal	15.6.2020-19.6.2021	300

15	FDP on Soft Computing techniques in emerging applications organised by NIT Warrangal	26.7.2021-30.7.2021	150
16	FDP on Block Chain and its Use Cases, organised by NIT Warrangal	12.9.2022-22.9.2022	250

MEMBERSHIP DETAILS

S.NO.	
1	ISTE- LM
2	IETE- M