

Curriculum Vitae

Dr. S. Selvan

Principal

St. Peter's College of Engineering and Technology,
Avadi, Chennai -600054, India



S. Selvan was born in India, in 1955. He received the B.E. degree in 1977 in Electronic and Communication Engineering, from University of Madras. In 1979, he received the ME degree in Communication systems from University of Madras. He received his PhD degree in Computer Science and Engineering from Madurai Kamaraj University in 2001. Since 1979 he has been working in various Engineering Colleges under University of Madras, Bharathiar University, Madurai Kamaraj University and Anna University in India. He held the post of Professor and the Head of Department of Information Technology at PSG College of Technology, Coimbatore, affiliated to Anna University from July, 2000 to December, 2007. Currently he is the Principal of St. Peter's College of Engineering and technology, Chennai. His research interests include: digital image processing, soft computing, digital signal processing, data mining, intrusion detection systems and computer networking. He has published more than 180 papers in international and national journals and conference proceedings.

Academic Degrees

- Ph.D** Computer Science and Engineering,
Thiagarajar College of Egeining, Madurai Kamaraj University (2001), India
- Title :** A Study on Neural Network-Based Adaptive Filtering Techiques
- M.E** Communication Systems,
PSG College of Technology, University of Madras (1979), India
- B.E** Electronisc and Communication Engineering,
Govt. College of Technology, University of Madras (1977), India

Academic Job

- 1- During the period 1979-1982, **Associate Lecturer** in Department of ECE, PSG College of Technology, Coimbatore.
- 2- During the period 1982-1985, **Lecturer** in Department of ECE, PSG College of Technology, Coimbatore.
- 3- During the period 1985-1988, **Assist. Professor and Head** in Department of ECE, PSNA College of Engineering and Technology, Dindigul.

- 4- During the period 1988-1996, **Professor and Head** in Department of ECE, PSNA College of Engineering and Technology, Dindigul.
- 5- During the period 1996-2000, **Professor and Head** in Department of Computer Science and Engineering, PSNA College of Engineering and Technology, Dindigul.
- 6- During the period 2000- 2007, **Professor and Head** in Department of IT, PSG College of Technology, Coimbatore, India
- 7- During the period 2007-2009, **Principal**, St.Peter's Engineering College, Avadi, Chennai, India.
- 8- During the period 2009-2010,, **Principal**, Francis Xavier Engineering College, Tirunelveli, India.
- 9- During the period 2010-2012,, **Principal**, Alpha College of Engineering, Thirumazhisai, Chennai, India.
- 10- Since december 2012, **Principal**, St.Peter's college of Engineering and technology, Avadi, Chennai, India.

International Awards and Recognitions

- 1.Guided a project entitled, "Early detection of Cancer using fuzzy based photoplethysmography" which won the 1999-2000 AT & T Labs student enterprise award from IEEE.
- 2.Out standing IEEE Student Branch Counselor award in Asia pacific region,1999.
- 3.Biography included in Marquis Who's Who in the world 2009 Edition.

Membership in Professional Bodies

- 1-Senior Member, IEEE (USA)
- 2-Fellow, Institution of Engineers (India)
- 3-Fellow, Institution of Electronics and Telecommunication Engineers
- 4-Member, Indian Society for Technical Education
- 5-Member, Computer Society of India

Membership in International and National Conference Committees

- 1- Fellowship Co-Chair for the ACS International Conference ADCOM 03, Coimbatore
- 2- Organising Secretary for the National Conference on Innovations in Information and Communication Technology (NCIICT 2003), 2003,Coimbatore
- 3- Convenor for the Second National Conference on Innovations in Information and Communication Technology (NCIICT2006), 2006,Coimbatore
- 4- Convenor for the Third National Conference on Innovations in Information and Communication Technology (NCIICT2007), 2007,Coimbatore
- 5- Tutorial Chair for the IEEE International Conference ADCOM 07,Coimbatore
- 6- Advisory Committee member for the International Conference on Network Security (ICONS 2006), 2006, Erode
- 7- Advisory Committee member for the National Conference on Information Security (INSEC 2K7), 2007, Sangli, Maharashtra
- 8- Chaired technical sessions in more than 25 International and National Conferences
- 9- Reviewed papers for the Internatioanl Conference on Resource Utilisation and Intelligent Systems (INCRUIS 2006), Erode
- 10- Reviewed papers for the Internatioanl Conference on CIMA (ICCIMA2007), Sivakasi

- 11- Reviewed papers for the second Internatioanl Symposium on Biomedical Engineering (ISBME 2006), Thailand
- 12- Reviewed papers for the 18th Midwest Artificial Intelligence and Cognitive Science Conference (MAICS-2007), DePaul University Chicago , USA
- 13- Advisory Committee member for the National Conference on Trends in information and Communication Technology (RTICT 2009), Sathyamangalam
- 14- Advisory Committee member for the Third National Workshop on Intelligent Data Analytics and Imagw Processing Trends in information and Communication Technology (IDAIP 2010), Sathyamangalam
- 15- Advisory Committee member for many other National and International Conferences
- 16- Chairman of Organizing Committee for more than 12 National Conferences

Reviewer of Refereed Journals

- 1- Reviewer in IEEE Transactions on Image Proceesing, USA
- 2- Reviewer in IEEE Signal Proceesing Letters, USA
- 3- Reviewer in IEE Proceedings on Science, Measurement and Techniques, UK
- 4- Reviewer in IET Signal Processing, UK
- 4- Reviewer in National Journal of Technology, India
- 5- International Editorial Board of IAENG IJCS

Reviewer of Books

Reviewer of books published by Tata McGraw-Hill Book Company

Supervision and Examination of Scientific Research

- 1- Acted as supervisor for 9 candidates who have been awarded Ph.D by Anna University, Chennai covering various tracks of computer engineering and sciences such as: Image Processing, Neural networks, Computer networks and Datamining.
- 2- Supervising 3 Ph.D candidates in Anna University Chennai, in the areas of Computer networks and Digital Imaging.
- 3- Acted as supervisor for 1 candidate who has been awarded MS (By Reseach) by Anna University, Chennai
- 4- Examined more than 100 M.E/M.Tech/M.S theses in Electronics and Communication Enginnering, in Computer Science and Engineering and in Information Technology in various Universities in India.
- 5- Member of Doctorol Commmittees for more than 30 PhD candidates in Anna University, Chennai and Anna University of Technology, Coimbatore .

Service to Higher Education in India

- 1- Acted as Expert Member of Committees constituted by National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE), a Statutory body of Government of India.
- 2- Acted as Expert Member of Inspection Committees constituted by AICTE for assessment of technical institutions in India.

- 3- Acted as Chairman/ Member of Inspection Committees constituted by Anna University for affiliation of technical institutions under Anna University.
- 4- Acted as Member of Inspection Committees constituted by Madura Kamaraj University for affiliation of technical institutions under Madura Kamaraj University.
- 5- Acted as Expert Member in staff selection committees by AICTE and University Grant Commission, India
- 6- Organized more than 10 workshops and short term training programs in various tracks of Computer Sciences and Engineering.
- 7- Delivered invited lectures in more than 40 workshops and short term training programs conducted exclusively for engineering college faculty members sponsored by All India Council for Technical Education (AICTE), University Grants Commission, Anna University Chennai, Anna University Coimbatore .
- 8- Acted as Member of Question Paper Passing Board for Madras and Bharathidasan Universities
- 9- Acted as Member of Academic Council - PSG College of Technology, Coimbatore
- 10- Acted as Chairman of Board of Studies - Information Technology Department, PSG College of Technology, Coimbatore.
- 11- Acted as Member of Board of Studies - Coimbatore Institute of Technology, Coimbatore, Karunya Institute of Technology, Coimbatore, Avinashilingam Deemed University, Coimbatore, Thigarajar College of Engineering, Madurai and various other Autonomous Institutions in Tamilnadu..
- 12- Examination Question Paper Passing Board- Chairman for B.Tech(IT), B.E(CSE) and ME(CSE), Anna University, Chennai.
- 13- Central Valuation : Chairman, B.Tech(IT), Coimbatore Zone, Anna University, Chennai.
- 14- Result Passing Board: Chairman B.E (CSE) and B.Tech(IT)for Anna University Chennai, BE (ECE) for Bharathidasan University Tiruchrapalli.
- 15- Acted as Auditor for CSE/IT Programs conducted at VIT, Vellore.
- 16- Organized various seminars and guest lectures for students of department of Information Technology, PSG College of Technology by experts from industries such as Intel, Cisco, IBM, Covanysys, Servion Global Solutions, TCS, and institutions such as Indian Institute of Science, Bangalore, Indian Institute of Technology, Chennai.
- 17-Organized Training and Certification programmes for IBM DB2, VAJ and WSAD in collaboration with IBM, Mumbai.
- 18- Visited more than 30 IT industries in connection with the review of B.Tech (IT) project works done at industry premises

Funded Research Projects Completed

- 1-Payload Recovery Guidance and Re-entry Trajectory Simulation, funded by Vikram Sarabhai Space Centre, India (2000-2001)
- 2-Setting up of Bio-signal Processing Laboratory in the year of 1999-2000 funded by All India Council for Technical Education (1999-2000)

Technology Business Incubator

Acted as co-ordinator for the Technology Business Incubator at St.Peter's Engineering College, Avadi, Chennai in the area of Cold Chain for a total cost of Rs.442..98 lakhs with a Contribution of Rs.202..89 Lakhs from Department of Science and Technology .

Number of Technical Publications

Refereed International Journals : 41

Refereed National Journals: 22

International Conferences: 48

National Conferences: 54

Countries Visited

Singapore, Netherlands, Germany, France, Switzerland, Italy, Spain, Belgium