

# Dr. A. RAMACHANDRAN

Assistant Professor  
Department of Computer Science and Engineering  
Anna University : University College of Engineering Panruti



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## Professional Summary

*Extremely experienced and committed Engineering Professor with a solid record in both teaching and administration. Commitment to research and demonstrated over a lengthy tenure in academic roles. Influences strong communication skills to nurture meaningful and trusting associations with students, colleagues, and administrators. Student-centric instructor and good academic facilitator.*



## Core Qualifications

- Extensive breadth of experience in engineering teaching at the college level
- Worked as senior associate for fortune 500 Companies in Mainframe Technology
- Strong ability to deliver course material through a variety of teaching methods
- Excellent presentation and communication skills
- Trained student's counsellor and motivator
- Great multitasking ability to balance teaching and administrative duties
- Outstanding proficiency in computer languages, Networking and Web Development



## Professional Experience



### Assistant Professor

Anna University : University College of Engineering Panruti

02-10-2009 To Present

### Assistant Professor

J.J College of Engineering, Tiruchirappalli

01-07-2009 To 30-11-2009

### Senior Software Engineer – Mainframe Technology

Satyam Computers, Chennai

24-10-2006 To 26-06-2009

### Lecturer

Srinivasa Institute of Engineering and Technology, Chennai

19-06-2005 To 19-10-2006



## Summary of Education



<b>Ph.D.</b>	<b>Information and Communication Engineering</b> <i>Anna University, Chennai</i>	2011 - 2020
<b>M.E.</b>	<b>Computer Science and Engineering – First Class</b> <i>Annamalai University, Chidambaram</i>	2003 - 2005
<b>B.E.</b>	<b>Computer Science and Engineering – First Class</b> <i>Madurai Kamaraj University, Madurai</i>	1999 - 2002
<b>D.C.Tech.</b>	<b>Diploma in Computer Technology - Distinction</b> <i>MPNMJ Polytechnic, Erode</i>	1996 - 1999
<b>M.B.A.</b>	<b>Systems &amp; Project Management</b> <i>Alagappa University, Karaikudi</i>	2004 – 2006



## Administrative Responsibilities

<ul style="list-style-type: none"> <li>• <b>Placement Officer (Present)</b></li> <li>• <b>AICTE Co-ordinator (Present)</b></li> <li>• <b>Website Administrator (Present)</b></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Head of the Department</i></li> <li>• <i>Executive Warden – Hostels</i></li> <li>• <i>TNEA Co-ordinator</i></li> <li>• <i>Exam Cell Co-ordinator</i></li> <li>• <i>Sports Co-ordinator</i></li> <li>• <i>NSS Programme Officer</i></li> <li>• <i>Campus Network Administrator</i></li> </ul>
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## Publication of Books and Patents



<b>Book Title : Information Management</b> <i>Publisher : Sri Krishna Hitech Publishing Company Pvt Limited(Engineering)</i> <i>ISBN. : 978-93-86590-07-7</i>	2017
<b>Book Title : Social Media in Teaching and Learning</b> <i>Chapter : Virtual Learning</i> <i>Publisher : ESN Publications</i> <i>ISBN. : 978-93-90188-02-4</i>	2020
<b>Patent Title : FAH – Food Truck: Fully Automated Human less Food Truck</b> <i>CBR No. : 19029</i> <i>Docket No. : 45885</i>	2019



## PG & UG Projects Guided

<b>M.E Projects Guided. : 12</b>
<b>B.E Projects Guided. : 35</b>



## Awards



**Institute of Scholars – InSc Awards 2021**  
*Research Excellence Award 2021*

2021



## Membership in Professional Bodies

### Life Member

*Indian Society for Technical Education (ISTE – ID: LM76243)*

### Professional Member

*Institute of Scholars – InSc (Id: InSc20210276)*

### Member

*Institute of Research Engineers and Doctors*

### Member

*International Association of Engineers*



## Publication of Journals and Conferences

### **Fine-tuned residual network-based features with latent variable support vector machine-based optimal scene classification model for unmanned aerial vehicles**

*A Rajagopal, A Ramachandran, K Shankar, M Khari, S Jha, Y Lee, ...*  
*IEEE Access 8, 118396-118404*

### **A Deep Learning Model Based on Multi-Objective Particle Swarm Optimization for Scene Classification in Unmanned Aerial Vehicles**

*A Rajagopal, GP Joshi, A Ramachandran, RT Subhalakshmi, M Khari, ...*  
*IEEE Access 8, 135383-135393*

### **Rapid and proactive approach on exploration of vulnerabilities in cloud based operating systems**

*S Ramachandran, A Ramachandran*  
*International Journal of Computer Applications 42 (3), 37-44*

### **Rapid and proactive approach on exploration of database vulnerabilities**

*A Ramachandran, S Ramachandran*  
*Engg Journals Publications*

### **Optimal routing strategy based on extreme learning machine with beetle antennae search algorithm for Low Earth Orbit satellite communication networks**

*A Rajagopal, A Ramachandran, K Shankar, M Khari, S Jha, GP Joshi*  
*International Journal of Satellite Communications and Networking*

### **Intelligent rule-based approach for effective information retrieval and dynamic storage in local repositories**

*Ramachandran Alagarsamy, SASA Mary, The Journal of Supercomputing 76 (6), 3984-3998*

**Efficient Distributed Web Crawler Using Hefty and Enhanced Bandwidth Algorithms for Drug Website Search**

*Ramachandran A, R. Arunprakash, Aghila Rajagopal  
International Journal of Machine Learning and Networked Collaborative*

**An Intelligently - Focused Crawling for Filtering the e-Learning Documents Using Optimized Hidden Naive Bayes Classifier**

*Ramachandran Alagarsamy, SASA Mary  
An International Journal of Applied Mathematics & Information Sciences 13*

**Survey on frauds in card not present Transactions**

*A Ramachandran  
National Conference on Technical advancement in computers and communication*

**New Wireless Multifunctional Smart Robot for Border Security Surveillance with Real Time Object**

*KM Anandkumar, A Ramachandran, R Arunprakash, B Manikandan*

**The Role of Interdependencies in Software Requirements Analysis Estimation**

*A Ramachandran, DJ Thessalonica, SA Lakshmi  
International Journal of Computer Applications 975, 8887*

**Detecting and Scheduling Bad smells using Java Agent Development (JADE)**

*SA Lakshmi, SS Vadivu, A Ramachandran  
International Journal of Computer Applications 67 (10)*

**Rapid and Proactive Approach on Exploration of Bugs in Web based Software Development**

*A Ramachandran, TC Sankar, S Ramachandran  
International Journal of Computer Applications 72 (13)*

**Detecting and Tracking inconsistencies automatically in Software Design Models**

*A Ramachandran  
National Conference on innovative trends in advanced Computing*

**Rapid and Proactive Approach on Exploration of Computing System's Vulnerabilities**

*A.Ramachandran, S.Ramachandran  
International Conference on Information Communication & Embedded Systems*

**Superior Routing Protocol for MANET**

*A.Ramachandran, A.Sathiyaraj  
CiiT International Journal of Wireless Communication 4 (4), 183-188*

**Exploration of Taxonomical Vulnerabilities in Operating System**

*A.Ramachandran, S.Ramachandran  
CiiT International Journal of Networking and Communication Engineering*

**Finger Print Analysis in Orientation Field**

*A Ramachandran  
National conference on Intelligent Computing in Communication and Automation*



## Seminar / Short Term Course /FDP/ Workshop

**"Deep Learning for Image and Text Analysis"**, organized by SSN College of Engineering during 13-11-2017 to 26-11-2017. (14 Days)

**"Developing Pedagogical Skills for Teachers through Active Learning Techniques"**, organized by MAM college Of Engineering during 10-06-2013 to 22-06-2013. (13 Days)

**"CS 6601-Distributed Systems"**, organized by \_University College of Engineering Pattukottai during 30-11-2015 to 06-12-2015. (7 Days)

**"CS-6303 Computer Architecture"**, organized by Oxford Engineering College Trichy during 16-06-2014to23-06-2014. (7 Days)

**"CS6301-Programming and Data Structure II"**, organized by University College of Engineering Tindivanam during 08-06-2014to14-06-2014. (7 Days)

**"Application of Data mining In Software fault Predictions"**, organized by Jayaram College of Engineering and Technology during 06-05-2013 to 11-05-2013. (5 Days )

**"Guidance And Counselling"**, organized by NITTTR Chennai during 18-02-2013 to22-02-2013. (7 Days)

**"CS6801-Multi Core Architecture And programming"**, organized by University College of Engineering, Panruti during 23-11-2016 to 29-11-2016. (7 Days)



## Address for Communication

**Dr. A. RAMACHANDRAN B.E., M.E., M.B.A., MISTE., Ph.D.,**  
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<http://ucep.edu.in/cse/ram.pdf>