

Dr.K.Thirunadana Sikamani. B.E(ECE)., M.E(CSE)., Dip(TD) ., Ph.D.(CSE)

Total Experience: 30 years (Teaching – 27 , Industry – 03)

EDUCATIONAL QUALIFICATION

Ph.D : Computer Science and Engineering (October 2014),
Manonmaniam Sundaranar University, Tirunelveli.

M.E (CSE) : Regional Engineering College, Trichy (Presently NIT, Trichy) ,1997,First Class.

B.E (ECE) : Mookambikai College of Engineering, Trichy.1989. First Class

Dip – TD : Diploma in Training and Development conducted by ISTD (Indian Society for Training and Development) recognized by MHRD. First Class

PROFESSIONAL EXPERIENCE (30 years – 27 Academics , 3 Industry):

1. Eiko Computers PVT Ltd, Chennai. (Dec' 1989 – Nov' 1990) 1 Year

Position held: **Customer Support Engineer.**

Job Responsibilities: Attending Service calls

Clients:

Autolec, Ashok Leyland, Indian Potash, Dura Metalics India Ltd, TI Cycles etc.

Special Assignment:

Worked with Bombay Eiko branch to deal special customers like Ashok Leyland, Kothari Sugars over a period of six months.

2. Star Dot Star Computers, Chennai. (Nov'1990 – Aug' 1991) 10 Months

Position held: **Territory Manager**

Job Responsibilities: Sales and Service

Special Assignment:

Established a branch in Kumbakonam centre by heading a team of engineers consists of Seven members.

3. Mookambikai College of Engineering, Trichy, (Aug'1991 – Jan 1998) 6.6 Years

Position held: **Lecturer / ECE**

Job Responsibilities: Teaching and Training the students, Project guidance.

Special Assignments:

Guided various Electronics and communication oriented student projects, organized National level Technical Symposiums and student project exhibitions.

4. O S M Systems and Services, Chennai. (Jan'1998 – June 1999) 1.6 Years

Position held: **Manager - Training & development**

Job Responsibilities: Training and Development

I managed software engineers team to develop accounts projects and directed them to attend service calls.

5. Dr. M G R Educational and Research Institute (Deemed University), Chennai.(June 1999 – July 2004) 5.1 years

Position held: **Head of the Department / Information Technology**

Job Responsibilities: Managing academic and administrative activities of the department.

6. Meenakshi College of Engineering, Chennai. (July 2004 – July 2005) 1 year

Position held: **Head of the Department / Information Technology**

Job Responsibilities: Heading the Department, establishing laboratory facilities and administering the academic activities.

7. St. Peter's University, Avadi, Chennai. (From July 2005 – Oct 2010)

Position held: **Professor and Head / Computer Science and Engineering Department**

8. St.Peter's College of Engineering and Technology. (From Oct 2010 - 2018)

Present Position : **Professor and Head / Computer Science and Engineering Department**

9. St.Peter's Institute of Higher Education and Research.(From 2018)

Present Position : **Professor and Head , Computer Science and Engineering Department**

Other Special Privileges obtained during the stint in concerned institutions:

Member - Board of Management, St.Peter's Universtiy

Chairman - Board of Studies:

Department of Computer Science and Engineering, St.Peter's Universtiy,

Department of Information Technology, Dr. M G R Deemed Universtiy.

Member: Result Passing Board, Disciplinary Committee, St.Peter's University

Acted as Question Paper scrutinizing Board Member, Bharathidasan University

- Professional Body Membership: CSI, ISTE, IEEE, ISTD

Present privileges:

- Governing Council , Planning and Monitoring Board-St.Peter's College of Engineering and Technology
- Member – Research Board , Board Studies, St.Peter University
- Planning and Monitoring Board – St.Peter's college of Engineering and Technology
- Doctoral Committee member – St.Peter's University, Anna University, Vel's University
- Co –Supervisor – Annamalai University

Papers Published in International Journals/Conferences:

1. "Stability Enhancement using region based certification mechanism in MANET"
Prabahakar P B Edwin, K.Thirunadana Sikamani. Indian Journal of Forensic Medicine and Toxicology , August -2018
2. " Secure Authentication through Mixed Fingerprints" International Journal of Research in Engineering & Advanced Technology, Volume 2, Issue 2, Apr – May , 2014. Issn: 2320 – 8791 (Impact factor : 1.479)
3. " Target Detection in Ongoing Video with SMS Alert, Compression Technique and Auto Swapping" International Journal of Research in Engineering & Advanced Technology, Volume 2, Issue 2, Apr – May , 2014. Issn: 2320 – 8791 (Impact factor : 1.479)
4. "Haralick Texture Features for Glaucoma TOUS Image Classification" , Second International Conference on Power, Control and Embedded Systems (ICPCES – 2014) Feb 27 – 28 , 2014, CEG , AU , Chennai
5. " Automatic Video Based Target Tracking with Auto Swapping and Compression Technique" , IEEE International Conference on Circuit , Power and Computing Technologies – 2014 (ICCPCT – 2014) Noorul Islam University, Kumaracoil.
6. "Applying Lean on Agile Scrum Development Methodology" CompuSoft - An International Journal of Advanced Computer Technology, Vol:3 Issue:3, 2014, ISSN : 2320 -0790
7. " Classification of Cervical Cancer Cytology Images Based on Bunch of Elected Texture Features" Global J. of Mech., Engg & Comp. Sciences, July ,2013: Pp. 73 -78 ,ISSN 2277-6664(Online): 2249 -3468 (Print) – Rising Research Journal Publications.
8. " Detection of cancer in cervical Cytology Images Using Texture Features" CiiT International Journal of Digital Image Processing. Print : ISSN 0974 -9691 & Online: ISSN 0974 – 9586 ,March Issue 2013.
9. " ABC Algorithm along with ERPMT that exploits the life time of Wireless Sensor Networks", International Journal of Technology and Engineering Science, Vol 1(7) , Oct 2013 . ISSN : 2320 – 8007

10. " Secure Routing in MANET" International Journal of Technology and Engineering Science, Vol 1(7) , Oct 2013 . ISSN : 2320 – 8007
11. Packet loss recovery in mobile ad-hoc network by stream control congestion algorithm International Journal of Engg. Research & Indu. Appls. (IJERIA) ISSN 0974-1518, vol 1.1, No VII(2008), pp 129 – 140
12. Simple packet forwarding & loss reduction for improving energy efficient routing protocols in mobile ad-hoc networks European journal of Scientific Research.(EJSR) ISSN 1450-216 Vol.37 No.2 (2009), pp 254-260
13. Automatic categorization of medical images for content based multimodality data base retrieval and data mining International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences.(IJ-CA-ETS) ISSN: 0974-3596 ,pp 191 – 197
14. An efficient categorization of content based region oriented database retrieval and data mining International Journal Computer Applications in Engineering , Technology and Sciences. (IJ-CA-ETS) ISSN:0974-3596 , pp 198 - 204
15. A generalized categorization of medical images for content based , region based database retrieval and datamining. International Journal of Engg. Research & Indu. Appls. (IJERIA) ISSN 0973-94234
16. "Support Vector – based Unsupervised Behavior Evaluation Method for Heterogeneous Trustworthy Network" Third IEEE International Conference on Signal and Image Processing – ICSIP – 2010 15th – 17th December 2010, RMD Engg College , Kavaraipettai,Chennai, 978-1-4244-8594-9/10, pp start 394 end 399.
17. " A Secure PMS based on Fingerprint Authentication and Blowfish Cryptographic Algorithms" Third IEEE International Conference on Signal and Image Processing – ICSIP – 2010 15th – 17th December 2010, RMD Engg College , Kavaraipettai,Chennai, 978-1-4244-8594-9/10, pp start 424 end 429.
18. " A Novel Feature Extraction Scheme for face Recognition" Third IEEE International Conference on Signal and Image Processing – ICSIP – 2010 15th – 17th December 2010, RMD Engg College , Kavaraipettai,Chennai, 978-1-4244-8594-9/10, pp start 502 end 505.
19. "VLSI Design of Mixed radix FFT Processor for MIMO OFDM (multiple input multiple output orthogonal frequency division multiplexing) in wireless communication" IEEE International on Communication Control and Computing Technologies – ICCCT '10 ,pp start 98-102, 978-1-4244-7769-2.

20. "Group Discussion as an Effective Training Tool To Enhance Interpersonal Dynamics"
International Conference on Soft Skills: Key to Professional Excellence, 9th and 10th April, 2010,
Himalayan Institute of Management, Kala-Amb (H.P)
21. "International Standard Measurements and qualitative analysis on allopurinol" International
Conference on Spectrophysics (INCONS 2005), Feb 9 -12, 2005 , Pachiyappa's College,
Chennai.
22. "Characterization of Pyrazinamide by Spectral Measurements", International Conference on
Spectrophysics (INCONS 2005), Feb 9 -12, 2005, Pachiyappa's College, Chennai.
23. " Mobile Agent Supported on Demand Routing Method to Lessen Link Failure in MANET"
Research Journal Applied Sciences , Engineering and Technology , Maxwell Scientific
Organisation

Conference /Training Program Conducted:

1. AICTE Sponsored Staff Development Program on "Programming in C# and .NET" at
St.Peter's Engineering College, Rs.1 lakh grant received.
2. **"National Conference on Information Processing, Security and Communication",
NCIPSC '11**, March 04 -05, 2011, St.Peter's University, Avadi, Chennai.
3. **National Conference on Information System Processing, Communication and
Emerging Trends"** March 2012 , St.Peters College of Engineering and Technology,Chennai

Books Published:

1. **Computer Practice**
Sri Krishna Publications, Chennai.
2. **Computer Practice Laboratory**
Sri Krishna Publications.
3. **"Group Discussion as an Effective Training Tool to Enhance Interpersonal
Dynamics"** added as Chapter- 25 in the book "SOFT SKILLS KEY TO PROFESSIONAL
EXCELLENCE" Edited by Dr.Vikas Arora, Global Vision Publishing House
ISBN: 978-81-8220-319-8.

Extra Curricular: Musician - Guitarist, Songster, Composer, Done many stage programs, TV programs, Participated many intercollegiate competitions during 1985 to 1989 and won many prizes.