



Republic of the Philippines
ROMBLON STATE UNIVERSITY
 Odiongan, Romblon
 Tel No. (042) 567-6281
 Email: romblonstateu@gmail.com
 URL: rsu.edu.ph

BIDS AND AWARDS COMMITTEE

TECHNICAL SPECIFICATIONS
Solicitation No. RSU-2022-03-014
ABC: PhP750,000,000.00
QTY: 1 Lot

SMART CAMPUS PROGRAM

UNIT	ITEM DESCRIPTION	STATEMENT OF COMPLIANCE
Lot	University Information System With the following modules: a. Registrar Module b. Finance Module c. Academe Module d. Curriculum Module e. Scheduling Module f. Enrollment Module g. Student Service Module h. Project Management Module i. Alumni Module j. Short Courses Module k. Web Based Query of Grades and Balances Module l. Interactive Student Kiosk Module m. Installation and Configuration Services i. Application Installation ii. User workflow integration iii. SSL and DNS Configuration iv. Integration to RSU RDBMS Database v. Data Migration (Limited to migration of 2 years existing University Data) vi. Project Management Services vii. User Training	
Lot	Learning Management System With the following modules: a. LMS Administration Module b. Professor Module c. Student Module d. Parents Module e. Installation and Configuration Services i. Application Installation ii. User workflow integration iii. SSL and DNS Configuration iv. Integration to RSU RDBMS Database v. Data Migration (Limited to migration of 2 years existing University Data) vi. Project Management Services vii. User Training	



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Lot	<p>University Accounting System</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. Card File Module b. Accounts Module c. Budget Module d. Inventory Module e. Property Module f. Disbursement Module g. Revenue Module h. Control Panel Module i. Installation and Configuration Services <ul style="list-style-type: none"> i. Application Installation ii. User workflow integration iii. SSL and DNS Configuration iv. Integration to RSU RDBMS Database v. Data Migration (Limited to migration of 2 years existing University Data) vi. Project Management Services vii. User Training 	
Lot	<p>University Human Resource Management System</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. Time Keeping Monitoring Modules b. Automated Payroll System c. Personnel Information System/Human Resources Information System d. Installation and Configuration Services <ul style="list-style-type: none"> i. Application Installation ii. User workflow integration iii. SSL and DNS Configuration iv. Integration to RSU RDBMS Database v. Data Migration (Limited to migration of 2 years existing University Data) vi. Project Management Services vii. User Training 	
Lot	<p>Executive Information System</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. EIS Warehouse b. Reporting and Dashboard Modules c. RDBMS Database d. Installation Services <ul style="list-style-type: none"> i. ETL Design Services ii. Data Design Services iii. System Installation Services iv. System Design and Consultation 	



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	<ul style="list-style-type: none"> v. Project Management Services vi. Training and Knowledge Transfer 	
Lot	<p>Campus Portal System</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. LDAP Based User Management System b. RSU Faculty and Student Portal c. Installation Services <ul style="list-style-type: none"> i. Application Design Services ii. LDAP Implementation Services iii. System Installation Services iv. System Design and Consultation v. Project Management Services vi. Training and Knowledge Transfer 	
Lot	<p>Upgrade the Existing Campus Data Center</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. Data Racks b. Precision Air-conditioning Units (PACU) for Data Center c. Uninterruptable Power Supply d. Electrical Components <ul style="list-style-type: none"> i. Power Management System ii. Power Distribution Units iii. 175 KW Generator System e. Environmental Monitoring System f. Fire Suppression System g. Installation Services <ul style="list-style-type: none"> i. Civil Works Services ii. Electrical Services iii. Mechanical Services iv. Project Design and Consultation v. Project Management vi. Training and Knowledge Transfer 	
Lot	<p>Data Center Compute System</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. Windows based Server Cluster b. Linux based Server Cluster c. GPU Capable Server Cluster d. Enterprise Server Virtualization Software e. Installation and Configuration Services <ul style="list-style-type: none"> i. Electrical and Racking Design Services ii. Project Design and Consultation iii. Project Management iv. OS Installation v. Server Virtualization Services 	



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	<ul style="list-style-type: none"> vi. Network Configuration Services vii. Server Storage Configuration Services viii. Training or Knowledge Transfer 	
Lot	<p>Data Center Block and File Storage System</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. Block Storage System b. File Storage System c. SAN Switch d. Installation and Configuration Services <ul style="list-style-type: none"> i. Electrical and Racking Design Services ii. Project Design and Consultation iii. Project Management iv. Storage System Installation v. Storage Network Configuration Services vi. Storage Configuration Services vii. Training or Knowledge Transfer 	
Lot	<p>Data Center Network Switches</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. Core Switch b. TOR/Border Leaf Switch c. Management Switch d. Installation and Configuration Services <ul style="list-style-type: none"> i. Electrical and Racking Design Services ii. Network Design and Consultation iii. Project Management iv. Switch Installation v. Network Configuration Services vi. Training and Knowledge Transfer 	
Lot	<p>Cyber Security Equipment</p> <p>With the following modules:</p> <ul style="list-style-type: none"> a. SDWAN with Firewall b. Cyber Security Threat Intelligence Appliance c. Enterprise Network Management System d. Installation and Configuration Services <ul style="list-style-type: none"> i. Electrical and Racking Design Services ii. Network Design and Consultation iii. Project Management iv. Appliance Installation v. Network Configuration Services vi. Training and Knowledge Transfer 	
Lot	<p>Data Center Backup and Recovery System</p>	



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	<p>With the following modules:</p> <ul style="list-style-type: none"> a. Enterprise On-Premise Data Backup System b. Cloud Based Elastic Disaster Recovery System c. Installation and Configuration Services <ul style="list-style-type: none"> i. Electrical and Racking Design Services ii. Network Design and Consultation iii. Disaster Recovery Site provisioning and testing iv. Project Management v. Appliance Installation vi. Network Configuration Services vii. Training and Knowledge Transfer 	
Lot	<p>RSU Cloud Infrastructure</p> <ul style="list-style-type: none"> a. IAAS Cloud Services b. VPN Routing Services 	
Lot	<p>Campus Network System</p> <p>Equipment:</p> <ul style="list-style-type: none"> a. Network Distribution <ul style="list-style-type: none"> 1. Switch for Main Campus b. Access POE Switches <ul style="list-style-type: none"> 1. 24 Ports Switch 2. 48 Ports Switch c. WIFI Access Points <ul style="list-style-type: none"> 1. 256 Client Capable WIFI Access Point 2. 1,024 Client Capable WIFI Access Point 3. Access Point Controller for 64 APs 4. Access Point Controller for 32 Aps 5. Main AP Controller 	
Lot	<p>Fiber Optics Works</p> <ul style="list-style-type: none"> a. Installation of Fiber Optic Backbone to Several RSU Sites b. Structured Cabling Works to Several RSU Sites and Building 	
Lot	<p>Internet Connectivity</p> <ul style="list-style-type: none"> a. Installation of Internet Connectivity to several RSU Sites <ul style="list-style-type: none"> i. 1Gpbs Internet Line <ul style="list-style-type: none"> 1. RSU Main Campus 	



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	<p>ii. 200 Mbps Internet Line</p> <p>1. RSU San Andres Campus 2. RSU San Agustin Campus</p>	
Lot	<p>Campus Security System</p> <p>Equipment:</p> <p>a. CCTV System</p> <p>i. CCTV Cameras</p> <p>1. Dome Cameras 2. Bullet Cameras</p> <p>b. Security Center Equipment</p> <p>i. Network Video Recorder ii. Desktop PC for CCTV iii. LED Displays iv. Command and Control Modules v. Furnitures</p> <p>c. University Mobile Application for Student and Faculties</p> <p>d. Installation and Configuration Services</p> <p>i. Electrical and Racking Design Services ii. Network Design and Consultation iii. CCTV Camera Installation iv. Project Management v. LED Monitor Installation vi. Mobile Application Customization Services vii. Network Configuration Services viii. Training and Knowledge Transfer</p>	
Lot	<p>Teachers' Laptops</p> <p>With installation and configuration services.</p> <p>a. Teacher's Laptop</p> <p>i. Core i5 Based Laptop ii. Core i3 Based Laptop</p> <p>b. Training Services</p>	
Lot	<p>Students' Laptops</p> <p>With installation and configuration services.</p> <p>a. Students' Laptop</p> <p>i. Core i3 Based Laptop</p> <p>b. Training Services</p>	



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Lot	<p>E-Classroom</p> <p>With installation and configuration services.</p> <p>Equipment:</p> <ul style="list-style-type: none"> a. Interactive Board b. Training Services 	
Lot	<p>E-Library</p> <p>Equipment:</p> <ul style="list-style-type: none"> a. Desktop Computers b. Cabling Works c. Furnitures 	
Lot	<p>Engineering (CAD) E-Laboratories</p> <p>Equipment:</p> <ul style="list-style-type: none"> a. Desktop Computers b. Interactive Board c. Furnitures d. AutoCAD e. Large Format Printer f. Cabling Works 	
Lot	<p>3D Modelling E-Laboratories</p> <p>Equipment:</p> <ul style="list-style-type: none"> a. Desktop Computers b. Interactive Board c. Furnitures d. 3D Studio Max e. 3D Printer f. Cabling Works g. Installation and Configuration Services 	
Lot	<p>General Purpose E-Laboratories</p> <p>Equipment:</p> <ul style="list-style-type: none"> a. Desktop Computers b. Interactive Board c. Furnitures d. Cabling Works 	



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Lot	Software and Network Laboratories Equipment: a. Desktop Computers b. Interactive Board c. Tower Server d. Network Labs Equipment e. Installation and Configuration Services	
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Name and Signature of the Bidder/Authorized Representative

Name of the Company