



- Delivered a Guest lecture on '**Internet of Things**' at Two days workshop on Trends and Challenges in Virtual Instrumentation (TCVI-16) organized by the Department of Electronics and Instrumentation Engineering, Annamalai University, 2016.

### **Sponsored Projects:**

Grants Received from	:	<b>UGC</b>
Year	:	2017
Scheme	:	<b>UGC (XII Plan) Innovative Research Scheme</b>
Sanctioned Amount	:	Rs. 4,50,000/-
Title	:	<b>Indigenous Design and Fabrication of Pitching Machine</b>
Duration	:	<b>1 Year</b>
Status	:	<b>Completed</b>

**(on the field since inception for training purpose)**

**Outcome** : The proposed system has been designed, tested and used for the benefit of the students of Physical Education Department of Annamalai University to **enhance their muscle memory** with an automated system in the game of cricket.

Patents : Nil

### **Publications:**

### **International Publications**

1. R. THIYAGARAJAN S.Arulselvi, "Wavelet Based Face Recognition Using Statistical Modeling.", *CiiT International Journal of Digital Image Processing*, Volume 2, Number 8, Aug 2010, pp. 250-255. DIP082010004.
2. R. Thiyagarajan C.Magesh Kumar S.Arulselvi S.P.Natarajan, "Feature Based Face Recognition System with Statistical Modelling Techniques and Neural Classifier.", *International Journal of Decision Making in Supply Chain and Logistics*, Volume 1, Number 2, Jul 2010, pp. 233-246. 2010.
3. R.Thiyagarajan S.Arulselvi G.Sainarayanan, "Statistical Models for Face Recognition System With Different Distance Measures.", *International Journal of Image Processing (IJIP)*, Volume 4, Number 6, Feb 2011, pp. 647-660. 2011.
4. T. Mohandoss, R. Thiyagarajan, S. Arulselvi, "Face Recognition by Fusing subband images and PCA.", *International Journal of Computer science and Information Security*, Volume 10, Number 9, Sep 2012, pp. 100-105. 2012.
5. Revuru Sarveswara Prasad1 Rathinam Thiyagarajan, "Kinetic Gas Molecular Optimization Method for PV System Under Partial Shaded Condition", *International Journal of Intelligent Engineering and systems* Vol.13,No.4,2020.

### **National Conference Publications**

1. Revuru Sarveswara Prasad and R. Thiyagarajan, An Efficient Optimization Technique for PV Systems Under Partial Shaded Condition, *Proceedings of National Conference on Process Automation, Control and Computing (NCPACC 2018)* , Nov 9-10, 2018, Department of Electronics and Instrumentation Engineering, Annamalai University, pp. 90-96. Coimbatore, Bonfring.
2. T. Mohandoss, R. Thiyagarajan, S. Arulselvi, Face Normalization for Illumination invariance Face Recognition system, *National Systems Conference*, Dec 6-8, 2012, Annamalai Nagar, pp. 265-271. Annamalai nagar, National Systems Conference.
3. C.MageshKumar, R.Thiyagarajan, S.P.Natarajan, S.Arulselvi, G.Sainarayanan, Statistical Modelling with Gabor Feature and SVM for an Unsystematic Data in Face Recognition,

*National Conference on Signal Processing, Communication and VLSI Design*, May 6-7, 2011, Coimbatore, pp. 1-5. Coimbatore, IEEE, CSIR-INDIA.

## **International Conference Publications**

1. R. Thiagarajan C.Magesh Kumar S.Arulselvi S.P.Natarajan, Gabor Features and LDA Based Face Recognition with ANN Classifier, *International conference on Emerging Trends in Electrical and Computer Technology*, Mar 23-24, 2011, Nagercoil, pp. 831-836. Nagercoil, IEEE.
2. R.Thiyagarajan, Gabor Feature based Classification using Statistical Models for Face Recognition, *Procedia Computer Science*, Sep 3-4, 2010, Coimbatore, pp. 83-93. Coimbatore, Elsevier.

## **Conferences and Workshops attended**

- Measurement and Automation in Instrumentation (International conference), National Instruments, Bangalore, 2000.
- One day seminar on Safety in Engineering Laboratories, Faculty of Engg and Tech, Annamalai University, 27<sup>th</sup> Feb 2000.
- Two day Workshop on Educational Utilization of Standard Programme, Faculty of Engg and Tech and BIS, Annamalai University, Mar 12<sup>th</sup> and 13<sup>th</sup> 2003.
- One day Workshop on Electronic Circuit Design & Simulation, Department of Electrical Engineering, FEAT and AMDL, Bangalore & Vi-Micro system, Chennai, India.2004
- One day Workshop on Patent Awareness, Faculty of Engg and Tech, Annamalai University, 14<sup>th</sup> Apr 2004.

- Short Term Course on Fuzzy Logic and Artificial Neural Networks, 27<sup>th</sup> Nov to 1<sup>st</sup> Dec 2006, NITTTR, Chandigarh.
- Short Term Course on MATLAB, 19<sup>th</sup> Nov to 23<sup>rd</sup> Nov 2007, NITTTR, Chandigarh.
- Two day National Workshop on Latest Trends on Video Processing, Dept of Electrical Engg, New Horizon College of Engineering, Bangalore, 2008.
- Short term course on “Hands on Practice on LabView” Nov 20 to Nov 24, 2017, NITTTR, Chandigarh.
- Attended **two day National Workshop on cRIO** for Renewable Energy Applications (CRIOREA 17) Conducted by Centre for Renewable Energy, Faculty of Engineering and Technology, Annamalai University, 2017.
- Attended two day National Workshop on “**Emerging Challenges in the operation and Control of Solar Power Plants**” Conducted by Centre for Renewable Energy, Faculty of Engineering and Technology, Annamalai University, 2018.
- Attended TEQUIP sponsored FDP on “AI- The world of Prediction Machines”, organized by Department of Electronics and Instrumentation Engineering, Government College of Technology, Coimbatore, from 24<sup>th</sup> June to 30<sup>th</sup> June, 2020.

**Membership in Professional Bodies:**

**The Institution of Engineers (India) - M-162658-7**