

# University of Science and Technology of Southern Philippines

Alubijid | Cagayan de Oro | Claveria | Jasaan | Oroquieta | Panaon

## BID FORM

NAME OF THE PROJECT : **Proposed Procurement for the Supply, Delivery and Installation of Online Content Subscription for Engineering, Technology and Science Courses**

APPROVED BUDGET OF CONTRACT : **FOUR MILLION PESOS AND 00/100 (P4,000,000.00) ONLY**

BRIEF DESCRIPTION : **Supply, Delivery and Installation of Online Content Subscription for Engineering, Technology and Science Courses**

SOURCE OF FUND : **INCOME CY 2020**

CONTRACT DURATION : **Thirty (30) Calendar Days**

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
1	Subscription of Learning Management System with standard of online contents for Engineering, Technology and Science Courses	1	lot	4,000,000.00		
	<p>Multi-technology Interactive e-Learning platform with the use of different teaching tools such as text, 3D animation, video, audio and virtual simulation</p> <ul style="list-style-type: none"> <li>-Complete electronic access to all of the offered multi-technology learning material.</li> <li>-Has about 287 courses, over 1000 modules, 3300 hours of learning material per year</li> <li>-Fully interactive multimedia accessible to unlimited number of users</li> <li>-Available 24/7 for total learning flexibility than can be accessed anytime and anywhere</li> <li>-Includes content management system to administer quizzes, track grades, provide reporting</li> <li>-Creation of tailored courses using any of the modules for customized student learning plan</li> <li>-Uses a variety of effective teaching tools such as text, 3D animation, video, audio and virtual simulation</li> <li>-Guided student learning through a tutorial platform</li> <li>-Must be SCORM compliant</li> </ul> <p>The platform is supported by the following browser:</p> <ul style="list-style-type: none"> <li>Internet Explorer</li> <li>Google Chrome</li> <li>Mozilla Firefox</li> <li>Safari</li> <li>Microsoft Edge</li> <li>Puffin Android Browser</li> </ul> <p><b>Task-Based curriculum focused on the following:</b></p> <ul style="list-style-type: none"> <li>- Troubleshooting</li> <li>- Maintenance</li> <li>- Adjustment/ Tuning</li> <li>- Installation</li> <li>- Analysis/Design</li> </ul> <p>Reviewed and Valid:</p> <ul style="list-style-type: none"> <li>- Developed with Industry</li> <li>- Everyday vocabulary, incorporating terminology found on the job site</li> <li>- Aligned to certification</li> </ul> <p><b>Modules</b></p> <p>Topics:</p> <p><b>I. Automation</b></p> <ul style="list-style-type: none"> <li>-PLC Troubleshooting</li> <li>- Programmable Controllers</li> <li>- Robotics Simulation</li> </ul>					

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
	<ul style="list-style-type: none"> <li>- Flexible Manufacturing System</li> <li>- Robotics and Computer Programming</li> <li>- PLC Motor Control System</li> <li>- Introduction to Machine Vision</li> <li>- Mechatronics</li> <li>- Mechatronics HMI</li> <li>- Mechatronics Troubleshooting</li> <li>- Mechatronics Barcode Identification</li> <li>- Tabletop Mechatronics</li> <li><b>II. Electronics</b></li> <li>-Electronic Drives</li> <li>-Motion Control</li> <li>-Power and Control Electronics</li> <li>-Portable PLC</li> <li>-portable plc troubleshooting</li> <li>- PLC Analog Application</li> <li>-Panelview Operator</li> <li>-PLC Data Highway</li> <li>-PLC Distributed I/O</li> <li>-PLC Troubleshooting</li> <li>- PLC Analog Application</li> <li>- Panelview Operator Interface</li> <li>- PLC ControlNet</li> <li><b>III. Electrical</b></li> <li>- Alternator / Synchronous Motor</li> <li>- Electric Relay Control</li> <li>- AC/DC Electrical Systems (Portable)</li> <li>- Electric Motor Control (Portable)</li> <li>- AC Motor Drives</li> <li>- Electronic Sensors</li> <li>- Electric Motor Control Troubleshooting</li> <li>- AC Motor Drive Troubleshooting</li> <li>- Electrical Fabrication 1</li> <li>- Electric Motor Control</li> <li>- Motor Braking</li> <li>- Reduced Voltage Starting</li> <li>- Electronic Sensors</li> <li>- Electronic Counter</li> <li>- Variable Frequency AC Drive</li> <li>- SCR Speed Control</li> <li>- AC Electronic Drives</li> <li>- DC Electronic Drives</li> <li>- Industrial Electrical Wiring</li> <li>- Electrical Power Distribution</li> <li>- Motion Control 1</li> <li>- Motion Control 2</li> <li><b>IV. Fluid Power</b></li> <li>- Hydraulic Troubleshooting</li> <li>- Pneumatic Troubleshooting</li> <li>- Basic Pneumatics</li> <li>- Basic Hydraulic (Virtual Trainer Enabled)</li> <li>- Intermediate Hydraulics</li> <li>- Intermediate Pneumatics</li> <li>- Electronic Sensors</li> <li>- Advanced Pneumatics</li> <li>- Advanced Hydraulics</li> <li>- Electro-Fluid Power Systems</li> <li>- Pneumatic Fitting Construction</li> <li>- Pneumatics</li> <li>- Fluid 2</li> <li><b>V. Green Energy</b></li> <li>- Wind Concepts</li> <li>- Turbine Electric Hub Troubleshooting</li> <li>- Solar Grid-Tie</li> <li>- Data Acquisition</li> </ul>					



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	<p><b>VI. Lean Manufacturing</b></p> <ul style="list-style-type: none"> <li>- Lean manufacturing</li> <li>- Introduction to lean</li> <li>- 5S</li> <li>- Total Productive Maintenance</li> <li>- Poka-Yoke</li> <li>- Lean Theory</li> <li>- Lean Process Flow</li> <li>- Visual Workplace</li> <li>- Standardized Work</li> <li>- Kaizen</li> <li>- Value Stream Mapping</li> <li>- Set-up Reduction</li> </ul> <p>Six Sigma</p> <p><b>VII. Machining</b></p> <ul style="list-style-type: none"> <li>- Machine Tools 1</li> <li>- Machine Tools 2</li> <li>- CNC Machines 1 - Micromill</li> <li>- CNC Machine Tools 2 - DenfordMicromill/VR Mill</li> <li>- Machine Tools 3</li> <li>- Manual Machine Tools</li> </ul> <p>IX. Materials</p> <ul style="list-style-type: none"> <li>- Plastic Mold Design</li> <li>- Manufacturing Processes 3</li> <li>- Materials Engineering 1</li> </ul> <p><b>VIII. Manufacturing Process</b></p> <ul style="list-style-type: none"> <li>- Computer Aided Manufacturing 1</li> <li>- Welding Technology</li> <li>- Mechanical Fabrication 2</li> <li>- Mechanical Fabrication 1</li> <li>- Wiring Harness Assembly</li> <li>- Contamination</li> <li>- Fasteners</li> <li>- Gaskets</li> <li>- Product Finishing</li> <li>- Production Assembly</li> <li>- Split Flange Coupling Assembly</li> <li>- Electric Torque Wrench Assembly</li> <li>- Star Bar Assembly</li> <li>- Instrumented DC-Electric Torque Wrench Assembly</li> </ul> <p>IX. Materials</p> <ul style="list-style-type: none"> <li>- Plastic Mold Design</li> <li>- Manufacturing Processes 3</li> <li>- Materials Engineering 1</li> </ul> <p><b>X. Measurement and Gauging</b></p> <ul style="list-style-type: none"> <li>- Precision Gauging 1</li> <li>- Measurement Tools 1</li> </ul> <p><b>XI. Mechanical</b></p> <ul style="list-style-type: none"> <li>- Mechanical Drives 1</li> <li>- Mechanical Drives 2</li> <li>- Mechanical Drives 3</li> <li>- Mechanical Drives 4</li> <li>- Pippings</li> <li>- Rigging 1</li> <li>- Multiple Pump</li> <li>- Turbine Pump</li> <li>- Diaphragm Pump</li> <li>- Peristaltic Tubing Pump</li> <li>- Piston Pump</li> <li>- Gear Pump</li> <li>- Magnetic Pump</li> <li>- Centrifugal Pump</li> </ul>					



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	<p><b>XII. Prints and Drawings</b></p> <ul style="list-style-type: none"> <li>- Print Reading 1</li> <li>- Computer-Aided Design 1</li> <li>- Computer Aided Design 2</li> </ul> <p><b>XIII. Structural Engineering</b></p> <ul style="list-style-type: none"> <li>- Structural Engineering 1</li> <li>- Structural Engineering 2</li> </ul> <p><b>XIV. Surveying</b></p> <ul style="list-style-type: none"> <li>- Surveying</li> </ul> <p><b>XV. Thermal Processes</b></p> <ul style="list-style-type: none"> <li>- Process Control Systems</li> <li>- Steam Systems</li> <li>- Thermal Troubleshooting</li> <li>- Thermal Systems 1</li> <li>- Environmental Applications</li> <li>- Air Conditioning/ Heat Pump</li> <li>- Geothermal</li> <li>- Geothermal Troubleshooting</li> <li>- Geothermal Troubleshooting with Desuperheater</li> <li>- Geothermal Flush Cart Learning System</li> <li>- Process Control Systems: Ultrasonic Level Measurement and Control</li> <li>- Process Control Systems: Differential Pressure Flow Measurement and Control</li> <li>- Thermal Process Control</li> <li>- Data Acquisition</li> <li>- Analytical Process Control</li> <li>- Process Visualization Control 1</li> <li>- Data Acquisition Systems</li> <li>- HART Process Control 1</li> </ul> <p><b>XVI. Quality Assurance</b></p> <ul style="list-style-type: none"> <li>- Metrology 1</li> </ul> <p><b>PACKAGE INCLUSIONS:</b></p> <p><b>Warranty:</b></p> <ul style="list-style-type: none"> <li>• One Year</li> <li>• Lifetime technical support</li> </ul> <p><b>Delivery:</b></p> <ul style="list-style-type: none"> <li>• 30 Calendar Days</li> </ul> <p><b>Other Terms and Conditions:</b></p> <ul style="list-style-type: none"> <li>• Bidder to submit brochure/catalogue indicating the brand name and model of bid item/s as additional technical requirements</li> <li>• Bidders shall conduct after sales training at the procuring entity after the completion of delivery</li> <li>• Bidder shall submit pictures of after sales training of faculty members and certificate of acceptance/completion from previous projects.</li> <li>• Bidder shall submit Certificate of Authorization/Exclusivity from the manufacturer/developer</li> <li>• Bidder shall provide technical personnel - Registered Engineers and specialized trainers, to conduct after sales training and perform maintenance of the equipment.</li> </ul> <p>Bidder confirms the availability of manpower to perform such functions</p>					
	<b>TOTAL:</b>					<b>P</b>



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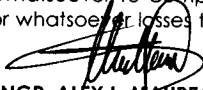
Total Bid Price in Figure: \_\_\_\_\_

Total Bid Price in Words: \_\_\_\_\_

Name and Signature of Bidder: \_\_\_\_\_

All bid proposals must be sealed in envelopes properly labeled and submitted to this University on or before the deadline of submission of bids, **JUNE 23, 2020, 10:00 A.M.** at the Procurement Services, 2nd Level Gymnasium Lobby, University of Science and Technology of Southern Philippines, C.M. Recto Ave., Lapanan Cagayan de Oro City.

The University of Science and Technology of Southern Philippines assumes no responsibility whatsoever, to compensate or indemnify bidders for any expenses incurred in the preparation of the bid. The USTsP neither assumes any obligation for whatsoever losses that the bidders may incur in the preparation on their bids nor guarantee that an award will be made.



**ENGR. ALEX L. MAUREAL**  
BAC Chairperson