

RNS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INSTRUMENTATION TECHNOLOGY

Lab facilities & Infrastructure

Infrastructure

The department is full-fledged with top end labs catering to the full requirements of VTU and beyond. We expose the students to the latest trends in industry. Some of them are

- ✦ DSP lab with Texas Instruments floating point DSPs -6711,
- ✦ Microcontroller lab with PIC μ cs, 8051 μ cs & MSP430 μ cs,
- ✦ VHDL lab with Spartan 3E FPGAS & Xilinx software.
- ✦ The Process Control lab has PC based control loops of temperature, flow, pressure level and level, GE-fanuc based PLCs with calibration and control experiments being carried out in these labs.
- ✦ Softwares such as LabVIEW, MATLAB, Keil, Xilinx 9.1, ModelSim, CCS, PSpice, MultiSim, Orcad, C, C++, Embedded C, Assembly Language Programming in 8086, 8051, etc are taught in the labs.
- ✦ The basic IT lab and DCCS (Data acquisition and control system lab) have experiments where different sensors are characterized along with the necessary signal conditioning.
- ✦ At the lower semesters we have the Logic Design and Analog Electronics labs. We also have dedicated M Tech Labs.
- ✦ The Department Library is well equipped with more than 400 text books, project reports, seminar reports, journals, papers published, magazines (college & department), CDs, old question papers of tests and main VTU question papers.
- ✦ A seminar hall with 40 seats and five well furnished Class Rooms with LCD projectors.
- ✦ The Department Library is well equipped with more than 400 text books, project reports, seminar reports, journals, papers published, magazines (college & department), CDs, old question papers of tests and main VTU question papers.
- ✦ A seminar hall with 40 seats and five well furnished Class Rooms with LCD projectors.
- ✦ The staff at IT department are highly experienced with PG degrees, and dedicated to provide a conducive environment to students for their all round development in both academic and co-curricular activities.
- ✦ Six of the faculties are pursuing PhD and have published more than 60 papers in the last three years.
- ✦ One of our staff Shreedevi Kulkarni (also a research student at IT Dept) is working on a INUP Sponsored project titled "Developing a Nanosensor based Micro cantilever " at IIT Bombay