



VAAGDEVI COLLEGE OF ENGINEERING
UGC AUTONOMOUS
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A report on LABVIEW Powered Automation

Electrical & Electronics Engineering Department has organized a two Day Workshop on “**LABVIEW Powered Automation**” dated 18-09-2017 to 19-09-2017 by **Mr. P. Sadanandam and Dr. A. Sateesh Kumar** for faculty, the third and final year B.Tech Students. **Mr. Sampath Singh** has lecture series and demonstration LabVIEW powered Automation.

The programme is started with welcome note by the Principal Dr. K. Prakash followed by the lecture session.

During this workshop the following points were discussed:

- Electronic circuit design.
- Understanding automation using microcontroller, PLC, SCADA
- LabVIEW visual programming & its development environment.
- Hands on experience in developing LabVIEW programs for acquiring and analyzing real world signals
- Building real world embedded & automation applications using arduinos analog & digital I/O pins

The **objectives** of the programme are:

- LabVIEW offers a graphical programming approach that helps you visualize every aspect of your application, including hardware configuration, measurement data, and debugging.
- This visualization makes it simple to integrate measurement hardware from any vendor, represent complex logic on the diagram, develop data analysis algorithms, and design custom engineering user interfaces.

Outcomes of the programme :

- Gained knowledge on Measure Physical Systems with Sensors or Actuators
- Validate or Verify Electronic Designs
- Develop Production Test Systems

Number faculty members attended for this programme is 20 and number of students attended is 85.



[Signature]
Head of the Department
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