



**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15**

(A Govt. Aided Autonomous Institution affiliated to Anna University)

- *where Quality and Ethics matter*



## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **Training Programme on LabVIEW**

#### **COURSE CONTENT:**

LabVIEW Programming Environment: Components of LabVIEW, Data flow, Trouble shooting and debugging VI

Implementing a VI: Data Types, documenting code, while, for loops, Timing a VI, iterative data transfer, plotting data, structures, relating data: arrays, clusters and type definition

Common Design Techniques and patterns: Sequential programming, state machines, architectures, events, timing a design pattern and event

Programming, Data Management Techniques: Communicating among multiple loops: Variables, functional global variable, race condition, synchronizing data transfer, File I/O techniques: Low, high and advanced, Controlling the user interface, Creating and Distributing applications, CLAD Sample Exam.