

BIO DATA

Name : **M.MANIMEGALAI**
Designation : Assistant Professor
Department : Information Technology
Address for Communication : Assistant Professor/IT, National
Engineering College, K.R.Nagar,
Kovilpatti-628503
Email : manimegalai_it@nec.edu.in
Mobile Number 8667633812



1. Personal Details:

Date of Birth & Age : 11-03-1990 & 31
Sex & Marital Status : Female & Married
Nationality : Indian

Qualification

: M.E.

Degree	Programme and Specialization	Class /CGPA	Month &Year of Passing	Institute/University
B.E.	Computer Science and Engineering	FirstClass With Distinction	April 2011	MepcoSchlenk Engineering College, Sivakasi.
M.E	Computer Science and Engineering	FirstClass with Distinction	May 2013	MepcoSchlenk Engineering College, Sivakasi
Ph.D	Information and Communication Engineering	-	Pursuing	Anna University, Chennai

Academic Achievements:

- Secured 38th University Rank in MasterDegree (Anna University)

Professional Experience :

Designation	Institution/ Organisation	Period	Nature of Duties
Assistant Professor	National Engineering College, Kovilpati	12.03.2021 Onwards	Teaching
Assistant Professor	Francis Xavier Engineering College, Tirunelveli	4.11.2020 to 11.3.2021	Teaching
Assistant Professor	P.S.R.Rengasamy College of Engineering for Women,Sivakasi	31.6.2016 to 30.10.2020	Teaching
Assistant Professor	P.S.R.Rengasamy College of Engineering for Women, Sivakasi	3.7.2013 to 14.5.2014	Teaching

Date of joining in Present Institution : 12.03.2021

Present status : Assistant Professor

Courses taught:

Course Title	U.G. or P.G.
1.Python Programming 2.Object Oriented Programming 3.Artificial Intelligence 4. Graph Theory and Applications 5. Data Structures and Algorithms 6. Computer Graphics	U.G
1. Advanced Data Structures and Algorithms 2. Soft Computing	P.G

Short term Courses / Seminars / Conference/ Workshops Attended:

<i>S.no</i>	<i>Title</i>	<i>Programme</i>	<i>Date</i>	<i>Venue</i>	
1.	Workshop on Web 2.0	Workshop	8/3/2010	MEPCO Engineering sivakasi	Schlenk college
2.	Workshop on Recent trends and Research issues in Semantic Based Image analysis	Workshop	10,11/10/2012	MEPCO Engineering sivakasi	Schlenk college

3.	Workshop on Image Processing using MATLAB	Workshop	19,20/10/2012	National Engineering college, Kovilpatti
4.	Hands on Workshop on Python Programming	Workshop	21, 22/ 08/ 2017	Anna University Regional Campus, Tirunelveli
5.	Workshop on Internet of Things Using Raspberry Pi	Workshop	6,7 / 09/ 3018	Kalasalingam Academy of Research and Education, Krishnan Koil
6.	Workshop on Integrated Smart Energy Management System for Smart meters sensors, for Business Solutions	Workshop	11/07/2019	Hindusthan institute of Technology, Coimbatore
7.	Workshop on Productive Tools for writing journals and Articles	Workshop	7,8/01/2019	AAA College of Engineering and Technology, Amathur
8.	Workshop on Latex Document Preparation Language	Workshop	24,25 / 01/ 2020	Ramco Institute of Technology, Rajapalayam

9.	FDP on Instructional Design and Delivery System	FDP	22- 26/4/2013	P.S.R Engineering college, Sivakasi
10.	FDP on Entrepreneurship Development program	FDP	4-6/10/2017	Anna University Regional Campus. Tirunelveli

2. Publications:

International Journals : 04

International Conference : 12

National Conference : 2

JOURNAL PUBLICATIONS:

S.No	Title of the Journal	Authors	Journal	Volume, Pages and Year
1.	Measuring heartbeats Rate In Facial Video By	G.Annapoorani, M.Manimegalai	International Journal Of	Issue 12, Vol 3, Dec-2016, ISSN -

	Combining Gft And Sdm Methods		Advances In Electronics And Computer Science (IAEC)	2393- 2835
2.	Assessment of Diabetic Foot wound by using wound Boundary Determination and Analysis Algorithm	G.Annapoorani, M.Manimegalai	International Journal of Advanced Research Trends In Engineering and Technology (IJARTET)	Issue 5, Vol 4, March 2017.
3.	A Novel ANN based Harmonics Mitigation and Monitoring Approach of Shunt Active Power Filter	M.Manimegalai, Dr.K.Sebasthirani	International Journal of Innovative Technology and Exploring Engineering (IJITEE) (SCOPUS INDEXED)	Issue 5, Vol 8, March 2018
4.	Power Quality Improvement and Monitoring Integrated with Cyber Security using Smart Meter for	M.Manimegalai, Dr.K.Sebasthirani	GEDRAG & ORGANISTIE	Issue 3, Vol 33, Sep 2020.

	Household Applications			
--	------------------------	--	--	--

INTERNATIONAL CONFERENCE:

S.No	Title of the Paper	Authors	Name of the Conference	Venue	Date
1.	Effective Image Object Retrieval and Tag Refinement by Augmenting Unsupervised Semantic Features	M.Manimegalai, Mrs. VanithaSivagami	International Conference on Signal Processing, Image Processing and Pattern Recognition(ICSIPR13)	Karunya University, Coimbatore	7 th & 8 th Feb 2013
2.	Image Object Retrieval By Completing Tag	M.Manimegalai, Mrs. VanithaSivagami	International Conference on Recent Innovations in Engineering	Sri Subramaniya College of Engineering And Technology, Palani	13 th & 14 th March 2014
3.	Measurement of stress by calculating heartbeat rate	G.Annapoorani, M.Manimegalai	International conference on Industrial Electronics and computer science (New Delhi, India	26 th march 2017

	using video magnification method		ICIECS – New Delhi)		
4.	Study of GFT and SDM on Heart beat rate Measurement in Facial Video	G.Annapoorani, M.Manimegalai	International Conference on Electrical, Electronics and computer science (ICEECS)	Institute of Research and Journals,Chennai.	28 th August 2017
5.	Development of Lip Reading Recognition Algorithm for Hypo pharyngeal cancer patients	M.Manimegalai	International Conference on Recent Trends in Engineering, Computers, Information Technology and Applications	P.S.N.A College of Engineering and Technology, Dinigul.	23 rd March 2018
6.	Cyber Security Issues in Smart Grid	Usha, M.Manimegalai	International Conference on Recent Trends in Engineering Education (ICRTEE 2K 18)	P.S.R Engineering College, Sivakasi	5-10-2018
7.	Recent Advances in Shunt active Power filter with Recursive least square algorithm and its	M.Manimegalai, Dr.K.Sebasthirani	International Conference on Electronics and Informatics(ICOEI 2018) IEEE Indexed (Pages 1288-12903	Scad Engineering college, Tirunelveli	11,12 may 2018

	applications				
8.	Effective Harmonic Elimination by Controlling Shunt Active Power Filter using RLS Algorithm	M.Manimegalai, Dr.K.Sebasthirani	International Conference on Frontiers in Engineering, Applied Sciences and Technology	NIT , Trichy	Apr 27, 28 2018
9.	A Novel ANN based Harmonics Mitigation and Monitoring Approach of Shunt Active Power Filter	M.Manimegalai, Dr.K.Sebasthirani	International Conference on Electrical, Electronics, Instrumentation and Computer Communication.	Karpagam College of Engineering, Coimbatore	Jan 24, 25 2019
10.	Securing Smart meter Data in Smart Grid Transmission using Attribute Based Encryption	M.Manimegalai, Dr.K.Sebasthirani	International Conference on Recent Trends in Computing, Communication and Networking Technologies (ICRTCCNT'19)	Kings College of Engineering, Chennai	July 13,14 2019
11.	Performance Analysis of Smart Meters for	M.Manimegalai, Dr.K.Sebasthirani	5 th International Conference on Intelligent Computing	SRM Institute of Science and	December 6 th – 8 th 2019

	Enabling a New era for Power and Utilities with Securing Data Transmission and Distribution using End to End Encryption(E2EE) in Smart grid		and Applications (ICICA -2019)	Technology, Delhi	
12.	Providing Cyber Security in SCADA Network by NTRU Key Management	M.Manimegalai, Ms. Vasanthi, Ms. NellaiMeenambika, Ms. Shivani	3 rd International Conference on Innovations in Electrical Information and Communication Engineering (ICIEICE'21)	Kongu Nadu College of Engineering And Technology, Nammakal	27 th Mar 2021

NATIONAL CONFERENCE:

S.No	Title of the Paper	Authors	Name of the Conference	Venue	Date
1.	Effective Visual Dictionary creation by sparse coding	M.Manimegalai, Mrs.VanithaSivagami	National Conference on Emerging trends in Computing)	Govt Engineering college, Trissur.	13-15 June 2013

2.	Design of Novel based Smart meter for control and Monitoring System of Electric Billing System using IOT	M.Manimegalai, Dr.K.Sebasthirani	National Level Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29 th February 2020
----	--	-------------------------------------	--	---	-----------------------------------

COURSES COMPLETION

S.No	Name of the Course	Organizer	Score	Academic Year
1.	Software Testing	NPTEL	48%	2015 -2016
2.	Introduction to Internet of Things	NPTEL	92%(GOLD)	2018-2019
3.	Algorithm and Data Structures in Python	NPTEL	76%	2019 - 2020
4.	Distributed Cloud Coomputing	NPTEL	76%	2019-2020
5.	Operating System	NPTEL	72%	2020-2021
6.	Introduction to Soft Computing	NPTEL	69%	2020-2021