



AIC IIT DELHI

SONIPAT INNOVATION
FOUNDATION

*List of Equipment's procured for
Incubation Centre*

LIST OF EQUIPMENT'S

- SPI Engineers Pvt. Ltd.
 - *Digital Oscilloscope*
 - *Spectrum Analyzer*
 - *230V, 50A Resistive Load Banks*
 - *Lab Bench Power Supply*
 - *200A AC/DC Clamp Meter – 4*
 - *Tachometer -2*
 - *Digital Multimeter – 5*
 - *Logic Probe Pulsars – 5 (Pending)*

SPI ENGINEERS PVT. LTD.



Name - Digital Oscilloscope

Make - Gwinstek

Qty. - 1

Model No. - MSO-2204E

Description - An oscilloscope is a laboratory instrument commonly used to display and analyze the waveform of electronic signals. In effect, the device draws a graph of the instantaneous signal voltage as a function of time.



Name - Spectrum Analyzers

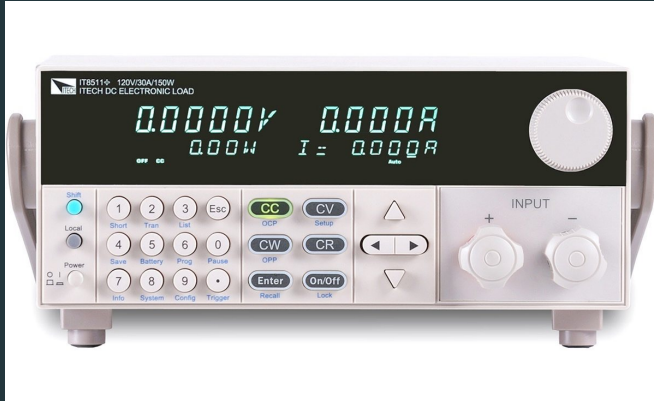
Make - Gwinstek

Qty. - 1

Model No. - GSP818+Opt.01

Description - A spectrum analyzer measures the magnitude of an input signal versus frequency within the full frequency range of the instrument. The primary use is to measure the power of the spectrum of known and unknown signals.

SPI ENGINEERS PVT. LTD.



Name – 230V, 50A Resistive Load Bank

Make – Itech

Qty. – 1

Model No. – IT8512C+

Description - A resistive load bank, the most common type, provides equivalent loading for both generators and prime movers. That is, for each kilowatt (or horsepower) of load applied to the generator by the load bank, an equal amount of load is applied to the prime mover by the generator.



Name – Lab Bench Power Supply

Make – GwInstek

Qty. – 1

Model No. – GPE-3323

Description - Bench power supplies are boxes that you plug into the wall, and provide an adjustable range of DC voltage on their output terminals. They usually have some knobs and a meter of some sort on them to help dial in the correct voltage. Some also have current limiting to help when troubleshooting or testing a new project.

SPI ENGINEERS PVT. LTD.



Name - 200A DC/AC Clamp Meter

Make - Fluke

Qty. - 4

Model No. - Fluke 362

Description - A clamp meter is an electrical test tool that combines a basic digital multimeter with a current sensor. ... Beneath their plastic moldings, hard jaws consist of ferrite iron and are engineered to detect, concentrate and measure the magnetic field being generated by current as it flows through a conductor.



Name - Tachometer

Make - Amprobe

Qty. - 2

Model No. - Tech-10

Description - A tachometer (revolution-counter, tach, rev-counter, RPM gauge) is an instrument measuring the rotation speed of a shaft or disk, as in a motor or other machine. The device usually displays the revolutions per minute (RPM) on a calibrated analogue dial, but digital displays are increasingly common.

SPI ENGINEERS PVT. LTD.



Name - Digital Multimeter

Make - Fluke

Qty. - 5

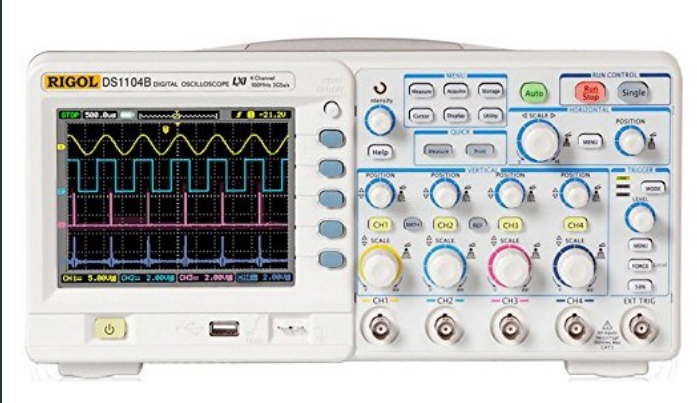
Model No. - Fluke 101

Description - A digital multimeter is a test tool used to measure two or more electrical values—principally voltage (volts), current (amps) and resistance (ohms). ... Digital multimeters combine the testing capabilities of single-task meters—the voltmeter (for measuring volts), ammeter (amps) and ohmmeter (ohms).

LIST OF EQUIPMENT'S

- Salicon Nano Technology Pvt. Ltd.
 - *Digital Storage Oscilloscope*
 - *Arbitrary Function Generator - 2*
 - *Analog and Digital Trainer - 3*
 - *Logic Analyzer*
 - *Universal IC Programmer*
 - *Vector Network Analyzer*

SALICON NANO TECHNOLOGY PVT. LTD.



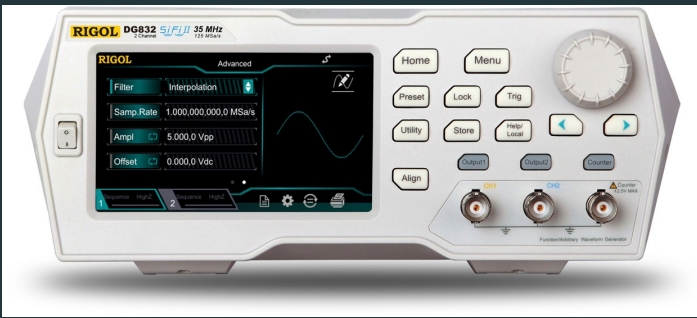
Name – Digital Storage Oscilloscope

Make – Rigol

Qty. – 1

Model No. – DS1104Z Plus

Description – The digital storage oscilloscope is defined as the oscilloscope which stores and analysis the signal digitally, i.e. in the form of 1 or 0 preferably storing them as analogue signals. The digital oscilloscope takes an input signal, store them and then display it on the screen.



Name – Programmable Function Generator

Make – Rigol

Qty. – 2

Model No. – DG821, DG811

Description – A flexible function generator with high-resolution programmability of frequency, amplitude, and DC offset has been developed for structural dynamics testing. The generator consists of a clock generator which defines the signal frequency and memory tables which define the signal functions.

SALICON NANO TECHNOLOGY PVT. LTD.



Name – Analog and Digital Trainer

Make – Salicon

Qty. – 3

Model No. – ST9914

Description - Digital Logic Trainer is intended to study of BASIC Logic Gates, verification and it's implementation techniques by experimentation. Using this trainer the students experiment, to verify the Boolean expressions for a given logic circuit.



Name – Vector Network Analyzer

Make – Rigol

Qty. – 1

Model No. – RSA3030N

Description - A Vector Network Analyzer contains both a source, used to generate a known stimulus signal, and a set of receivers, used to determine changes to this stimulus caused by the device-under-test or DUT. ... The Vector Network Analyzer receivers measure the resulting signals and compare them to the known stimulus signal.

SALICON NANO TECHNOLOGY PVT. LTD.



Name - Logic Analyzer

Make - Leap Electronics

Qty. - 1

Model No. - PLA2532

Description - A logic analyzer is an electronic instrument that captures and displays multiple signals from a digital system or digital circuit. A logic analyzer may convert the captured data into timing diagrams, protocol decodes, state machine traces, assembly language, or may correlate assembly with source-level software.



Name - Universal IC Programmer

Make - RSA

Qty. - 1

Model No. - RSA3030N

Description - IC programming is the process of transferring a computer program into an integrated computer circuit. ... Modern ICs are typically programmed in circuit through a serial protocol (sometimes JTAG sometimes something manufacturer specific).

LIST OF EQUIPMENT'S

- Bergen Electronics Limited

- *I-Con Vario Multichannel Soldering and De-soldering Station*



Name – I-Con Vario Soldering and De-Soldering Station

Make – I-Con Vario

Qty. – 1

Model No. – 01CV4000AICXV

Description - The station has a built-in vacuum pump and incorporates electronic circuitry which enables the user to set the soldering tip temperature between 150°C (302°F) and 480°C (896°F) and de-soldering tip temperature between 300°C (572°F) and 450°C (842°F) without changing tips or heating elements.

LIST OF EQUIPMENT'S

- Laser Lab (India) Pvt. Ltd.
 - *Laser Engraving/ Cutting System*
- Tech Labs India
 - *CNC Milling/ PCB Milling Machine*
 - *3D Printer – Ultimaker*
 - *3D Printer – Roland DWP – 80S (Pending)*

LASER LAB (INDIA) PVT. LTD.



Name – Laser Engraving/Cutting System

Make – Epilog

Qty. – 1

Model No. – Epilog Fusion Pro 32-60 Watt

Description - Laser Cutting is a technology that uses a laser to cut or engrave Non-metal and some anodized metal materials , and is typically used for industrial manufacturing application, but is also starting to be used by schools, small businesses, and hobbyists.

TECH LABS INDIA



Name – CNC/PCB Milling Machine

Make – Roland

Qty. – 1

Model No. – Roland Monofab SRM-20

Description - PCB milling is also known as isolation milling, which refers to the process of removing areas of copper from a sheet of PCB material to recreate the signal traces, pads, as well as structures based on patterns from a digital circuit board plan called a file of PCB layout.



Name – 3D Printer

Make – Ultimaker

Qty. – 1

Model No. – Ultimaker S-5 Dual Head

Description - A 3D printer is a computer-aided manufacturing (CAM) device that creates three-dimensional objects. Like a traditional printer, a 3D printer receives digital data from a computer as input. However, instead of printing the output on paper, a 3D printer builds a three-dimensional model out of a custom material.

*Thank
you*

