

Payment particulars

Cheque / DD Number:

Bank :

Date :

Amount (Rs) :

Place :

Date : Signature of the participant

BONAFIDE

This is to certify that Mr./Ms. _____ is a student/ faculty/ employee of our institution/organization and hereby sponsored. He/She will be permitted to attend the programme.

Date: Office Seal Signature of the Sponsoring Authority

For further details please contact

Ms.L.Priya

AOP/IT,

Training Co-ordinator

COE in Machine vision
Rajalakshmi Engineering College,
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Email: priya.l@rajalakshmi.edu.in

Website: www.rajalakshmi.org/tifac-core

Dates to ponder

Last date for Registration : 10th Dec 2017

Programme Schedule : 13th -15th Dec 2017

Timings : 8.30 AM To 3.00 PM

Registration Fee

Students from Academic Institutions: Rs. 500/-

Participant from Govt. Research Organizations: Rs. 1500/-

Faculty from Academic Institutions: Rs. 750/-

(Inclusive of Lunch & Tea)

Note:

Payments to be made in the form of DD only

DD to be drawn in favour of:

Rajalakshmi Engineering College, payable at chennai

- ✚ **For transport details, visit www.rectransport.com**
- ✚ For accommodation requirements, please contact on or before 10th Dec 2017.
- ✚ Number of Participants is limited to 30 only. Participants are requested to bring their Laptop for all practical sessions, which will facilitate the loading of the software during the conduct of the course.
- ✚ Registration can be done through email by sending DD number.

**Rajalakshmi Engineering
College, Chennai**

**WORKSHOP ON DIGITAL
IMAGE PROCESSING USING
LABVIEW**

13th -15th Dec 2017



Organized by

**Center of Excellence in
Machine Vision-A TIFAC CORE LAB**

Rajalakshmi Engineering College

Rajalakshmi Engineering College is one of the leading ISO-9001-2000 certified; NAAC and NBA accredited engineering colleges established under self-financing scheme in 1997. The college has been growing from strength to strength in the last 18 years and moving ahead to become a Centre of Excellence in Engineering, Management Education, Research and Development. The college is located in a serene atmosphere amidst many multinational companies in Thandalam, about 25 kms from Chennai on the Bangalore National Highway (NH4), providing the right industrial ambience for the budding engineers. The institution currently offers 13 UG programs, 9 PG programs, and 9 Research programs.

Centre of Excellence in Machine Vision

Centre of Excellence in Machine Vision at Rajalakshmi Engineering College is established with seed funding from TIFAC-CORE, Department of Science and Technology, New Delhi. The centre has been providing solutions for automated QC in manufacturing production lines. Several solutions have been implemented for Industries such as automotive, Pharmaceutical; Electronics and Packaging. The centre provides consultancy services, turn-key solutions, Courses for academicians and corporate executives as well as in house training for budding engineers.

Workshop Content

	FN	AN
Day 1	<ul style="list-style-type: none"> Fundamentals of Digital Image Processing Techniques(T) LABVIEW Fundamentals(P) 	<ul style="list-style-type: none"> LABVIEW Fundamentals(P) LABVIEW Installation and Image Acquisition (P)
Day 2	<ul style="list-style-type: none"> Intensity transformations and Spatial Filtering(T) Image enhancement(P) Color Plane Extraction(P) ROI Extraction(P) Blob analysis(P) 	<ul style="list-style-type: none"> Filtering Techniques Hands-on(P) Blob analysis(P) Color Plane Extraction(P) Edge Detection Algorithms (P)
Day 3	<p>Demonstration of Machine Vision Camera(s) and appropriate Lightings</p> <p>Mini-project in any of the following areas</p> <ul style="list-style-type: none"> Surface Inspection Defect Detection Pattern Matching OCR Profile Inspection for Quality Check Color matching for Quality Check Object Tracking 	
T- Theory Sessions; P-Practical Sessions		

Course Outcome

At the end of the course, the participant will be confident in handling,

- Assembly errors
- Manufacturing Defects
- Packing Defects
- Lens profile Verification
- Surface inspection

REGISTRATION FORM

WORKSHOP ON DIGITAL IMAGE PROCESSING USING LABVIEW

13th -15th Dec 2017

Name (in BLOCK LETTERS) :

Institution/Organization :

Address For Communication :

E-mail ID :

Phone (Off.) :

(Res.) :

Mobile :

Signature of the Sponsoring authority

Signature of the participant