

## FACULTY PROFILE

Name of the Staff : **Dr. Genish T**  
Official Address : Assistant Professor  
ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE,  
VALLAL ARUMUGAM PILLAI ROAD, TIRUPPATTUR – 630 211.  
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### Personal Details:

Age : 37  
Date of Birth : 31/05/1988  
Sex & Marital Status : Male & Married  
Blood Group : A+  
Citizenship : Indian  
Department : COMPUTER SCIENCE  
Date of Joining : 05/03/2024

### Qualification:

Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
Ph.D	Computer Science	Highly Commended	07/2017	The Gandhigram Rural Institute - Deemed University
M.Sc	Information Technology	84.4	04/2010	Gandhigram Rural University
B.Sc	Information Technology	75	04/2008	Madurai Kamaraj University

### Professional Experience:

### Teaching Experience:

Designation	Institute/University	Period		Nature of Duties
		From	To	
Assistant Professor	Parvathy's Arts and Science College, Dindigul	09/10/2014	15/02/2016	Teaching
Assistant Professor	Sakthi College of Arts and Science, Oddanchatram	01/12/2016	17/06/2017	Teaching
Assistant Professor	Karpagam Academy of Higher Education, Coimbatore	21/06/2017	12/06/2021	Teaching
Assistant Professor	KPR College of Arts Science and Research, Coimbatore	14/06/2021	01/03/2024	Teaching
Assistant Professor	E.S.Subramaniam Memorial College of Arts and Science, Thiruvallur	25/01/2013	04/10/2014	Teaching
Assistant Professor	E.S.Subramaniam Memorial College of Arts and Science, Thiruvallur	17/02/2016	30/11/2016	Teaching
Assistant Professor	Arumugam Pillai Seethai Ammal College, Tiruppattur	05/03/2024		Teaching

**Area of specialization:**

S.No	Title
1	Medical Image Processing, Computer Networks, Data Mining

**Course Taught:**

S.No	Course Title	U.G. or P.G
1	Computer Networks, Programming in C++, Programming in Java, Database Management System	U.G

**H-Index:**

Research Gate	Google Scholar	Scopus	Web Of Science
0	5	3	1

**Development or Training Activity:****Organized:**

S.No	Role	Title	Period		No. of Participants	Course Type	Type of Program
			From	To			
1	Organising Secretary	International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'24)	02/02/2024	02/02/2024	300		International Conference
2	Organising Secretary	International Conference on Recent Trends in Computer Science and Data Analytics (ICRTCSDA'23)	03/02/2023	03/02/2023	350		International Conference
3	Participant	FDP on Cybersecurity Essentials & IoT Applications	29/06/2022	07/07/2022	15	FDP	Faculty Development
4	Participant	FDP on Data Science	15/07/2021	23/07/2021	12	FDP	Faculty Development
5	Participant	Refresher Course	20/04/2018	10/05/2018	75	Refresher Course	Refresher Course
6	Participant	Workshop on Medical Image Processing	11/02/2015	13/02/2015	30		Workshop
7	Participant	Workshop on Recent Trends In Medical Image Diagnostics	25/05/2012	26/05/2012	40		Workshop
8	Participant	National Seminar on Fuzzy Mathematical Morphology in Image Processing	21/07/2011	22/07/2011	50		Seminar

S.No	Role	Title	Period		No. of Participants	Course Type	Type of Program
			From	To			
9	Participant	Short term course on Medical Imaging and image Analysis	18/04/2011	23/04/2011	25		Short Term Course

#### Expert Lecture Delivered/Judge:

S.No	Title	Period		Venue
		From	To	
1	Research Trends and Technologies of Computer Applications in Multi-Disciplinary Stances	28/06/2022	02/07/2022	The Gandhigram Rural Institute (Deemed to Be University)
2	Internet of Things (IoT)	16/03/2021	16/03/2021	Sakthi College of Arts and Science for Women, Oddanchatram

#### Membership in Professional bodies:

S.No	Name of the society	Grade of Membership
1	International Association of Engineers	Member

#### Awards:

S.No	Title
1	Acted as Expert Committee Member for the "National Conference on Future Trends in Data Science and Analytics"
2	Received "Best Researcher Award" from KPR College of Arts Science and Research, Coimbatore during 2023.
3	Awarded Best Paper award in SRM University, Chennai in 2020
4	Awarded Ph. D fellowship in Gandhigram Rural Institute- Deemed University, Gandhigram.

#### Research Achievements:

#### International Journal Publications:

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
1	A Competitive Segmentation of the Human Brain using Artificial Neural Network Approach Towards MRI	Scalable Computing: Practice and Experience	24, 1011-1019	11/2023	Published
2	Machine Learning Based Technique to Learn Hippocampal Atrophy from Axial MRI for Alzheimer's Disease Diagnosis	Scalable Computing: Practice and Experience	23, 81-90	10/2022	Published

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
3	A Precise Computational Method for Hippocampus Segmentation from MRI of Brain to Assist Physicians in the Diagnosis of Alzheimer's Disease	International Journal of Computational Intelligence and Applications	21	09/2022	Published
4	The Identification of Hippocampus from MRI of Human Brain Using Cluster and Filtering	Journal of Advanced Research in Dynamical & Control Systems	11, 580-585	07/2019	Published
5	Segmentation of hippocampus from human brain MRI using mathematical morphology and fuzzy logic	IEEE Xplore	269-273	12/2012	Published
6	The extraction of hippocampus from MRI of human brain using morphological and image binarization techniques	IEEE Xplore	1-5	02/2014	Published
7	An Approach to Segment the Hippocampus from T2-Weighted MRI of Human Head Scans for the Diagnosis of Alzheimer's Disease Using Fuzzy C-Means Clustering	Trends in Mathematics	333–342	01/2019	Published
8	An atlas based approach to segment the hippocampus from MRI of human head scans for the diagnosis of Alzheimers disease	International Journal of Computational Intelligence and Informatics	5, 7-13	06/2015	Published
9	Modified Otsu thresholding technique	Communications in Computer and Information Science	28, 445–448	02/2012	Published
10	Binarization of MRI with intensity inhomogeneity using K-Means clustering for segmenting Hippocampus	The International Journal of Multimedia & Its Applications	5, 11-19	02/2013	Published
11	Dynamic Cluster Head Optimization for Multipath Routing in Mobile Ad Hoc Networks via Hybrid Stochastic Bandgap Optimization Mixstyle Neural Networks.	International Journal of Communication Systems	38	03/2025	Published

#### International Book Publishing:

S.No	Title Of The Book	Name Of The Publisher	Type	Year Of Publishing
1	Building Sustainable Changing Infrastructure – Smart Solutions	Springer	International	2023
2	Biomass Renewable Energy: Introduction and Application of AI and IoT	Springer	International	2023
3	The Role of Artificial Intelligence in Renewable Energy	Springer	International	2023
4	Security and Privacy Issues in Internet of Medical Things	Elsevier	International	2023
5	Machine and Deep Learning Techniques in IoT and Cloud	Taylor & Francis	International	2021

**Innovation and Intellectual Property:****Patent:**

S.No	Date of Filing Main Application	Title of the Invention	Name of the Inventors	Month & Year	Patent Number	Field of Invention	Description of the Invention
1	10/11/2023	Graphical Password	Dr. T. Genish	12/2023	202341076973 A	Artificial Intelligence	Graphical Password
2	10/11/2023	Fingerprint Engine Starter	Dr. T. Genish	12/2023	202341076878 A	Artificial Intelligence	Fingerprint Engine Starter
3	30/12/2020	Activity Monitoring System and Method of Behavioural Recognition and Prediction Analysis Thereof	Dr. T. Genish	01/2021	202041057099	Internet of Things	Activity Monitoring System and Method of Behavioural Recognition and Prediction Analysis Thereof