

Virtual Instrumentation Lab

To promote research activities in the minds of students and faculty members and to expose them to the advanced technologies, Virtual Instrumentation Lab was established in the year 2013. This Lab imparts software learning and real time interfacing knowledge to enable them to develop projects.

It includes recent version of LabVIEW 2013 core software, cDAQ, NI- ELVIS and recent software packages. Students utilize this lab for doing projects which yield good results in their campus interview.

- Lab in-charge: Mr.R.Vinoth kumar, AP/EIE

Total cost of the laboratory Rs. 11.2 lakhs

List of major equipments:

- Personal computer Equipped with labVIEW
- NI Academic site License(60 user License)
- cDAQ-9174 compact DAQ chassis(4 slot USB)
- NI 9219 4 Ch-CH Isolated, 24-bit, $\pm 60V$, 100S/s Universal AI Module
- NI 9421 8-Channel 24 V, 100 us, Sinking Digital Input Module
- NI 9472 8-Channel 24 V, 100 us, Sourcing Digital Output Module
- NI ELVIS II+ Hardware
- J-Type thermocouples wire (fiberglass) (32 deg F to 900 deg F) 1 m



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