



Good
Life with
Scientech



Scientech Technologies Pvt. Ltd. is an ISO 9001:2008 certified company in India that has a strong presence in educational, health care, environmental and industrial sectors. With more than 600 diverse products in the above fields, it is making the lives of people better and this planet happier.

The strength of Scientech is its efficient team. Spread across 10 different offices across the country, it works tirelessly to evolve effective and innovative solutions. Scientech has a full-fledged R&D team that ensures its products are cutting-edge. A strong service support team guarantees complete satisfaction for the customers. All Scientech product are ROHS compliant .

Leading technological solution provider with a global footprint, Scientech Technologies has grown into a renowned company with a satisfied customer base in over 75 countries. We have become a pioneer serving in the field of Test & Measuring Instruments, Technology Training Equipments, Simulation / Teaching Software and Online Education. We serve a variety of academic disciplines and offer a wide range of products, avant-garde educational and interactive classroom solutions (Interactive white board, Response systems etc). Students being our prime focus, our products are useful from high school to college / university levels. Our products help student to transform their ideas into reality. Scientech Solutions provide an ideal platform to enhance education, training, skills & development amongs our young minds.

Test & Measurement Instruments

DesignLab[®] Versatile Source - Measure Instrument



Scientech DesignLab is a very useful Real-time PC based Instrument for Circuit Designers. It includes a Digital Storage Oscilloscope, Mixed Signal Oscilloscope, Logic Analyzer, Synthesized Function Generator, Pattern / Word Generator, Programmable Clock and a Variable Power Supply. It allows you to convert your laptop / desktop into a powerful multi-instrument with DesignLab interactive software.

Scientech DesignLab 2[®] More than a Multi Instrument

A compounded approach to address 12 needs through one instrument.

Scientech DesignLab2 is an ideal Real-time Virtual Instrument. We call it as second generation DesignLab. It includes essential instruments, utilities and interactive event manager for design and testing. It is a portable and easy to carry solution at an affordable price.

12 in 1 Multi Instrument:

- 2 Channel Digital Oscilloscope
- 16 Channel Logic Analyzer
- Mixed Signal Oscilloscope (1 Analog + 8 Digital)
- Synthesized Function Generator
- Pattern / Word Generator
- Programmable Clock Generator
- Variable Power Supply
- Fixed Power Supply
- Frequency Counter
- Volt meter (DC)
- Current meter (DC)
- Spectrum Analyzer (FFT Analysis)



Benefits-

- Real time instruments ready to go in one touch
- Virtual Analog - Digital Component & Circuit Libraries for real world hardware interface to reduce development time & cost
- Accelerate project development to benefit students and many more...

Data Acquisition Solutions



Nvis Technologies, offers a wide range of **DAQ** that enable process monitoring. They are available with USB, Ethernet, VGA, PenDrive and SD Card interface. Nvis 63X series DAQ are useful for sensing and controlling Analog and Digital signals of any process control application. DAQ range comes with very versatile software which uses simple USB and Ethernet communication protocol so that the user can use or design their own software according to their needs. Screw terminals are provided for ease of connection. All pins are multifunction so the user can change the operation of particular pins as per the requirement.



Data Acquisition and Switch System

M300 Series data acquisition and switch system provides accurate, repeatable measurements with industry leading total system cost optimized for general purpose temperature, resistance, and voltage scanning with a breadth of modules to handle all of your DAQ system requirements.

Digital Readout Oscilloscopes

Scientech 800

PortableScope- 15 MHz Compact Oscilloscope is a lightweight Oscilloscope, specially designed to meet the requirements of service technicians and advance amateurs. The principal feature of Scientech 800, which makes it an indispensable instrument for servicing, is the built-in Component Tester.

Scientech 801C

EasyScope- 30 MHz Oscilloscope with Color LCD Digital Readout & Component Tester is a new trend Oscilloscope with digital touch. The Digital Readout Color LCD displays Volts/div. and Time/div. settings. Rugged yet light weight 801C has sharp and bright trace. The Vertical bandwidth is more than adequate for all your needs and you can easily view signals upto 40 MHz.



Scientech 820

MiniLab- 30 MHz Oscilloscope with Function Generator and Power Supply is an ideal Instrument for Electronics, Electrical & Instrumentation Laboratories. This miniLab has built-in Function Generator (Sine, Square, Triangle & DC Outputs with 0.1 Hz - 1 MHz in 7 decade steps and variable control between steps) and DC Power Supply (Fixed Output Voltage : 5 V/500 mA, ± 12 V/250 mA).



Scientech 829

PowerScope- Floating Measurements coupled with High Voltages are very common in industrial electronics and electrical testing. Single phase and three phase measurements also need completely isolated inputs. PowerScope Scientech 829 provides a very convenient way for such measurements.



Scientech 824A

30 MHz Oscilloscope/PowerScope with Ramp & Pedestal Firing Circuit Floating Measurements of High Voltages are very common in industrial electronics and electrical testing. Single phase and Three phase measurements on Oscilloscope need completely isolated inputs. Scientech 824A PowerScope is an ideal instrument for such applications. With X100 attenuation signals up to 1500Vpp can be measured.



Scientech 400 Series DSO

50/70/100MHz Digital Storage Oscilloscopes are the new mainstream Dual Channel Digital Storage Oscilloscopes to meet the educational and industry customer's applications with their innovative technology, unique specifications, powerful trigger functions, wide auto measurement functions, wide memory depth and broad analysis capabilities.

Scientech 851

30MHz Mixed Signal Oscilloscope has LCD readout and Micro-controller switching. Scientech 851 measures digital signals with 16 channel Logic Analyzer. It's 2 Channel - 4Trace operation allows viewing of normal (X1) and expanded (X10) waveforms simultaneously.



Scientech 827

Electronic WorkStation- We believe that very few testing requirements are identical. We have created a WorkStation that is flexible to accommodate any testing setup from general to industry specific requirements. The WorkStation has ergonomically designed instrument panel in vertical position and with sufficient space for working. Customized WorkStations are also available.



High Performance Function Generators



Scientech 4211

1MHz-10MHz Function / Arbitrary Waveform Generator with 50 MHz Frequency Counter & Time Mark Generator is based on Direct Digital Synthesis (DDS) technique to generate stable, accurate output waveforms. It generates sine wave upto 10MHz, square wave, pulse with fast rise/ fall time up to 4MHz, and other waveforms up to 2MHz. Big TFT color display is provided for information about parameters & settings.

Scientech 400 Series 10/25/50MHz

Digital Function/Arbitrary Waveform Generators are a new family with user friendly design, 3.5 inch TFT-LCD display, Online help function, USB, internal storage, file management, special connection terminal for grounding, etc.

Scientech 4301

3MHz Handheld Synthesized Function Generator creates a stable, accurate and low distortion Sine wave up to 3 MHz. It also generates square wave and pulse with fast rise and fall time up to 3MHz and linear ramp & triangle.

Scientech 4065

10MHz Function-Pulse-Data Generator with Frequency Counter is equipped with a Internal Modulation Generator. Scientech 4065 can provide different types of modulated signals like - AM standard - AM balance - FM - ASK - FSK - PWM and also a Serial Data Output.

Scientech S Series

Scientech S Series Synthesized Function Generators are based on Direct Digital Synthesis technique to create stable and accurate output waveforms. They also offer square wave and pulse with fast rise/fall time and linear ramp. Front-panel operation is very user friendly.

Scientech 4064

10MHz Modulation Function-Pulse Generator with Frequency Counter is a high performance function generator which provides different types of Modulated signals like - AM standard - AM balance - FM - ASK - FSK - PWM and Serial Data Output.

Scientech 4064i

1mHz - 10 MHz Synthesized Function - Pulse-Modulation Generator with 40MHz Frequency Counter It comes with an Ethernet interface.

Scientech 4061 & 62

3/10 MHz AM / FM Function-Pulse Generators with 40MHz Frequency Counter - Scientech 4061 & 62 with 20 x 4 character LCD, fullfil today's demand of electronics laboratories in universities, colleges and training centres. They have all ! whether you need Pulse and Ramp in addition to Sine, Square, Triangle over the frequency range of 3/10 MHz, or you need internal and external AM-FM or internal sweep, or PWM.

Scientech 4066

10MHz Pulse Generator offers fast rise and fall time pulse signals at high repetition rate up to 10MHz to meet today's Test & Measurement needs. It has External and Manual Triggering mode.

Scientech 4036

Low Distortion Audio Generator is designed to meet the needs of today's audio test and measurement technology. Covering the frequency range from 10 Hz to 100 KHz, Scientech 4036 produces a very low distortion sine wave for testing audio preamplifier.

Scientech 1500

150MHz RF Signal Generator delivers a highly flexible and powerful solution for consumer electronics, communication, production, service station, and many other fields. With its wide frequency range, built in audio frequency generator and facility to Amplitude Modulation internally as well as externally, makes it an essential tool in every laboratory.

RF Signal Generators

- AM/FM/ØM analog modulations (Standard) and I/Q modulation and I/Q baseband output (Optional)
- Frequencies 3 GHz or 6 GHz.
- Phase noise measuring <- 110dBc/Hz@20kHz (Typical)
- Output range of -130dBm to +13dBm
- Pulse modulation with an on/off ratio of up to 80dB

Spectrum Analyzers



Scientech offers a series of powerful economic Spectrum Analyzers with premium performance for bench and field applications. Use of Digital IF Technology Guarantees the Reliability and Performance required to meet the most demanding RF applications. With their unmatched features they are widely used in electronic Manufacture, Maintenance, RF, Education and R&D.

- 9 kHz - 500MHz / 1 GHz / 1.5GHz / 3.2 GHz / 7.5 GHz Frequency Range
- With and Without Built in Tracking Generator
- Minimum Resolution Bandwidth (RBW) 10Hz
- Display 8 Inch WVGA
- Displayed Average Noise Level (DANL) -135dBm
- PC connectivity LAN, USB host, USB device

High Performance Power Supplies



Scientech 4071

Triple Power Supply (DC Outputs 2 X 0 - 30 V / 500 mA & 5V / 1 A) is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing.

Scientech 4072

Dual DC Power Supply (DC Outputs 0 - 30 V / 1 A & 5V / 1 A)

Scientech 4073

0 - 30V / 2A DC Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing.

Scientech 4073P

0 - 32V / 2A Programmable DC Power Supply is a versatile instrument with facility to interfaced with PC. The front panel with keypad and cursor, makes it user friendly. It can be set to use as a Constant Voltage and Constant Current source.



Scientech 4074

Multiple 4 Output DC Power Supply (DC outputs 0 - 30 V, 0 ± 15 V (dual tracking) and 5 V, 1 A each). It provides DC output voltages for Analog and Digital testing.

Scientech 4075

0 - 30V, 2A Dual Power Supply with Automatic Overload Protection is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing.

Scientech 4075i

32V / 2A Programmable Dual DC Power Supply is a versatile instrument with facility to interface with PC through Ethernet. The front panel with keypad and cursor, makes it user friendly. It can be set to use as a Constant Voltage and Constant Current source. With low ripple and excellent Line and Load regulation,

Scientech 4076

0 - 30V / 2A Dual Tracking & 5V / 2A Fixed Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in Laboratories, Industries and Field Testing.

Scientech 4077

0 - 30V / 2A, ±15V / 1A Tracking, 5V/2A Multiple DC Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source source for use in laboratories, industries and field testing.

Scientech 4077A

0 - 32V / 2A, ±15V / 1A Tracking, 5V/5A Multiple DC Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing. With compact size, light weight and required for low power loss, it provides DC output voltages for Analog and Digital testing. A 3-digit display for voltage & 3½-digit for current is provided to read the values.



Scientech 4078

0 - 30V - 3A DC Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing.

Scientech 4078P

0 - 32V / 3A Programmable DC Power Supply is a versatile instrument with facility to interface with PC. The front panel with keypad and cursor, makes it user friendly. It can be set to use as a Constant Voltage and Constant Current source.

Scientech 4079

0 - 30V / 3A Dual Power Supply with Automatic Overload Protection is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing.



Scientech 4180

0 - 30V / 5A DC Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing.

Scientech 4181

0 - 30 V / 10 A Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing.

Scientech 4182

300V/1 A DC Power Supply has been designed as a Constant Current (CC) and Constant Voltage (CV) source for laboratories, industries and field testing applications, featuring low power loss and compact. It provides floating, DC output voltages and is ideally suitable for complex analog and digital applications.

Digital Multimeters, LCR Meters, Distortion Meter, etc.



Scientech DM 97

3½ Handheld Digital Multimeter with 4000 Counts, Large LCD Display, Auto/Manual Range, Capacitance, Frequency / Duty Cycle, Temperature and Transistor Test

Scientech DM 23

4½ Handheld Digital Multimeter with 20,000 Counts, Resistance, Capacitance, Frequency and Transistor hFE Measurements

Scientech 4092

Audio Distortion Meter tenders a minimum residual Distortion and Noise of 0.5%. It is best suited for measurement & testing of high quality Audio Systems.

Nvis 9304T

Portable LCR meter with low power consumption. It can measure six basic parameters, they are Inductance L, Capacitance C, Resistance R, Impedance |Z|, Dissipation Factor D and Quality Factor Q.

Miscellaneous

Scientech 2551

Optical Power Meter is a Hand Held Power Meter for stable measurement of optical power in 660nm and 950nm wavelength.

Scientech 501

Audio Output Power meter is an instrument that has the ability to measure the output power of a circuit or system in the audio frequency range. It can be used to measure the output power of wailing units, power amplifiers and other audio circuits.

Nvis 621

Gauss and Tesla Meter is used to measure the magnetic field Intensity. It operates on the principle of Hall Effect. It is highly accurate and is an extremely stable instrument for the measurement of magnetic field.

Nvis 9305

LCR Meter is a benchtop component parameter test instrument based on micro-processor, which can be used for measuring inductance (L), capacitance (C), resistance (R), quality factor (Q) and dissipation factor (D). With a basic accuracy of 0.25% and five digit display resolution.

Nvis 105A

Microwave Power Meter Nvis 105A is an automatic self balancing power meter. It measures the RF power with the help of temperature compensated Thermistor Mount from 1mW to 10mW accurately.



Nvis 103A

SWR Meter is a Microcontroller based Instrument with LCD Display. The Analog metres have multiple scales which makes the instrument very complicated for the students.

Panel Meters

- Microcontroller based Accurate & Reliable design
- CT is used as current transducer for better accuracy
- 4-Digit High brightness Seven Segment Display



Nvis 7071

Single Phase Multi Function Meter

Nvis 7077

AC Voltmeter

Nvis 7072

Single Phase Watt Meter

Nvis 7078

AC Ammeter

Nvis 7073

Single Phase Power Meter

Nvis 7077D

DC Voltmeter

Nvis 7074

Single Phase Meter

Nvis 7078D

DC Ammeter



Nvis 7070

3-Phase Parameter Measurement is a high accurate 3-phase electrical energy measurement device. It is designed to measure any 3-phase electrical system simultaneously without using individual meters.

Nvis 625

Digital Nanoammeter is used for low-current measurements. It is suitable for current measurement in the range of 0.1nA to 100µA and is capable of accepting either polarity of the input current.

PCB Design & Fabrication Solutions

EP-Series

EP2006 series PCB Prototype Machine will bring you the most simple, quick precise way to make your own PCB prototype. Just input your Gerber file, your PCB can be made within minutes to hours.

- High accuracy and easy operation.
- Automatic tool Length Detect Function.
- Surface detect and real time working depth compensation function.
- Working depth setup by software control.
- Motorized Z-axis with software control drill speed.
- 5 Phase stepping motor with precisely ball screw and liner guide.

Sciencetech 71

The PCB Design Lab Sciencetech 71 is a unique solution to design and develop prototype PCBs in your laboratory. This machine is compact and ideal for making prototype PCBs with Tina Circuit Design, Simulation and PCB Design software in lab. In Electronic design the prototype PCB is essential, this machine works without a PC, that means you can design your circuit in Tina, convert it into gerber file which can load directly into the machine to get the PCB ready. The machine performs all the operations such as drilling, milling, engraving and routing which helps designer to fabricate PCB at low cost and in short time.

Advance PCB Prototyping Machine

A626

- Working Area : Large (16x11x1.3 inch)
- Tool Change : Automatic (16 tools)
- Precise Linear Gauge on the z axis 1 micron resolution
- Max Travel speed (X,Y,Z) : Up to 150 mm/s
- Drilling Speed : Up to 180 drill cycles per minute
- Video Camera / Microscope included
- Spindle speed (rpm) 5000 to 60,000 programmable

A426

- Working Area : Standard (12x9x1.3 inch)
- Tool Change : Automatic (12 tools)
- Video Camera/Microscope included
- Drilling Speed : Up to 180 drill cycles per minute
- Max Travel speed (X,Y,Z) : Up to 150 mm/s
- Internal Resolution (X,Y,Z) : 0.1 μ m



Nvis 72

Design and fabricate your Printed Circuit Boards with high Accuracy, Speed, and Ease

PCB Prototype Machine provides several features which can make your life easier. With this new electro-mechanical utility, you can escape cumbersome task of traditional PCB designing which involves time taking etching and drilling processes. Get rid of dealing with chemicals which often spoil your hands and are harmful to you and environment. Provided with the USB connectivity, Nvis 72 can print your desired circuit on the PCB within minutes. Accompanied design software provides simple and elegant interface which is user-friendly, and can even be operated by novice Engineers and Students.



Tina Design suite Circuit Design and Simulation Software with PCB Design



- Analog, Digital, Symbolic, RF, VHDL, MCU and mixed mode circuit simulation and PCB Design
- Analyze circuit through more than 20 different analysis modes including DC Analysis, AC Analysis, Transient Analysis, Digital step by step analysis, Symbolic Analysis, Network Analysis, Noise Analysis, Tolerance Analysis, Optimization, etc.
- It includes multi-layer PCB's with split power plane layers, powerful auto placement and auto routing, rip up and reroute, manual and "follow me" trace placement, pin and gate swapping, 3D view of PCB design from any angle, Gerber file output and more auto placement and auto routing, rip up and reroute, manual and "follow me" trace placement, pin and gate swapping, 3D view of PCB design from any angle, Gerber file output and more
- More than 20,000 component library



Scientech TechBook Score heavily over the conventional text books. They help students in learning the theory of various subjects through animation and other innovative tools and more importantly **enable them to perform real-time experiments for holistic understanding of the topics**. TechBooks are indeed a great way to learn any technology concept through hands on experimentation. It is time to upgrade, it is time to adopt TechBooks for an in-depth and comprehensive learning.

VLSI

- Scientech 101 : VLSI Development Platform with Wireless Communication
- Scientech 102A :FPGA Development Platform (Spartan 3)
- Scientech 105 : CPLD Development Platform
- Scientech 108 : Wireless Sensor Network Training System
- Scientech 110 : Universal Development Platform



- Scientech 111 : Video Processing Platform
- Scientech 112 : Wireless Robotic Arm Training System
- Scientech 116 : Embedded Development Platform



Ready to use application boards for VLSI Lab.

- VB01 : Digital Input Output
- VB 02 : Peripheral Interface
- VB 03 : Analog To Digital
- VB 04 : Digital To Analog
- VB 05 : Static RAM
- VB 06 : Traffic Light Controller
- VB 07 : Real Time Clock
- VB 08 : LED Flasher
- VB 09 : Hex Keypad
- VB 10 : LCD Interface
- VB 11 : Rotary Encoder
- VB 12 : Alpha Numeric Display
- VB 13 : Relay Control
- VB 14 : Stepper Motor
- VB 15 : LED Matrix Display
- VB 16 : Sensor and Displacement
- VB 17 : Sensor Interface
- VB 19 : DOT Graphics LCD Interface

Basic Science (Physics)

Nvis science and physics lab Solutions will compel the students at your institute to perform all the experiments with ease and by themselves. Our Physics Laboratory Products are the perfect solution for understanding the various concepts of Physics smartly and practically. They also help students to develop collaborative learning skills that are vital to success in many lifelong endeavors.

- Nvis 6000 : Electricity Lab
- Nvis 6002 : Electrostatic Lab
- Nvis 6004 : Magnetism Lab
- Nvis 6005 : Solar Energy Trainer
- Nvis 6005A :Solar Power Lab



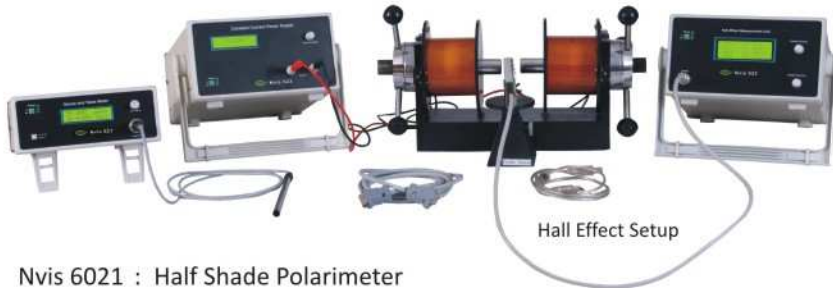
- Nvis 6006 : Optics Bench
- Nvis 6006C :Divergence of LASER
- Nvis 6006D :Inverse Square Law Demonstrator
- Nvis 6007 : Fuel Cell Trainer
- Nvis 6008 : Wind Energy Trainer



- Nvis 6009 : Hybrid Solar and Wind Energy Trainer
- Nvis 6022 : Viscosity Measurement Apparatus
- Nvis 6023 : Malus Law Setup

Nvis 6011 : Solar Cooker Demonstrator
 Nvis 6012 : Coulomb`s Law Demonstrator
 Nvis 6013 : Bio Energy Trainer
 Nvis 6020 : Van De Graaff Generator

Nvis 6056 : Melde`s Electrical Vibrator
 Nvis 6061 : High Resistance Measurement by Leakage Method
 Nvis 6062 : Seebeck and Peltier Demonstrator



Nvis 6021 : Half Shade Polarimeter
 Nvis 6024 : Determining Planck`s Constant using Photo Vacuum Tube
 Nvis 6025 : Planck`s Constant determination using LED
 Nvis 6026 : Moment of Inertia Table Setup
 Nvis 6027 : Torsional Pendulum Setup
 Nvis 6028 : Fresnel Biprism Setup
 Nvis 6029 : Nodal Slide Assembly Setup
 Nvis 6030 : Carey Foster`s Bridge Setup
 Nvis 6031 : Stefan`s Law Trainer
 Nvis 6032 : Calibration of Voltmeter and Ammeter by Potentiometer
 Nvis 6034 : Current Carrying Coil Setup
 Nvis 6035 : Callender and Griffith`s Bridge Trainer
 Nvis 6037 : Desauty`s and Schearing Bridge Trainer
 Nvis 6040 : Young`s Modulus Setup
 Nvis 6041 : Post Office Box Trainer
 Nvis 6042 : Resolving Power of Telescope
 Nvis 6043 : Thermal Expansion Trainer (Pullinger`s Apparatus)
 Nvis 6044 : Lee`s Disc Setup
 Nvis 6045 : Ray Optics Study Setup
 Nvis 6050 : Boyle`s Law Demonstrator
 Nvis 6051 : Acceleration Measurement Setup
 Nvis 6052 : Sonometer
 Nvis 6053 : Resonance Tube Apparatus
 Nvis 6054 : Joule`s Constant Measurement Setup (by electrical method)

Nvis 651 - 654:Light Sources
 Nvis 656 : Spectrometer Set-up
 Nvis 657 : Travelling Microscope
 Nvis 660 : Set of Polarizers
 Nvis 6101 : Hall Effect Trainer
 Nvis 6102 : Measurement of susceptibility of paramagnetic solution (Quinck`s Tube Method)
 Nvis 6103 : e/m Measurement Setup
 Nvis 6104 : Newton`s Ring apparatus
 Nvis 6105 : Band Gap Measurement (Four Probe Method)
 Nvis 6106 : Experimentation with Semiconductor Energy Band Gap Measurement
 Nvis 6107 : Ballistic Galvanometer Setup
 Nvis 6108 : Hysteresis Loop Tracer
 Nvis 6109 : Ultrasonic Measurement Trainer
 Nvis 6110 : Measurement of Wavelength of LASER by Diffraction Grating
 Nvis 6111 : Dielectric Constant Measurement Trainer
 Nvis 6112 : Coupled Oscillator
 Nvis 6115 : Michelson Interferometer
 Nvis 6150 : Geiger Muller Counting System
 Nvis 7009 : RLC Resonance Trainer
 Nvis 4500 : Introductory Nano Kit
 Nvis 4501 : Nano TiO2 Solar Cell Kit
 Nvis 4502 : Ferro Fluid Demonstrator
 Nvis 4512 : Synthesis of Silver Nanoparticles
 Nvis 4515 : Artificial Muscle Trainer

DSP

DSPLab 11 : DSP based ADSPBFS33
 DSP LAB : TMS320C6713 based
 Scientech 6000:TMS320C6713 DSP Development Platform
 Scientech 6001:Digital Signal Controller Development Platform



Basic Electronic

Nvis 6000 : Electricity Lab
 Nvis 6501 : Diode Characteristics Trainer
 Nvis 6503 : Rectifier Trainer
 Nvis 6502 : Experimentation with Transistor Characteristics
 Nvis 6504 : Active Filter Trainer
 Nvis 6505 : Hartley and Colpitt Oscillator Trainer
 Nvis 6506 : Wein Bridge Oscillator Trainer
 Nvis 6507 : Astable and Monostable Multivibrator Trainer
 Nvis 6508 : Zener Diode Voltage Regulator Trainer
 Nvis 6509C :Understanding Network Theorems



Nvis 6510 : Network Theorems Trainer-II
 Nvis 6511 : Clipper and Clamper Trainer
 Nvis 6512A :FET Characteristics Trainer
 Nvis 6513 : Kirchhoff`s Current and Voltage Law Trainer
 Nvis 6514 : Transient Analysis of RC/RL Circuits
 Nvis 6515 : Transient Analysis of RLC Circuit
 Nvis 6516 : Two Port Network Trainer

- Nvis 6517 : Two Port Ladder Network Trainer
- Nvis 6518 : T and π Network Trainer
- Nvis 6519 : Interconnection of Two Port Networks



- Nvis 6521 : FET Amplifier Trainer
- Nvis 6522 : Power and Differential Amplifier
- Nvis 6530A : SCR Characteristics Trainer
- Nvis 6531 : DIAC Characteristics Trainer
- Nvis 6532 : TRIAC Characteristics Trainer
- Nvis 6533 : Maxwell's Bridge Trainer
- Nvis 6534 : Kelvin's Bridge Trainer
- Nvis 6535 : Hay's Bridge Trainer
- Nvis 6536 : LDR Characteristics
- Nvis 6541 : Experimentation with MOSFET
- Nvis 6542 : BJT Amplifiers and Emitter Follower Trainer
- Nvis 6543 : Lissajous Pattern Trainer
- Nvis 6551 : Experimentation with Logic Gates
- Nvis 6551A : TTL & CMOS Characteristics Trainer
- Nvis 6552 : Universal Gates Trainer
- Nvis 6553 : De-Morgan's Theorem Trainer
- Nvis 6554 : Experimentation with Adders and Subtractors
- Nvis 6554A : Parallel Adder and Subtractor Trainer
- Nvis 6555 : Flip-Flop Trainer
- Nvis 6556 : Multiplexer and Demultiplexer Trainer
- Nvis 6557 : Encoder and Decoder Trainer
- Nvis 6560 : Counters Trainer
- Nvis 6561 : Shift Registers Trainer

- Nvis 6562 : BCD Adder and Subtractor Trainer
- Nvis 6563 : Arithmetic and Logic Unit Trainer
- Nvis 6565 : Sum of Product & Product of Sum Implementation
- Nvis 6575 : PAM Modulation and Demodulation Trainer
- Nvis 6576 : PWM Modulation and Demodulation Trainer
- Nvis 6577 : PPM Modulation and Demodulation Trainer
- Nvis 6578 : Operational Amplifier Lab
- Sciencetech 2609: Project Board
- Sciencetech 2610: Project Board
- Sciencetech 2611: Digital Circuits Development Platform
- Sciencetech 2611DS: Digital Workstation



- Sciencetech 2612: Analog Circuits Development Platform
- Sciencetech 2612A :Advanced Analog Circuits Development Platform
- Sciencetech 2613: Analog-Digital Circuits Development Platform
- Sciencetech 2614: Digital Circuits Development Platform
- Sciencetech 2321: Transistor Analyzer
- Sciencetech 2322: Experimentation of OP-AMP Characteristics
- Sciencetech 2323: Op-Amp Applications



Modular Series

Ready to use experiment boards for Analog & Digital Circuits



AB & DB Series : Around 200 boards are in range, details available on website

Ready to use experiment boards for Power Electronic Circuits

- PE-01 : UJT Characteristics
- PE-02 : MOSFET Characteristics
- PE-03 : SCR Characteristics
- PE-04 : TRIAC Characteristics
- PE-05 : DIAC Characteristics
- PE-06 : IGBT CHARACTERISTICS
- PE-07 : PUT Characteristics
- PE-10 : SCR TRIGGERING CIRCUITS
- PE-11 : Triggering of SCR using UJT
- PE-12 : Triggering of SCR using IC 555
- PE-13 : Triggering of SCR using IC-74121
- PE-14 : Ramp and Pedestal Trigeering
- PE-15 : Triggering of SCR using OP-AMP 741
- PE-16 : Triggering of SCR Using PUT
- PE-17 : Triggering of SCR using LDR
- PE-21 : Ramp Comparator Firing Circuit
- PE-22 : Three Phase Firing Circuit
- PE-23 : PWM Circuit
- PE-24 : Cycloconverter Firing Circuit
- PE-25 : Ramp and Pedestal Firing Circuit
- PE-26 : Cosine Firing Circuit
- PE-27 : Microcontroller Based Firing Circuit
- PE-40 : SCR LAMP FLASHER
- PE-41 : SCR Alarm Circuit
- PE-42 : Series Inverter
- PE-43 : UJT Relaxation Oscillator
- PE-44 : Single Phase PWM Inverter

PM Series

- PM-01 : Diode Assembly
- PM-02 : SCR Assembly
- PM-03 : IGBT Assembly
- PM-04 : Three Phase Diode Bridge Rectifier
- PM-05 : Three Phase Semi Converter
- PM-06 : Three Phase SCR Bridge Rectifier
- PM-07 : Three Phase Half Wave AC Voltage Controller
- PM-08 : Three Phase Full Wave AC Voltage Controller
- PM-09 : AC Voltage Control by Triac
- PM-10 : Single Phase Half and Full Wave AC Voltage Controller
- PM-11 : Single Phase Half Wave Converter Drive
- PM-12 : Single Phase Semiconverter Drive
- PM-13 : Single Phase Full Wave Converter Drive
- PM-14 : Three Phase Half Wave Converter Drive
- PM-15 : Single Phase Bridge Inverter

Ready to use boards for RF Circuits

- RF-01 : Low Pass and High Pass RF Filters
- RF-02 : Band Pass and Band Reject RF Filters
- RF-03 : Pierce Crystal Oscillator Module
- RF-04 : NPN Colpitt Crystal Oscillator
- RF-05 : Hartley Oscillator
- RF-06 : Clapp Oscillator
- RF-07 : RF Tuned Amplifier
- RF-08 : IF Amplifier
- RF-09 : RF Mixer

Communication, RF & Microwave



- C700 : Radio System Development Platform (SDR)



- WDR-SDR : Scientech Wireless Digital Radio
- Scientech 2110 : PAM-PPM-PWM Modulation - Demodulation Techniques
- Scientech 2113 : Differential Pulse Code Modulation & Demodulation
- Scientech 2114 : PN Sequence Generator
- Scientech 2115 : CDMA Techniques
- Scientech 2116 : MSK Modulator/ Demodulator



- Scientech 2117 : 2 Channel CDMA (DSSS & FHSS) Techniques
- Scientech 2120 : Error Detection and Correction Cyclic Codes
- Scientech 2121A & Scientech 2121B : Block Codes
- Scientech 2122A & Scientech 2122B : Convolutional (Encoder Decoder)
- Scientech 2123 : PCM Generation & Demodulation using CODEC Chip
- Scientech 2131A : Understanding CDMA-DSSS with BER
- Scientech 2131B : Understanding CDMA-DSSS Communication System with BER Measurement

- Scientech 2132A : Understanding Dual SIM Mobile Phone
- Scientech 2133 : Global System for Mobile Communication
- Scientech 2133AM : GSM Application Module
- Scientech 2135 : 2 Channel CDMA-DSSS Training System
- Scientech 2136 : 16-QAM Transmitter & Receiver Training System
- Scientech 2137 : Digital Communication Training System
- Scientech 2138A : Understanding of 3G Communication System



- Scientech 2151 : Sampling & Reconstruction Technique
- Scientech 2152 : TDM - PAM Transmitter Receiver
- Scientech 2153 : TDM Pulse Code Modulation & Transmitter
- Scientech 2154 : TDM Pulse Code Demodulator and Receiver
- Scientech 2155 : Delta Modulation & Demodulation Techniques
- Scientech 2156 : Data Formatting and Carrier Modulation Transmitter
- Scientech 2157 : Carrier Demodulation and Data Reformatting Receiver
- Scientech 2170 : Modular Digital Communication Series
- Scientech 2201 : DSB/SSB AM Transmitter
- Scientech 2202 : DSB/SSB AM Receiver
- Scientech 2203 : Frequency Modulation / Demodulation

- Sciencetech 2204 : Study of FM Communication
- Sciencetech 2205 : Noise Audio - Amplifier
- Sciencetech 2207 : Four Channel Analog TDM System
- Sciencetech 2208 : Armstrong Frequency Modulator & Demodulator
- Sciencetech 2209 : Synchronous AM Detector
- Sciencetech 2211 : Frequency Division Multiplexer / Demultiplexer
- Sciencetech 2261 : Antenna Training System
- Sciencetech 2261A: Motorised Antenna Unit
- Sciencetech 2262 : Advance Antenna Training Platform
- Sciencetech 2263 : Microstrip Antenna Trainer
- Sciencetech 2266 : Transmission Line Trainer
- Sciencetech 2272A: Satellite Communication Uplink Transmitter, Downlink Receiver and Transponder
- Sciencetech 2274 : Digital Satellite Communication system
- Sciencetech 2276 : Understanding Global Positioning System (GPS)
- Sciencetech 2501 : Optical Fiber Communication
- Sciencetech 2502 : Optical Fiber Communication
- Sciencetech 2502A: Advanced Optical Fiber Communication



- Sciencetech 2801 : PAM, PPM, PWM and Line Coding Techniques
- Sciencetech 2802 : PCM, DPCM, CVSD Modulator & Demodulator
- Sciencetech 2803 : Delta, Adaptive Delta, Sigma Delta Modulator & Demodulator
- Sciencetech 2804 : 4-Channel TDM-PCM Transmitter & Receiver
- Sciencetech 2805 : Digital Companding A-Law and μ -Law
- Sciencetech 2806 : Understanding Noise Generator and its applications
- Sciencetech 2807 : ASK, FSK, BPSK, DBPSK Modulator & Demodulator
- Sciencetech 2808 : QPSK, OQPSK, DQPSK Modulator & Demodulator
- Sciencetech 2809 : Understanding MSK, GMSK, FSK, GFSK, Modulator and Demodulator with AWGN Channel Noise and BER
- Nvis 4000 : RFID-Trainer
- Nvis 4003 : Bluetooth Technology Trainer
- Sciencetech 5001 : Data Communication Techniques
- Sciencetech 5002A: Understanding of Local Area Network (LAN)



- Sciencetech 2505 : Advance Fiber Optics Lab (WDM)
- Sciencetech 2506 : LASER Fiber Optics Trainer
- Sciencetech 2511 & 12: Connectorization & Splice Kit
- Sciencetech 2515 : Mode Characteristics in Fiber Optics
- Sciencetech 2603 : Fourier Synthesis Training System

Microwave Technology

Nvis Microwave Technology Solutions provide an ideal platform to enhance education, training, skill & development amongst our young minds



- Nvis 2000 : Wave and Propagation Trainer
- Nvis 2001 : RADAR Trainer
- Nvis 9000 Series : Microwave Test Bench Series
- Nvis 9008/9008A: Advanced Microwave Integrated Circuit Lab
- Nvis 101A : Gunn Power Supply
- Nvis 102 : Klystron Power Supply
- Nvis 104 : Microwave Generator 2.2 - 3GHz
- Nvis 105A : Microwave Power Meter

Instrumentation

- Sciencetech 2601 : Analog to Digital Converter
- Sciencetech 2602 : Digital to Analog Converter
- Sciencetech 2301 : Study of Optical Transducers
- Sciencetech 2302 : Study of Temperature Transducers



- Sciencetech 2303 : Study of LVDT
- Sciencetech 2304 : Study of Strain Gauge
- Sciencetech 2305 : Relay Control by PC
- Sciencetech 2306 : DC/AC Potentiometric Error Detector
- Sciencetech 2308 : Pressure Transducer Explorer
- Sciencetech 2309 : Water Level Measurement Trainer
- Sciencetech 2311 : SensorLab
- Sciencetech 2311W: Understanding Wireless Sensor Network



- Sciencetech 2312 : Ultrasonic Transducer Trainer
- Sciencetech 2313 : Study of Proximity Sensors
- Sciencetech 2314 : Potentiometric Displacement Sensor
- Sciencetech 2400 : Universal PLC Platform
- Sciencetech ITS PLC: Virtual 3D Training Software for PLC

Interfacing Application Modules with PLC

- Sciencetech 2421 : Water Level Control
- Sciencetech 2422 : Elevator Control
- Sciencetech 2423A :Traffic Light Control
- Sciencetech 2423B :Traffic Light Control
- Sciencetech 2424 : Temperature Control
- Sciencetech 2425 : Conveyor Control by PLC
- Sciencetech 2426 : Speed Control of DC Motor
- Sciencetech 2427 : Motor & Switches Control
- Sciencetech 2428 : Bottle Filling Plant Control by PLC
- Sciencetech 2429 : Start Delta & DOL Starter Control by PLC
- Sciencetech 2451 : Overview of PID Controller
- Sciencetech 2452 : Lead Lag Compensation Network
- Sciencetech 2453 : DC Position Control
- Sciencetech 2454 : Control System Simulator
- Sciencetech 2455 : Synchro Transmitter and Receiver
- Sciencetech 2457 : DC Motor Speed Control
- Sciencetech 2458 : Study of Stepper Motor
- Sciencetech 2470 : Electro Pneumatic Workbench
- Sciencetech 2471 : Electro Hydraulic Workbench
- Sciencetech 2472 : Temperature Measuring Instrument Workbench



Sciencetech 2473 : Level Measuring Instrument Workbench

Sciencetech 2474 : Flow Measuring Instrument Workbench

Nvis 3000A : Control System Lab
Nvis 3002 : Mini Processor Control Demonstrator

Nvis 3002A : Advance Process Control Platform with DAQ

Nvis 3002AP : Advance Process Control Platform with PLC

Nvis 3003 : Flow Rate Measurement

Nvis 3020 : Pneumatic Trainer

Nvis 3021 : PLC controlled Electro Pneumatic Training Platform



Electro Hydraulic Workbench

Embedded Technology

- Nvis 5585 : 8085 Microprocessor Trainer
- Nvis 5585A : Advanced 8085 Microprocessor Trainer
- Nvis 5586 : 8086 Microprocessor Trainer
- Nvis 5586A : Advanced 8086 Microprocessor Trainer
- Nvis 5000P : Handheld 8051 USB Programmer
- Nvis 5001A : 8051 Universal Development Platform
- Nvis 5002 : PIC Microcontroller Development Platform
- Nvis 5002P : Compact PIC USB Programmer
- Nvis 5003 : AVR Microcontroller Development Platform
- Nvis 5003P : Compact AVR USB Programmer
- Nvis 5004 : ARM7 Development Board
- Nvis 5004B : Modular Embedded Development Platform
- Nvis 5005 : 16-Bit Development Platform



Interface & Application Modules

- MC01 : Input Interface Module
- MC02 : ADC/DAC Module
- MC03 : Computer Interface module
- MC04 : Display Module
- MC05 : Motor Drive Module
- MC06 : Elevator Control Module
- MC07 : TTL I/O Interface Module
- MC08 : Real Time Clock Module
- MC09 : Graphical Display Module



- MC10 : Display and Switches Module
 - MC11 : Multi Interface Module
 - MC12 : Infrared Module
 - MC13 : I2C ADC/DAC Module
 - MC14 : SD Card Interface module
 - MC15 : Sensor Module
 - MC16 : PWM Based Voltage Regulator module
 - MC17 : Vehicle Motion Detector module
- EM01 - EM10 Experimental Modules and IM01 - IM10 Interface Modules are designed to study different peripherals used with 8085 and 8086 Microprocessors. Details available on Website.
- Scientech 6201 :ARM9 Development Platform
 - Scientech 6202 :ARM10 Development Board
 - Scientech 6203 :ARM11 Development Platform
 - Scientech 6204 :Cortex M3 Development Platform

Bio Medical Instrumentation

- Scientech 2351 : ECG cum Heart Rate Monitor
- Scientech 2352A:12 Lead ECG Simulator
- Scientech 2353 : Respiration Rate Monitor
- Scientech 2354A:Understanding of Electro-myograph
- Scientech 2355 : Electro-encephalograph Simulator
- Scientech 2356 : Study of Phonocardiograph System
- Scientech 2357 : Heart Rate Measurement (Transmission Method)



- Scientech 2358 :Blood Pressure Measurement
- Scientech 2359 : Single Channel ECG Telemetry
- Scientech 2360 : Study of 12 Lead ECG
- Scientech 2360A:Study of 12 Lead ECG
- Scientech-2361: Pacemaker Simulator
- Scientech 2362 : Arrhythmia Monitor
- Scientech 2363 : Basics of Anesthesia Machine
- Scientech 2365 : Multi-parameter Monitor
- Scientech 2368 : Holter ECG Monitor
- Scientech 2370 : Understanding of Spirometry
- Scientech 10E : CT-Scan Trainer
- Scientech 11E : Ultrasonic investigation with the eye dummy
- Scientech 12E : Ultrasonic T-M mode
- Scientech 13E : Doppler Sonography

Power Electronics

- Scientech 2700 : High Voltage Power Electronics Lab
- Scientech 2701 : IGBT Characteristics
- Scientech 2702 : SCR Triggering Circuits
- Scientech 2703 : SCR Triggering Techniques



- Scientech 2704 : SCR Triggering by IC74121
- Scientech 2705 : SCR Lamp Flasher
- Scientech 2706 : SCR Alarm Circuit

- Sciencetech 2707 : Series Inverter
- Sciencetech 2708 : Single Phase Controlled Rectifier with Ramp Comparator Firing Scheme
- Sciencetech 2709 : Single Phase Controlled Rectifier with Cosine Firing Scheme
- Sciencetech 2710 : Single Phase Converter Firing Techniques
- Sciencetech 2711 : Lamp Dimmer
- Sciencetech 2712 : Power Electronics Lab
- Sciencetech 2713 : Single Phase Cycloconverter
- Sciencetech 2714 : Speed Control of Universal Motor Using SCR
- Sciencetech 2715 : Speed Control of AC Motor Using TRIAC
- Sciencetech 2716 : Microcontroller Based Firing Circuit for Controlled Rectifier
- Sciencetech 2717 : SCR Commutation Circuits
- Sciencetech 2718 : Bedford and Parallel Inverter
- Sciencetech 2719 : Step - Up Chopper
- Sciencetech 2720 : Single Phase Bridge Inverter
- Sciencetech 2722 : Step - Down Chopper
- Sciencetech 2723 : AC Chopper
- Sciencetech 2724 : MOSFET, IGBT, Transistor & SCR based Step Down Chopper
- Sciencetech 2726 : Buck Converter
- Sciencetech 2727 : Boost Converter
- Sciencetech 2728 : Flyback Converter
- Sciencetech 2729 : Buck - Boost Converter
- Sciencetech 2730 : Forward Converter



High Voltage Power Electronics Lab

Vocational Solutions



- Sciencetech 2651W: Understanding of Wi-Fi/Smart LED TV
- Nvis 6001 : Inverter Trainer
- Nvis 6003 : Power Supply Trainer
- Nvis 7002 : Understanding SMPS
- Nvis 7003 : Experimentation with UPS
- Nvis 7059 : Home Electrical Wiring Training System
- Sciencetech 2001E: Oscilloscope Demonstrator / Trainer
- Nvis 7102 : Function Generator Trainer Setup
- Nvis 7105 : Frequency Counter Trainer
- Nvis 7106 : Multimeter Demonstrator
- Sciencetech 2659: Digital Cordless Telephony Training System
- Sciencetech 2651A: Understanding LED Television
- Sciencetech 2652: Multimedia Computer Trainer
- Sciencetech 2653: Spectrum Analyzer Applications Demonstration
- Sciencetech 2654: Study of DTMF Telephone
- Sciencetech 2657: A.T. Exchange/EPABX Training System
- Sciencetech 2658: DSO Application Demonstrator
- Sciencetech 2660: Understanding Public Address System
- Sciencetech 2661A: AM/FM Radio Receiver
- Sciencetech 2662A: Understanding DVD/CD Player
- Sciencetech 2664: Understanding DTH System
- Sciencetech 2665: Experimenting with Digital TV and DTH
- Nvis 2006 : Microwave Oven Study - An Interesting Approach
- Sciencetech 2670: Colour Pattern Generator

Electrical Engineering



- | | | |
|---|--|---|
| Nvis 725 : DC Supply (10A, Transformer based) | Nvis 7017 : Three Phase Synchronous Generator Lab | Nvis 7034 : Swinburn's Test of DC Machine |
| Nvis 725A : DC Supply (15A, Thyristor based) | Nvis 7017A :Three Phase Synchronous Generator Lab (for load testing) | Nvis 7035 : Hopkinson's Test of DC Machine |
| Nvis 725B : DC Supply (25A, Thyristor based) | Nvis 7018 : Synchronous Machine Training System | Nvis 7036 : Ward Leonard Method of DC Machine |
| Nvis 725C : DC Supply (50A, Thyristor based) | Nvis 7019 : Three to Six Phase Conversion Trainer | Nvis 7037 : Three Phase Transformer Lab |
| Nvis 726 : AC / DC Load | Nvis 7021 : Shunt Motor Series Generator Lab | Nvis 7038 : Cut Section of Machines |
| Nvis 7000 : Electrical Safety Demonstrator | Nvis 7022 : Field Test of DC Series Machine | Nvis 7040 : Single Phase Bridge Converter Drive |
| Nvis 7001 : Three Phase Lab | Nvis 7023 : DC Compound Motor Lab | Nvis 7044 : Single and Three Phase AC Voltage Controller |
| Nvis 7004 : Single Phase Transformer Lab | Nvis 7025A :Understanding Calibration of Energy meter | Nvis 7057 : Power Measurement using CT and PT |
| Nvis 7005 : Power Measurement by Two Wattmeter Method | Nvis 7027 : Induction Motor Compound Generator Lab | Nvis 7058 : AC and DC Starter Demonstrator |
| Nvis 7006 : Three Phase Induction Motor Lab | Nvis 7028 : Induction Motor Shunt Generator Lab | Nvisi 7060 : Meter Demonstrator |
| Nvis 7007 : DC Machine Lab-I | Nvis 7029 : DC Series Motor Shunt Generator Lab | Nvis 7061 : Power Factor Demonstrator |
| Nvis 7007N :DC Shunt Motor Compound Generator Lab | Nvis 7030 : Induction Motor Series Generator Lab | Nvis 7062 : Power Measurement by Three Voltmeter & Three Ammeter Method |
| Nvis 7008 : DC Machine Lab-II | Nvis 7031 : Compound Motor Compound Generator Lab | Nvis 7063 : Transmission Line Training System |
| Nvis 7010 : Scott Connection Demonstrator | Nvis 7033 : Slip Ring Induction Motor Lab | Nvis 7064 : Radial & Ring main Distribution System |
| Nvis 7011 : Sumpner's Test of Two Single Phase Transformer | | Nvis 7065 : Symmetrical & Unsymmetrical Fault Demonstrator |
| Nvis 7012 : Parallel Operation of Two Single Phase Transformer | | Nvis 7067 : Single and Three Phase Resistive Load |
| Nvis 7013 : Three Phase Synchronous Motor Lab | | Nvis 7068 : Single and Three Phase Inductive Load |
| Nvis 7014 : DC Series Machine Lab | | Nvis 7069 : Single Phase & Three Phase Capacitive Load |
| Nvis 7015 : Single Phase Induction Motor Lab | | Nvis 7070 : 3-Phase Parameter Measurement |
| Nvis 7016 : Measurement of X_d and X_q of Three Phase Synchronous Machine | | |





Nvis 7070A: Electrical Data Acquisition System

Nvis 7080 : Transformer Oil Testing System

Nvis 7081 : Flash Point Testing Apparatus

Nvis 7089A: Electrical Workstation (for upto 2HP)

Nvis 7089B: Electrical Workstation (for upto 3HP)

Nvis 7090 : MCB and HRC Fuse Testing System

Nvis 7091 : Over Current Relay Testing System

Nvis 7093 : Under Voltage & Over Voltage Relay Testing System

Nvis 7094 : Earth Fault Relay Testing System

Nvis 7095 : Differential Relay Testing System

Nvis 7098 : Three Phase Over Current & Earth Fault Numeric Relay Testing System

Nvis 7202 : Three Phase Controlled Rectifier

Nvis 7203 : Three Phase AC Voltage Controller

Nvis 7502B: Three Phase Full Wave Rectifier

Nvis 7502C: Three Phase Half Wave Rectifier

Robotics



Nvis 3302ARD : Robo Car

Nvis 3302ARM:Robo Car

Nvis 3300 : 6-Axis Robotics Trainer

Nvis 3301 : Robotic Arm

Nvis 3301C : Educational Robot with 5 Axis moving Arm

Nvis 3302A : RoboCar

Nvis 3302P : RoboCar

Nvis 3302W : Basic RoboCar

Nvis 3305 : RoboLeg

Nvis 3305D : 16 Channel Servo Driver

Nvis MCSxx : Sensor Modules For Robotics & Embedded Platforms

Nvis offers Robotic Platforms which are useful for students to gain knowledge in the field of Robotics technology. These platforms provide integrated knowledge of electronics and mechanics. The software provides an ambidexterity of platforms that help in research on Robotic intelligence and behavior. These fully assembled experimental platforms are convenient and are very insightful for use in research and educational institutions.

Solar Range

Nvis 451 Solar Water Pump

Nvis 451 Solar Water Pump is the best way of pumping water at places where electricity is not available. Solar pumps are used to lift water from well or water reservoir tank for domestic applications, irrigation, gardening, etc.

Solar Panels generate electricity from Sunlight. Solar water pump is a very good and efficient application of Solar energy. It doesn't produce any pollution nor requires any maintenance.

Nvis 450 Solar Street Light

Solar energy is a gift to us given by nature and so this lamp allows the energy radiated from the sun to be utilized to generate electricity. **Nvis 450** is durable and economic also. This lamp can be used in Streets, Gardens, Schools, Colleges, Townships etc.

Nvis 435 Rooftop Solar Generator

A major part of the green living movement involves the use of alternative energy sources to replace consumption of conventionally generated electricity. This alternative energy can be generated by Solar power, which is gradually becoming a popular way to power residential and commercial premises. Solar power is derived directly from the natural sunlight and its use is both environment friendly and cost-effective over the long term.

A Solar Power Generation Plant uses photovoltaic modules, inverters and Batteries for electricity generation.

Nvis 650 GSM Remote Control

Nvis 650 GSM Remote Control is used to switch ON/OFF any device from mobile phone. No need to go to the device to make it on ON/OFF we just have to send SMS to make device ON or OFF. It can be controlled through android apps. Device can be password protected to avoid false operation.



Nvis 430A/430B/430C

A series of Solar power pack starting from 100Wp and upto 400Wp. It comes with Solar Panel, Battery Bank, Inverter and charge controller unit. It is portable so that can be shifted any where as per need. This is suitable to run different AC Loads like lighting products, Fan, TV, Computer, etc.

Nvis 436 Solar Power Generation and Training System

Nvis 436 Solar Power Generation and Training System has been designed considering the Solar technology applications in harnessing electricity from Sun. This system will enable students to learn the basic as well as advanced concepts of Solar Photovoltaic energy generation.



Nvis 6010 Weather Monitoring System

Nvis 6010 Weather Monitoring System is a wireless Solar operated system which is designed to monitor the environmental conditions. The combination of six Sensors makes it a simple as well as an economical package and allow it to measure various parameters such as wind speed, direction, temperature, relative humidity, rain gauge and solar radiation simultaneously.



Nvis 440M Solar LED Porta Lamp

Nvis 440M Solar LED Porta Lamp is a High quality Solar product which is very easy to operate. It provides good luminance with spreading angle of 360° for lighting a room. It also provides constant light intensity during operation. It is durable and portable so that can be carried out where ever required . It is featured with dimming mode so that intensity can be controlled as per requirement. It has LED Indications for charging and battery low.

Nvis 455/455A Solar Charger Controller

Nvis 455 is a 6A Solar Charge Controller and **Nvis 455A** is a microcontroller based 10A solar charge controller. These charge controllers are designed to monitor the battery voltage during charging and discharging. It disconnects the solar panel when the battery is fully charged and disconnects the load when the battery is discharged up to a predefined voltage.

Let the Sun Enter in your Life

Learn and Excel in the Solar Technology!




Solar Water Pumping & Solar Power Pack

Solar Simulator

Charge Controller System

PV Module Training System



PV Module Technology System



Carrier Lifetime Measurement System



Spectral Response Measurement System

- Solar Simulator
- PV Integration System
- DC-DC & DC-AC Converter Setup
- Charge Controller System
- Setup for Solar PV Tracking System
- PV Module Technology System
- PV Module Training System
- Solar Water Pumping & Solar Power Pack
- Spectral Response Measurement System
- Carrier Lifetime Measurement Setup
- PV System Losses
- Solar Cell Fabrication Setup

S-Lab offers a comprehensive range of solar laboratory equipment designed to impart the concepts of solar energy conversion technology and utilization from basic to advanced levels. Manufactured by one of the largest laboratory equipment manufacturers, Nvis Technologies Pvt. Ltd., these laboratory setups cater to engineering colleges, ITI institutions, premium schools and vocational training institutions. The S-Lab products aims to fulfill the gap of the required skilled engineers in the solar industry to attain the target of 100 GW installed solar capacity by 2022.

LED Lighting Solutions

LED Tube Lights

- Long Life & Energy Saving
- LED Life Span > 50000 Hrs.
- Short Payback Period
- Retrofit able

Down Lighters

- Compatible with POP Ceiling
- Best replacement for CFL Down lighters
- Low Power Consumption
- Does not attract flies

RGB LED Smart Light

- Suitable for Domestic and commercial applications
- Strong and durable housing
- Lot of colors and effects can be generated
- Can be controlled with Mobile App

Street Light

- Suitable for Townships, industry, highways, etc.
- High Efficiency
- Uniform distribution of light
- Weatherproof housing
- LED Life span > 50000 Hrs.



High Bay Lighting

- Suitable for heighthed industrial shades
- Best replacement of Sodium Vapor Lamp
- Able to resist Power Fluctuations
- Designed as per industrial Power Supply
- Shell material : Aluminum Die cast

Flameproof LED Lamps

- Best replacement of Sodium Vapor Lamp
- Suitable for refinery and chemical industries
- Available in Omni and Uni-directional models
- High Efficiency

LED Flood Light

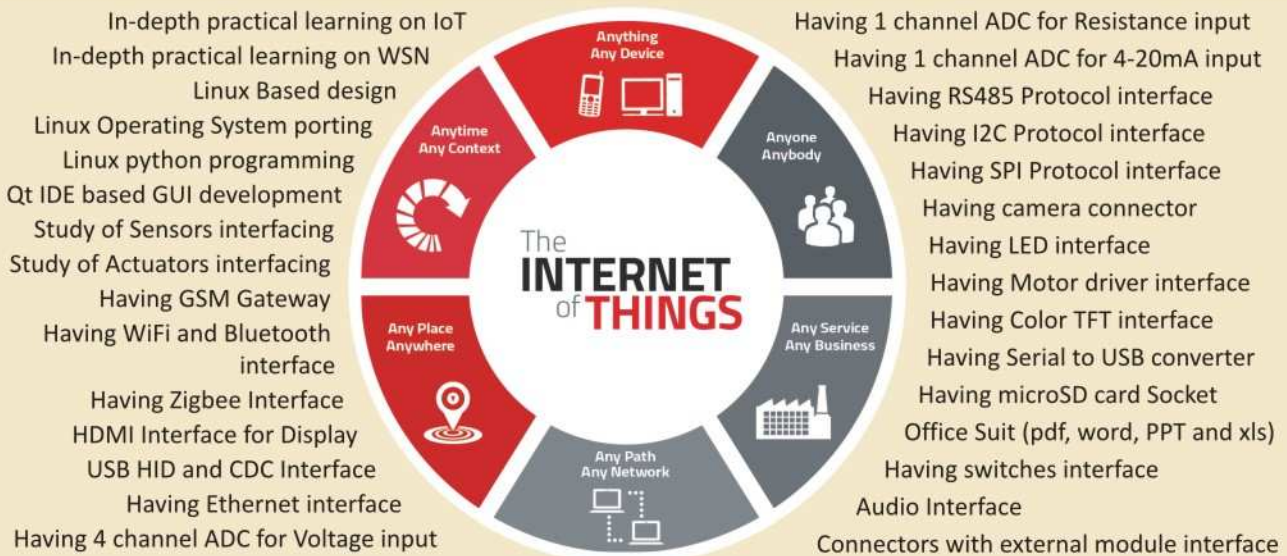
- Suitable for Indoor and Outdoor Applications
- Suitable for architectural lighting
- Uniform cool and warm white light
- Best Replacement of incandescent lamps
- Mirror finished reflector

LED Retrofit Light

- Constant current LED Driver
- High Power Factor
- High Efficiency Electronics
- Durable, Reliable & Unbreakable
- Designed for standard size of down lighters
- LED Life Span > 50000 Hrs.
- Provided with Heat sink

IoT Lab

Sciencetech IoT Lab is a unique solution which allows user to learn Architecture, Working, and Applications of Internet of Things. The Internet of Things (IoT) is the network of Physical Objects or "Things" embedded with electronics, software, sensors, and network connectivity, which enable these objects to collect and exchange data.



Sciencetech Knowledge Universe

Online Digital Library for Topics of Engineering and School

Sciencetech Learning presents an eLearning portal for learning topics of Engineering and School. It is a repository of interactive learning resources rich with multimedia, graphics, animations, user interactive simulations and high quality images that help students to understand and learn a topics more easily.

Engineering Courses

- Engineering Physics
- Engineering Chemistry
- Engineering Drawing
- Basic Computer Engineering
- Energy, Environment, Ecology & Society
- Basic Civil Engg. and Engg. Mechanics
- Basic Mechanical Engineering
- Basic Electrical and Electronics
- Electronics Instruments
- Electronic Devices
- Electronic Circuits and many more...

School Courses

- Maths
- Physics
- Chemistry

5000+
Learning Objects



Simtel

Simplifying Subject by Interactive and Innovative Graphical Approach

Simtel is a Technology Learning Software which offers extremely powerful, yet simple to use solutions for technology learning. Simtel modules give intuitive feel of the complex engineering concepts through their innovative graphical user interface with 3D and 2D animations and user interactive simulations. Simtel product family supports the full range of electronics engineering modules starting from basic Electrical and Electronics to Robotics and Nanotechnology.

- Rich in Content
- User Interactive Activities and Simulations
- Learning Tool for Students Self-Study
- 2D and 3D Animations
- Teaching Tool for In-Class Teaching Programs
- User Friendly GUI and Easy Navigation



For more details, please contact -

Sciencetech Technologies Pvt. Ltd.

94, Electronic Complex, Pardesipura, Indore - 452 010 India.

© 91-731-4211100, www.SciencetechWorld.com, info@sciencetech.bz

Helpline: +919893270301

