


PERSONAL DETAILS AND AFFILIATION

Name of the Faculty Member	B. GANAPATHY RAM	
Designation	ASSISTANT PROFESSOR (SENIOR GRADE)	
Department	ECE	
Date of joining the institution	13.05.2013	
Date of Birth	30.05.1988	
Address for Communication	EWS 380, GOMATHY ILLAM, PHASE - II, ANBUNAGAR, TIRUNELVELI-11.	
Email ID	ganathippu@gmail.com , bgrece@nec.edu.in	

EDUCATIONAL QUALIFICATION

S.NO	QUALIFICATION	INSTITUTION STUDIED	UNIVERSITY / BOARD	YEAR OF PASSING
1	Ph.D.	Government College of Engineering, Tirunelveli	Anna University Chennai	Doing
2	M.E./M.Tech. (Applied Electronics)	Regional Centre, Anna University, Tirunelveli.	Anna University Chennai	2013
3	B.E. (ECE)	National College Of Engg., Maruthakulam	Anna University Chennai	2009

EXPERIENCE

S.NO	NAME OF THE INSTITUTION	POSITION HELD	FROM	TO	EXPERIENCE	
					Y	M
1	National Engineering College (Autonomous), Kovilpatti	Assistant Professor (Senior Grade)	06-04-2022	Till Date	0	07
2		Assistant Professor	13-05-2013	05-04-2022	8	11
3	Government College of Engineering, Tirunelveli	Adhoc Lecturer	06-07-2009	23-09-2011	2	02
TOTAL EXPERIENCE					11	01

FUNDED PROJECT / CONSULTANCY WORK UNDERTAKEN

S.N O.	NAME OF THE PROJECT AND FUNDING ORGANIZATION	DURATI ON WITH YEARS	AMOUN T SANCTIO NED	RESPONSIBI LITY
1	"Portable Peanut qualifier for price fixation", sponsored by New Generation Innovative Entrepreneurship Development Center, National Engineering College and NSTEDB, DST.	2022-2023	2,50,000/-	Mentor

2	"Development of Talk Back System for Fire Safety" sponsored by M/s. Coopros Safety India Private Limited	2021-2022	1,40,000/-	Consultant
3	"Onion Skin Peeler" sponsored by New Generation Innovative Entrepreneurship Development Center, National Engineering College and NSTEDB, DST.	2021-2022	2,50,000/-	Mentor

4	“Eco-friendly Candy Making Machine” sponsored by New Generation Innovative Entrepreneurship Development Center, National Engineering College and NSTEDB, DST.	2018-2019	2,50,000/-	Mentor
5	“Reflectometry based Non-invasive Diabnosis Device” sponsored by New Generation Innovative Entrepreneurship Development Center, National Engineering College and NSTEDB, DST.	2017-2018	2,50,000/-	Mentor
6	“Intelligent Prosthesis Leg” under Business Incubator scheme of Ministry of MSME for the Business Incubator Cell	2016-2018	6,25,000/-	Mentor
7	Consultancy work on “Biometric Attendance System with GPRS” for Madurai Corporation	2013-2014	3,80,000/-	Co-Investigator

PATENTS PUBLISHED & GRANTED

TITLE OF THE INVENTION	PARTICULARS	STATUS
A Candy making Machine	Application No. 202041007310 Patent No : 393303 Granted Date :	Granted
Non-invasive Diabnosis Device	Application No.201841037694 A Date of filing of Application :05/10/2018 Publication Date : 12/10/2018 The Patent Office Journal No. 41/2018 Dated 12/10/2018	Published and Examiner Report submitted

INTERNATIONAL JOURNAL PUBLICATIONS

1	D. Prasilin Jansirani, R. V. Ganapathy, and B. Ganapathy Ram , “Development of Chat Bot for Test Data Management”, International Journal of Communication and Computer Technologies. (Accepted for Publication)
2	S.D.Jayavathi, Dr. A. Shenbagavalli, and B. Ganapathy Ram , “Efficient Hardware Architecture for Integer Implementation of Multi-Alphabet Arithmetic Coding for Data Mining”, International Journal of Business Intelligence and Data Mining, Vol. 13., No.1/2/3, 2018, pp:188-208.
3	D. Mary Sugantharathnam, Dr. Manimegalai, and B. Ganapathy Ram , “Wavelets and Ridgelets for Biomedical Image Denoising”, WSEAS Transactions on Systems, Volume 12, No. 3, March 2013, PP. 165- 178.

NATIONAL & INTERNATIONAL CONFERENCE PUBLICATIONS

1	Arishenbagam Ariyammal.P, Tamil Selvi.S, and Ganapathy Ram. B , “A Survey On Product Tagging Technologies In Agricultural Supply Chain”, International Conference on Emerging Technologies and Applications for a Smart and Sustainable World (ICEmTASS), National Engineering College, 2022.
2	B. Ganapathy Ram , Dr. D. Shalini Punithavathani, and Dr. S. Tamil Selvi, “Performance Analysis of TSTW FD-NOMA Cooperative Communication with SIC for 5G Wireless Systems and Beyond”, Proceedings of International Conference on Power of Digital Technologies in Societal Empowerment - IETE

	CHENCON 2021, The Institution of Electronics and Telecommunication Engineers, Chennai Centre, 4 th & 5 th June 2021, pp.173-180. (Best Paper Award)
3	Dr. S. Tamil Selvi, B. Ganapathy Ram , and V.S. Preethashree, "Secured Approach for One Umbrella Management System for Improving Healthcare Services", Technical Volume of 35th Indian Engineering Congress - Engineering for Self-reliance and Sustainable Goal, Dec 2020 pp.237-244 (ISBN : 978-81-950662-0-9)

4	B. Ganapathy Ram , and Dr. S. Tamil Selvi, "On the way to Excellence in Engineering Education through Paramount OBE Practices through Strategic Planning", 4 th World Submit on Accreditation, National Board of Accreditation, New Delhi, Sep 2018.
5	B. Ganapathy Ram , Dr. S. S. Sreeja Mole and A. Kasthuri, "Improving multimedia transmission in 3G wireless Networks using cooperative diversity technique", International Conference, IJCA journal ICON3C Proceedings, 2012.
6	H. Ramanathan, B. Ganapathy Ram and A. Kasthuri, "A multimodal interface board designed for sighted and sight-impaired People", National Conference, 2012.
7	B. Ganapathy Ram , M. Malleswaran, and Dr. S. S. Sreeja Mole, "Performance Analysis of Cooperative Communication in 3G Wireless Networks" National Conference on Emerging Trends in Signal Processing, Dr.Sivanthi Adhithanar College of Engineering, February 2013.
8	B. Ganapathy Ram , Dr. S. S. Sreeja Mole, B. Gomathy Ram, "Outage Behaviour Analysis of Cooperative diversity in Mobile Communication", National Conference on Robotics and Artificial Intelligence, Shivaji College of Engineering, March 2013.
9	P. Sathish Kumar, B. Ganapathy Ram , M. Malleswaran, "Performance Analysis of DS-CDMA Based Cognitive Radio System", National Conference on Robotics and Artificial Intelligence, Shivaji College of Engineering, March 2013.
10	S. Raja, B. Ganapathy Ram , M. Malleswaran, "FPGA Based Memory Efficient Distributed Arithmetic Architecture for Discrete Wavelet Transform", National Conference on Robotics and Artificial Intelligence, Shivaji College of Engineering, March 2013.

NPTEL COURSES COMPLETED

S.N o.	Title of the Course	Course Coordinator	Duration	Marks Obtained
1	Signal Processing for mm Wave communication for 5G and beyond	Prof. Amit Kumar Dutta, Associate Professor, G. S. Sanyal School of Telecommunication, Indian Institute of Technology, Kharagpur.	Jul-Oct 2022 (12 Week)	69% Elite (1152 learners registered and 56 are certified)
2	Evolution of Air Interface Towards 5G	Prof. Suvra Sekhar Das, Professor & Head, G. S. Sanya School of Telecommunication, Indian Institute of Technology, Kharagpur	Feb-Apr 2022 (8 Week)	83% (Elite + Sliver) Ranked under 5% Topper Category
3	Managing Innovation	Indian Institute of Management, Banglore	Jan-Mar 2021 (8 Week)	72% (Elite)

4	LDPC and Polar Codes in 5G Standard	Prof. Andrew Thangaraj, Professor, Department of Electrical Engineering, Indian Institute of Technology, Madras	Jan-Feb 2019 (4 Week)	61% (Elite)
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INDUSTRIAL TRAINING ATTENDED

S.N O.	INDUSTRY AND TRAINING DETAILS	PERIOD	DURATI ON
1	Industrial Knowhow at M/s. Coopro Safety India Private Limited, Chennai	21.09.2021 to 25.09.2021	5 Days
2	Industrial knowhow at Healthcare Technology Innovation Centre, IITM Research Park, Chennai.	25.02.2020 to 29.02.2020	5 Days

3	MoU Activity Initiation Meeting at M/s. Mistral Solutions Private Limited, Bengaluru	07.08.2019	1 Day
4	Industrial Knowhow in Wireless Industries 1) SAMEER, Chennai 2) Indian Telephone Industries Limited, Bengaluru and 3) Nokia solutions Pvt. Ltd., Bengaluru	13.02.2019 to 15.02.2019	3 Days
5	Virtual Industrial training on “Java and Android” by Vagmine Technologies, Thanjavur	Nov 2017 - Jan 2018	40 Hours
6	Industrial training on “Advanced Wireless Technologies” in Centre of Excellence in Wireless Technologies (CEWiT), IITM Reasearch Park, Chennai -60113	31.10.2016 to 16.11.2016	15 Days

WORKSHOP & CONFERENCE ORGAIZED

NAME OF THE PROGRAM	YEAR	DURATI ON	RESPONSIBI LITY
One Day field visit to High Power Transmitter, Doordarshan, Tirunelveli for the course “RF System Design”	18 Apr 2016	1 Day	Organizer
Three days workshop on “Foundations of Applied Mathematics for Communication Engineers” at National Engineering College, Kovilpatti	18 Feb 2016 to 20 Feb 2016	3 Days	Coordinator & Resource Person
Three days workshop on “Advanced Digital System Design using HDL” at National Engineering College, Kovilpatti	03 Sep 2015 to 05 Sep 2015	3 Days	Coordinator & Resource Person
Sky observation Programme in association with District Science Centre, Tirunelveli at National Engineering College, Kovilpatti	26 Aug 2015	1 Day	Coordinator
Value Added Course on “Digital System Design using HDL” at National Engineering College, Kovilpatti	July 2015	30 Hours	Coordinator & Resource Person
Anna University, Chennai Approved Seven days Faculty Development Training Programme on Principles of Digital Signal Processing	25 May 2015 to 02 Jun 2015	7 Days	Coordinator & Resource Person
“Three Days Seminar cum Workshop on VLSI Design Using Cadence Tools” at National Engineering College, Kovilpatti	Dec 2014	3 Days	Resource Person
One Day field visit to Meenakshi Mission Hospital and Research Center, Madurai for Medical Electronics Course	Sep 2014	1 Day	Organizer
One Day Workshop on Research Trends and Applications of Biomedical Imaging at National	26 Jul 2014	1 Day	Coordinator

Engineering College, Kovilpatti			
TEQIP-II sponsored National Conference on "Microwave and Optical Communication (NCMOC-2014)" at Alagappa Chettiar College of Engineering and Technology, Karaikudi.	Mar 2014	1 Day	Chair Person
Workshop on "Soft computing and Statistical Signal Processing" at Chandy College of Engineering, Tuticorin.	Nov 2012	1 Day	Resource Person

RESOURCE PERSON TO OTHER PROGRAM

NAME OF THE INSTITUTE	PROGRAM NAME & ROLE	DATE
Startup TN, Government of Tamilnadu and Virudhunagar District Administration	Idea Hack Fest - Jury Panel Member	25.11.2022
PACR Ramasamy Raja Polytechnic College, Rajapalayam	My Story as a Successful Entrepreneur - Resource Person	23.11.2021
Lakshmi Ammal Polytechnic College, Kovilpatti	Startup by a Fresher - Resource Person	26.02.2021 and 27.02.2021
Thiagarajar College of Engineering, Madurai	Technical Talk on Reconfigurable OFDM System Design using NI USRP - Faculty Development Program - Resource Person	20.12.2019
Government College of Engineering, Tirunelveli	GATE - Signals and Systems - Resource Person	20.01.2018
Alagappa Chettiar College of Engineering and Technology, Karaikudi	TEQIP-II sponsored National Conference on "Microwave and Optical Communication (NCMOC-2014)" - Session Chair	14.03.2014