



**JEPPIAAR ENGINEERING COLLEGE**  
(A Christian minority institution)  
Jeppiaar Nagar, Rajiv Gandhi Salai,  
Chennai 600119



**Two Days National Level Workshop on “HANDS-ON TRAINING ON  
FUNDAMENTALS OF LabVIEW & ITS APPLICATIONS”  
on 16<sup>TH</sup> & 17<sup>TH</sup> JULY 2015**

The Department of Electronics and Instrumentation in association with ISA Student Chapter conducted a two days National level Technical workshop on "**Hands-on Training on Fundamentals of LabVIEW & its Applications**" at Jeppiaar Engineering College on **16<sup>th</sup> & 17<sup>th</sup> of July, 2015**. The workshop was attended by **116 participants**. The workshop was inaugurated in the presence of our principal **Dr. Sushil Lal Das** and our Head of Department **Dr. G. Sathiyabama** and the **Chief Guest Dr. J. Prakash**. The participants were from ISA, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year of Jeppiaar Engineering College and other college Students.





**FELICITATING CHIEF GUEST & PRINCIPAL**



**FELICITATING Mr. SELVA KUMAR & Mr. K.V. KRISHNA SASTRY**

The **Chief Guest** of ISA Student Chapter **Dr. J. Prakash**, Professor & Head of E&I, MIT , Chennai and **Principal** of Jeppiaar Engineering College, Chennai, **Dr. Sushil Lal Das** acquainted the audience about the future scope of Instrumentation fie



**CHIEF GUEST & PRINCIPAL ADDRESSING THE AUDIENCE**

**DAY 1:** The **Session 1** was embellished by **Dr. J. Prakash**, Professor & Head of Department of Electronics and Instrumentation on **“Trends in Instrumentation & Process Automation”**. The areas covered were Opportunities of Instrumentation, Scopes of Instruments and Automation in various fields. The session was also detailed with the Role of Automation System, Centralized Monitoring System, Decentralized Control System, PID Controller and Fields working under Soft Sensing, Model Based, Physiological Field Development, Network Control System and Fault & Identification of instruments.



SESSION 1: Dr. J. PRAKASH Ptof & Head, MIT, Chennai



SESSION 2 : Mr. SELVA KUMAR, Director, LabTech

The **Session 2** was apprised on the topic **“Introduction to LabVIEW & Demo on Real time interfacing”**, by **Mr. Selva Kumar**, Director, Labtech Electronics. The concept and working of Introduction of Virtual Instrument LabVIEW and Patient Monitoring were explained and was also demonstrated.

The **Session 3** was dedicated to **“Hands-on training on basic pallets of LabVIEW”** by **Mrs. V. Jeyalakshmi Devi**, Asst. Professor of Jeppiaar Engineering College. The uses of LabVIEW & basic programs such as Boolean function, Half & Full Adder, String Length & Concatenation, Level, Numeric and Array Rotation were taught and given to the participants to use the software to perform the basic operations. The session was concluded with the feedback, where the participants gave their valuable suggestion and encouraging feedbacks.

**DAY 2:** The **Session 4** was dealt on the topic “**Applications of LabVIEW-Data Acquisition Trends and LabVIEW**”, by **Mr. K. V. Krishna Sastry**, President of Kuruganti Training Solutions. The session was elaborated with introduction, basics, simple & complex applications and current trends of Data Acquisition. The session also detailed with the purpose & uses of LabVIEW in real time World. Practically demonstrated videos were presented on how the real time Plants, Industries and Factories are automatically working under PLC, SCADA & Data Acquisition System. The session ended after clearing the queries of students.



SESSION 3&5 : Mrs. V. JEYALAKSHMI DEVI( Asst Prof) ,



SESSION 4: Mr. K. V. KRISHNA SASTRY, President , Kuruganthi

The **Session 5** was dedicated to “**Hands-on training on the advanced pallets of LabVIEW**” by **Mrs. V. Jeyalakshmi Devi**, Asst. Professor of Jeppiaar Engineering College. Advance programs such as 7 segment LED display, Ring Counter, 3D Array, Formula Node, Loop Structures and Clusters were taught and demonstrated and were given to the participants to perform the advance operations. The session was concluded after solving the queries of students with the feedback, where the participants shared their heartfelt suggestion and encouraging feedbacks.

Thus the workshop was an enlightening and encouraging one and the certificates for the Participants were distributed in the valedictory function by our Principal **Dr. Sushil Lal Das**.



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