


Sri Sai Ram Engineering College

Department of Instrumentation and Control Engineering

NAME: T. MAGAYARKARASI	
Designation:	Associate Professor/HOD
Qualification:	M.E., (Ph.D)
Area of Specialization:	Medical Image Processing and Analysis and MEMS
Experience:	Teaching- 18 yrs
	Industry/Polytechnic: Nil
Number of Workshops/ Conferences/ FDP Attended:	Worshop-20 Conference-11 FDP - 06
Publication:	Journal: National: 03 International: 04
	Conference: National: 04 International: 04
Research Guidance:	Guided 36 UG projects till date
General:	<ul style="list-style-type: none">• Department Head• Project Co-ordinator• Student counsellor• Resource Person for Technical Talk, Judge for Paper Presentation in Conferences and Symposium• Member in various Professional Bodies- ISTE, IETE and ISA• Certified ISO internal Auditor• Volunteer Blood Donor

Staff Achievement	<ul style="list-style-type: none"> • Have won cash award for producing 100% results for more than 20 subjects • Co-Ordinator for establishment of Advanced Virtual Instrumentation Lab – 15 Lakhs fund from AICTE Modrob Scheme. • Co-Ordinator for Anna University sponsored FDP- Biomedical Instrumentation- Fund from Anna University Rs.32,000/- • R&D initiative with CSIR, IGCAR Kalpakkam, EC member for ISA- South India Section till 2012. • Won best teacher award – For Excellence in Teaching Service from LIONS Club OF MMS in the year 2006 • Won the academic excellence award- Women’s Educational Achievers Award- 2015- for service in Teaching Field- awarded by KALVI CHUTAR • WON KALVI SEMMAL AWARD-2017 from KAVIYARASAR KALAI TAMIL SANGAM • Instrumental in establishing Industry – Institute Partnership for ICE department through various Industry linked Programmes like Guest Lecture, Seminars, Industry based consultancy, Projects, Industrial visits and MoU’s
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Experience:

S. No	Name of the Institution	Designation	Department	Period of Experience
1.	Sri Sairam Engineering College, West Tambaram, Chennai	Associate Professor	Instrumentation and Control Engg	8 yrs (Aug2009- till date)
2.	Sri Sairam Engineering College, West Tambaram, Chennai	Senior Lecturer	Instrumentation and Control Engg	3 yrs (Aug2006- July 2009)
3.	Sri Sairam Engineering College, West Tambaram, Chennai	Lecturer	Instrumentation and Control Engg	5 yrs 8 months (Nov2000- July 2006)
4.	Thangavelu Engineering College, Chennai	Lecturer	Electronic and Instrumentation Engg	1 yr (Dec 1999-oct 2000)

Workshop/Conferences/FDP:

Attended:

- Faculty Training Programme on “NANO Instrumentation Systems and Biomedical Nanotechnology” B.S.Abdur Rahman Crescent University- Nov 2017
- IEEE-Workshop on “Emerging Trends and Future Perspective in Image Processing and Computer Vision” Jan 2017
- KCT- Industry- Academia- INSRUMETATION MEET 2016- March 2016
- Attended 3rd WOSA- outcome based Accreditation – March 2016
- FDP- “Innovations in Research and Projects”- TCS Hyderabad- June 2016
- Technical talk on “Advanced Process Control for Process Industries”
- IEEE-Workshop on “Emerging Trends and Future Perspective in Image Processing and Computer Vision” Jan 2015
- Workshop on “Recent Developments in Medical Image Processing “SSN Engineering College 2014
- Workshop on “MEMS and NEMS- Fundamentals, Design and Application” Dec 2013- IIT Hyderabad
- FDP- Emotional Intelligence –CTS, Chennai- April 2013
- Workshop on “ART OF JOURNAL AND THESIS WRITING” – JAN 2012
- Workshop on MEMS software- August 2011
- Workshop on “Introduction to Comsol Multiphysics Version 4.2” August 2011
- CSIR Sponsored Workshop on “SMART MEMS AND SENSOR SYSTEMS Dec 2010
- Seminar on “Safety Integrity a life cycle Approach”- IIT MS DRAS- Nov 2010
- Workshop on “Biomedical Signal and Image Processing” Sep 2010
- Workshop on “ Microelectro mechanical system “ SRM university ,Aug 2009
- Workshop on “ Virtual instrumentation – LABVIEW based machine vision and embedded applications” ,Easwari Engineering College, Feb 2008
- Workshop on “Relevance of Instrumentation and Automation in today’s world” organized by ISA south India section during JAN 2008
- STTP in “Recent trends in Bio-medical Instrumentation “, SRM University , 2005
- Workshop on “Recent trends in Process Automation”, St. Joseph College of Engineering , 2004
- Workshop on “Advances in Process control and Instrumentation”, Easwari Engg. College, 2004
- Workshop on “ DSP and Embedded Systems”- Feb 2004
- Workshop on “ Virtual Instrumentation ,Lab View and Embedded system- July 2003

- Workshop on “Effective Teaching” August 2002
- Seminar on “IT in IT” – July 2002
- Workshop on “Teaching Technology and Counselling Skill” Feb 2001

Organised:

- Department National Conferences- 2013 and 2014
- ISA Students MEET and Leadership meet- 2010 and 2011
- Workshop on “PLC based Industrial Automation”, July 2009
- Seminar on “Role of Instrumentation in Automation industries” , July 2009
- Seminar on “Detailed Engineering in Instrumentation and Control”, Sep 2009
- Workshop on “Electronics Design and Automation “ , Aug. 2009
- Faculty development program on “Biomedical Instrumentation “Sponsored by Centre for Faculty Development, Anna University, Chennai during winter 2007.

Publications:

Journals:

- “PNN-based analysis system to classify renal pathologies in Kidney Ultrasound Images”- IEEE Xplore Digital Library- ISBN: 978-1-5090-6220-1, April 2017
- “Development of patient assistive tool for the detection of abnormalities”- Indian Journal of science and technology -Vol-8(24)pp.1-5-e-ISSN:0974-5645-p-ISSN: 0974-6846- Sep-2015
- Novel method of vibration measurement using MEMS accelerometer”- C.I.I.T Journal- ISBW: 978-1-4675-2248-9- April-2012
- Automatic Detection of hand tremor using microaccelerometers, SSEC TECH Journal-2011, Page no 67-75

Paper presentation in conferences- national and international:

- Presented paper titled “ Texture Feature based Classification of Dermatological Diseases” in first International Conference on Instrumentation ,Electrical and Electronics Engineering” organized by EIE- Saveetha Engineering College, March 31st 2017
- Presented a Paper titled “ Design and analysis of Diaphragm Element for Piezoresistive Micro Pressure Sensor”- National conference “ICIA 14- KCT-March 2014
- Presented a paper titled “Analysis of Simple Structure for Silicon Capacitive Micro Accelerometers”- National Conference on Instrumentation- CSIO- Oct 30- Nov 2012
- Presented paper titled “Labview based Vibration Analysis of Electrical machine using MEMS Accelerometer”, in national conference on New Avenues in sensors and automation (NASA 12) organised by department of Electronics and Instrumentation Engineering March 2012
- “A Novel method of vibration measurement using MEMS accelerometer” (ICCCE-12), Departments of computer science and engineering, Information technology and Electronics and Instrumentation engineering, at Dr.MGR Educational and Research Institute University, Chennai, 06th -09th April 2012