


PERSONAL DETAILS AND AFFILIATION

Name of the Faculty Member	MANJULA DEVI. R	
Designation	ASSISTANT PROFESSOR (SG)	
Department	ELECTRONICS AND COMMUNICATION ENGINEERING	
Date of joining the institution	02.06.2010	
Address for Communication	5/85 –K1, Manju Nagar, Thoonukal Vilakku, Alampatti road, Kovilpatti -628503.	
Email ID	manju.rengasamy@gmail.com , rmdece@nec.edu.in	

EDUCATIONAL QUALIFICATION

S.NO.	QUALIFICATION	INSTITUTION STUDIED	UNIVERSITY / BOARD	YEAR OF PASSING
1	B.E. (ECE)	P.S.R. Engineering College, Sevalpatti	ANNA UNIVERSITY, CHENNAI	2008
2	M.E./M.Tech.	Mepco Schlenk Engineering College, Kovilpatti	ANNA UNIVERSITY, CHENNAI	2010
3	Ph.D.	Pursuing	ANNA UNIVERSITY, CHENNAI	-

EXPERIENCE

S.NO.	NAME OF THE INSTITUTION / ORGANIZATION	POSITION HELD	FROM	TO	EXPERIENCE	
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1.	NATIONAL ENGINEERING COLLEGE, KOVILPATTI	Lecturer	02.06.2010	31.10.2011	1	4
2.	NATIONAL ENGINEERING COLLEGE, KOVILPATTI	Assistant Professor	01.11.2011	30.07.2016	4	8
3.	NATIONAL ENGINEERING COLLEGE, KOVILPATTI	Assistant Professor (Senior Grade)	01.08.2016	Till date		

LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS

1	<p>Ms.R.Manjula Devi, presented a paper on “An FPGA based Architecture for Textural Features Characterization of MR Images” in the international conference Intelligent Information System and Management(IISM’10), in RVS College of Engineering and Technology, during 7th and 8th June, 2010.</p>
2	<p>Ms.M.A.Ruhaya Rameez Fathima, Mrs.R.Manjula Devi, presented a paper on “Improved Method of Detecting Face Using Multi-Image Saliency” in the international conference Hi- Tech Trends in Emerging Computational Technologies, in Sethu Institute of Technology, Madurai during 8th and 9th April, 2015.</p>
3.	<p>Ms.M.A.Ruhaya Rameez Fathima, Mrs.R.Manjula Devi presented a paper on “Improved Method of Tumor Segmentation Using Saliency” in IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIECS’15, in karpagam college of Engineering, Coimbatore.</p>
4.	<p>Ms.M.Priyanka, Mrs.R.Manjula Devi, presented a paper on “A Novel method of car authentication and accident alert system using ARM” in the international conference on ICEECE’15, organized by Vivekanda College of Engineering for women, Trichengode during 11th and 12th March, 2015.</p>
5.	<p>Ms.G.Padmavathi, Mrs.R.Manjula Devi, presented a paper on “Segmentation and classification of tumor” in the international conference on ICEEICA-16, held at Selvam college of Technology, Namakal during 2nd and 3rd June, 2016</p>
6.	<p>Ms.G.Padmavathi, Mrs.R.Manjula Devi, presented a paper on “ Detecting Liver cancer from CT scan images” in IEEE sponsored 3rd international conference on ICIE’16 held at Karpagam College of Engineering, Coimbatore during 17th and 18th March, 2016.</p>
7.	<p>Mrs.R.Manjula Devi, Dr.V.Seenivasagam presented a paper on“Segmentation and Detection of Tumor from Liver CT images using Enhanced K-means Algorithm” in 4th international conference on Advanced Computing and Communication Systems(ICACCS 2017) held at Sri Eshwar College of Engineering during 6th and 7th January, 2017 (Received Best Paper Award)</p>
8.	<p>Mrs.R.Manjula Devi, Dr.V.Seenivasagam presented a paper on “A Survey on various image processing techniques for detection of Tumor from Liver CT images” in the Third international conference on Computational Intelligence” organized by Sethu Institute of Technology, during 5th and 6th April, 2018.</p>
9.	<p>P.Gokila, R.Raja Meena, K.Priyadarshini, Mr.I.Vivek Anand, R.Manjula Devi Presented a paper on “Low power implementation of Daubechies and wavelet filter for the diagnosis of ventricular Fibrillation using Reconfigurable multiplier blocks” in the National Conference on Communication, Computing and System Design on March 19, 2019 (Received Best Paper)</p>

LIST OF INTERNATIONAL JOURNAL PUBLICATIONS

1.	Manjula Devi, R. , and Seenivasagam, V., 2020, 'Automatic segmentation and classification of liver tumor from CT image using feature difference and SVM based classifier, Soft Computing, vol.24, no.24, pp.18591- 18598, DOI: 10.1007/s00500-020-05094. (IF - 3.643) ISSN:1433-7479.
2.	Manjula Devi R. , & Shenbagavalli A, 2021, 'An Automatic Detection of Liver Tumor from CT Abdominal Images - A Comparative Approach', Journal of Medical Imaging and Health Informatics, vol.11, No 11, pp. 2845-2852, DOI: 10.1166/jmihi.2021.3875 (IF - 0.89) ISSN: 2156-7018.
3.	Senthil Kumar, Rajesh Kumar, Tolstoy, R.Manjula Devi , Embedded Based Device To Maintain Social Distancing And Temperature Indication" Journal of Huazhong University of Science and Technology, volume 50, issue 04, 2021
4.	Jemimah, Kaviya, Esaki Ammal, R.Manjula Devi , Embedded Based Device To Maintain Social Distancing And Temperature Indication" Journal of Huazhong University of Science and Technology, volume 50, issue 04, 2021
5.	Ms.M.A.Ruhaya Rameez Fathima, Mrs.R.Manjula Devi , (2015). Improved method of Tumor Segmentation using Saliency. International Journal of Applied Engineering Research Vol.10, No. 20
6.	Ms.G.Padmavathi , Mrs.R.Manjula Devi , (2016)Segmentation and Classification of Tumor from liver CT images. International journal of Innovative Research in Engineering Science and Technology,Vol. 4, Issue 02.
7.	Ms.S.Amutha, Mrs.R.Manjula Devi , (2016). Early Detection Malignant Melanoma using Random forest algorithm. International Journal for Trends in Engineering and Technology Vol.1, issue 1.

WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ATTENDED

S.NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION	NO. OF PARTICIPANTS	RESPONSIBILITY
1.	Two days workshop on "Graphical System Design for Engineering Applications Using Labview" conducted at National Engineering College	23.01.2010 to 26.11.2010	25	PARTICIPANT
2.	One day workshop on "Methodologies for Research & Innovaions" conducted at National Engineering College	18.03.2011	30	PARTICIPANT
3.	Four days Faculty Training Programme on "Train the Trainers" conducted at National Engineering College	20.12.2011 to 23.11.2011	25	PARTICIPANT

4.	One day seminar on “SCADA and its Recent Trends” conducted at National Engineering College	18.04.2014	50	PARTICIPANT
5.	TEQIP Sponsored two days National Workshop on “Computer Vision and Medical Image Processing: A Practical Approach Using Matlab” organized at Thiagarajar college of Engineering	25.04.2014 to 26.04.2014	30	PARTICIPANT
6.	One day seminar on “Antennas” organized by IEEE Madras Chapter	18.10.2014	25	PARTICIPANT
7.	17 th ISTE TN & P section Annual Convention for Faculty member for “Empowering India Engineering Education for Global Expectations” conducted at National Engineering College.	07.11.2014 to 08.11.2014	100	PARTICIPANT
8.	One day NPTEL workshop organized by IIT madras	13.03.2015	25	PARTICIPANT
9.	Two days technical seminar on “Video Analytics” conducted at Mepco Schlenk Engineering College	18.09.2015 to 19.09.2015	20	PARTICIPANT
10.	Faculty Development Training Programme on “VLSI Design” at National Engineering College.	01.12.2015 to 08.12.2015	25	PARTICIPANT
11.	DBT Sponsored two days workshop on “Modern Computing Technologies for Affective Brain Computer Interface” at National Engineering College.	08.01.2016 to 09.01.2016	25	PARTICIPANT
12.	AICTE Sponsored Short term course on “Medical Imaging and Informatics” at Coimbatore Institute of Technology, Coimbatore	20.04.2016 to 26.04.2016	30	PARTICIPANT
13.	Quality Improvement Training programme on “Technology Enabled Teaching Learning Process” conducted at National Engineering College, Kovilpatti	27.05.2017 to 29.05.2017	30	PARTICIPANT

14.	Workshop on “Deep Learning – Academic and Research Prospectives” conducted by PSG college of Technology, Coimbatore.	24.01.2018 to 25.01.2018	50	PARTICIPANT
15.	AICTE approved FDP on Foundation Program in ICT for Education Conducted by IIT Bombay	08.03.2018 to 12.04.2018	25	PARTICIPANT
16.	AICTE approved FDP on Pedagogy for online and Blended Teaching – Learning Process Conducted by IIT Bombay	03.05.2018 to 30.05.2018	25	PARTICIPANT
17.	Gian course on “Medical Image Computing :Machine –learning methods and Advanced-MRI applications Conducted at IIT Bombay	23.07.2018 to 27.07.2018	100	PARTICIPANT
18.	Research issues and innovation in Medical Imaging Modalities and Processing system for Health care applications	14.11.2019 to 16.11.2019	30	PARTICIPANT
19.	NPTEL –AICTE Faculty Development Programme on “Microwave Theory and Techniques”	July to Oct 2019 (2 week)	103	PARTICIPANT
20.	Machine Learning & Applications	24.08.2020 to 28.08.2020	150	PARTICIPANT
21.	Medical image processing and deep learning technologies	21.09.2020 to 25.09.2020	125	PARTICIPANT
22.	Research issues and challenges in Deep learning based Medical image analysis and medical diagnosis	19.10.2020 to 24.10.2020	150	PARTICIPANT
23.	DEEP LEARNING&ITSAPPLICATIONS :THEORYTOPRACTICE	06.07.2020 to 10.07.2020	75	PARTICIPANT
24.	CONVOLUTIONAL NEURAL NETWORK IN DEEP LEARNING	15.07.2020	150	PARTICIPANT

25.	Artificial intelligence in Health Care	16.07.2020 to 22.07.2020	125	PARTICIPANT
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Industrial Training Attended

1.	Undergone 5 days industrial training at Enginef technologies Private Limited, Trivandrum during the period 19.11.2018 to 22.11.2018
2.	Undergone 3 days industrial training at DEBEL Lab, DRDO, Bangalore during the period 06.02.2019 to 08.02.2019
3.	Undergone one month industrial training on “Design and verification using verilog” at Entuple Technologies, Bangalore during the period 28.10.2020 to 30.11.2020
4.	Undergone one month industrial training on “Electromagnetic and simulation using HFSS” at Entuple Technologies, Bangalore during the period 14.09.2021 to 17.10.2021

MEMBERSHIP DETAILS

1	Indian Society for Technical Education(ISTE) - Life Member-LM98293
2	Institution of Electronics and Telecommunication Engineers(IETE) - Associate Member-AM223376