

## PROPERTY ACKNOWLEDGEMENT RECEIPT

**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Surigao City

QTY	UNIT	DESCRIPTION	PO #	UNIT COST	Property Number
<b>Account Code 10801020 - Computer Software</b>					
1	lot	<b>ENGINEERING SYSTEM DESIGN AND ANALYSIS SOFTWARE, LabVIEW National Instrument</b>	<b>19-07-0858</b>	<b>1,850,000.00</b>	
		The software can be install up to 50 user with 1 year license.			
		* It is systems engineering software for applications that require test, measurement, and control with rapid access to hardware and data insights.			
		* The programming environment simplifies hardware integration for engineering applications for a consistent way to acquire data from third-party hardware. It's reduces the complexity of programming, so user can focus on solving engineering problems. The software enables the user to immediately visualize results with built-in, drag-and-drop engineering user interface creation and integrated data viewers. Turn acquired data into real business result, user can develop algorithms for data analysis and advanced control with included math and signal processing IP or reuse libraries from a variety of tools. To ensure compatibility with other engineering tools, it can interoperate with, and reuse libraries from, other software and open-source languages.			
		Features:			
		Rapid prototyping and development with graphical programming			
		* High performance execution with complied code			
		* Integrated libraries for measurement analysis, control algorithms, and digital signal processing			
		* Software connectivity through DLLs, TCP, and OPC			
		* Tight integration with a wide range of I/O hardware			
		* Create start-up executables with Graphical Professional Development System.			
		Includes Core 1 and 2 training course for 3 pax's at supplier training center.			
		Application Software:			
		* Development System			
		* Advanced Signal Processing Toolkit			
		* System Identification Assistant			
		* Control Design and Simulation Module			
		* Control Design Assistant			
		* System Identification Assistant			
		* Datalogging and Supervisory Control Module			
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		* Datalogging and Supervisory Control Runtime Module			
		* Desktop Execution Trace Toolkit for Windows			
		* Digital Filter Design Toolkit			
		* FPGA Compile Farm Toolkit			
		* FPGA ISE Complication Tool			
		* FPGA Module			
		* FPGA Vivado Complication Tool			
		* JKI VI Package Manager			
		* MathScript Module			
		* Switch Executive			
		* Real-Time Module			
		* Robotics Module			
		* Sound and Vibration Toolkit			
		* Unit Test Framework Toolkit			
		* VI Analyzer Toolkit			
		* Vision Development Module			
		Software Support			
		* NXG			
		* NXG FPGA Module			
		* NXG Web Module			
		Device Drivers			
		* FlexRIO with Integrated I/O			
		* FlexRIO with Modular I/O			
		* IVI Compliance Package			
		* 488.2			
		* DAQmx			
		* DCPower			
		* DMM			
		* FGEN			
		* HSDIO			
		* IMAQ			
		* IMAQ I/O			
		* IMAQdx			
		* Industrial Communications for EtherNet/IP			
		* SCOPE			
		* Serial			
		* SWITCH			
		* Sync			
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		* VISA			
		* XNET			
		* CompactRIO			
		* PXI Platform Services			
		* R Series Multifunction RIO			
		Notes			
		* Includes training course for 3 pax's at supplier training center.			
		* Includes installation and on-site training			
		* Provision of powerpoint presentations for the lecturer.			
1	lot	<b>CIRCUIT ANALYSIS &amp; SIMULATION SOFTWARE, Multisim, National Instrument</b>	<b>19-07-0858</b>	<b>1,545,000.00</b>	
		The software can be install up to 50 user with 1 year license.			
		It is industry standard SPICE simulation and circuit design software for analog, digital, and power electronics in education and research. Integrates industry standard SPICE simulation with an interactive schematic environment to instantly visualize and analyse electronic cicuit behavior. Has an intuitive interface that helps educators reinforce circuit theory and improve retention of theory throughout engineering curriculum. Researchers and designers use this simulation software to reduce PCB prototype iterations and save development costs by adding powerful circuit simulation and analyses to the design flow.			
		With a library of 55,000 manufacturer-verified components and seamless integration with the Ultiboard™1 PCB layout tools, you can confidently iterate through design decision and annotate changes between layout and circuit schematic. Use this software™ with Ultiboard™ software to rapidly prototype, build interfacing circuitry, and troubleshoot electronics systems.			
		Notes			
		* Includes training course for 3 pax's at supplier training center.			
		* Includes installation and on-site training			
		* Provision of powerpoint presentations for the lecturer.			
2	license	<b>VISUALIZATION AND RENDERING SOFTWARE -3D; Lumiom 9</b>	<b>19-07-0858</b>	<b>62,250.00</b>	
		3D Visualization Software; New Product			
		Educational Version for Faculty			
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		3D Visualization Software; New Product			
		Education Version for Students			
		Note:			
		Free 25 units Normal or Standard Edition after school acquired			
		1 license of the software.			
		Notes			
		* Includes training course for 3 pax's at supplier training center.			
		* Includes installation and on-site training			
		* Provision of powerpoint presentations for the lecturer.			
50	license	<b>3D MODELING SOFTWARE;</b>	<b>19-07-0858</b>	<b>6,376.00</b>	
		<b>Sketchup Pro, Trimble</b>			
		Modeling software for Education - Laptop Site License			
		Required internet connection upon activation; can use without			
		internet within school vicinity.			
		Notes			
		* Includes training course for 3 pax's at supplier training center.			
		* Includes installation and on-site training			
		* Provision of powerpoint presentations for the lecturer.			
8	license	<b>SOFTWARE FOR SIMULATION OF</b>	<b>19-07-0858</b>	<b>70,743.75</b>	
		<b>AUTOMATION APPLICATIONS;</b>			
		<b>AutoSim200, Shoketsu SM Corporation</b>			
		The software should allow 2D and 3D simulation of industrial			
		automation applications that incorporate pneumatic, electro			
		pneumatic, hydraulic, electrohydraulic, electrical and electronic			
		technology simultaneously through graphics.			
		Minimum Specifications:			
		Configurable environment.			
		Synchronisation between every type of simulation available in the program.			
		Display of the library component categories through drop-down			
		menus, showing the standard symbol separately.			
		Generation of self-compressed executable that can be run on			
		PCs without a licence.			
		Option of moving an individual or local licence from one PC to another.			
		Option of printing the programs and applications that the user has			
		created in any format.			
		Option of opening executable programs outside the simulation environment.			
		The software will allow:			
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		SIMULATION:			
		The dynamic simulation of pneumatic/electro pneumatic, hydraulic/			
		electrohydraulic, electrical and electronic circuits			
		(sequential and combinational).			
		Importing of 3D drawing from 3D softwares			
		Design and dynamic simulation of operational parts in 2D and 3D,			
		generation of animated demonstrations and design of system			
		supervision application.			
		PROGRAMMING:			
		The creation of Grafcet, Ladder, Logigramme (logic gates) and			
		functional block diagrams with structured text. When the simulation is			
		run, the application can be monitored and controlled step-by-step.			
		Generation of symbol tables to be able to address the variables.			
		CONNECTION THE APPLICATION WITH THE OUTSIDE WORD:			
		This connection can be established through:			
		Automatons (PLCs) via OPC communication protocol.			
		Data acquisition cards.			
		LIBRARIES:			
		SIMULATION			
		Pneumatic-Hydraulic which will incorporate the following elements:			
		accessories (filter, regulators, lubricators, dryers, etc.), power supply,			
		actuators, on/off and proportioning valves, detectors, logic gates,			
		pressure regulators, speed controllers, motors, timers, etc....			
		Electrical which will incorporate the following elements: accessories			
		(diode, fuse, voltmeter, etc.), output components (solenoid valve, relay)			
		connection blocks, contact switches, detectors, power supplies,			
		motors (single phase and three-phase DC and AC), etc.			
		Electronic which will incorporated the following elements: meters,			
		flip-flops, power supplies, logic gates, displays, ect..			
		User-defined objects with own designs and pneumatic, hydraulic or			
		electrical connections using commands such as MOVV, ADDV,			
		SUBV, MULV, DIVV, JUMP, JPIF, ORRV, ANDV, XORV, etc.			
		PROGRAMMING			
		Ladder, Grafcet, Logigramme and Structure Text programming.			
		DOCUMENTATION			
		The package will include the following documentation in digital format:			
		Language reference material.			
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		Environment reference material.			
		SIMULATION module manual.			
		2D SIMULATION module manual.			
		3D SIMULATION module manual.			
		The package will include the following documentation on hardcopy:			
		Quick start guide.			
		Notes			
		* Includes training course for 3 pax's at supplier training center.			
		* Includes installation and on-site training			
		* Provision of powerpoint presentations for the lecturer.			
1	lot	<b>COMPUTER AIDED DESIGN SOFTWARE</b>	<b>19-07-0858</b>	<b>1,485,000.00</b>	
		<b>2D / 3D; AutoCAD Educational License</b>			
		<b>Software, Auto Desk</b>			
		Computer-aided design (CAD) software that architects, engineer,			
		and construction professionals rely on to create precise 2D and 3D drawings.			
		Draft and Edit 2D geometry and 3D models with solids, surfaces, and mesh objects			
		Annotate drawing with text, dimensions, leaders, and tables			
		Customize with add-on apps and Apls			
		Notes			
		* Includes training course for 3 pax's at supplier training center.			
		* Includes installation and on-site training			
		* Provision of powerpoint presentations for the lecturer.			
1	lot	<b>STRUCTURAL ANALYSIS AND DESIGN</b>	<b>19-07-0858</b>	<b>495,000.00</b>	
		<b>SOFTWARE 3D; STAAD</b>			
		Perform comprehensive analysis and design for any size or type of			
		structure faster than ever before. Simplify BIM workflow by using a			
		physical model that is automatically converted into the analytical			
		model for structural analysis. Share synchronized models with			
		confidence for multi-discipline team collaboration and most			
		importantly, delivers safe, cost-effective designs. Confidently			
		design steel, concrete, timber, aluminum, and cold-formed steel			
		structures using over 90 included international design codes.			
		Automatically convert physical model into an analytical model to			
		streamline the workflow.			
		Improve multi-discipline team collaboration through broad			
		interoperability and other mobile applications for building design.			
		Optimize concrete and steel BIM workflows with the full integration			
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