

Dear all,

It is our pleasure to inform you that **Maulana Abul Kalam Azad University of Technology, West Bengal (formerly known as West Bengal University of Technology)** and **Trident Techlabs Pvt. Ltd**, a technology driven company and solution provider in the field of EDA, Embedded, Automation, Robotics, Bio-Medical, Instrumentation etc are jointly organizing a five days interactive hands-on workshop on “**LabVIEW based System Design for Multidisciplinary Engineering Application**” from **2nd Nov, 2015 to 6th Nov, 2015, at 10:30 a.m. to 5:30 p.m.** every day at the **University Auditorium and labs** (BF - 142, Salt Lake City Sector - 1, Kolkata-64, West Bengal. Nearest Landmark: Baishakhi, Swimming Pool).

The workshop will reduce the gap between existing academic curriculum and the advancements in industry.

The Program is scheduled as below:

Day 0 ----- Monday, 2nd Nov, 2015

Timing: 11:00 a.m. - 5:00 p.m.

Registration for students & delegates and system installation

Day 1 ----- Tuesday, 3rd Nov, 2015 (NI & LabVIEW Overview)

Inaugural Program

Academic Guest: Prof.Dr. Joyanta Kumar Roy, Ph.D (Tech), SrMIEEE (USA), MIET (UK), FIETE, FIWWA

Technical Session: Basics of LabVIEW (Graphical User Environment)

Day 2 ----- Wednesday, 4th Nov, 2015 (NI Electronic Circuits, RF & Communication Overview)

Academic Guest: Prof. Anirban Bhattacharyya, B. Sc., M. Sc., M.Tech. (IIT Kanpur), Ph. D. (Boston University).

Technical Session: Explore the basics of Data Acquisition System and NI ELVIS

Day 3 ----- Thursday, 5th Nov, 2015 (NI Micro-electronics & Semi-Conductor Overview)

Guest: NI Personnel

Technical Session: Basics of integrating devices to NI LabVIEW & Remote Front Panels

Day 4 ----- Friday, 6th Nov, 2015 (NI Bio-Instrumentation Overview)

Academic Guest: Prof. Soma Barman (Mandal) B. Tech, M.Tech, Ph. D. (Jadavpur University).

Technical Session: Explore the basics of Bio Medical Instrumentation.

The detailed program schedules have been attached herewith.

All Under Graduate and Post Graduate Students, young faculty members, research scholars of In-house and affiliated Engineering Institutes can participate in the Seminar. Interested candidates are requested to report to MAKAUT, WB (earlier known as WBUT) Campus.

We look forward to see you in the seminar.

With Regards and thanks,

Dr. Madhumita Das Sarkar & Dr. Suparna Biswas

Finishing School and Industry-Institute-Interaction Cell, TEQIP

The schedule is as follows:

Tuesday, 3rd Nov,2015 (NI & LabVIEW Overview)		
Time	Title	Scope of Session
10:30-11:00	Know Us	*Opening Ceremony * About us - Techlabs , the journey.
11:00-11:15	Tea Break	
11:15-13:30	GUEST LECTURE	Prof.Dr. Joyanta Kumar Roy (to be finalised)
13:30-14:30	Lunch Break	
14:30-15:45	Experience LabVIEW	*Let us get accustomed to the LabVIEW environment.
15:45-16:00	Tea Break	
16:00-17:30	LabVIEW – Basics of LabVIEW	* Core benefits of LabVIEW like – Implicit GUI, Dataflow, debugging features, parallelism, hardware interfaces, logging & report generation capabilities, Express VIs etc. * LabVIEW vs. other programming environments.
END OF DAY 1		
Wednesday, 4th Nov,2015 (NI Electronic Circuits, RF & Communication Overview)		
Time	Title	Scope of Session
10:30-11:00	Dominating Electronics Department Leveraging our National popularity – Upgrading circuits labs – Experiential Teaching approach	*Multisim Overview * Closed Loop Learning Program using NI Multisim and ELVIS.
11:00-11:15	Tea Break	
11:15-13:30	GUEST LECTURE	Prof. Anirban Bhattacharyya (to be finalised)
13:30-14:30	Lunch Break	
14:30-15:45	Data Acquisition Concepts	* A brief overview on NI Data acquisition devices. *Add on boards for NI ELVIS *Simulation & Co-simulation with NI LabVIEW *Basic introduction to RF Communications and Software Defined Radio
15:45-16:00	Tea Break	
16:00-17:30	Explore ELVIS	* Using the Instrument Launcher Gallery * Understanding the data acquisition concepts * Build analog and digital circuits * Build Communication examples using LabVIEW
END OF DAY 2		

Thursday, 5th Nov, 2015 (NI Micro-electronics & Semi-Conductor Overview)		
Time	Title	Scope of Session
10:30-11:00	Know National Instruments	* About National Instruments & Techlabs, the journey.
11:00-11:15	Tea Break	
11:15-13:30	NATIONAL INSTRUMENTS PERSONNEL	
13:30-14:30	Lunch Break	
14:30-15:45	NATIONAL INSTRUMENTS PERSONNEL	
15:45-16:00	Tea Break	
16:00-17:30	Experience Advanced LabVIEW	* The WBUT Characterization Lab *Integrating the Instruments *Intranet publishing, remote front panels
END OF DAY 3		
Friday, 6th Nov, 2015 (NI Bio-Instrumentation Overview)		
Time	Title	Scope of Session
10:30-11:00	Bio-Medical Instrumentation Exploring a new horizon	* Brief introduction to bio-medical Instrumentation.
11:00-11:15	Tea Break	
11:15-13:30	GUEST LECTURE	Prof. Soma Barman (Mandal) (to be finalised)
13:30-14:30	Lunch Break	
14:30-15:45	Experience Bio-Medical Instrumentation using NI LabVIEW	*Bio-medical Simulation using NI LabVIEW *Understanding the aspects of bio-medics *Exploring the sensors and ease of connectivity
15:45-16:00	Tea Break	
16:00-17:30	IDEAS & RESOLUTIONS	* Letz INNOVATE * Certificate Distribution * Vote of Thanks * Ending Ceremony (May our relationship stay longer grow stronger with passage of time)
END OF DAY 4		

* For Registration please mail your details to : dassarkar.madhumita@gmail.com

* All attendees will be furnished with certificates for future endeavours.