

P.Sivakumar
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Department of Electrical & Electronics Engineering
PSG College of Technology, Coimbatore – 641 004
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EDUCATION

DOCTORATE

(Pursuing) Anna University
Automotive Embedded System

POSTGRADUATE

(May 2009) Embedded System Technologies
Anna Univeristy of Technology
Anna University, Coimbatore

UNDERGRADUATE

(November 2006) Electrical & Electronics Engineering
Coimbatore Institute of Technology
Anna University

EXPERIENCE

June 2010 to Till date	Designation : Assistant Professor(Sr.Gr) NAME OF INSTITUTION: PSG College of Technology
June 2009 to May 2010	Designation : Lectrure NAME OF INSTITUTION: BIT, Sathy
Dec 2006 to Aug 2007	Designation : Lectrure NAME OF INSTITUTION: Coimbatore Institute of Technology
Feb 1998 to Nov 2006	Designation : Instructor

COURSES HANDLED

UNDERGRADUATE

1. Personal Computer system
2. Microprocessor and Microcontroller
3. Basic electrical & electronics Engineering

POSTGRADUATE

1. Microcontrollers and its applications
2. Graph Theory and applications
3. Embedded system Design
4. Embedded System network
5. Linux Architecture and Device Driver
6. Automotive Embedded System
7. Automtoive Electronics
8. Operaing Systems

RESEARCH AREAS

Model Based Design of Automotive Embedded Software

PUBLICATIONS

INTERNATIONAL JOURNALS

1. Sivakumar, P. and Vinod, B. and Devi, R.S. Sandhya and Divya, R., Novelty Testing Measures and Defect Management in Automotive Software Development (January 7, 2016). Australian Journal of Basic and Applied Sciences, Vol. 10(1), Pages: 607-613, January 2016.
2. Sivakumar, P. , Vinod, B. ,Sandhys Devi, R. and Divya, R. (2016) Deployment of Effective Testing Methodology in Automotive Software Development. Circuits and Systems, 7, 2568-2577. doi: 10.4236/cs.2016.79222.
3. Sivakumar, P. , Vinod, B. ,Sandhys Devi, R. and S.Poorani Nithilavallee. (2016) Model Based Design Approach In Automotive Software and Systems. International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 11 (2015) pp. 29857-29865

NATIONAL JOURNALS

Sivakumar, P., Vinod, B., Devi, R. S., & Rajkumar, E. J. (2015). Real-time task scheduling for distributed embedded system using MATLAB toolboxes. *Indian Journal of Science and Technology*, 8(15).

INTERNATIONAL CONFERENCES

1. Ashwin, S., Loganathan, S., Kumar, S. S., & Sivakumar, P. Prototype of a fingerprint based licensing system for driving. In *2013 International Conference on Information Communication and Embedded Systems (ICICES)*.

NATIONAL CONFERENCES : 15

SEMINARS / CONFERENCES ORGANISED

1. Organized "Two-day Faculty Development Program on TI C2000 Microcontroller" in association with Texas Instruments Bangalore. During July 01-02, 2011.
2. DRDO Sponsored National Seminar on "Application of Embedded Systems in Renewable Energy, Power Electronics, and Automotive Systems" During 09-10 March 2012.
3. One Day Workshop on "Android Internals and Application Development" on March 26, 2012.
4. DRDO Sponsored National Workshop on "Android for Robotics", During 29-30 March 2012.
5. One Day Workshop on "Automotive Embedded Systems" Sep 08, 2012.
6. MNRE Sponsored National Seminar on "MATLAB and Embedded Systems Applications in Solar PV and Wind Energy Systems" During 09-10 Aug 2013.
7. Conduct TEQIP sponsored one credit course on "Automotive Electrical system" in association with TVS motors, Hosur During 22-23 Feb 2014.
8. National Workshop on "Model Based Design for Embedded Systems with VisSim" During 20-21 June 2014.
9. Two Day Seminar on "Embedded Systems and Communication Protocols used in Automobiles" during Dec 12-13, 2014.
10. TEQIP -II Sponsored One Week Faculty Development Programme "Embedded and Real - Time Software & Systems" During Oct 12-18, 2014.

11. Two Day Workshop on “Model-based Development of Mechatronic Controls with dSPACE”, Oct 17-18, 2015.

SEMINARS / CONFERENCES ATTENDED

1. Two Day Training Programme on “System Architecture and Design issues of Wireless Networks – Theory and practice”.Department of ECE, PSG College of Technology during Jan 22-23, 2011.
2. One day Seminar – “Embedded Designer’s Forum”, Microchip India, during Feb 09, 2011.
3. Two day Seminar – “Deigning with Free scale Market Solution”, Free scale Semiconductor, India during March 09-10, 2011.
4. One day National workshop “8051 Microcontroller: A practical approach”, Department of ECE, Anna University of Technology Coimbatore during Sep 09, 2011.
5. Three day National Workshop on “Solar PV installation”, Department of EEE, PSG College of Technology during March 17-19, 2011.
6. Two Day Workshop, “Recent Trends in Biometrics and Cyber Security”, Department of Information Technology, PSG College of Technology, during March 24- 25, 201.
7. PSG-IBM Collaborative Workshop on "Parallel Architectures and Programming in HPC" PSG College of Technology, CSE Department during Aug 11- 14, 2012.
8. System Integrators Events" National Instruments Bangalore on Aug 16, 2012.
9. Freescale Technology Forum" 2011 Freescale Semiconductor at Bangalore, August 24th & 25th,2011.
10. AICTE sponsored Staff development Program on “Intelligent Vehicle Initiative”, Two Weeks 21st November – 4th December,Department of Production and Automobile Engineering, PSG College of Technology.
11. AICTE sponsored Staff development Program on “Current Trends in Information Retrieval with a Research perspective ", Two Weeks 9th May 2011 – 21st May 2011, Department of Information Technology, PSG College of Technology

SPECIAL LECTURES DELIVERED

1. “Vehicle Network toolbox “ in One Day Workshop on “Automotive Embedded Systems” Sep 08, 2012 at EEE Department, PSG Tech.

2. "Simulation CAN network using MATLAB", in Two Day Seminar on "Embedded Systems and Communication Protocols used in Automobiles" during Dec 12-13, 2014 at EEE Department, PSG Tech.
3. "Advance Microcontrollers and its Application", FDP in Karpagam University, Coimbatore.
4. " Model Based Embedded System", in KCT, EEE Department
5. "Real-Time Embedded System", FDP in Embedded and Real-Time system, in Anna University Regional center, coimbatore