

Vemu Institute of Technology  
Affiliated to JNTUA, Ananthapuram

## REGISTRATION FORM

Faculty Development Programme

on

**MATLAB**

Name: \_\_\_\_\_

College: \_\_\_\_\_

Branch: \_\_\_\_\_

Address for  
Correspondence: \_\_\_\_\_

Phone No: \_\_\_\_\_

E-mail Id: \_\_\_\_\_

Registration fee: 400/-

Signature of the Candidate

Signature of  
Sponsoring Authority  
With Seal

Chief Patron  
**Dr. K. Chandrasekhar Naidu**  
Chairman

Patron  
**Dr. K.V.N.V.N. Rao**  
Principal

Convener  
**Prof. L. RAMAMURTHY**  
HOD, Dept. OF ECE

### ORGANIZING COMMITTEE:

**Dr. I.S.Rao**  
Ph.D, Professor  
**Mrs.R.Rani,**  
M.Tech, Associate Professor

**Mr.N.Kiran kumar,**  
M.Tech, Associate Professor

**Mr. H.Chandrasekar**  
M.Tech, Associate Professor

**Mr. C.S.Murali Mohan**  
M.Tech, Associate Professor

Vemu Institute of Technology  
P.Kothakota

Organizes

Faculty Development Programme

On

**MATLAB**

From

**DECEMBER 11-15, 2017**



# VEMU

INSTITUTE OF TECHNOLOGY

(Affiliated to JNTUA, Ananthapuram)  
P.Kothakota, Chittoor- 517112,.

E-Mail:  
vemuecedept@gmail.com  
Contact:-8886661104



## VEMU PROFILE

Vemu is one of the ISO 9001-2015 certified premier Engineering/ Management colleges in the region of Rayalaseema of A.P. Established in 2008 (located on the Chittoor – Tirupati Highway), approved by AICTE and affiliated to JNTUA.

## VISION OF THE DEPARTMENT

To develop as a center of excellence in electronics & communication engineering field and produce graduate with knowledge of core as well as interdisciplinary domain, cutting edge technologies of the industry and research along with human values and professional ethics to addresses the global and science challenges.

## MISSION OF THE DEPARTMENT

- Provide the students an environment of academic freedom that will insure the exchange of ideas and

knowledge through effective teaching.

- Enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities.

- Provide industry-institute interaction training to the students that bridge the gap between industry and academic along with ethics and values.

## RESOURCE PERSONS

**Mr. Vishwajeet S Rana,**

Senior Trainer,  
Innovians Technologies,  
Hyderabad.

&

**Mr.T.RamaRao,**

Application Engineer, Digital Shark  
Technologies,Bangalore

## FDP ON MATLAB covers

- Simulation of single phase SPWM (Unipolar) inverter.
- JPEG compressor using MATLAB
- Neural networks-based MATLAB face recognition using MATLAB
- Road extraction technique from satellite images
- Automatic train operation and control using MATLAB

## Eligibility:

Faculty of Engineering Colleges & PG Colleges offering B.Tech, M.Tech

## GENERAL INFORMATION:

No. of Participants limited to 50

Accommodation will be provided on Payment basis.

Free Transport from Tirupati & Chittoor  
Participation Certificate will be issued.

## CONTACT PERSON

**Prof. L.Ramamurthy,** Convener

Mobile: 8886661104

vemuecedept@gmail.com

## IMPORTANT DATES:

Last date for the receipt of filled in application 11.12.2017

FDP date: 11-15, DECEMBER-2017





**VEMU INSTITUTE OF TECHNOLOGY P.KOTHAKOTA**  
 NEAR PAKALA, CHITTOOR-517112  
 (Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)

**Department of Electronics & Communication Engineering**

**FDP Schedule**

**Title : FDP on MATLAB**

**Date:** 11/12/2017-15/12/2017

**Resource Person :** Mr. Vishwajeet S Rana, Senior Trainer, Innovians Technologies, Hyderabad.

**Target Audience:** ECE Faculty

**Venue:** ECE Seminar Hall

		Session 1		L U N C H  B R E A K	Session 2	
Timings Date	10:00 to 11:15 (Topic)	T E A  B R E A K	11:30 to 1:00 (Topic)		1:50 to 3:00 (Topic)	3:10 to 4:10 (Topic)
11-12-2017	Introduction		Simulation of single phase SPWM (Unipolar ) inverter		MATLAB based simulator for automous mobile robots	Traffic sign detection usig MATLAB
12-12-2017	Controlling of device through voice recognition using MATLAB		Automatic train operation and control using MATLAB		MATLAB simulation of heavy duty diesel engine	Person identification based on teeth recognition
13-12-2017	Road extraction technique from satellite images		MATLAB based modeling of hybrid electric vehicle		MATLAB simulation on solar energy system	Wall crack detection using MATLAB
14-12-2017	JPEG compressor using MATLAB		Analysis of CDMA modem using MATLAB		Neural networks based MATLAB face recognition using MATLAB	Symbol recognition using MATLAB
15-12-2017	Recognition of vehicle number plate usig MATLAB		Brain tumor extraction from MRI images using MATLAB		Defect detection in ceramic tiles	Color and texture based image retrieval system

**INCHARGE**

**HOD**  
 DEPARTMENT OF ECE  
 VEMU INSTITUTE OF TECHNOLOGY  
 P.KOTHAKOTA - 517 112



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

[illegible]



14.	Mrs. M.Poornima	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu
15.	Mr. N.Kiran Kumar	Kk	Kk	Kk	Kk	Kk	Kk	Kk	Kk	Kk	Kk
16.	Ms. U Somalatha	U	U	U	U	U	U	U	U	U	U
17.	Mrs. S.Chandana	C	C	C	C	C	C	C	C	C	C
18.	Mr. K.Rohith	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru
19.	Mrs. D.Reena	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re
20.	Ms. J.V.Pesha	P	P	P	P	P	P	P	P	P	P
21.	Mrs. M.Bhargavi	B	B	B	B	B	B	B	B	B	B
22.	Mr. .P.H.ChandraMouli	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch
23.	Mr. P.Vemaiah	V	V	V	V	V	V	V	V	V	V
24.	Mrs. P.Sirisha	S	S	S	S	S	S	S	S	S	S
25.	Ms. V.Bharathi	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh	Bh
26.	Mrs. M.J.Chithraja	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch
27.	Mr. C.Purushotham	P	P	P	P	P	P	P	P	P	P
28.	Mr.P.Mahesh Kumar	M	M	M	M	M	M	M	M	M	M

  
CO-ORDINATOR

  
HEAD  
DEPARTMENT OF ECE  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112



# VEMU INSTITUTE OF TECHNOLOGY

P.Kothakota, Chittoor District -517112

## REPORT

Faculty Development Programme on

**MATLAB**

11<sup>th</sup> to 15<sup>th</sup> December, 2017

The Faculty Development Programme on Recent trends in video processing was conducted by the Department of Electronics and Communication Engineering, at Vemu Institute of Technology, P.kothakota from 11<sup>th</sup> -15<sup>th</sup> of December 2017.

Co-Ordinators of this FDP:

Mr. T.MUNI REDDY, Associate Professor, and

Mr. C.S.MURALI MOHAN, Assistant Professor

The Inaugural function of this FDP was held on 11<sup>TH</sup>-15<sup>TH</sup> December 2017 in ECE SEMINAR Hall at 9.30 a.m. Principal and Patron Dr. P.KUMAR BABU was the chief guest of the function. Prof. L.Ramamurthy, Head, Electronics & Communication Engineering Department presided over the function.

Resource persons of this FDP:

**Mr. Vishwajeet S Rana, Senior Trainer, Innovians Technologies, Hyderabad.**

**Mr.T.Rama Rao, Trainer, Application Engineer, Digital shark Technologies, Bangalore**

The main objective of the workshop is to introduce the knowledge of video processing trends. The field of digital image and video processing has an enormous growth in the research over the past two decades.

The FDP started with one hour interactive session on Introduction to digital image and video processing. This course is aimed and designed to provide a better exposure for the participants in the fields of Image and Video processing in research and perspective.

The FDP aimed at providing hands on experience to the participants on sessions are arranged in the faculty development programme, through which the participants can gain knowledge in video processing under the supervision of the designated mentors Mr. R.Jayakumar, Mr. H.Chandrasekhar.





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The FDP came to an end with a brief valedictory session which is followed by feedback from the participants. Most of them felt that such FDP's are very useful in updating their knowledge on the latest technologies and are confident of handling effectively the newly introduced course on recent trends in video processing.

Session Running



Lab Session



  
Co-Ordinator

Mr. C.S.MURALI MOHAN



Prof. L.RAMAMURTHY

HOD, Department of ECE

**HEAD**  
**DEPARTMENT OF ECE**  
**VEMU INSTITUTE OF TECHNOLOGY**  
**P. KOTHAKOTA - 517 112**



# VEMU INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Permanently Affiliated to JNTUA, Anantapuram  
Accredited by NAAC and ISO 9001:2015 Certified Institution)  
Tirupati-Chittoor Highway road, P.Kothakota, Chittoor-517112

## Certificate of Participation

This is to certify that Dr./Prof./Mr./Ms./Mrs. S.CHANDANA

From VEMU IT participated in Faculty Development Programme on:  
"MATLAB" held between 11<sup>th</sup> to 15<sup>th</sup> Dec 2017, Organized by Dept. of Electronics and Communications  
Engineering, Vemu institute of technology, P. Kothakota, Chittoor.

Co-ordinator

PRINCIPAL  
VEMU INSTITUTE OF TECHNOLOGY  
P. KOTHAKOTA - 517 112  
HOD-ECE

Principal



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## Certificate of Participation

This is to certify that Dr./Prof./Mr./Ms./Mrs. P. VEMATHA

From VEMU IT participated in Faculty Development Programme on  
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Engineering, Vemu institute of technology, P. Kothakota, Chittoor.

Co-ordinator

PRINCIPAL  
VEMU INSTITUTE OF TECHNOLOGY  
KOTHAKOTA - 517 112

HOD-ECE

Principal