



**Dr. N. PALANIVEL, M.E., Ph.D.**

**Communication Address**

# 23, Power House Road,  
East Pandy Road,  
Villupuram –605 602,  
Villupuram District, Tamil Nadu  
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**Professional Objective:** Seeking a responsible position as an Associated Professor in Computer Science and Engineering which will effectively utilize my skills, knowledge and enabling me to work dynamically towards the growth of an organization in order to create a holistic learning process.

**Professional Experience : Teaching : 15+ Yrs**

- **Associate Professor**, From 10<sup>th</sup> August, 2016 to till date in the Department of Computer Science and Engineering, Manakula Vinayagar Institute of Technology, Puducherry. (5 Years 3 month)
- **Asst. Professor**, 5 years 2 months in the Department of Computer Science and Engineering, Manakula Vinayagar Institute of Technology, Puducherry, from June 6, 2011 to August 10<sup>th</sup> 2016
- **Senior Lecturer**, 3 years in the Department of Computer Science and Engineering, Mailam Engineering College, Mailam, from June 6<sup>th</sup> 2008 to June 5<sup>th</sup> 2011
- **Lecturer**, 2 years in the Department of Computer Applications, Mailam Engineering College, Mailam, from June 1<sup>st</sup> sep 2004 to June 5<sup>th</sup> 2006
- **Programmer**, 1 year 11 months in the Department of Computer Applications,, Mailam Engineering College, Mailam, from Sep 1, 2002 to August 30 2004.

**Total Teaching Experience:** 15years and 5 months (Both PG & UG)

**Subjects Handling:**

- **At Graduate Level:** Database Management System, Platform Technology, Enterprise Solutions, Digital system and Design, Microprocessor and its Applications, Computer Organizations, Grid Computing, Mobile Computing, and Cloud Computing.
- **At Post Graduate Level:** Web Graphics, Computer Architecture, Relational Database Management system, Microprocessor and Microcontroller and E-Commerce.

**Research Experience:** 5+ years (From 2016 to till date)

- **Govt. of Puducherry**, Department of Agriculture and Farmers welfare, **Mobile Application** for scheme Assistance created on 06<sup>th</sup> August 2021.
- **Guiding Final Year Projects** (UG and PG students) in Computer science and Engineering and Computer Applications.
- International Conference and Journal are Published **IEEE, Tylore and Francis**, Design Engineering (Toronto), Aquatic science and etc.,
- Currently **Co-Guiding 3 Research Scholar** in Annmalai University
- Under the my preparation **AICTE – MODROB**(Modernisation and removal of obsolenscence) (Modernisation of Enterprise solutions Lab) 9 Lakhs funding is got at July 2021.

## Technical Experience

- **MIS – Head in DDU GKY Project** ( Feb'21 to Till date)
- The Institution of Engineers (India) Puducherry State Center **Website creation and Maintaining** in Last 5 years.
- To **Design** all engineering requirements and knowledge in Photoshop, Illustrator, In design for Last 15 Years
- **Session Chair in IEEE** sponsored International conference (ICSCAN 20 & ICSCAN '21)
- **Maintaining the Computer Lab** in Department of Computer Science and engineering for Last 10 years
- **Maintain the College Websites** and knowledge in Web Technology for Last 10 years

## Education Qualification

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2011 – 2016	Manonmaniam Sundaranar University Tirunelveli, Tamil Nadu <b>Completed – June 2016</b>	<b>Ph.D (CSE)</b>
2006 – 2009	Mailam Engineering College, Mailam. Anna University, Chennai (TN) <b>First Class – 74.4%</b>	<b>M.E. (CSE)</b>
2001– 2004	Madurai Kamarajar University Madurai, Tamil Nadu <b>First Class – 68.09%</b>	<b>MCA</b>

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## Areas of Specialization:

- Computer Vision and Machine Learning.
- Big-Data Analytics.
- 3D Modeling.

## Professional Membership & Certification

1. Life Member in Indian Society for Technical Education
2. Member in Computer Society of India
3. Oracle Java SE7 Certification

## Books Chapter:

1. Published a Book Chapter “A Novel Adaptive authentication Scheme for securing Medical Information stored in Clouds”, River Publishers, Alsbjerg Vej 10, 9260 Aalborg, Denmark, 2021.
2. Published a Book Chapter “Cyber Security and Operation management in industry 4.0 ”, Taylor and Francis 2021.

**Patent :**

1. Published a Patent in Portable smart PET feeder, Design no 346482-002, on 20-07-2021
2. Published a Patent in Smart PET feeder, Design no 346482-001, on 20-07-2021

**International Journals :**

1. Dr. N Palanivel, R Indumathi, M Siddiqa, N Surendar, AM Ibrahim "Design and development of mobile app for Production incentives for cultivation of various crops" International Journal of Design Engineering, ISSN: 0011-9342 | Vol.2021, Issue 7, Pg.10585-10597, 2021 [Scopus]
2. Dr.N. Palanivel, "Secure Online Voting System In Smart Device", International Journal of Aquatic Science, ISSN No. 2008-8019; Volume 12, Issue 3 - Serial Number 3, Pages 1902-1910, Year 2021. [WOS]
3. Dr.N. Palanivel, "Recommendation System Based Smart Shopping Cart", International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.7, Issue 5, page no.908-914, May-2020.
4. Dr.N. Palanivel, "Image Forgery Detection using Support vector Machine" International Research Journal of Engineering and Technology, Vol 6, Issue 3, e-ISSN: 2395-0056 on Mar 2019.
5. Dr.N. Palanivel, "Study on Static and Dynamic Traffic Control Systems" International Journal of Pure and Applied Mathematics, Volume 119 No. 12 2018, ISSN: 1314-3395 Page No. 565-579. [Scopus]
6. Dr.N. Palanivel, "PCA AND RF: AN AUTOMATIC PLANT LEAF DISEASE DETECTION USING TEXTURE, SHAPE AND COLOR FEATURES" International Journal of Engineering Applied Sciences and Technology, 2017 Vol. 2, Issue 5, ISSN No. 2455-2143, Pages 120-125.
7. Dr.N. Palanivel, "Identification of Leaf disease using Fuzzy c-mean and kernal fuzzy c-mean and suggesting the pesticides" International Journal of Advanced Research in Science, Engineering and Technology (IJARSET ), Volume 2 Issue 2, May 2017
8. Dr.N. Palanivel, "Automatic Detection And Notification of Potholes and Hump to the Aid Drivers", International Journal of Innovative Research and Advanced Studies (IJIRAS), Volume 4 Issue 4, April 2017
9. N. Palanivel and M.Vasanthapriya, "Real-Time People Tracking and Counting System Using Kalman Filter" International Journal of Engineering Applied Sciences and Technology, 2016 Vol. 1, Issue 6, ISSN No. 2455-2143, Pages 17-22.
10. K. Seetharaman , N. Palanivel and M.Vasanthapriya, "An Efficient Real Time People Counting System based on Identification and Tracking using Surveillance Camera" International Journal of Advanced Research in Computer Science Engineering and Information Technology, Volume: 4, Issue: 3, Special Issue:1, ISSN\_NO: 2321-3337, Mar, 2016.

11. N.Palanivel, M.Vasanthapriya and R.Heera, "Moving object detection and methods: A Review" – International Journal of Computing Technologies, (2278 – 3814) / # 27 / Volume 4 Issue 11, 2015.
12. K. Seetharaman, N. Palanivel and Sowmya.D "Video Segmentation in Dynamic Texture Using Weber's Law for Monitoring Different Environments" IJISSET - International Journal of Innovative Science, Engineering & Technology, Vol. 1 Issue 2, April 2014.
13. K. Seetharaman, N. Palanivel and K. Maruthavanan "Histogram validated object removal strategy using spatiogramic technique" International Journal of Advanced Research in Computer Science Engineering and Information Technology, Volume- 4 : Issue-4 March 2014.
14. K. Seetharaman, N. Palanivel and R. Indumathi "Post Invariant Face Recognition Using HMM and SVM with PCA for Dimensionality Reduction" International Journal of Advanced and Innovative Research ISSN :2278-7844, Volume 3, Issue 1, January 2014.
15. K. Seetharaman and N. Palanivel "Texture characterization, representation, description, and classification based on full range Gaussian Markov random field model with Bayesian approach" International Journal of Image and Data Fusion, ( **Taylor & Francis** ) ISSN: 1947-9832 Volume 4, Issue 4, 2013, pages 342-362. [Scopus]

### **International Conferences**

1. Presented by a paper entitled "File Access Management System and Authentication" International Conference on Global Business strategy in Competitive Environment held at Sri Sai Ram Engineering College, Chennai on 21<sup>st</sup> and 22<sup>nd</sup> September 2007.
2. Presented by a paper entitled "Recovery of background partial occlusion motion blur using Hybrid Camera" in International Conference on Systems, Methodologies, Automation and Reseach Trends (SMART) conducted by Sri Manakula Vinayagar Engineering College on 12<sup>th</sup> – 14<sup>th</sup> December 2012.
3. Presented by a paper entitled "Detection of Text string from Natural Image using color reduction technique" in International Conference on Systems, Methodologies, Automation and Research Trends (SMART) conducted by Sri Manakula Vinayagar Engineering College on 12<sup>th</sup> – 14<sup>th</sup> December 2012.
4. Presented by a paper entitled "Object removal strategy using spatiogramic technique" in IEEE - International Conference on Information Communication and Embedded Systems (ICICES2014) conducted by SA Engineering College on 2014.
5. Presented by a paper entitled "Pose invariant face recognition using HMM and SVM using PCA for dimensionality reduction" in IEEE - International Conference on Information Communication and Embedded Systems (ICICES2014) conducted by SA Engineering College on 2014.

6. Presented by a paper entitled “Automated Attendance Systems Using Face Recognition by K-Means Algorithms” in IEEE - IEEE International Conference on System, Computation, Automation and Networking (ICSCAN2019) conducted by Manakual Vinayagar Institute of Technology on 2019.
7. Presented by a paper entitled “Automatic Number Plate Detection in Vehicles using Faster R-CNN” in IEEE - International Conference on Advances in Computing and Information Technology (ICACIT’19) conducted by Annamalai University on 2019.
8. Presented by a paper entitled " Automatic Detection and Recognition of Number Plates on Bike Riders without Helmet in Vehicles using Faster R-CNN ", IEEE-International Conference on Systems, Computation, Automation and Networking, 2020.

### **National Conferences**

1. Published a paper entitled “Transmission Control Protocol in Network Management” @ National Conference on Recent Trends in information science and computing [I cube’08] held at Rajiv Gandhi College of Engineering and Technology, Puducherry, on April 3<sup>rd</sup> and 4<sup>th</sup> 2008.
2. Published a paper entitled “Multi Agent System and Public Key Infrastructure in Novel” @ National Conference on Recent Trends in information science and computing [I cube’08] held at Rajiv Gandhi College of Engineering and Technology, Puducherry, on April 3<sup>rd</sup> and 4<sup>th</sup> 2008.
3. Presented a paper entitled “Enhanced Multipath Routing and proactive route maintenance for congestion minimization and transient link failures ” @ National Conference on “TECHCON’ 08” organized by the Department of Information Technology held at IFET Engineering College, on 8<sup>th</sup> April, 2008.

### **Short Term Courses / Workshops / Seminars attended**

#### **Workshops/FDP/Seminars Attended**

<b>S. No</b>	<b>Type of the Programme</b>	<b>Organized by</b>	<b>Period (From – To)</b>
1.	ATAL - Five Days Workshop on Cloud Technology	Distributed and Cloud Technology E.G.S.Pillay Engineering College.	16 <sup>th</sup> August 2021 to 20 <sup>th</sup> August 2021
2.	ATAL-Five days workshop on Animation Flim Design	Animation Flim Design JAIN (Deemed to be University).	27 <sup>th</sup> July to 31 <sup>st</sup> July 2021
3.	ATAL - Five Days Workshop on Data Science	Data Science and machine Learning with Python, Rabindranath Tagore University	24 <sup>th</sup> May 2021 to 28 <sup>th</sup> May 2021

4.	ATAL - Five Days Workshop on Data Science	SAINTGITS COLLEGE OF ENGINEERING	18 <sup>th</sup> Jan. 2021 to 22 <sup>nd</sup> Jan 2021
5.	ATAL - Five Days Workshop on Graphic Design	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH	7 <sup>th</sup> Dec. 2020 to 11 <sup>th</sup> Dec. 2020
6.	ATAL - Five Days Workshop on “Augmented Reality (AR)/ Virtual Reality (VR)	GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT GITAM OFF CAMPUS BENGALURU	23 <sup>rd</sup> Nov. 2020 to 27 <sup>th</sup> Nov. 2020
7.	One day workshop on “IPR & patent drafting - a prime concern for academia” (online)	Manakula Vinayagar Institute of Technology, Puducherry	26-6-2020
8.	One week FDP on “Digital Marketing” (online)	ICT Academy	15 <sup>th</sup> June 2020 to 20 <sup>th</sup> June 2020
9.	FDP on “Art of writing research Articles and Funding Proposals” (online)	Manakula Vinayagar Institute of Technology	21/05/2020 To 23/05/2020
10.	AICTE - Margdarshan Scheme -Outcome based Education :A Step towards Excellence (online)	Government College of Engineering, Karad	11/05/2020 to 15/05/2020
11	AICTE Sponsored One Week STTP “Emerging Trends in Soft Computing Techniques for Control Engineering Applications” (ETSCTCEA '19)	Annamalai University	04.11.2019 to 09.11.2019
12.	The Future of Work Up-skilling with Robotic Process Automation in association with Automation Anywhere University and FACE	Habils Hotel , Chennai	24 May 2018
13.	ICTACT Bridge 2017 – The Journey of Transforming India	Rajendra Ball Room, ITC Grand Chola, Chennai	28th February 2017
14.	One Day Awareness Workshop on “Smart India Hackathon 2017”	Anna University Chennai	24th November 2016
15.	One Day National Level Workshop on “R programming”	RG CET, Puducherry	2 <sup>nd</sup> April 2016
16.	Five Days Workshop on Web Designing Scripting using Javascript and DHTML	ICTACT, Puducherry	24 <sup>th</sup> Nov- 28 <sup>th</sup> Nov. 2015
17.	FDP on “E-Literacy”	ICT Academy of Pudhucherry	07-January 2015

18.	One day Seminar on "Research issues in Image Processing and Data Mining"	MVIT Puducherry	3 <sup>rd</sup> December 2014
19.	One day Workshop on Research and development in engineering institutions.	MVIT Puducherry	13-September 2014
20.	AICTE Sponsored FDP on "Recent Advances in Artificial Neural Networks"	MVIT Puducherry	22 <sup>nd</sup> April – 3 <sup>rd</sup> May 2013
21.	AICTE Sponsored on "Current Scenario: Open Source Technologies"	MVIT Puducherry	17 <sup>th</sup> – 18 <sup>th</sup> April 2013
22.	Digital image processing using MATLAB	MVIT Puducherry	1 <sup>st</sup> -2 <sup>nd</sup> March 2013
23.	Research issue in Wireless Networks	Annamalai University, Chidambaram.	21 <sup>st</sup> September 2013
24	AICTE Sponsored SDP on" New and Emerging Trends in Image and Video Processing"	Jayaram College of Engineering and Technology, Trichy.	13 <sup>th</sup> – 24 <sup>th</sup> May 2013
25	"Cloud computing and Advance Java" conducted by ICT Academy of Puducherry	MVIT Puducherry	22 <sup>nd</sup> – 30 <sup>th</sup> July 2013
26.	National program me on technology enhanced learning	MVIT Puducherry	21 December 2012
27.	"Web Application Development Using .Net Technologies", Conducted by ICT Academy, Puducherry.	MVIT Puducherry.	22 <sup>nd</sup> – 30 <sup>th</sup> August 2012
28	Web application using JAVA Conducted by ICT Academy, Puducherry.	Sri Manakula Vinayagar Engineering College, Puducherry.	02 <sup>nd</sup> to 11 <sup>th</sup> May 2012
29	Free Open Source software for Academic and Office Applications	Mailam Engineering College, Mailam.	25 <sup>th</sup> January 2011
30.	Intellectual Property Rights	Mailam Engineering College, Mailam.	11 <sup>th</sup> February 2011
31.	.NET Technologies	Krishnasamy College of Engineering and Technology, Cuddalore.	26 <sup>th</sup> sep. 2008
32	AICTE Sponsored SDP on "Computing : Information, Knowledge and Business Intelligence"	Sri Manakula Vinayagar Engineering College, Puducherry.	December 2008
33	FDP on Web Development using free and Open software	Sri Venkateswara College of Engineering, Sriperumbudur.	December 2008

34	Wifi Networking and Laptop Service	Jayaram College of Engineering and Technology, Trichy.	11 <sup>th</sup> Dec 2008
35	AICTE Sponsored SDP on "Fuzzy Logic and its Applications in Mathematics	Mailam Engineering College, Mailam.	26 <sup>th</sup> – 30 <sup>th</sup> , 2008
36	Computer Communication and Networking (C <sup>2</sup> NET 08)	Oxford Engineering College, Trichy.	9 <sup>th</sup> Feb 2008
37	Emerging Trends in Embedded and Wireless Technology	Mailam Engineering College, Mailam.	19 <sup>th</sup> – 23 <sup>rd</sup> March 2007

### References:

**1. Dr. K. SEETHARAMAN**

Senior Professor and Head,  
Department of Information Technology  
Annamalai University, Chidambaram.

**2. Dr. A. RAMACHANDRAN**

Assistant Professor  
Department of Computer Science and Engineering  
Anna University  
University College of Engineering  
Panruti, Tamil Nadu.

### Major strength

1. I consider myself as a self disciplined and well organized individual, skilled at creating time saving solutions to tedious tasks, which allows me to accomplish more.
2. I consider myself a team player and take pleasure in offering my skills, knowledge & perspective to my team members and students. This allows me to adapt any type of people for creating a comfortable platform for sharing and learning.
3. Teaching and research is always a strong suite of mine. I enjoy educating my students and find sense of achievement in it. This directs me to develop the ability of finding innovative solutions to technical problems and interest of updating myself in my field.

### Personal Data

Fathers' Name	Mr. K.Narayanasamy (Late)
Mothers' Name	Mrs. N.Dhanalakshmi
Date of Birth & Age	16 <sup>th</sup> May 1976 & 45 yrs 6 Months (30-11-2021)
Gender	Male
Marital Status	Married
State	TamilNadu
Nationality	Indian

### Declaration

I hereby declare that the above information furnished by me is true to the best of my knowledge and belief.

  
**Yours Sincerely,**  
**(PALANIVEL. N)**