


## Curriculum Vitae

Name & Photo	<p><b>Dr.J.NITHYASHRI</b></p> 
Present Designation	PROFESSOR
Qualification	M.E., Ph.D
Area of Specialization	COMPUTER SCIENCE AND ENGINEERING
Experience	Educational : 20 YEARS
	Industrial : NIL
No. of Workshops / Conferences / FDP attended/Organized	<p><b>WORKSHOPS</b> Attended: 18 Organized:4</p> <p><b>WEBINARS</b> Attended: 4 Organized: 3</p> <p><b>CONFERENCES</b> Presented: 11 Organized :1</p>
No. of Funded Projects	1
No. of Patents published	2
No. of Publications	<p>National Journals: 2 International Journals : 13 <b>[Scopus Indexed - 4, UGC approved – 1]</b></p>
	<p>National Conferences: 4 International Conferences : 7</p>
	<p>Books : 2 National : 1 International : 1</p>

<b><u>Personal Information</u></b>	<b>Education</b>
<p>Nationality : <i>Indian</i></p> <p>D.O.B: 22-05-1978</p> <p>Phone : 044-27424966 (R) +91 9443620401 (M)</p> <p>E-mail : <a href="mailto:nithyashri.ranjith@gmail.com">nithyashri.ranjith@gmail.com</a></p>	<p><b>Ph.D.</b>, (2008–2016) , Department of Computer Science &amp; Engineering, Sathyabama University, Chennai, India.</p> <p><b>M.E.</b>, (2003 – 2005), Department of Computer Science &amp; Engineering, Sathyabama University, Chennai, India.</p> <p><b>FIRST CLASS</b></p> <p><b>BE.</b>, (1996–2000), Department of Computer Science &amp; Engineering, VRS College of Engineering &amp; Technology, University of Madras, Chennai, India.</p> <p><b>FIRST CLASS</b></p>
<p><b>Present Address :</b> #2,Chinnamman koil street, Chengalpattu- 603002, Tamilnadu, INDIA.</p>	<p><b>Research Interests</b></p> <ul style="list-style-type: none"> <li>✓ Pattern Recognition</li> <li>✓ Image Processing</li> <li>✓ Computational Intelligence</li> <li>✓ Neural Networks</li> <li>✓ Human Computer Interaction.</li> </ul>
<p><b>Present Designation :</b> PROFESSOR &amp; HEAD Department Of CSE, Karpaga Vinayaga College of Engineering, Palayanoor, Chengalpet- 603308, Tamilnadu. INDIA.</p>	<p><b>Workshop/FDP/Seminar/Courses Attended</b></p> <ul style="list-style-type: none"> <li>✓ FDP-Computer Organization &amp; Architecture, IIT, Chennai.</li> <li>✓ National Seminar on Pattern Recognition, Periyar University, Salem.</li> <li>✓ Workshop on Web Technology, SSN College of Engineering, Chennai.</li> <li>✓ Workshop on Software tools for intelligent processing of images, Sathyabama University, Chennai.</li> <li>✓ International Workshop on Content Based Image Retrieval &amp; Fusion, MIT, Chennai.</li> </ul>
	<p><b>Online Courses Completed</b></p> <ul style="list-style-type: none"> <li>✓ The Data Science course 2019: Complete Data Science Bootcamp- Udemy, December 2019.</li> <li>✓ Mathematics for Machine Learning, Course Era, May 2020.</li> <li>✓ Neural Networks and Deep Learning, Course Era, May 2020.</li> <li>✓ Introduction to Big Data, Course Era, June 2020.</li> </ul>

**References :****Dr. G.Kulanthaivel**

Professor & Head, Dept. of  
Electronics & Communication  
Engineering, NITTTR,  
Taramani, Chennai, India.  
91-9444189486  
e-mail : gkvel<sup>dr</sup>@gmail.com

**Dr. T.Sasikala**

Dean, School of Computing,  
Sathyabama Institute of  
Science & Technology  
Chennai - 600119  
91-9884803625

- ✓ Online Industrial Training on "Artificial Intelligence & IoT" from 19/04/2021 to 11/05/2021 [ 21 Days] Organized by Institute for Design of Electrical Measuring Instruments(IDEMI), MSME, Govt. Of India, Mumbai.

**Webinar Attended**

- ✓ "Webinar on Relevance of IEEE Standards in Teaching Learning and Industry Collaborations ", 4<sup>th</sup> June 2020.
- ✓ "International Webinar on Computer Communication & Virtualization Technology", organized by IEEE & NITTTR, on 25<sup>th</sup> June 2020.
- ✓ "International Webinar on Assistive Technology Engineering", organized by IEEE & NITTTR, on 10<sup>th</sup> July 2020.
- ✓ "International Webinar on Machine Learning using MATLAB", organized by & NITTTR, on 31 July 2020.

**Workshop/FDP/Seminar Organized**

- ✓ Co-convenor, IEI sponsored workshop, "Machine Learning using Python", at Jeppiaar SRR Engineering College, on 4<sup>th</sup> July, 2018.
- ✓ Convenor, Faculty Training Programme, "Real time applications using Python", at Jeppiaar SRR Engineering College on 13<sup>th</sup> & 14<sup>th</sup> ,Dec 2018.
- ✓ Convenor, workshop on "Kickstarter to Digital Forensic Investigation", at Jeppiaar SRR Engineering College on 21<sup>st</sup> and 22<sup>nd</sup> ,Feb,2019.
- ✓ Convenor, Webinar on "Cyber Security", at Karpaga Vinayaga College of Engineering Technology, on 7<sup>th</sup> Dec 2020.
- ✓ Convenor, Webinar on "An approach to Cloud Development using DevOps", at Karpaga Vinayaga College of Engineering Technology, on 18<sup>th</sup> Dec 2020.
- ✓ Convenor, Webinar on "Smart City Empowering Citizens ...Enabling Leaders", at Karpaga Vinayaga College of Engineering Technology, on 21<sup>st</sup> Dec 2020.
- ✓ Convenor, Workshop on "Enhanced Postgre SQL for Enterprise Applications", at Karpaga Vinayaga College of Engineering Technology, on 24<sup>th</sup> Dec 2020.

- ✓ Convenor, Webinar on “Emergence of Progressive Web App”, at Karpaga Vinayaga College of Engineering Technology, on 26<sup>th</sup> Dec 2020.
- ✓ Convenor, National Conference on “Applied Data Science and Information Technology”, at Karpaga Vinayaga College of Engineering Technology, on 30<sup>th</sup> Jan 2021.

### **Reviewer/Editor of Journals**

- ✓ Reviewer, “Journal of Cases on Information Technology”(JCIT),ISSN : 1548-7717.[Scopus Indexed]
- ✓ Reviewer, “Journal of Emerging Technologies and Innovative Research”(JETIRT),ISSN : 2349-5162.[UGC approved Journal]
- ✓ Reviewer, “American Journal of Science,Engineering and Technology”(AJSET),ISSN : 2578-8345.
- ✓ Reviewer, “Journal of Computer Science”(JCS), ISSN: 1549-3636.[Scopus Indexed]
- ✓ Reviewer & Editor, “International Journal of Digital Strategy, Governance and Business Transformation”(IJDSGBT),ISSN : 2643-8054.

### **Book Publication**

- ✓ Published a book on “ System Software”, TataMcgraw Hill, 2008.
- ✓ Published a book on “Theory of Computation”, Lambert Academic Publication, Germany, 2017.

### **Patent Published**

Title of the invention: The present innovation relates to automatically detect the early stage of breast cancer using mobile phone.

Publication date: 12/3/2021.

Title of the invention: A system for monitoring solar photovoltaic based on IoT technology.

Publication date: 21/1/2022.

### **Awards & Recognition**

- ✓ Best Faculty Award for the year 2003, in AVIT, Paiyanoor, Chennai.

- ✓ Best Faculty Award for the year 2006, in SRR Engineering College, Chennai.
- ✓ Biography included in MARQUIS Who's Who in Science and Engineering, U.S.A. in 2008 - 2009 , 2009-2010,2011-2012,2012-2013, 2018-2019,2019-2020 and 2020-2021.
- ✓ Albert Nelson Marquis Lifetime Achievement Award-2018 from Marquis Who's Who, U.S.A., April, 2018.
- ✓ Speaker for the topic" Project selection ", in CSI sponsored student's workshop, 13<sup>th</sup> March 2018, Jeppiaar SRR Engineering college, Chennai.
- ✓ Technical & Advisory committee member for many International and National Conferences.
- ✓ Session chair for the International Conference on Innovations in Engineering and Sciences", organized by Jeppiaar SRR Engineering college, Chennai, during 23<sup>rd</sup> & 24<sup>th</sup> March 2018.

#### **Funded Projects**

- ✓ Received a grant from TamilNadu State Council for Science & Technology(TNSCST) for the project titled "Intelligent classification of human age group using active appearance model and k-nearest neighbour classifier", during the academic year 2016-2017 .

#### **Resource Person/Guest Speaker in Faculty Development Programmes /Seminars**

- ✓ Guest speaker for the Seminar titled "System Software" on 11.09.2008 at Karpaga Vinayaga College of Engineering & Technology, Chengalpet.
- ✓ Resource Person for AICTE sponsored FDP on "Theory of Computation" on 05.05.2015 at Jeppiaar Engineering College, Chennai.
- ✓ Resource Person for Anna University sponsored FDTP on "Compiler Design "on 22.01.2016 at Jeppiaar Engineering college, Chennai.
- ✓ Speaker for the seminar on"Project selection & Documentation", sponsored by Computer Society of India, organized by, Jeppiaar SRR Engineering college, Chennai 13<sup>th</sup> March 2018.

- ✓ Speaker for the seminar on “Challenges & Scope in Various fields of Computer Science” on 19-12-2018 at Jeppiaar SRR Engineering College, Chennai.
- ✓ Resource person for the 5 days Faculty Development Programme on “Digital Image Processing and its Techniques”, organized by the School of Computer Information & Mathematical Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, from 6<sup>th</sup> July to 10<sup>th</sup> July 2020.

### **Roles & Responsibilities**

- ✓ ISO co-ordinator from 2008 to till date
- ✓ Co-ordinator for Entrepreneur Development Cell.
- ✓ Convenor for the technical symposia “Techzest” from 2006 to 2009.
- ✓ Organized Paper Presentation Contest, Sept-2017, March-2018, Sept 2018 & March 2019.
- ✓ Software/System/Printer maintenance & Service.
- ✓ Co-ordinator for Mind - spark club.

### **Professional Memberships**

- ✓ Life time member of Indian Society for Technical Education (ISTE)
- ✓ Fellow member of Institution of Engineers (IE)
- ✓ Member of International Association of Engineers (IAENG)
- ✓ Member of International Computer Science and Engineering Society (ICSSES)
- ✓ Member of Institute For Engineering Research and Publication (IFERP)
- ✓ Member of Institute of Scholars (InSc)

### **Academic Experience**

- |  |                      |
|--|----------------------|
| 1. Professor & Head<br>Department of Computer Science & Engineering,<br>Karpaga Vinayaga College of Engineering ,<br>Chengalpet -603308. | Nov 2020 to May 2022 |
| 2. Professor<br>Department of Computer Science and Engineering,<br>Prince Shri Venkateshwara Padmavathy Engineering,                     | Oct 2019 to Nov 2020 |

college, Ponmar, Chennai -127.

3. Associate Professor & HOD, July 2004 to April 2019  
Department of Computer Science & Engineering,  
Jeppiaar SRR Engineering College, Chennai.

4. Lecturer, Dec 2000 to June 2004  
Department of Computer Science & Engineering  
Aarupadai Veedu Institute of Technology, Chennai.

5. Lecturer, June 2000 to Nov 2000  
Department of Computer Science & Engineering,  
Dr. Navalar Nedunchezhiyan College of Engineering,  
Trichy.

## PUBLICATIONS

### International Journals

1. Nithyashri, J., Dr. G. Kulanthaivel, Neural Network Based Age Classification Using Linear Wavelet Transforms, International Journal of Internet Computing (IJIC), Vol.1, No.3, pp.62-67, 2012
2. Nithyashri, J., Dr. G. Kulanthaivel, Age Classification Using Discrete Wavelet Transform and Adaptive Resonance Theory Network, International Journal of Advanced Computing (IJAC), Vol.35, special issue (2), pp.286-291, 2012.
3. Nithyashri, J., Dr. G. Kulanthaivel, Comparative Analysis of Classification Techniques in Human Age using Feature Extraction, Pensee Journal, ISSN: 0031-4773, Vol. 76, issue. 7, pp. 74-80, July, 2014, [listed in Annexure-II].
4. Nithyashri, J., Dr. G. Kulanthaivel, A Gaussian Mixture Model Approach for Classifying the Human Age using DWT and Sammon Map", Journal of Computer Science, ISSN: 1549-3636, Vol. 10, issue. 11, pp. 2292-2298, 2014. [ **Scopus indexed** ]
5. Rajkumar V, Nithyashri, J. Identifying the human age group using K-NN classifier and Active Appearance Model, International Journal of Emerging Trends in Science & Technology, Vol.3, issue 6, pp. 4157-4162, June 2016.
6. R. Aruna Sankari, S. Bavithra, Dr. J. Nithyashri, Cervical Cancer Detection Using Support Vector Machine, International Journal of Emerging Trends in Science & Technology, Vol.4, No.3, March, 2017.
7. G. Mahesh, M. Mohammed Irfan, Dr. J. Nithyashri, Brain Tumour Detection using Support Vector Machine, International Journal for Science & Advance Research in Technology, Vol.4, issue(4), pp. 598-

601, April 2018.

8. Dr.J.Nithyashri , S.Divyalakshmi, N.Mohanapriya, Retinal Fundus Image Segmentation Using Watershed Algorithm, International Journal of Research in Engineering and Technology, Vol.6, issue(3), pp. 1625-1630, March 2019.
9. Dr.J.Nithyashri, Shereena Ferby.W, Sumithra.N, Intelligent Classification of Liver Images Using Back Propagation Network, International Journal of Engineering Science and Computing, Vol.9, issue(3), March 2019.
10. J. Josy Cerlin , S. Cinthiya, Dr.J.Nithyashri, IOT based Agricultural Field Monitoring System, "International Journal of Research and Technology, Vol.8, issue(2), 2020.
11. Pravin Kumar.A, Praveen Kumar.D, Dr.J.Nithyashri , GUI Application of best traffic route prediction for accident analysis using machine learning algorithm, Journal of Emerging Technologies and Innovative Research, Vol.7, issue(5), 2020. **[UGC approved journal]**
12. V.Kamatchi Sundari , J.Nithyashri , S.Kuzhaloli , Jayasudha Subburaj , P.Vijayakumar , P.Subha Hency Jose, Comparison Analysis of IoT based Industrial Automation and Improvement of Different Processes-Review, Journal of Materials Today, Elsevier, 2020. **[Scopus Indexed]**
13. Dr.Sudha Rajesh , Dr. M. Mercy Theresa, Dr.J.Nithyashri, Dr. S. Jaanaa Rubavathy, A Study On Online Spam Review Detection Methods by Machine Learning Approach, Turkish Journal of computer and mathematics education, vol.12(9), pp.1292-1304, 2021. **[Scopus Indexed].**

#### **National Journals**

14. Nithyashri.J, Dr.G.Kulanthaivel, Classifying the Human Age Using Discrete Wavelet Transform, KNN Classifier and MORPH Database", Journal of Computer Applications, Vol.6, No.4, pp.102-106, Dec, 2013.
15. Nithyashri.J, Dr.G.Kulanthaivel, Facial Age Classification Using Discrete Wavelet Transform and K-Nearest Neighbour Classification", Journal of Computer Science Engineering and Information Technology Research, Vol.4, No.2, pp.7-16, April, 2014.

#### **International Conference**

16. Nithyashri.J, Dr.G.Kulanthaivel, Classification of Human Age Based on Neural Network Using FG-NET Aging Database and Wavelets, IEEE, Fourth International Conference on Advanced Computing



(ICoAC), organized by Madras Institute of Technology (MIT), Chennai, during 13<sup>th</sup> to 15<sup>th</sup> Dec,2012. [**Scopus Indexed**]

17. Nithyashri.J, Dr.G.Kulanthaivel, Performance of ART in Classifying the Human Age using FG-NET and Scanned images, **IEEE International Conference on Computing, Cybernetics and Intelligent Information Systems** , organized by Vellore Institute of Technology(VIT), Vellore, pp.115-119,during 21<sup>st</sup> to 23<sup>rd</sup> Nov,2013.
18. Nithyashri.J, Dr.G.Kulanthaivel, Comparative Analysis of Feature Extraction Techniques for Classifying the Human Age using K-NN”, International Conference on Photonics, VLSI and Signal Processing, organized by Kakatiya University, Warangal, pp. 705-708, during 28<sup>th</sup> and 29<sup>th</sup> March,2014
19. Nivedhitha. I, Noorul Arsiya , Dr. Nithyashri.J, A new approach for effective encrypted reversible data embedding using stream encryption, “International Conference on Information & communication technology”, organized by Savitha Engineering College, held on 23<sup>rd</sup> March 2017.
20. Sowmiya. R, Suganthi. S, Nithyashri. J, Determination of Tumor cell heterogeneity from MRI calibrated with histological data,” International Conference on Innovations in Engineering and Sciences”, organized by Jeppiaar SRR Engineering college, Chennai, during 23<sup>rd</sup> & 24<sup>th</sup> March 2018.
21. Deepshika .R, Abirami.T, Nithyashri. J, Detecting and preventing IP spoofing, phishing attack,” International Conference on Innovations in Engineering and Sciences”, organized by Jeppiaar SRR Engineering college, Chennai, during 23<sup>rd</sup> & 24<sup>th</sup> March 2018.
22. Dr.J.Nithyashri, K.Sivanandhini,R.Suvalakshmi, Emotion based Music Recommendation System Using Convolutional Neural Network, International Conference on Intelligence in Computation, Communications and Robotics (ICICCR), organized by Bharath Institute of Higher Education and Research, during 22<sup>nd</sup> and 23<sup>rd</sup> Feb,2019.

#### **National Conference**

23. Nithyashri. J, Parvthavarthini. B, Age invariant face recognition using template matching algorithm ,” National Conference on Emerging trends in VLSI, Embedded and Nano Technologies, January 27<sup>th</sup> & 28<sup>th</sup> ,2011.
24. Nithyashri J. and Kulanthaivel G, Edge Based Gabor Wavelet Transform for Extracting Facial Features, Second National Conference on Frontiers in Applied Sciences and Computer Technology(FACT - 2013), organized by National Institute of Technology (NIT), Trichy, pp.

297-301, during 23<sup>rd</sup> and 24<sup>th</sup> May,2013.

25. Nithyashri J. and Kulanthaivel G, Gabor Wavelet Versus Discrete Wavelet Transform for Extracting Facial Features, Fifth National Conference on Signal Processing, Communications and VLSI design(NCSCV), organized by Anna University, Coimbatore, pp.401-404, during 10<sup>th</sup> and 11<sup>th</sup> May,2013.
26. Manju Priya D, Dr.J.Nithyashri, BRE-LEACH: An advanced LEACH protocol to increase efficiency of WSN, Virtual National Conference on Applied Data Science and Information Technology, organized by Karpaga Vinayaga College of Engineering and Technology, on 30<sup>th</sup> Jan, 2021.

**Declaration :** I hereby declare that all the statements made above are true to the best of my knowledge and belief.

[ Dr. J.NITHYASHRI]