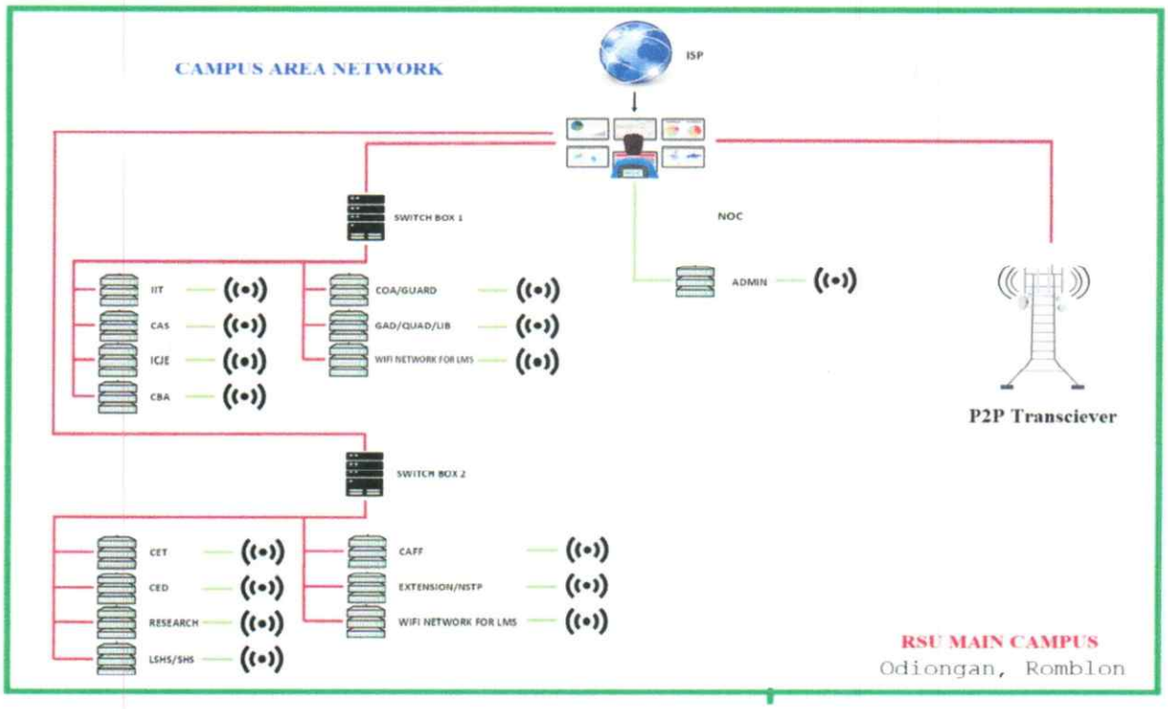
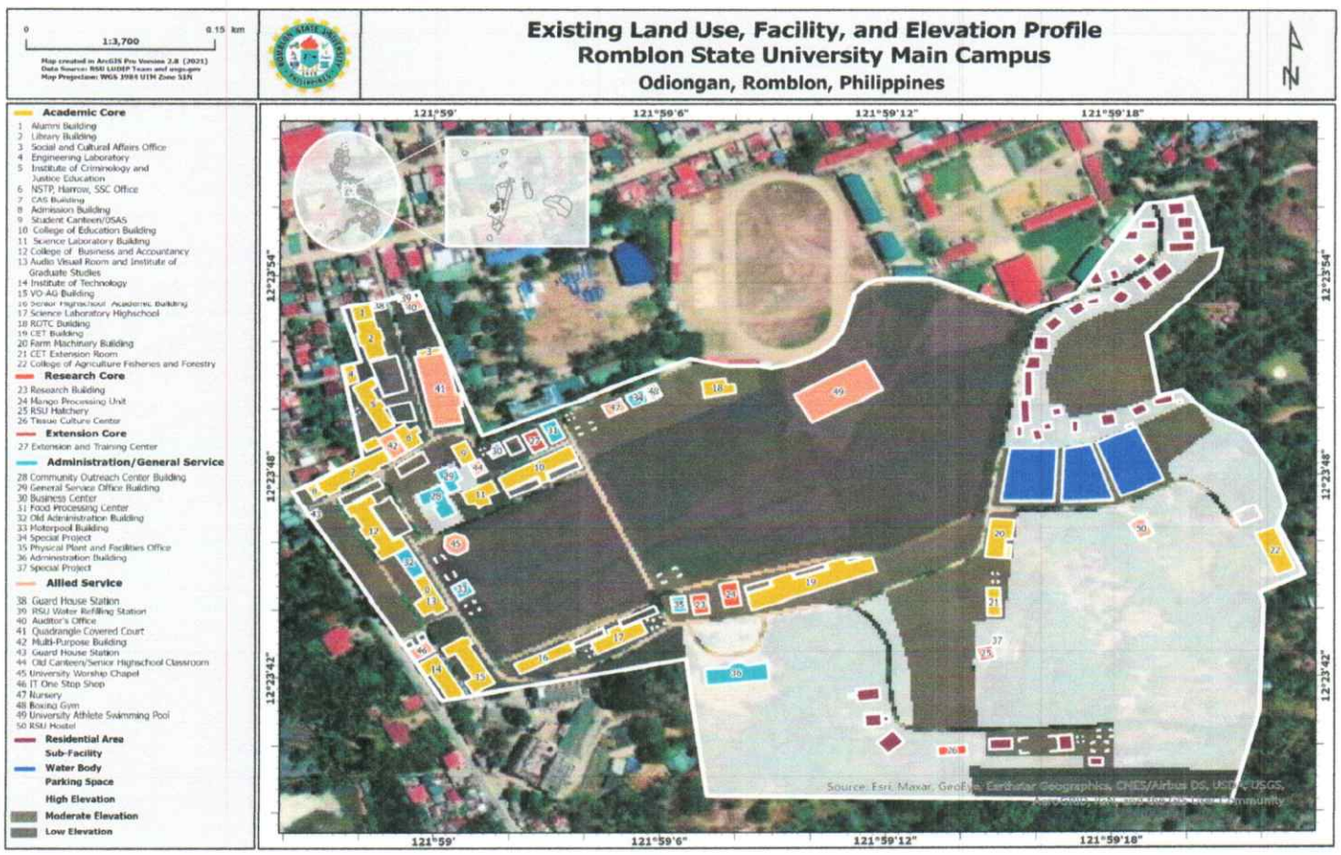
Appendix A

Proposed RSU CAN



Existing Land Use and Facilities of RSU



ROMBLON STATE UNIVERSITY
Liwanag, Odiongan, Romblon
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Appendix B

EQUIPMENT DISTRIBUTION LIST

Project Title: **SMART ISLA: Integrated SMART Campus for Learning Advancements in an Island Education Setting (Improvement of the RSU Campus-Wide Network Infrastructure)**

Equipment	Number of Units	(1) Odiongan (Main Campus)	(2) Romblon Campus	(3) Sta.Fe	(4) San Andres	(5) Calatrava	(6) San Agustin	(7) Sta. Maria	(8) San Fernando	(9) Cajidiocan	Relay Stations
Equipment Outlay											
Network Operating Center											
24" LED monitor for server monitoring of Network Operating Center	7	5	2								
42U Data storage Cabinet including ventilation fan	4	3	1								
Main Router	2	1	1								
LMS Local Desktop Server with 17" LED	5	1	1	1		1				1	
Layer 3 Manage switch for core network	4	3	1								
3KVA UPS	3	2	1								
Rock Mount Server	3	2	1								
Desktop Computer for network and services monitoring	3	2	1								

Equipment	Number of Units	(1) Odiongan (Main Campus)	(2) Romblon Campus	(3) Sta.Fe	(4) San Andres	(5) Calatrava	(6) San Agustin	(7) Sta. Maria	(8) San Fernando	(9) Cajidiocan	Relay Stations
Inter-CAN Wireless Connectivity											
Outdoor Sector AP transmitter	3										3
400 watts solar power generator	10			1	1	1	1	1	1	1	3 (*Romblon, Agpudlos and San Andres
3KW solar power generator for island campus backup (Romblon Campus NOC)	1		1								
1000 watts solar power generator for main relay tower	1										1
Directional access point with 1gbps throughput, 70 kms link	2								1		1
Directional access point with 1gbps throughput, 40 kms link	4	1	1								2
Directional access point from relay station to different campuses with throughput of 450+mbps, 20kms range	24	2	1	1	1	1	1	1	1	1	14
60ft Main Campus tower	1	1									
• *40ft tower* • *Outdoor Data and Battery Cabinet*	10 10			1 1	1 1	1 1	1 1	1 1	1 1	1 1	3 3 (*Romblon, Agpudlos and San Andres)
30ft Main relay tower tri-leg	1										1 (Sta. Maria)
Lightning Arrester for 60ft Main Tower	1	1									
Lightning arrester for 40ft tower and 30ft Main relay tri-leg	11		1	1	1	1	1	1	1	1	3
Redundant battery for relay stations 150AH	15	15									

Equipment	Number of Units	(1) Odiongan (Main Campus)	(2) Romblon Campus	(3) Sta.Fe	(4) San Andres	(5) Calatrava	(6) San Agustin	(7) Sta. Maria	(8) San Fernando	(9) Cajidiocan	Relay Stations
Fiber Optic Network Equipment											
15KW Solar Power Generator for Network Backbone	1	1									
Conduits	1	1									
Media converter chassis	6	6									
Smart switch	24	16	1	1	1	1	1	1	1	1	
Fiber optic 2 core	3	3									
Learning Hub Equipment											
All in One Desktop PC	40	5		5	10	5	10	5			
UPS 650 VA	40	5		5	10	5	10	5			

ITEMS	Number of Units	Odiongan (Main Campus)	Romblon Campus	Other 7 Campuses	Relay Stations
MOOE					
Campus Network Connectivity					
Indoor Wireless AP	50	26	3	21	
Outdoor Wireless AP	40	16	3	21	
Access controller	18	10	1	7	
UPS 1100VA	24	17	1	7	
8 Port Gigabit Switch	4				4
Gigabit Router Dual Core	24	17	1	7	

Prepared by:

CARLWIN V. DAYAGDAG, DIT
(Project Leader)

Approved by:

MERIAN P. CATAJAY-MANI, Ed.D., CESE
University President

Appendix C

Proposed RSU Inter-CAN Design.

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Appendix D
TOWER DISTRIBUTION LIST

Project Title: **SMART ISLA: Integrated SMART Campus for Learning Advancements in an Island Education Setting (Improvement of the RSU Campus-Wide Network Infrastructure)**

No	Location	Lot Owner	Network Category	Permit Acquisition Duration	Remarks
60ft Main Campus Tower					
1	RSU Main Campus	RSU	Inter-CAN	20 Days	With land title
40ft tower for campuses and relay					
2	Romblon Relay Station (*Relay)	Private (w/ MOA)	Inter-CAN	20 Days	MOA in-process; Multi-year contract; With right of way
3	RSU San Agustin Campus	RSU	Inter-CAN	20 Days	With land title
4	RSU San Fernando Campus	RSU	Inter-CAN	20 Days	With land title
5	RSU Sta. Maria Campus	RSU	Inter-CAN	20 Days	With land title
6	RSU Agpudlos (*Relay)	RSU	Inter-CAN	20 Days	With land title
7	RSU San Andres Campus	RSU	Inter-CAN	20 Days	With land title
8	San Andres Relay Station (*Relay)	RSU	Inter-CAN	20 Days	With deed of donation
9	RSU Cajidiocan Campus	RSU	CAN	20 Days	With land title
10	RSU Calatrava Campus	RSU	CAN	20 Days	With land title
11	RSU Sta. Fe Campus	RSU	CAN	20 Days	With land title
30ft Main Relay Tower tri-leg					
12	Sta. Maria Triple Peak Main (*Relay Station)	Private (w/ MOA)	Inter-CAN	20 Days	MOA in-process; Multi-year contract; With right of way

Legend:

Inter-CAN > Connected to RSU wireless Network
CAN > Wireless Campus Area Network with stand-alone LMS Server and provision for Inter-CAN

Prepared by:	Approved by:
CARLWIN V. DAYAGDAG, DIT (Project Leader)	**MERIAN P. CATAJAY-MANI, Ed.D., CESE** University President
Date:	Date: