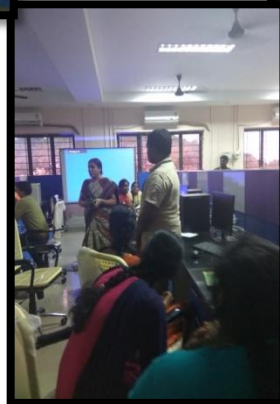# Two days workshop on National Instruments for Embedded System

Under the patronage of UGC-UPE project, Anna University

On

7th & 8th January 2020

Coordinated by

Dr.S. Nirmala Devi, Professor, Dept.ECE

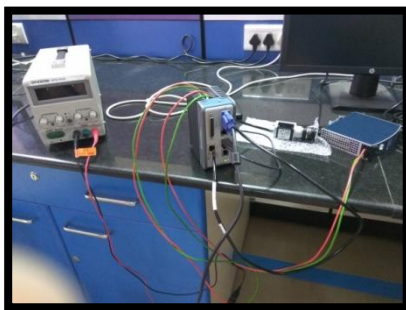**Dr. T.Jayasree, Asst. Professor, Dept.ECE**

Two days workshop on National Instruments for Embedded System

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Dr.S. Nirmala Devi, Professor, Dept.ECE

Dr. T.Jayasree, Asst. Professor, Dept.ECE

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Report on Two days workshop on National Instruments for Embedded System

Under the patronage of UGC-UPE project, Anna University

On

7th & 8th January 2020

Under the guidance of the University with Potential for Excellence (UPE), Anna University, two days workshop on National Instruments for Embedded System in association with Embedded system solutions private Limited, Bengaluru, has been conducted on 7th & 8th January 2020 for the benefits of faculty members, research scholars and UPE project staff members of Anna University. The workshop was conducted by the UPE -Optoelectronics and Medical Imaging team consisting of Dr. S. Nirmala Devi, Professor, Department of ECE & Dr. T.Jayasree, Assistant Professor Department of ECE. Around 17 participants were benefitted from the workshop.

The workshop was inaugurated by Dr. S. Nirmala Devi, Professor, Department of ECE and special address was given by the expert member Mr. D. Kannan, Regional Manager, Embedded system solutions private limited. The first session was started by Mr. V. Jeejesh kumar, Senior Application Engineer where brief introduction about LabVIEW and various task and hands on training is given on NI CVS system and testing. The afternoon session was handled by Mr. V.Jeejesh kumar and Mr. M Venkateshwaran (Application Engineer) focusing on VDM testing on camera and accessories followed by lab VIEW vision acquisition modules programs.

The next day (8th January 2020) Mr. V.Jeejesh kumar started the session with building small programs in LV VDM using express VI's followed by vision building for image processing . The session was ended by 4.45 pm the feedback from the participants has been collected and Dr.T.Jayasree, Assistant Professor, Department of ECE delivered the vote of thanks.

Agenda for the Workshop

UNIVERSITY WITH POTENTIAL FOR EXCELLENCE IN BIOMEDICAL ENGINEERING AND INSTRUMENTATION (UPE-BMI), ANNA UNIVERSITY , CHENNAI – 600 025

Two Days Workshop On "National Instruments for Embedded System"

Program Schedule

Inauguration- 9.00 am to 9.30 am   Venue: Opto Electronics and Medical imaging Lab, Dept of ECE, 3rd floor, CEG, Anna University.

Date	Day	First Session	Tea Break 11-11.15 am	Second Session	LUNCH 12.45-1.30 pm	Third Session	Tea Break 3.15-3.30 pm	Fourth session
07.01.2020	Tuesday	Installation of NI CVS 1458 System and Testing.		Installing the VDM on CVS 1458 testing with Camera and its accessories.		Installing VBAI on the College PC / CVS 1458.		Introduction to NI Lab VIEW Graphical Programming Platform (Assuming new to LV Platform) Else: Start the Lab VIEW Vision Acquisition Modules Programs using Express VI's with Basler Camera.
08.01.2020	Wednesday	Build small programs in LV VDM using Express VI's		Introduction to Lab VIEW VDM Programming using Low Level VI's		**Third & Fourth session** Introduction to Vision Builder for Automated Inspection System and build a small Pass/Fail Test Case.		

Permission Letter

From,

Dr.S.Nirmala Devi,

Professor, Dept of ECE,

CEG, Anna University,

Chennai - 600 025.

02-01-2020

To,

The Head of Department,

Dept of ECE,
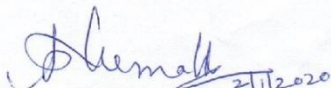
CEG, Anna University,

Chennai - 600 025.

Through Proper Channel

Sir,

Sub: Permission for Two days Workshop on National Instruments – reg.

It is Proposed to conduct Two days workshop on **"National Instruments for Embedded System"** is organized by the University with potential for Excellence in Biomedical Engineering and Instrumentation (UPE-BMI) on **7th & 8th January 2020 in Opto Electronics and Medical Imaging Lab**. So kindly give necessary permission to conduct the two days workshop .

Thanking You.

Dr.S.Nirmala Devi,

Dept of ECE.

HOD, 21/1/20

Dept of ECE.
**HOD
Dept. of ECE
College of Engineering
Anna University, Chennai-25.**

Request Letter

From   06.01.2020

        Dr.T.Jayasree,
        Assistant Professor,
        Department of ECE,
        CEG,
        Anna University
        Chennai- 600025.

To

        The HOD/ Coordinator UPE,
        Department of ECE,
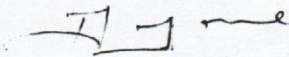   CEG,
        Anna University
        Chennai- 600025.

Respected Sir,

Sub: - Arrangement for snacks & Lunch for the expert members- Request -Regarding

National Instruments for embedded systems is a tool kit purchased under the University with Potential for Excellence in Biomedical engineering and Instrumentation. NI tool kit has wide application in data base connectivity and opto electronic imaging. In this connection "Two days workshop on National instrument for embedded systems" is scheduled on 07.01.2020 & 08.01.2020 in the Optoelectronics and Medical Imaging Lab, in the Department of ECE. The numbers of participants are around 20. We kindly request you to arrange tea and snacks for both morning and afternoon sessions for 30 members. We also request you to kindly arrange lunch for the expert members for two days (07.01.2020 & 08.01.2020).

Thanking You

Yours faithfully

T.JAYASREE

HOD
Dept. of ECE
College of Engineering
Anna University, Chennai-25.

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Attendance List

Two days workshop on National instrument for embedded systems

7th and 8th January 2020

Under the patronage of UGC-UPE project, Anna University

Attendance Sheet

S.No	Name	Department	07.01.2020		08.01.2020	
			F.N	A.N	F.N	A.N
1.	M. GIUNAPRIYA	ECE (BIO-MEDICAL				
2.	S. EVELINE SWETHA	ME. BIOMEDICAL				
3.	JESSILA MOHMATHA	M.E. BIOMEDICAL				
4.	Bindhuja Jemi Bharal	M.E Biomedical				
5.	Nandb Bhavani	M.E Biomedical				
6.	A. ABISHEK	M.E. Biomedical				
7.	Swetha. R	M.E Medical electronics				
8.	Priyanga. S	M.E Medical Electronics				
9.	kayalvizhi. D	M.E Medical Electronics				
10.	SUGANTHI. P	M.E Medical Electronics				
11.	Preetha. S	M.E. Medical Electronic				
12.	Scanimozhi. B	ME-medical electronics	B.leei	B.laanili	B.cali	B.kali
13.	Priyadharshini. R	ME-Biomedical				
14.	Kaviya. V. B	M.E Biomedical	NB-Berg	←	ABSENT	→
15.	LOganathan. S	Research sdpn				ABSENT
16.	Sheeba Monisha. T	M.E Medical Electronics				
17.	J. Angelin Jeba	RS				
18.						
19.						
20.						

Feedback form

UNIVERSITY WITH POTENTIAL FOR EXCELLENCE IN BIOMEDICAL
ENGINEERING AND INSTRUMENTATION (UPE-BMI),

ANNA UNIVERSITY, CHENNAI – 600 025

Two Days Workshop on "National Instruments for Embedded Systems"

(7th & 8th January 2020)

Feedback Form

	Strongly Agree	Agree	Disagree
1. Workshop objectives were stated clearly and met	✓		
2. The workshop was well organized	✓		
3. The information presented were relevant and useful	✓		
4. The information presented was new to me	✓		
5. This workshop increased my knowledge and skills in LABVIEW and VBAI	✓		

6. Comments and suggestions

Workshop was organised well, would have been helpfull if it was conducted for more than a week. Since there are lot to learn. Image Processing using LabVIEW was helpfull, would like to learn more on tools for Machine Learning with the help of LABVIEW.

Thank You

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