



Nile Higher Institute for
Engineering and Technology

بطاقة تعريف جهاز

Device Identification Monitoring Sheet



Communication &
Electronics Department

Device Name	Analog digital bit Kit
Location	B202
Serial No.	1503111354 – 1503111353 - 1503111355
Installation Date	2014
Model	ETT-101
Country of Product	Australia
Device Description	Completely self-contained within a single, low-profile case, the ETT-101 requires only a standard 12V DC plug-pack. Waveforms can be displayed on whatever equipment is available to the student, such as: a low cost lab oscilloscope, or a PC-based virtual instrument

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Device Name	AVO meter
Location	B202
Serial No.	C201919511 - C201919571 - C201919519 - C201919573 - C201919583
Installation Date	2020
Model	UT89X
Country of Product	China
Device Description	AVOMETER can be used to measure the Volt and electric current to 20 Amber, Capacitor, electric resistance, and Transistors.

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Device Name	Cisco 1900 services
Location	Network Lab
Serial No.	(FCZ1907C33U)
Installation Date	2018
Model	Cisco 1900 services
Country of Product	China
Device Description	Ethernet LAN data transfer rates: 10,100,1000 Mbps, cabling technology: 10/100/1000Base-T(X). WAN Port: Ethernet (RJ-45). Network standard: IEEE 802.1ag, IEEE 802.1Q, IEEE 802.3, IEEE 802.3ah. Router protocol: BGP, EIGRP, IS-IS, OSPF. Firewall: Firewall, IPSec VPN, EZVPN, DMVPN, FlexVPN ISR4321/K9 Cisco ISR 4321. Ethernet LAN data transfer rates: 10,100,1000 Mbps, cabling technology: 10/100/1000Base-T(X). WAN Port: Ethernet (RJ-45). Network standard: IEEE 802.1ag, IEEE 802.1Q, IEEE 802.3, IEEE 802.3ah. Router protocol: BGP, EIGRP, IS-IS, OSPF. Firewall: Firewall, IPSec VPN, EZVPN, DMVPN, FlexVPN.

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Device Identification Monitoring Sheet

Device Name	Cisco 2800 services - Cisco System
Location	Network Lab
Serial No.	(0107898362231391)
Installation Date	2018
Model	Cisco System - 0107898362231391
Country of Product	China
Device Description	<p>The Cisco ISR 4000 Series is designed to meet gigabit forwarding performance requirements while running the highest number of network and application services on a single platform. The access points provide Highest quality user experience During peak load periods, the multi-core CPU architecture with Cisco IOS-XE ensures reliability by using separate control and data service layers. Faster adoption to business and user needs New pay-as-you-grow capabilities and services enable IT to increase throughput and expand a comprehensive portfolio of on-demand network and application services without the need for on-site deployment.</p>

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Device Name	DC MULTI-CIRCUIT, COMPOUND WOUND MACHINE, 0.3 KW
Location	B203
Serial No.	SE2682-3D
Installation Date	2015
Model	EEM 2
Country of Product	German
Device Description	<p>Despite their declining use for industrial purposes, DC machines constitute the basis for training in the subject of electric machines. They are ideal for demonstrating the various possibilities of open- and closed-loop control systems for machines. The following training objectives are covered for shunt wound, series wound and compound wound machines:</p> <p>MOTOR OPERATION:</p> <ul style="list-style-type: none">• Connecting the motor• Comparison of shunt wound, series wound and compound wound machines• Typical machine data• Open-loop speed control with starter and field regulator• Reversing the direction of rotation• Load characteristics $\{n, I, P1, P2, \eta\} = f(M)$• Evaluation of the measured results. <p>GENERATOR OPERATION:</p> <ul style="list-style-type: none">• Connecting the generator• Armature voltage as a function of the exciter current• Function and application of the field regulator• Voltage control, self-excitation and separate excitation• Armature current and armature voltage at constant speed and constant exciter current• Load diagram of the generator.

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Device Identification Monitoring Sheet



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Device Name	DC Power Supply
Location	B202
Serial No.	20R305D0302015 - 20R305D0301816
Installation Date	2020
Model	RXN-305D
Country of Product	China
Device Description	<p>A power supply is an electrical device that supplies electric power to an electrical load. The main purpose of a power supply is to convert electric current from a source to the correct voltage, current, and frequency to power the load. As a result, power supplies are sometimes referred to as electric power converters. Some power supplies are separate standalone pieces of equipment, while others are built into the load appliances that they power.</p>

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Device Identification Monitoring Sheet

Device Name	ELO Train Experimenter
Location	B202
Serial No.	CO4203-3B
Installation Date	16/2/2016
Model	SO4203-3B/ SO4203-9B/ SO4206-9B/ SO4206-1D
Country of Product	Germany
Device Description	<p>The ELO Train 2-mm plug-in system combines with the multimedia experiment and training system Uni-Train to create a modern and powerful learning environment for well-grounded training in the fundamentals of electrical engineering and electronics. Students are guided through experiments by clearly structured course software aided by text, graphics, animations and tests of knowledge. The experiments themselves are carried out on a 2-mm Experimenter unit specially developed for UniTrain.</p>

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Device Identification Monitoring Sheet

Device Name	Function/Arbitrary waveform generator
Location	B202
Serial No.	C202056684 - C202056687
Installation Date	2020
Model	UTG932E
Country of Product	China
Device Description	It is a piece of electronic test equipment used to generate electrical waveforms. These waveforms can be either repetitive or single-shot (once only) in which case some kind of triggering source is required (internal or external). The resulting waveforms can be injected into a device under test and analyzed as they progress through it, confirming the proper operation of the device or pinpointing a fault in it.

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Device Identification Monitoring Sheet

Device Name	Function Generator/Counter
Location	B204
Serial No.	P2093144 – P2093150
Installation Date	2013
Model	SG1638N
Country of Product	China
Device Description	<p>From RS PRO, this range of function generators are stable, low distortion instruments that generate signals. These high-quality, user-friendly function generators include a 6 digits LED display that is clear and easy to read and also include a sweep function that simplifies finding resonant points of speakers, filter networks and other networks/structures (an oscilloscope can be connected for response display)</p>

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Device Identification Monitoring Sheet

Device Name	Line-Commutated Converters
Location	B204
Serial No.	CO4203-2A / CO4203-2B
Installation Date	16/2/2016
Model	SO4204-7N
Country of Product	Germany
Device Description	<p>An HVDC converter converts electric power from high voltage alternating current (AC) to high-voltage direct current (HVDC), or vice versa. HVDC is used as an alternative to AC for transmitting electrical energy over long distances or between AC power systems of different frequencies. HVDC converters capable of converting up to two gigawatts (GW) and with voltage ratings of up to 900 kilovolts (kV) have been built, and even higher ratings are technically feasible. A complete converter station may contain several such converters in series and/or parallel to achieve total system DC voltage ratings of up to 1,100 kV.</p>

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Device Identification Monitoring Sheet

Device Name	Mini Bench Drill
Location	B202
Serial No.	BG-5158
Installation Date	2020
Model	MINI/PORTABLE BENCH DRILL MACHINE (6MM) WITH DUAL SPEED FOR HOUSEHOLD, PROFESSIONAL FINE & SMALL HARDWARE PROCESSING
Country of Product	China
Device Description	Mini bench drill, suitable for drilling holes on electric grinders and electric handicrafts. At the same time, mini bench drill, suitable for processing wood, plastic and soft metal plates. Mini bench drill can be used for heavy duty rock, wood drilling, and the positioning is more precise.

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Device Identification Monitoring Sheet

Device Name	AT-700 Portable Analog/digital Laboratory
Location	B202
Serial No.	داخل الفيشة 2,3,3,4,2
Installation Date	2013
Model	AT-700
Country of Product	Taiwan
Device Description	<p>The AT-700 Portable Analog/Digital Laboratory is an ideal teaching aid for all types of electronic circuits, located all around the 223U- Tie-Point removable breadboard is a variety of functional input and out-put circuits, which can be used to stimulate or measure electrical signals from the circuit under test or development. The removable breadboard area is not connected to these peripheral circuits and is meant to be connected by the user using standard solid A W C# 2 2 - 3 0 wire .These circuit functions allow for t h e bread boarding and testing of circuits without the need for many expensive individual pieces of equipment.</p>

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Device Identification Monitoring Sheet



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Device Name	Power Analyzer
Location	B204
Serial No.	I.324940 – I.57423
Installation Date	2014
Model	DW-6090A / DW-6091
Country of Product	Taiwan
Device Description	A power analyzer is used to measure the flow of power (w) in an electrical system. This refers to the rate of electrical transferal between a power source and a sink, hence the alternative expression of power as energy per second (J/s).

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Device Name	Switch 48- Fiber Optic
Location	Network Lab
Serial No.	7940287)Cisco System CAT0919Y1DJ(
Installation Date	2018
Model	Cisco System CAT0919Y1DJ
Country of Product	China
Device Description	Cisco Catalyst 2960-S. Switch type: managed. Basic Switching RJ-45 Ethernet Ports Type: Gigabit Ethernet (10/100/1000), Number of basic switching RJ-45 Ethernet ports: 48. full duplex. MAC address table: 8000 entries. Network standard: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE... Power Via Ethernet (PoE) support. Rack mounting, form factor: 1UWS-C2960S-48FPS-L Cisco Catalyst 2960-S. Switch type: managed. Basic Switching RJ-45 Ethernet Ports Type: Gigabit Ethernet (10/100/1000), Number of basic switching RJ-45 Ethernet ports: 48. full duplex. MAC address table: 8000 entries. Network standard: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE... Power Via Ethernet (PoE) support. Rack mounting, form factor: 1U

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Device Name	Transformer Trainer
Location	B203
Serial No.	CO3636-7A
Installation Date	2015
Model	SH5002-4A
Country of Product	German
Device Description	The transformer trainer can be used to assemble and examine all circuits involving single phase and three-phase transformers. The board incorporates a special transformer. Safeguarding is provided by a motor protection switch.

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Device Name	Two Channel Digital Storage Oscilloscope
Location	B204
Serial No.	215003078
Installation Date	2013
Model	DQ6052E
Country of Product	China
Device Description	A digital storage oscilloscope (DSO) is an oscilloscope which stores and analyses the input signal digitally rather than using analog techniques. It is now the most common type of oscilloscope in use because of the advanced trigger, storage, display and measurement features which it typically provides.

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Device Name	Wireless router (TP-link)
Location	Network Lab.
Serial No.	22040P6018279
Installation Date	2018
Model	TP-link
Country of Product	China
Device Description	<p>The 300Mbps Wireless N Router TL-WR840N is a combined wired/wireless network connection device designed specifically for small business and home office networking requirements. The TL-WR840N creates an exceptional and advanced wireless performance, making it ideal for streaming HD video, VoIP and online gaming. Also, Wi-Fi Protected Setup (WPS) button on the sleek and fashionable exterior ensures WPA2 encryptions, preventing the network from outside intrusions. TP-LINK's TL-WR840N is a high speed solution that is compatible with IEEE 802.11b/g/n. Based on 802.11n technology, TL-WR840N gives users wireless performance at up to 300Mbps, which can meet your most demanding home networking needs, such as HD streaming, online gaming and large files downloading .Processor-Single-Core CPU, External Power Supply-9VDC / 0.6A,Frequency-2.4-2.4835GHz</p>

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