

Integrated Action Learning Project Plan
Development of a Network Plan for Remnant Ministries

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TS4990 Integrated Action Learning Project

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Project Description

My project would be to develop a network plan for Remnant Ministries, a new church that I recently started attending in December of last year. The church currently meets in a high school theatre on Sunday's. Remnant Ministries has a building currently being built with an estimated completion of late this summer. For my project I would develop a plan to design and implement their network in their new building.

This plan will include the network setup including (Internet Service Provider) ISP, the purchase of desktops/laptops for staff to use, as well as all software needed to complete daily operations such as Microsoft windows, and office. Also we will need to make sure all software is SLA (Service License Agreements)

Non-profit organizations as a whole usually need many volunteers to help with the daily operations because there simply isn't enough money flowing through the organization to fund operations. This plan will benefit the church because it will help the church save the money they would ordinarily pay to a consultant.

The stakeholder involved in this project is Pastor Randall Cunningham. This project will begin in Unit 6 and conclude in Unit 10 of the TS4990 course.

In performing a feasibility check I examined the following areas:

1. Support - Leadership is unsure of what their desires are for network and operations
2. Budget – There are definite budget constraints in regards to implementation
3. Location – Since property is a new location it might be difficult to determine what ISP's are available

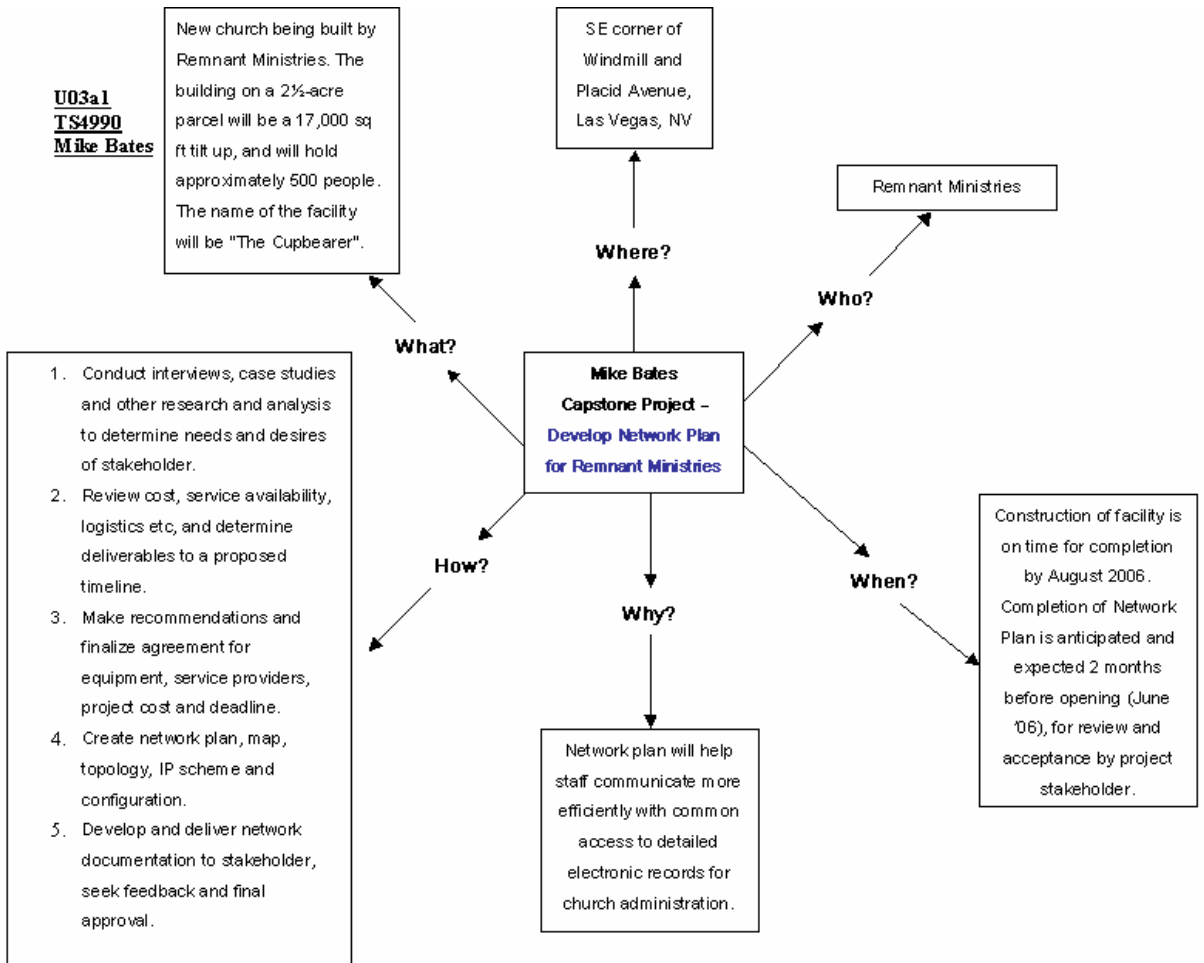
Objectives

In producing my project my **major objectives** are to:

1. Produce a plan for the Remnant Ministries network for its new building.
2. Develop a means for which Remnant Ministries can save money.

In producing my project my **learning objectives** are to:

1. Improve problem solving and troubleshooting
2. Develop interpersonal skills, communicating technical issues to non-technical people.
3. Understand the daily operations of the Chu



Project Schedule

The following schedule would guide the production of my project:

Tasks	Duration
Research Phase (Fact-finding)	5/8/06 – 5/14/06
Task 1: Conduct interviews with church administration to determine needs, desires	
Task 2: Conduct case study of other church(es) with similar needs	
Task 3: Research network planning and design	
Assisting Resources:	
<u>Literature</u>	
Bender, S. L. (2003). Producing the Capstone Project.	
<u>Internet</u>	
Microsoft Small business Server	
http://www.microsoft.com/windowsserver2003/sbs/default.aspx	
Network Planning and Design	
http://www.more.net/technical/netserv/netdesign.html	

<u>People</u> Tony Perez, Systems Administrator, Calvary Chapel Spring Valley Stakeholder, Pastor Randall Cunningham	
Analysis Phase (Feasibility studies)	5/15/06 – 5/21/06
Task 1: Review potential costs with consideration for 'non-profit' status Task 2: Review available service providers, building plans and logistics Task 3: Consider timeline and deliverable deadlines	
Assisting Resources:	
<u>Literature</u> Bender, S. L. (2003). Producing the Capstone Project.	
<u>Internet</u>	
<u>People</u> Tony Perez, Systems Administrator, Calvary Chapel Spring Valley Stakeholder, Pastor Randall Cunningham	
Planning Phase (Make decisions)	5/22/06 – 5/28/06
Task 1: Decide on equipment to be implemented (networking, computers and software) Task 2: Initiate service provider and supplier agreements Task 3: Formulate complete project cost & time agreement	
Assisting Resources:	
<u>Literature</u> Bender, S. L. (2003). Producing the Capstone Project.	
<u>Internet</u>	
<u>People</u> Tony Perez, Systems Administrator, Calvary Chapel Spring Valley Stakeholder, Pastor Randall Cunningham	
Design Phase	5/29/06 – 6/4/06
Task 1: Create network plan Task 2: Create map and topology Task 3: Develop IP Scheme and configuration (Workgroup or Domain setup)	
Assisting Resources:	
<u>Literature</u> Bender, S. L. (2003). Producing the Capstone Project.	
<u>Internet</u> Network Design Tips http://www.microsoft.com/technet/itsolutions/smbiz/sitsol/LPDesigning.msp	
<u>People</u> Tony Perez, Systems Administrator, Calvary Chapel Spring Valley Stakeholder, Pastor Randall Cunningham	

Documentation Phase	6/5/06 – 6/11/06
Task 1: Develop network documentation Task 2: Provide network documentation Task 3: Seek feedback from the Stakeholder.	
Assisting Resources: <u>Literature</u> Bender, S. L. (2003). Producing the Capstone Project. <u>Internet</u> Developing Documentation http://builder.com.com/5100-6387-1045547.html <u>People</u> Tony Perez, Systems Administrator, Calvary Chapel Spring Valley Stakeholder, Pastor Randall Cunningham	

Risk Management

In producing my project I performed the following risk assessment:

Risk Factor Checklist			
Risk Considerations	Low Risk	Medium Risk	High Risk
Accessibility to Building Plan	X		
Staff Needs			X
Budget Constraints			X
ISP availability			X
Documentation time frame		X	
Pricing of Software		X	
High Risk Analysis			
Risk Considerations	Risk Significance and Potential Solution		
Staff Needs	Significance: If client is unaware of needs it will be difficult to design a plan. Solutions: Ask what they would like to accomplish and develop a solution around this. Do not try to convey technical issues.		
ISP Availability	Significance: This will limit our options for establishing connectivity Solution(s): We may have to connect network using satellite technology		
Budget Constraints	Significance: Cabling of the building may be expensive. Also licensing for software may also be pricey. Solutions: Might need to use wireless setup to cut down on cabling costs and search for free ware, software that is free for public use.		

Contingency Plan

After completing a risk analysis it has been determined that the high-level risks to the successful completion of my project are:

1. Staff Needs
2. ISP Availability.
3. Budget Constraints

Efforts to offset these risks are in place. However, if for some reason my project does not appear to be developing successfully regardless of the efforts made, I would present reasons why I am unable to proceed with the project as planned. Appropriate redirection of the plan would take place upon instructor and/or stakeholder approval and the new direction would be discussed in the final project report. Redirection might be to permit the [analysis, testing, presentation, or other] phase(s) of my project to constitute my project in its entirety. The outstanding phase(s) [e.g., implementation] of my project would in such case be completed outside the scope of the capstone project. Upon approval, such redirection would represent my project in its entirety.

Literature Review

I performed the following literature review concerning the value in producing my project:

1. <http://www.churchbusiness.com/hotnews/64h261086.html>

This article discusses the belief that when churches and businesses implement web based applications they can save time and money. Many churches do not implement technology for fear of costs. In truth, using technology can actually save time and money. This article discusses web based solutions, however the concepts of technology in business are not limited to web based applications.

2. Convery, J. (2006). 21st century business broadband: The business of benefits.

Although this article takes place in Ireland, it an issue the rest of the world deals with as well. Broadband internet access is a very important service provided for businesses. Some of the benefits of broadband business include video conferencing and electronic file storage. "Aside from the difference to a company's bottom line and productivity gains, broadband can transform the face of business. "

Appendix

The following appendixes would be added to the Integrated Action Learning Project Final Report to provide a sample of my work and to evidence satisfactory project completion:

Appendix A: Sample of the Network Plan

Appendix B: Letter of Project Completion from Stakeholder, Pastor Randall Cunningham

