

**GOVERNMENT COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TIRUNELVELI – 627 007.**



1. Name in full (in Capital Letters) : Dr..G.TAMILPAVAI
2. Designation : Professor (CAS) and Head
3. Date of Joining the present post : 09.08.2017
4. Date of Joining the institute : 09.08.2001
5. Date of Birth : 04.04.1978
- 5a. PAN Number : AEPPT0079P
- 5b. Aadhar Number : 288379662221
- 5c. Scale of pay : 162300
6. Address :

a) Permanent Address: 66 B/3 , 6th Cross Street, Rajendra Nagar, Palayamkottai, Tirunelveli-627007.	b) Communication Address with Phone No./ Mobile No. /E.mail ID : 66 B/3 , 6th Cross Street, Rajendra Nagar, Palayamkottai, Tirunelveli-627007. +(91) 9442523888 tamilpavai@gcetly.ac.in
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7. Educational Qualification (Starting from basic degree) :

Degree	Area of Specialisation	Institute/ University	Month & Year Of passing	Class
B.E	Computer Science and Engineering	Madurai Kamaraj University (Thiagarajar College of Engineering, Madurai)	May 1999	First class
M.E	Computer Science and Engineering	Anna University, Chennai (Government College of Engineering, Tirunelveli- 627007)	May 2005	First Class
Ph.D	Information and Communication Engineering	Anna University, Chennai	May 2014	--

8. Experience (Starting from current position):

a) Academic:

Period		No. of years	Designation	Institute/organization
From	To			
08.08.2017	Till Date	4	Professor(CAS) and Head	Government College of Engineering, Tirunelveli-627007
09.08.2014	08.08.2017	3	Associate Professor(CAS)	Government College of Engineering, Tirunelveli-627007
01.01.2006	08.08.2014	11.2	Assistant Professor (Sr.Gr)	Government College of Engineering, Tirunelveli-627007
09.08.2001	31.12.2005	4.5	Lecturer	Government College of Engineering, Tirunelveli-627007
02.07.1999	30.07.2001	2	Lecturer	K.L.N College of Engineering, Pottapalayam, Sivakangai(DT).

b) Research:

Period		No of years	Designation/Nature of job	Institute/organization
From	To			
2016	Till Date	5	Recognized Supervisor	Anna University, Chennai

c) Industrial:

Period		No. of Years	Designation / Nature of job	Institute / Organisation
From	To			
			NA	NA

9. Publications

9.1 Publications in journals:

SI.No	Title	Authors	Name of the Journal	National/International	Year/Vol
1.	Detection of Longest Common Sub Sequence in Normal DNA and Dengue Virus Affected Human DNA using Self Organizing Map	G. Tamilpavai & C. Vishnupriya	International Journal of Computer Science and Engineering	International	Vol.-8, Issue-1, Jan 2020.

2.	A Computational Perception of Locating Multiple Longest common subsequence in DNA sequence	G. Tamilpavai, R. Sirpathy Padhma & C.Vishnupriya	International Journal of Intelligent Enterprise	International	Vol. 7, Nos. 1/2/3, 2020
3.	Classification of Cloud types using Partial Least Square Regression	Nandhini.K & G.Tamilpavai	International Journal for Science and Advance Research in Technology	International	Vol.-5, Issue-11, Nov 2019
4.	Detection of Huntington's Disease in Human DNA Sequence using Numerical Encoding Method and Machine Learning based Classifier	G. Tamilpavai & C. Vishnupriya	International Journal of Recent Technology and Engineering	International	November 2019
5.	Classification of Sky/cloud Images on Reduced Dataset using kNN Algorithm and modified Genetic algorithm	Akila Rajini.S& Dr.G.Tamilpavai	JASC: Journal of Applied Science and Computations	International	Volume VI, Issue V, May 2019
6.	Implementation of Smart and Safe Navigation System for Fisherman	G.Tamil Pavai,& Ms.S.Shopika	International Journal of Modern Electronics and Communication Engineering	International	Nov 2018
7.	Identification of Disease causing DNA motifs in Human DNA using Clustering Approach	G.TamilPavai& C.Vishnupriya	InternationalJournal of Biomedical and Biological Engineering	International	April 2018/2
8.	Optimal Routing and Velocity Control for Wireless Charging Vehicle in WRSN	G.Deena& Dr.G.TamilPavai,	International Journal of Engineering Science and Computing	International	April 2017/7
9.	Biomedical optical image classification for Glaucoma using wavelet based energy features and FCM	G.TamilPavai	Asian Journal of Information Technology	International	2016/ 15(17)
10.	Privacy Enhanced Personalization in Content, Semantic and Location Approach	G.TamilPavai	Asian Journal of Research in Social Sciences and Humanities	International	June 2016/6
11.	Proficient System for Feature Subset Selection in High Dimensional Data	V.ThirumaniThangam, G.TamilPavai & P.SenthilKumarai	International Journal for Innovative Research in Science & Technology	International	Feb - 2015/9

12.	Glaucomatous Image Classification Using Wavelet Based Energy Features And PNN	A.Iyyanarappan & G.TamilPavai	International journal of technology enhancements and emerging engineering research	International	2014/2, Issue 4
13.	Identification of Proliferative Diabetic Retinopathy Using Texture Segmentation	G.TamilPavai & Dr.S.Tamilselvi	Journal of Computer Science	International	May 2013/9
14.	Color Texture Classification using Improved DLBP for Skin Image	G.TamilPavai & Dr.S.Tamilselvi	European Journal of Scientific Research	International	March 2013/ 97
15.	Multiple Representations of Perceptual Features for Texture Classification and Retrieval	G.TamilPavai & Dr.S.Tamilselvi	International Journal of Computer Applications	International	2012/ 48
16.	Identification of Brain Tumor Using Texture Segmentation	G.TamilPavai & Dr.Wiselin Jiji	CiiT International Journal of Digital Image Processing	International	2010/ 2

9.2 Publications in conferences:

Sl.No	Title	Name of the Journal	National/ International	Year/Vol
1.	Classification of Weather Condition using Deep Learning Techniques	International conference on Emerging trends in Applications of Computing	International	2020
2.	Classification of Cloud Types using PLS Regression and SVM Classifier	6 th International conference on Electrical, Electronics, Instrumentation and Computer Communication – 2019	International	2020
3.	Classification of Sky/Cloud images Predictive Logical Regression	National Conference on Recent Trends in Engineering and Technology	International	2020
4.	Detection of Huntington's Disease in Human DNA Sequence using Numerical Encoding Method and Machine Learning Based Classifier	International Conference on Recent trends and Challenges in Healthcare Informatics	International	2020
5.	Identification of Disease Causing DNA Motifs in Human DNA Using Clustering Approach	ICBBE 2018: 20th International Conference on Biomaterials and Biomedical Engineering, Mumbai, India	International	2018-20(2)

6.	An Approach for Finding Cancer Associated Motifs in Human DNA Sequence	International Conference on Elec Computers, Communication, Mechanical and Computing (EECCMC) (IEEE Confrence)	International	2018-403-409
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10. Academic Research guidance / Supervisor ship:

Name of Research Scholars	Course / M.Phil / Ph.D	Area of Research / Work	Status
Akila Rajini.S	Ph.D	An Amalgamation of Soft Computing Techniques on Classification of Cloud Types for Weather Forecasting	On going
Vishnupriya.C	Ph.D	Detecting Defective DNA motifs to find genetic disease sequence in a Human DNA using SOM	On going
Jeenath Laila.J	Ph.D	Building, implementing and maintaining block chain infrastructure over legacy systems	On going
Merlin Sheeba M	Ph.D	Study of FOG based system with Bi-level Secured Key Generation Approach	On going
Udaya Shanmuga R	Ph.D	An Analysis of Automated Air Pollution Detection And ROI Segmentation for Air Quality Prediction	On going
Durga Devi G	Ph.D	Study and analysis of various security and privacy issues in IoT system using Blockchain technology	On going
Angelin Jeba P	Ph.D	Generation of proteomic big data model for precision medicine	On going
Nandhini K	Ph.D	Analysis and prediction of genome sequences for genetic disorders	On going

11. Sponsored Project done :

a) R & D Project:

Title	Sponsoring Agency	Year	Details of Project	Responsibility	Amount Sanctioned Rs. Lakhs
Detecting Defective DNA motifs to find genetic disease sequence in a Human DNA using SOM	SERB, New Delhi	2017-2020	Finding genetic disease	PI	14.78 L

12 a) Seminars / Schools / Conferences/ Workshops Organised:

S.No	Title	Co-ordinators	Organised By	Month &Year
1.	Vision -09	Prof.G.Tamilpavai	Government College of Engineering, Tirunelveli (CSIR Sponsored)	April 2009
2.	Vision -10	Prof.G.Tamilpavai	Government College of Engineering, Tirunelveli	April 2010
3.	Vision -11	Prof.G.Tamilpavai	Government College of Engineering, Tirunelveli	April 2011
4.	Vision -12	Prof.G.Tamilpavai	Government College of Engineering, Tirunelveli	April 2012
5.	Vision -13	Prof.G.Tamilpavai	Government College of Engineering, Tirunelveli	April 2013

6.	Vision -14	Dr.G.Tamilpavai	Government College of Engineering, Tirunelveli	April 2014
7.	Vision -15	Dr.G.Tamilpavai	Government College of Engineering, Tirunelveli (DBT Sponsored)	April 2015
8.	Vision -16	Dr.G.Tamilpavai	Government College of Engineering, Tirunelveli	April 2016

b) Seminars / Schools / Conferences / Workshops Attended:

Sl.No	Name of the Course	Conducted By	Period
1.	One Week AICTE-ISTE Induction/Refresher Programme on "Pedagogy for the use of ICT to improve quality of teaching and learning"	Government College of Engineering, Tirunelveli	1 Week
2.	Pedagogy for online and blended teaching learning process	IIT Bombay	5 Weeks
3.	Foundation Program in ICT for Education	IIT Bombay	5 Weeks
4.	Hands-on Workshop on Python Programming	Anna University- Anna University Regional Campus, Tirunelveli	2 days
5.	Internet of Things(IoT) in Engineering Applications	Government College of Engineering, Tirunelveli	1 day
6.	Problem Solving and Python Programming	Government College of Engineering, Tirunelveli	4 days
7.	Deep Learning	Mepco Schlenk Engineering College, Sivakasi	1 day
8.	Formulation and Preparation of Research Project Proposals	Mepco Schlenk Engineering College, Sivakasi	2 days
9.	Advanced Image Processing and its Applications	Manonmaniam Sundaranar University, Tirunelveli	7 days
10.	One Week AICTE-ISTE Induction/Refresher Programme on "Pedagogy for the use of ICT to improve quality of teaching and learning"	Government College of Engineering, Tirunelveli	1 Week

13. a.Special / Invited Lectures Delivered:

Sl.No	Topic	Area	Delivered at	Year / Date	Remarks
1.	Preparation Strategy for GATE	CS	Sethu Institute of Technology, Madurai	04.08.2021	SDP
2.	Interactive Learning Techniques	ICT	Government College of Engineering, Tirunelveli	20.11.2018	AICTE-ISTE Induction/Refresher Programme
3.	Recent trends in Computer Science Research	Emerging areas of CS	Dr.Sivanthi Adithanar College of Engineering, Tiruchendur	11.10.2017	INSTAFEST-Symposium Chief Guest
4.	Hands-on	Problem	GCE, Tirunelveli	11.08.2017	FDP

	Workshop on Python Programming	Solving techniques			
5.	Microsoft Office Practice	Computer Science and Engineering	GCE, Tirunelveli	29.06.2017	STTP
6.	IoT, Goal Setting and Belief System	IoT	Thamirabharani Engineering College, Tirunelveli.	17.02.2017	Symposium Chief Guest
7.	R Tool	Big data analytics	FX. Engineering College, Tirunelveli	15.06.2016	FDP
8.	Deep insight into the latest development in Computer Science	Computer Science and Engineering	Mother Thresa College of Engineering, Tuticorin	23.07.2014	Association Inauguration
9.	DMA and interrupts, I/O processors, Measuring and improving cache performance and Virtual memory, TLBs	Computer Architecture	Thiagarajar College of Engineering, Madurai	05.07.2014	FDP on Computer Architecture

b. Resource persons for various events

SI.No	Organization	Purpose	Acted as	Date
1.	SAGE Publication-Concurrent Engineering Journal	Reviewer	Reviewer	Since 2017
2.	Journal of Scientific Research	Reviewer	Reviewer	Since 2016
3.	EPF	Obsolescence of computers	Technical advisor	01.08.2017
4.	Anna University	Affiliation	Committed member	Since 2008
5.	Anna University	Squad	Team member	Since 2008
6.	AICTE, New Delhi	Expert Committee	Member	Since 2017
7.	ACCET, Karaikudi	BOS	Subject Expert	2013-2016
8.	PSN College of Engineering	BOS	Subject Expert	2014-2016
9.	Various Engineering Colleges	International and National Conference	Chair person	Since 2005
10.	Anna University	Valuation	Chairman, Vice chairman and Examiner	Since 2003

14. Membership in professional societies:

Name of the Society	Details of Membership
Biomedical Engineering Society of India	L1203(Life member)
The Institution of Engineers (India)	M-1551528 (Life member)
Indian Society of Technical Education	LM 32922 (Life member)

15. Prizes, Medals and honors received, if any:

Details of award	Awarded for the work	Date
Best Research Idea award	NIT Trichy	2011
Best Presentation Award	<p>Paper Title: Identification of Disease Causing DNA Motifs in Human DNA Using Clustering Approach</p> <p>Paper published at ICBBE 2018: 20th International Conference on Biomaterials and Biomedical Engineering, Mumbai, India</p>	February 22 - 23, 2018

Contribution to the College:

Date of Joining	Years of Experience	Responsibilities held	Nature of activities for the betterment of College
2021	1 year	BOG Sub committee Coordinator	Acted as Coordinator for Finance Committee
2021 & 2020	2 years	TNEA Co-coordinator	Coordinates all kinds of TNEA activities
2019 & 2018	2 Years	TNEA Supervisor	Assist Coordinator for Various TNEA activities
2018	2 years	NBA Coordinator	All NBA related activity
2018	1 Year	Deputy Warden	Take care second student in the ladies hostel.
2017	1 year	Wi-fi cell Coordinator	Maintenance of college campus wide networking and firewall
2015	3 years	Funded Project Coordinator	Download the formats of various funding agents and distribute to the faculty members
2015	3 years	Tech Expo Coordinator	Project list preparation and overall arrangements and visit plan for the event
2017	1 years	Digital India Hackathon Coordinator	List preparation and consolidate the work and submit the same to DOTE chennai
2012	5 years	BOG Sub committee Member	Acted as members for various sub committee like purchase, institution development, library and academic committee
2011-2016	5 Years	TNCET Coordinator	Coordinates all kinds of TNCET activities

Contribution to the Department:

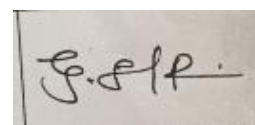
Date of Joining	Years of Experience	Responsibilities held	Nature of activities for the betterment of College
2001	18 years	Purchase Committed Member	2001
2009-2011	2 years	Head of the Department	2009-2011
2001	18 years	Faculty Advisors	2001
2005-2017	12 years	Conference Coordinator	2005-2018
2014-2018	4 years	Tech expo coordinator	2014-2019

16.a).Faculty travel for official purpose:

SI.No	Purpose	Period	Place

16.b). Industrial Visits

SI.No	Date	Name of the Industry	Remarks
1	21.03.2016	Company Visit-(Solar Physical Observatory, Research Dept)	
2	22.03.2016	FM Station	



Signature