

Laboratory Infrastructure Facilities:

- Name of the Lab:
 - Circuit and Networks Lab
- Faculty In-charge
 - Mrs. Jupitara Hazarika
- Details of facilities and Equipment's available
 - Digital Storage Oscilloscope.
 - Orion 5KVA/168 volt ups 5 KVA on line ups system with 60 minutes battery backup time.
 - Digital Trainer Kit.
 - Function Generator HAMEG.
 - Digital IC Tester.
 - Analog Digital Trainer Kit.
 - DC Power Supply.
 - Linear IC Tester.

- Name of the Lab:
 - Analog and Digital Electronics Lab
- Faculty In-charge
 - Dr. Rajdeep Dasgupta
- Details of facilities and Equipment's available
 - Digital Storage Oscilloscope.
 - Analog CRO.
 - Digital multi meter.
 - Function Generator.
 - Digital IC Tester.
 - Analog Digital Trainer Kit.
 - DC Power Supply.
 - Linear IC Tester.
 - Dual channel arbitrary/ function generator

- Name of the Lab:
 - Control System Lab
- Faculty In-charge
 - Mr. Lalu Seban
- Details of facilities and Equipment's available
 - MATLAB 2013b (with all Tool Box).
 - Simulink.

- Name of the Lab:
 - Transducers and Sensors Lab.
- Faculty In-charge
 - Dr. S H Laskar & Dr. Rajdeep Dasgupta.
- Details of facilities and Equipment's available
 - Strain Measurement Panel.
 - Temperature Sensor Panel.
 - Displacement Sensor Panel.
 - Piezoelectric/Impact Measurement.
 - Load Cell/ Weighing Module.
 - LVDT Sensor Module.
 - DC Power Supply.
 - Digital multi meter.
 - Sensor Module (Analog Inductive Proximity Sensor, Digital Inductive Proximity Sensor, Capacitive Proximity Sensor, Photo-electric sensor, Ultrasonic Proximity Sensor etc.).

- Name of the Lab:
 - Industrial Process Engineering Lab.
- Faculty In-charge
 - Dr. Munmun Khanra & Mr. Lalu Seban.
- Details of facilities and Equipment's available
 - MATLAB & SIMULINK.
 - Keyence PLC Simulation Software.
 - Multiprocess control System (VMPA-64).
 - Temperature Process controller (VTPA-H-353).
 - Air Compressor.
 - PCT 50 Level Control.
 - PCT 51 Flow Control.
 - PCT 52 Temperature Control.
 - PCT 53 Pressure Control.
 - PCT 55 Programmable Logic Controller.
 - PLC Programming Trainer Kit (Allen-Bradly).
 - Verification of P, PI, and PID control action Kit (SCADA unit).

- Name of the Lab:
 - Power Electronics Lab
- Faculty In-charge
 - Mr. Tushar Bachhar.
- Details of facilities and Equipment's available
 - High Voltage Power Electronics Trainer Kit.
 - Single Phase Cycloconverter
 - Speed control of universal motor using SCR.
 - DC voltage power supply.
 - Digital multi meter.

- Name of the Lab:
 - Microprocessor and Microcontroller Lab.
- Faculty In-charge
 - Mr. Kalimuddin Mondal.
- Details of facilities and Equipment's available
 - 8085 Simulation software.
 - 8086 Trainer kit.
 - 8051 Trainer kit.
 - DC voltage power supply.

- Name of the Lab:
 - Digital Signal Processing Lab.
- Faculty In-charge
 - Dr. Abhishek Midya. & Mrs. Jupitara Hazarika.
- Details of facilities and Equipment's available
 - Digital video evaluation module with MATLAB/SIMULINK compatibility.
 - DSP starter kit (DSK) with code composer studio.
 - DSK communication daughter card.
 - The DSP development kit (LCDK).
 - Medical development kit.
 - DSP based EVM board.
 - Analog system lab kit ASLKV 2010 starter kit.
 - Digital video development platform (DVDP)-(DM6437).
 - DA Vinci EVM bundle DSP+ ARM MATLAB / SIMULINK (DM6446 EVM).
 - Finger print development kit bundle (C5515FDK).
 - Code composer studio V5.0 (10 user).

- Name of the Lab:
 - Instrumentation Lab.

- Faculty In-charge
 - Dr. S H Laskar.

- Details of facilities and Equipment's available
 - Compact RIO Standard 8-Slot Chassis System Services.
 - Lab VIEW Robotics sb RIO Kit 2.0 - Industry.
 - NI 1776C Smart Camera.
 - Quanser QNET Mechatronics Sensors 1 Board for NI ELVIS.
 - NI PXIe-1071, 4-Slot 3U PXI Express Chassis.
 - High Sensitivity Shear Accelerometer.
 - Free scale NI ELVIS Microcontroller Prototype Board.
 - NI ELVIS II+ Circuit Design Bundle.
 - Lens (8.5MM, 12MM, 16MM, 25MM, 35MM) Compact Fixed Focal Length, Edmund Optics.
 - J, K, T, E-Type Mini thermocouple Plug.
 - J, K, T, E -Type Thermocouples Grounded.
 - J, K, T, E -Type Thermocouples Un-Grounded.
 - NI My-RIO kit

- Name of the Lab:
 - Instrumentation and Automation Lab.
- Faculty In-charge
 - Mr. Sudarsan Sahoo.
- Details of facilities and Equipment's available
 - Dynamic Simulation Software System. (ProSim CS 3000)
 - Basic Process Models.
 - Modular Automation Production System 6.

- Name of the Lab:
 - Design and Fabrication Lab.
- Faculty In-charge
 - Dr. Arun Kumar Sunaniya.
- Details of facilities and Equipment's available
 - LPFK PCB Printing & Fabrication Machine.
 - Tanner EDA tool.