

FACULTY PROFILE

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3. **Date of Birth & Age** : 13.07.1977&37

4. **Educational Qualifications:**

Degree	Programme and Specialization	Class	Percentage / Month & Year of Passing	Institute/University
B.E.	Instrumentation & Control Engg	I	60%/April 1999	Arulmigu Meenakshi Amman College of Engg, Kancheepuram.Madras university.
M.E.	Control and Instrumentation	I	79.5%/April 2005	Karunya Institute of Technology,Coimbatore.AnnaUniversity.
Ph.D.	pursuing	Anna University of Technology, Tirunelveli		

5. **Details of Employment**

Name of the Organization / Industry	Position / Designation held	Period		Duration		Total Experience
		From	To	Years	Months	
National Engineering College, Kovilpatti, Tamilnadu	Asst. Professor <i>(Re designated as AP(SG) on 01.11.2011)</i>	12.05.2010	Till Date	04	10	7.11
	Lecturer	01.06.2007	11.05.2010	02	11	
	Sr. Lecturer	01.10.2005	23.05.2007	01	08	06

Karunya University, Coimbatore	Lecturer	01.06.2001	30.09.2005	04	04	
The Indian Engineering College, Vadakankulam	Lecturer	05.07.1999	29.05.2001	01	10	1.10

6. Research Papers Published in the International Journals *(Chronological order)*

S.No.	Title of the Paper	Title of the Journal	Volume, Number & Page numbers	Month & Year	Impact Factor
1.	Feature Extraction and Analysis of Electrocardiogram Using Wavelet Transform	International journal of Electronics, Electrical and Computational System (UGC listed)	Vol.6, Issue9	Sept 2017	-
2.	Facial Expression Recognition using a Hybrid Kernel based extreme learning machine	Journal of Computational and theoretical nanoscience's	Vol 14,1-11,2017	2017	1.4
3.	Development of face recognition using the features of lip	Pakistan Journal Biotechnology	Vol 13, PP: 155-159	2016	-
4.	Facial Expression Recognition using DLBP and GLCM to control a wheelchair	International journal of applied engineering research (A-II)	vol.10 no.19	2015	-
5.	Appraising the profundity of facial action recognition for time sequential facial expression image analysis	International journal of applied engineering research (A-II)	vol.10 no.20	2015	-

7. Papers Presented in International / National Conferences *(Chronological order)*

S. No.	Title of the Paper	Title of the Conference	Organizer	Date / Month & Year	National / International
1.	Analytical model to detect the orientation of the rectangular defect using magnetic flux	Emerging trends in engineering & technology	Arunachala College of Engineering for Woman, Vellichanthai	09.12.2016 & 10.12.2016	International

	leakage techniques				
2.	Development of face recognition using the features of Lip	ICIECS'16	Karpagam College of Engineering	17 th & 18 th March 2016	International
3.	Appraising the profundity of facial action recognition for time sequential facial expression image analysis	DRDO - IEEE sponsored Innovations in Information , Embedded and Communication Systems	Karpagam college of Engineering, coimbatore	19 th & 20 th March 2015	International
4.	Facial Expression Recognition using DLBP and GLCM to control a wheelchair	DRDO - IEEE sponsored 2 nd International conference on Innovations in Information Embedded and Communication Systems	Karpagam College of Engineering	19 th & 20 th March 2015	International
5.	Hardware in the loop simulation of dynamic stability control using vehicle simulator	Electrical Electronics and computer engineering	vivekanandha college of engineering Coimbatore	11 th to 12 March 2015.	International
6.	Distinguishing different facial expressions using non-parametric 1DLBP method	Retina'15	National Engineering College	26 th & 27 th Feb 2015	National
7.	Facial Expression Recognition using PCA Based interface for wheelchair	ICECS'14	Karbagam college of Engineering, Coimbatore	13 th - 14 th February 2014	International (IEEE explorer)
8.	Eye Localization towards Developing a Head Postures Based Interface for Wheelchair	MVIP-2012	PSG tech, Coimbatore	14 th - 15 th December 2012.	International (IEEE explorer)
9.	Participated Recent Trends in Instrumentation	Instrumentation	National Engineering College, K.R.Nagar.	19 th & 20 th March 2009	National
10.	Characterization and Automatic	Trends in instrumentation	Velammal Engineering college	5 th october 2007	National

	Diagnosation of liver Images	and signal processing			
11.	Challenges In Indian Technical Education In The Context Of Globalization	Tenth Annual convention	ISTE chapter, National engineering college on	2 nd & 3 rd November 2007.	National
12.	Quality and development of Technical Education in India	Tenth Annual convention	ISTE chapter, National engineering college on	2 nd & 3 rd November 2007.	National
13.	Controlling of Inverted pendulum using PIC Microcontroller	Trends in instrumentation, system design and automation	Karunya Deemed University, Karunya Nagar	28 April 2007.	National
14.	Implementation of Fuzzy logic controller in Distillation column	TIMA-2004	Noorul Islam College of Engineering, Kumaracoil.	16 th -18 th December 2004	International

8. Training programmes / Seminars/ Workshops/ FDP/ Symposium Organized

S. No	Name of the Programme	Funding Agency	Seminars/ Workshops/ Symposium	Venue	Date / Month & Year	Organized
1	Embedded system design with 8051,PIC,ARM	-	Workshop	National Engineering College	15 th Dec' 2007	organized
2.	Graphical system design using lab VIEW	-	Regional Seminar	National Engineering College	05.11.2009 to 07.11.09	organized
3.	Research issues on bio medical signal processing and instrumentation	DRDO	National Seminar	National Engineering College	24.02.10 to 26.02.10	organized
4.	Workshop on industrial automation	-	Workshop	National Engineering College	17 th Feb'2014	organized
5.	Embedded & Arduino controller with hands on training	-	Workshop	National Engineering College	07.03.2015	organized

6.	Industrial automation	-	Workshop	National Engineering College	04.08.2015	organized
7.	Automation in oil and gas industry-Petro Career Solutions	-	Seminar	National Engineering College	24 th March	organized
8.	Industrial Automation	-	Workshop	National Engineering College	15 - 16 March	organized
9.	Formulation of Research and Development Grant proposals by scientists and Technologists	-	Workshop	National Engineering College, K.R.Nagar	18.11.2015 to 20.11.2015	organized
10.	Soft Computing and Computational Intelligence (CONSCI 2k16) –ISTE Students Chapter	ISTE	Regional Conference	National Engineering College, K.R. Nagar	10.03.2016 to 11.03.2016	Organized
11.	Soft Computing and Computational Intelligence (CONSCI-2k17)ISTE Students Chapter	ISTE	Regional Conference	National Engineering College, K.R. Nagar	02.01.2017 to 03.01.2017	Organized
12.	Seminar on Brain computer interface (EEG& GAZE)	ISTE	Seminar (ISTE students)	National Engineering College, K.R. Nagar	28.09.2016 to 29.09.2016	organized
13	Three Days National Seminar on “Research perspectives and challenges in instrumentation aspects of IoT” (IOT’17)	AICTE	Seminar	National Engineering College, K.R. Nagar	25 th oct – 27 th oct 2017	Organized

9. Training programmes / Seminars/ Workshops/ FDP / Symposium Attended

S. No	Name of the Programme	Seminars/ Workshops/ Symposium	Venue	Date / Month & Year
1	Leadership and skills Development	Faculty Development Programme	Karunya Institute of Technology	June 12-13 2003.

S. No	Name of the Programme	Seminars/ Workshops/ Symposium	Venue	Date / Month & Year
2	Introduction to FPGA design	workshop	ISTE chapter of National Engineering College	1 st sep 2007
3	Soft computing Techniques	workshop	National Engineering College.	10 th October 2007
4	Ignite the Minds of Bio-signal Engineers towards Research	workshop	National Engineering College	2 nd October 2007
5	Advances in Fuzzy System	Workshop	Sethu Institute of Technology ,Kariapatti.	7 th & 8 th December 2007
6	Embedded System Design with 8051, PIC ARM	workshop	National Engineering College	15 th dec 2007
6	ICMR sponsored on Advancements in Medical Engineering towards Research	National Seminar	National engineering college	28 TH -29 TH MAR 2008
7	Embedded System Design and its Application	National Seminar	National engineering college	19 th & 20 th September 2008
8	Analysis of Electrical Generators for Wind Energy Systems	National Level Seminar	National engineering college	29 th & 30 th Dec 2008
9	Advances in optical fiber Technology and Networks	short term training programme	National Engineering College	26 th to 30 th May 2008
10	Calibration – Principles and Management requirements	workshop	Small Industries testing and Research Centre, Coimbatore	11 th Jan 2002
11	DCS and PLC overview	Training	Training center of Yokogawa India Ltd	5 th -9 th Oct 2009
12	Graphical System Design using LabVIEW for Research and Engineers	workshop	National Engineering College	11 th -13 th Nov 2009
13	High impact Teaching Skills conducted by Wipro	Workshop	National Engineering College	30 th Nov to 1 st dec 2009

S. No	Name of the Programme	Seminars/ Workshops/ Symposium	Venue	Date / Month & Year
14	LabVIEW software and Hardware	Workshop	FX Engineering college	21 st -22 nd aug 2009
15	Softcomputing Techniques.	Workshop	Mepco schlenk Engineering college, sivakasi.	11 th and 12 th February 2010
16	Research Issues on Bio medical Signal Processing and Instrumentation	Seminar	National Engineering College	24 th -26 th Feb 2010
17	AICTE sponsored –FPGA for DSP Applications	Seminar	National Engineering College	17 TH -18 TH JUNE 2011
18	CSIR sponsored- Bio-medical Engineering Advancements in Medical Engineering towards Research	Seminar	National Engineering College	17 TH -19 TH MAR 2011
19	ISTE chapter- Workshop on LATEX	Workshop	Dept of Information Technology of Dr. Sivathi Aditanar College of Engineering	15 th Nov 2011
20	DRDO sponsored- Advancements in Medical Engineering towards Research	National Seminar	National engineering college	5 TH -6 TH AUG 2011
21	Media security: A set-theoretic framework for Data Hiding	workshop	National Engineering College	29 th August 2012
22	Image Processing using MATLAB	workshop	ITIE Knowledge solution, Bangalore	19 th & 20 th October 2012
23	BRNS sponsored- Non Destructive Evaluation	National Seminar	National engineering college	19 th – 21 st Sep. 2013
24	Hands on Training Program on Embedded Systems using Microchip PIC Microcontroller	Training	Falcon ,Coimbatore	3 rd – 8 th March 2014

S. No	Name of the Programme	Seminars/ Workshops/ Symposium	Venue	Date / Month & Year
25	17 th ISTE annual convention and conferment of Life time achievement awards 2014	annual convention	National Engineering College	7 th -8 th Nov 2014
26	Emerging technologies with hands on and live demo	faculty development programme	Perpetro Technologies, Chennai and National Engineering College	7 th -8 th Nov 2014
27	Training of Evaluators	Workshop	National Engineering College	14 th to 16 th March 2014
28	NPTEL workshop	workshop	National Programme on Technology Enhanced Learning (IIT Madras)	13 th march 2015
29	OrCAD entuple Didactic Seminar Cadence OrCAD PSPICE	seminar	Vellammal College of Engineering	22 nd 2015
30	Embedded System design using PIC	Workshop	National Engineering College	31.07.15,01.08.15 &03.08.15
31	Intellectual Property Rights &Innovations	Workshop	National Engineering College	07.11.2015
32	Training programme on Technology enabled teaching learning process	Training programme	National Engineering College	27 th to 29 th May 2017

10. Details of Sponsored Research Projects

S. No.	Name of Project	Funding Agency	Fund Received	Date of commencement	Date of Completion
1.	Automatic vision controlled Wheel chair using Virtual Instrumentation (LabVIEW)	Tamil Nadu State Council for Science & Technology	Rs. 6,000/-	Jan 2012	May 2012
2.	Gesture Recognition and voice translation of deaf and dumb people	Tamil Nadu State Council for Science & Technology	Rs. 10,000/-	25.04.17	31.10.2017

3.	Smart device for blind	NSTEDB(DST), New Delhi	Rs. 2,50,000/-	2016-2017	2016-2017
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11. Society Membership

ISTE –Life member

12 Expert Lecture Delivered

Name of the Program	Lecture Title	Date	Address of the Institution / Organization where held
Seminar (NEC CSI students chapter)	Lab VIEW for engineers	22.09.2014	National Engineering College
Seminar (ISTE students)	Introduction to LabVIEW	March 2016	National Engineering College

13 Other Achievement

- A 10-hour NPTEL online course on “Introduction to Research” has been Successfully completed with Elite certificate during January –February 2016.
- A 40-hour NPTEL online course on “industrial Automation & Control” has been Successfully completed during January – April 2016.
- A four week NPTEL online course on “Outcome Based Pedagogic Principles for Effective Teaching” has been Successfully completed with Elite certificate during Jan – Feb 2017.
- Undergone industrial training (Industrial know-how) during 31.10.2016 to 11.11.2016 at Greenstar fertilizers limited (southern petrochemical industries corporation (spic)), Instrumentation division, Tuticorin.