IT Infrastructure Development Program

Services / Consultation

Services / Consultation

- Basic IT Infrastructure
- Web / Database Hosting
- Distributed Classrooms
- SMS Gateways

Basic IT Infrastructure

Basic IT Infrastructure

- Design and Procurement
  - Need Assessment
  - Design of IT Infrastructure
  - Tender Creation
  - Proposal Preparation
  - Budgeting

Basic IT Infrastructure

- Power Infrastructure
  - Design
  - Capacity Planning
  - Selection of Equipments (UPS, Generator, Inverter etc.)
  - Procurement
  - Implementation
  - Basic Maintenance

Basic IT Infrastructure

- Network and Voice Infrastructure
  - Design of LANs, Campus Wide Network, Internet Connectivity, VoIP etc.
  - Selection of Equipments (Cabling, Network Switches, Modems, Routers, EPABXs etc.)
  - Procurement
  - Implementation
  - Advanced Maintenance

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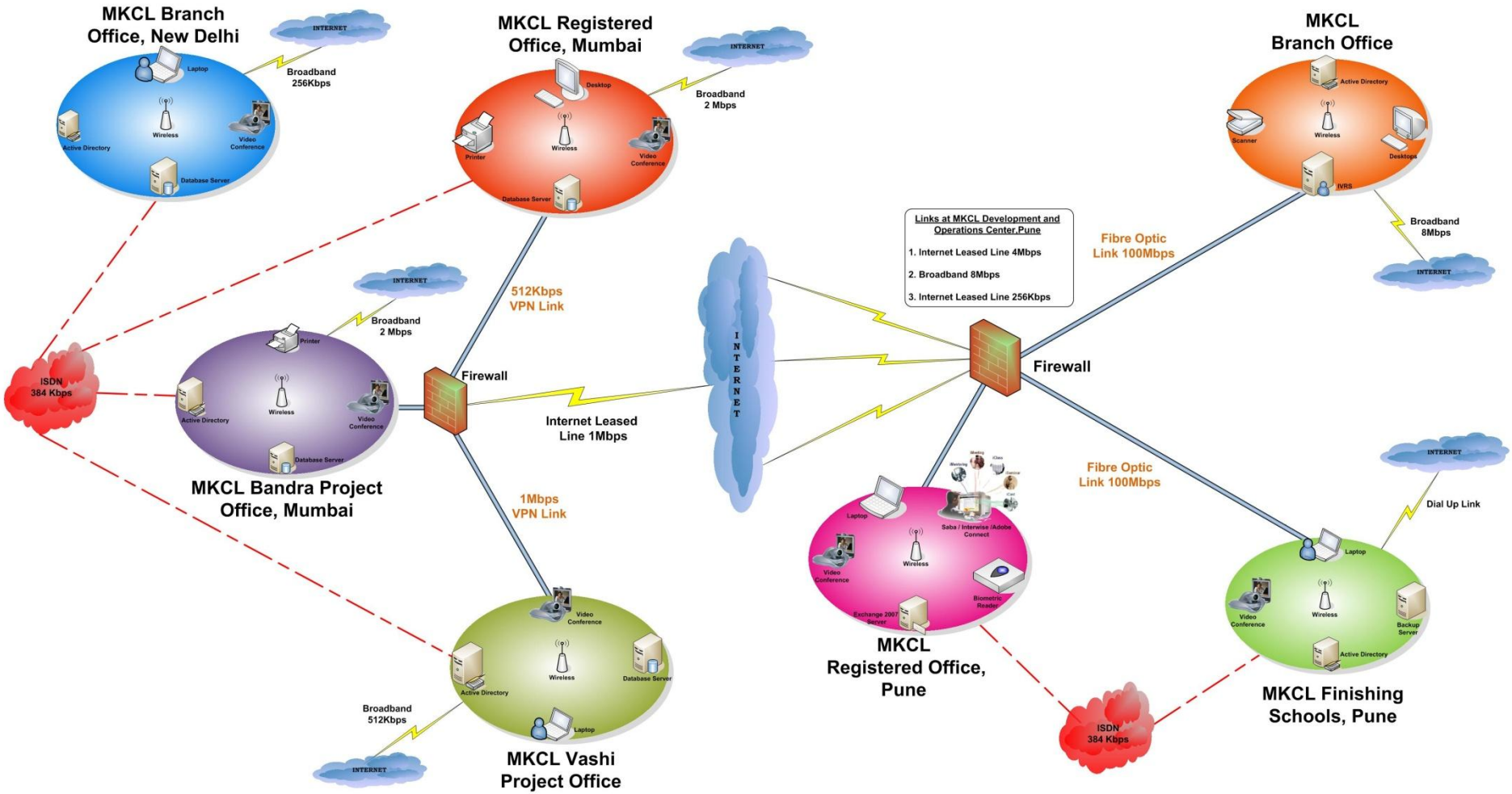
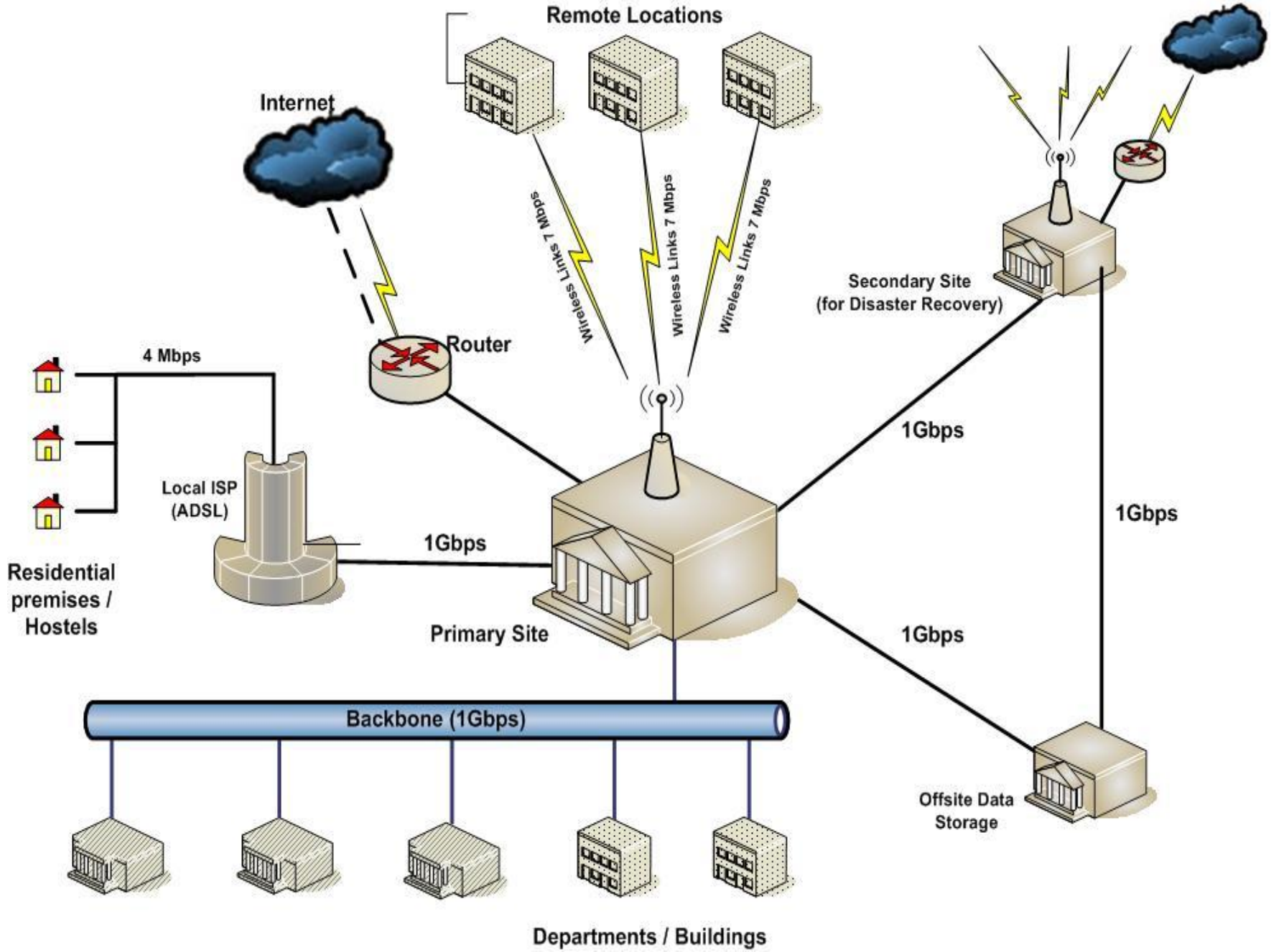
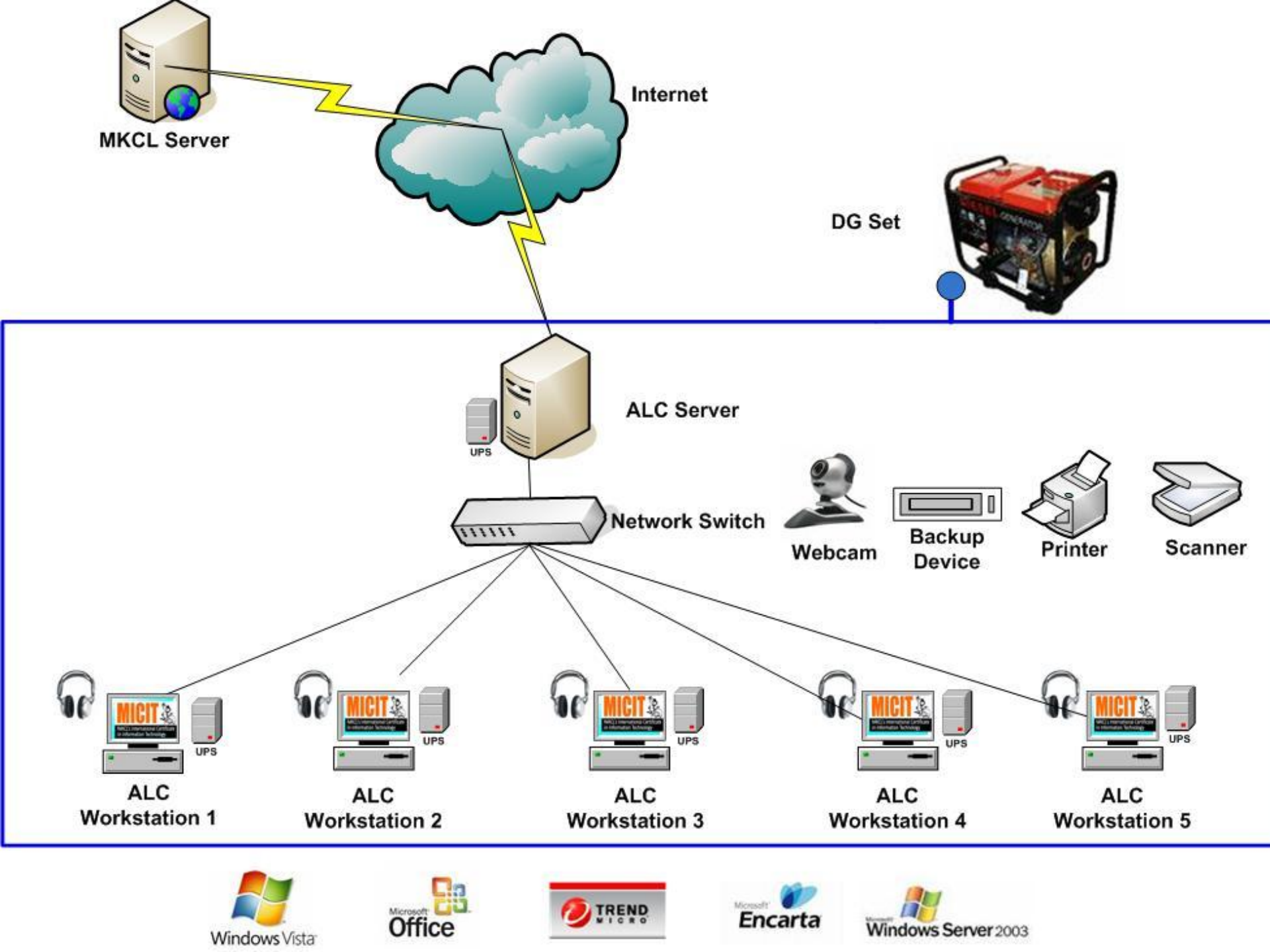
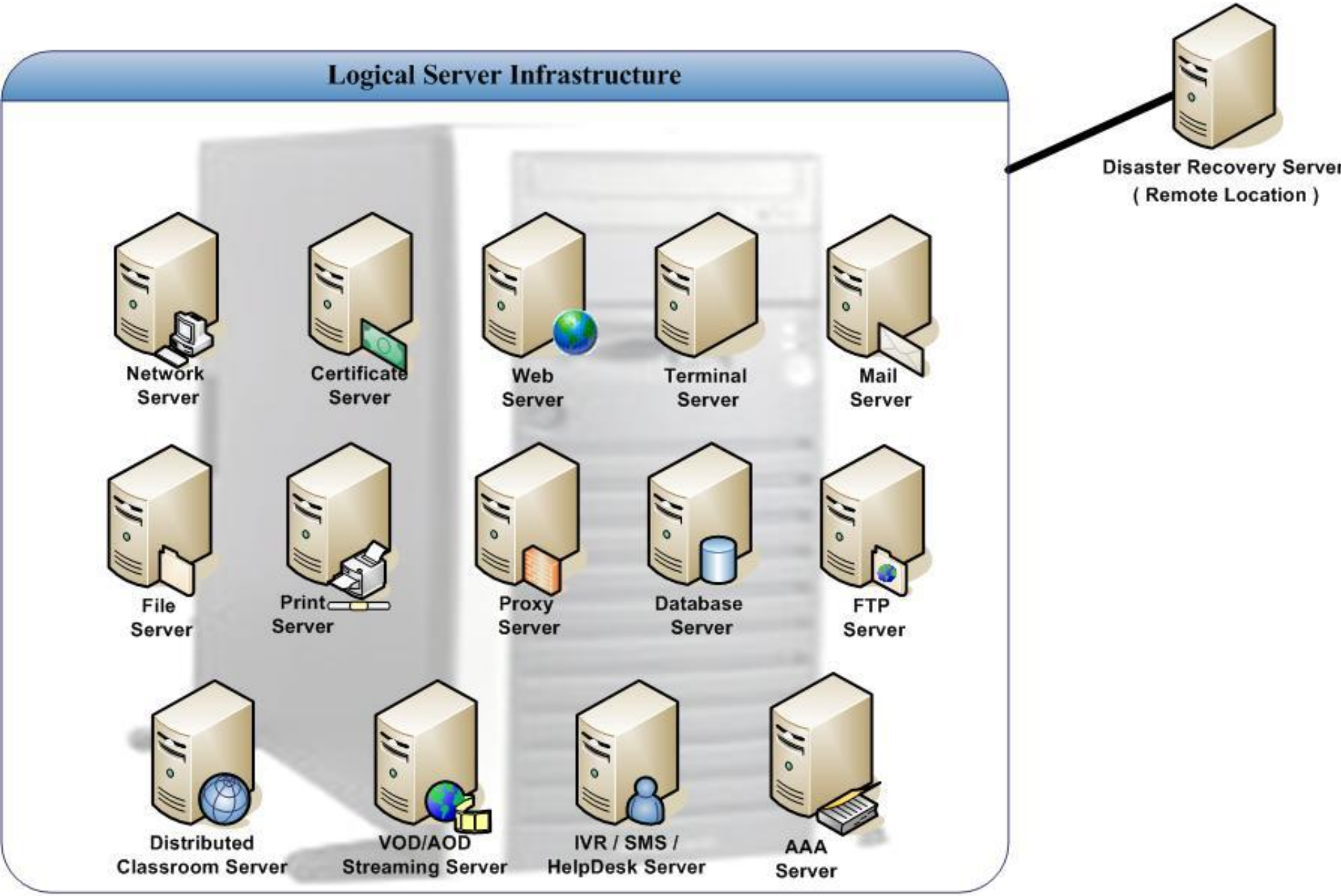



Remote Locations
Internet
Wireless Links 7 Mbps
Wireless Links 7 Mbps
Wireless Links 7 Mbps
Secondary Site
(for Disaster Recovery)
Router
4 Mbps
Local ISP
(ADSL)
1Gbps
1Gbps
1Gbps
1Gbps
Residential
premises /
Hostels
Primary Site
Backbone (1Gbps)
Offsite Data
Storage
Departments / Buildings

Basic IT Infrastructure

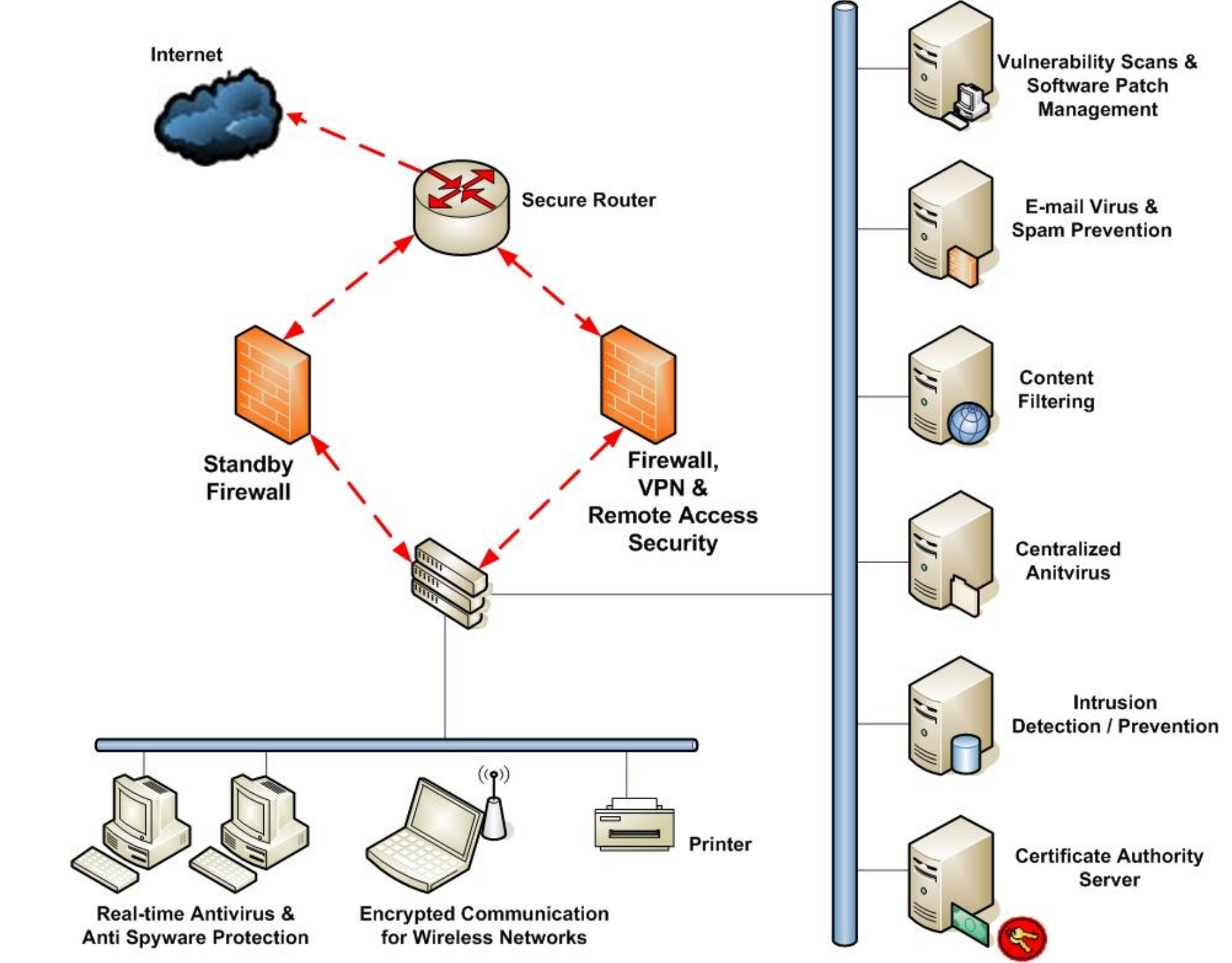
- Computing Infrastructure
  - Design of Windows 2008 Domain, File and Print Sharing
  - Selection of Computer Hardware (Desktops, Thin Clients, Servers, Peripherals etc.), Software (Server and Client Operating Systems, Application Software etc.)
  - Procurement
  - Implementation
  - Advanced Maintenance


MKCL Server
Internet
DG Set
ALC Server
UPS
Network Switch
Webcam
Backup Device
Printer
Scanner
MICIT
UPS
ALC Workstation 1
ALC Workstation 2
ALC Workstation 3
ALC Workstation 4
ALC Workstation 5
Windows Vista
Office
TREND MICRO
Encarta
Windows Server 2003


Logical Server Infrastructure
Disaster Recovery Server
(Remote Location)
Network Server
Certificate Server
Web Server
Terminal Server
Mail Server
File Server
Print Server
Proxy Server
Database Server
FTP Server
Distributed Classroom Server
VOD/AOD Streaming Server
IVR / SMS / HelpDesk Server
AAA Server

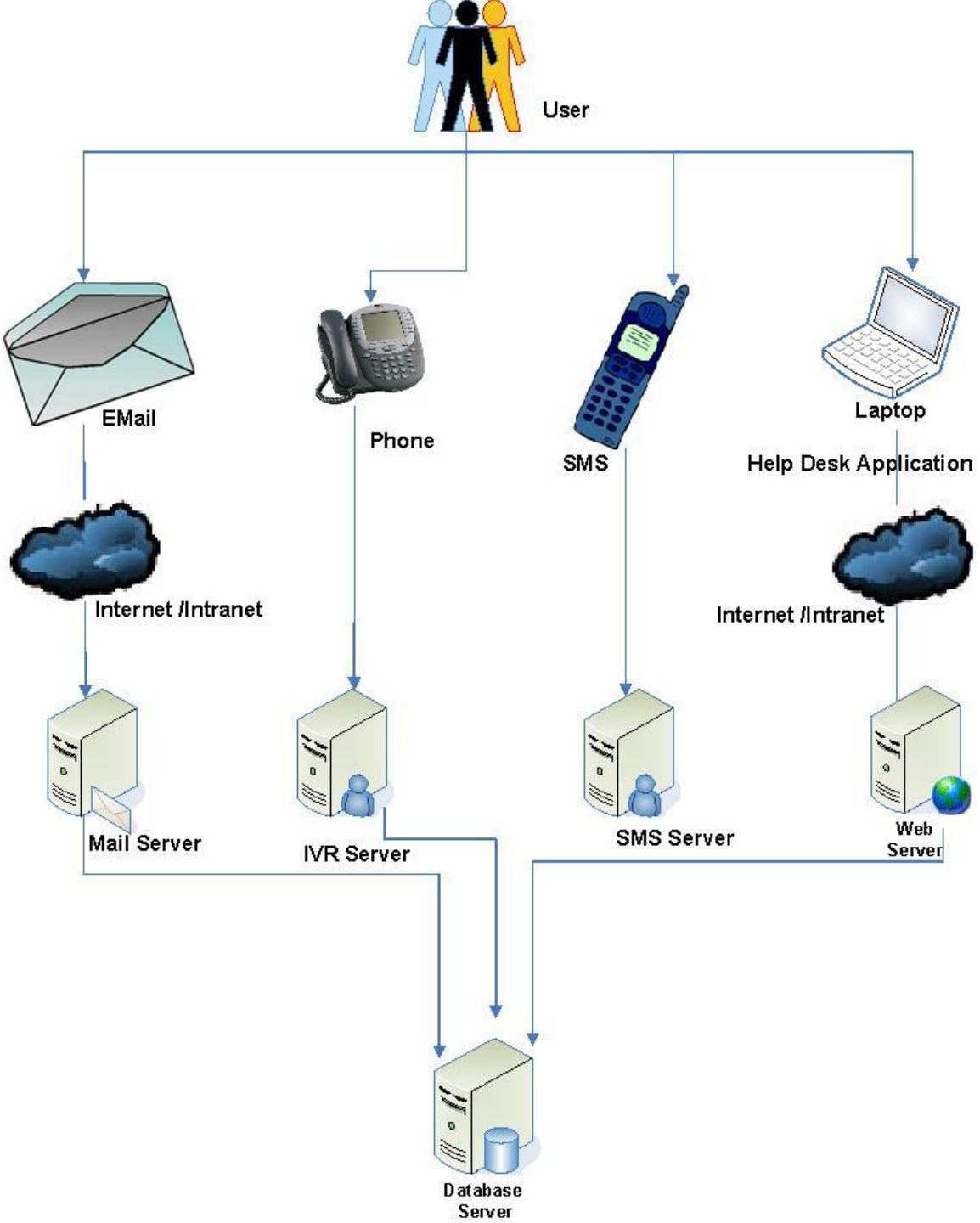
Basic IT Infrastructure

- Security Infrastructure
  - Network Infrastructure Security
  - Vulnerability Assessment and Penetration Testing
  - VPN Management
  - Enterprise Security Policy Solutions
  - Digital Signatures, Smart Cards, ePurse etc.


Internet
Secure Router
Standby Firewall
Firewall, VPN & Remote Access Security
Vulnerability Scans & Software Patch Management
E-mail Virus & Spam Prevention
Content Filtering
Centralized Anitvirus
Intrusion Detection / Prevention
Certificate Authority Server
Printer
Real-time Antivirus & Anti Spyware Protection
Encrypted Communication for Wireless Networks

Basic IT Infrastructure

- Expert Manpower
  - Helpdesk Software
  - Asset Management
  - Vendor Interaction
  - Support through
    - Resident engineers
    - Email
    - Interactive Voice Response Service (IVRS)
    - SMS
    - Remote Desktop

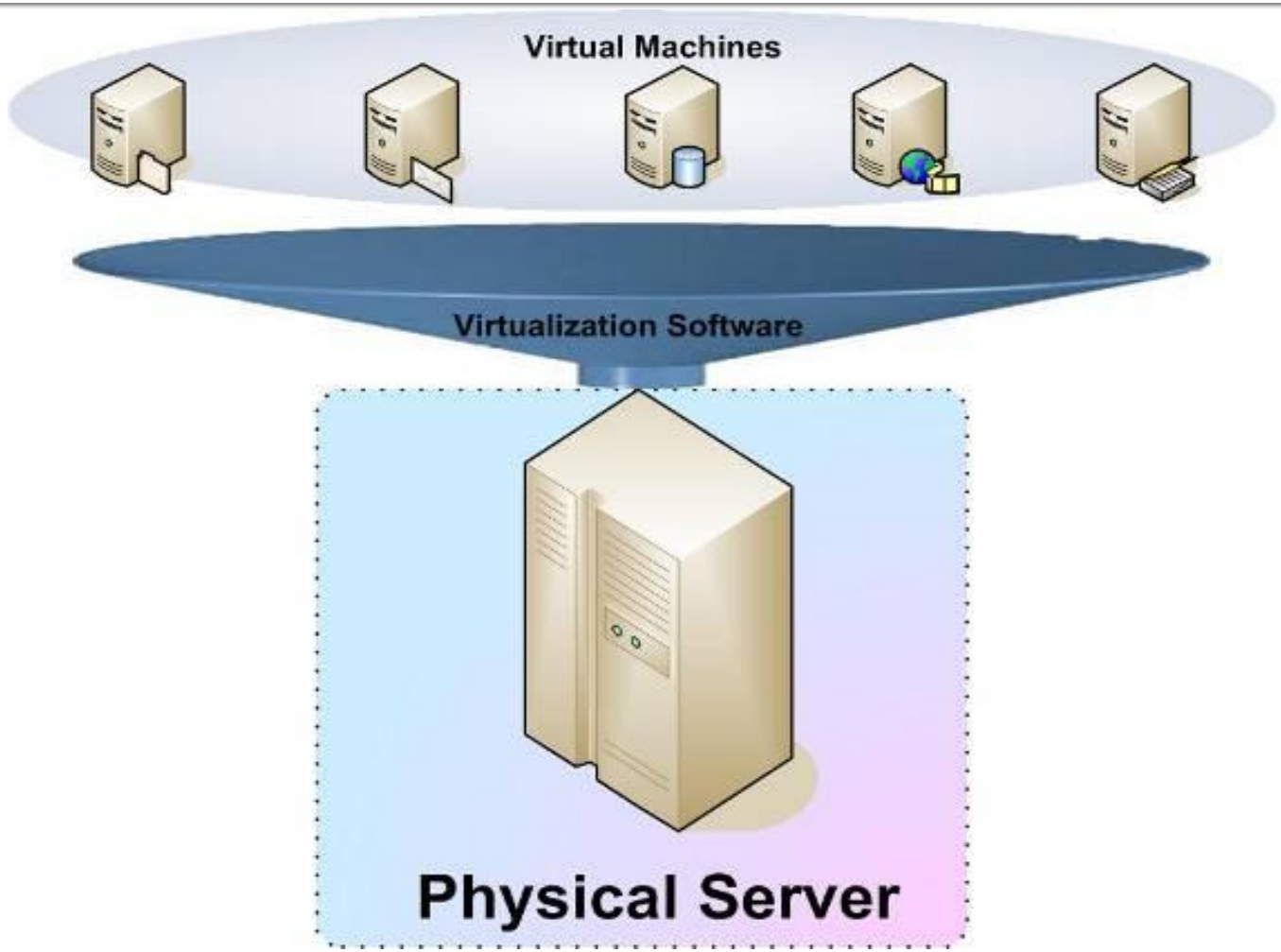

User
EMail
Phone
SMS
Laptop
Help Desk Application
Internet /Intranet
Internet /Intranet
Mail Server
IVR Server
SMS Server
Web Server
Database Server

Web / Database Hosting

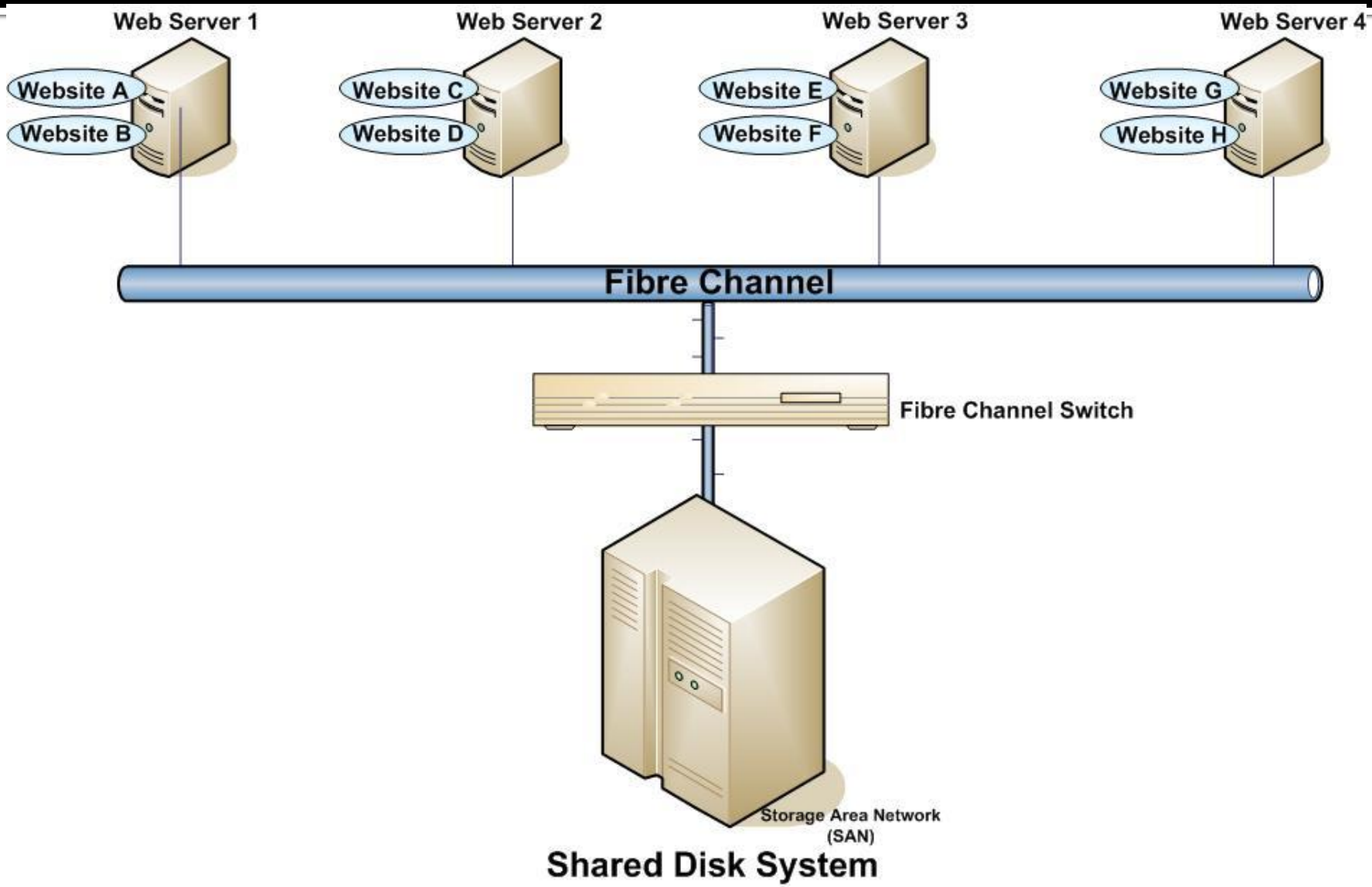
Web / Database Hosting

- Purchase and renewal of domain names
- Design, Implementation and Maintenance of Web / Database Servers
  - Microsoft IIS / Apache Web server support
  - Oracle / Microsoft SQL Server / MySQL Database Administration
  - Server Virtualization, Load Balancing and Clustering
  - Performance Tuning and Monitoring
  - Backup and Disaster Recovery Solutions

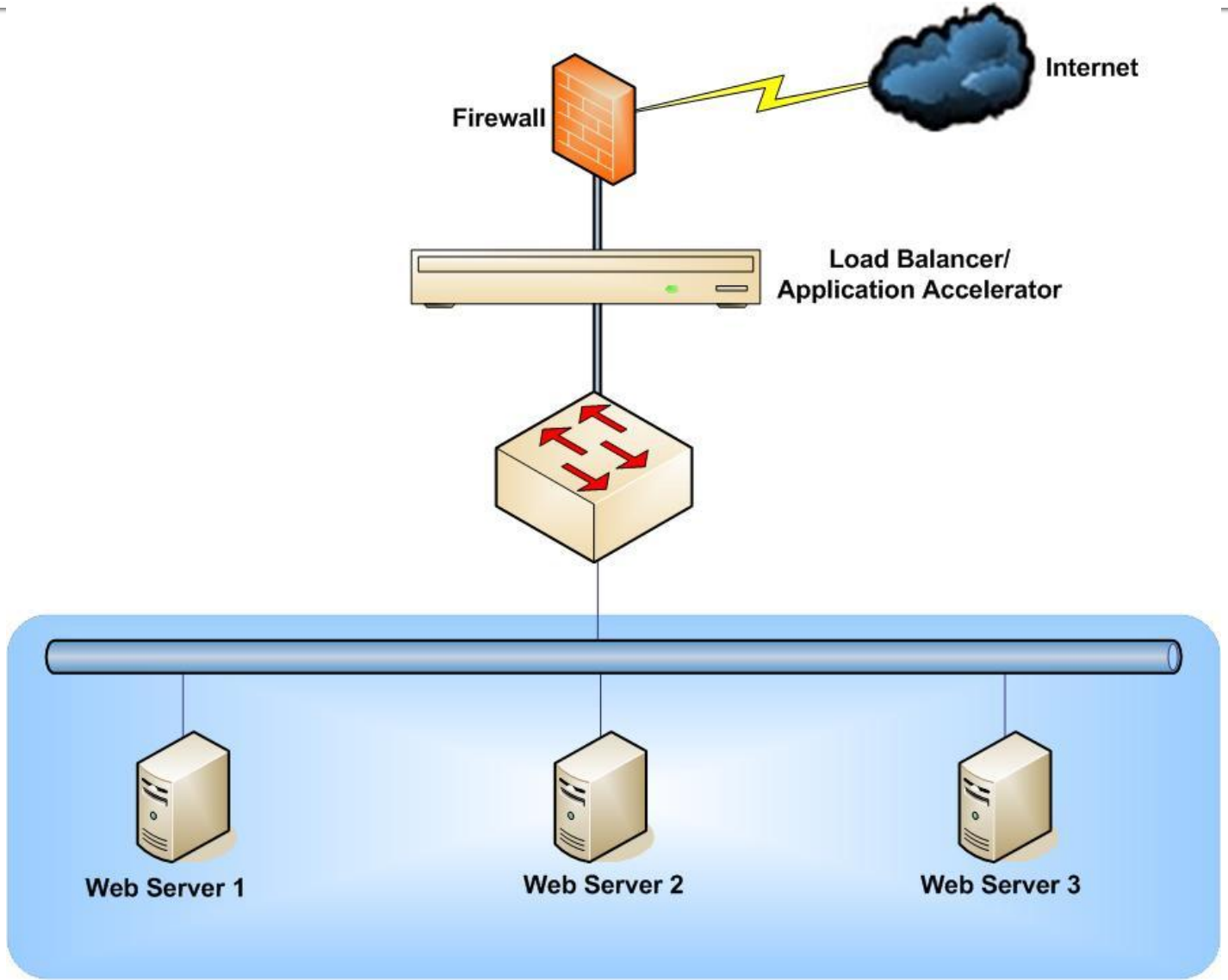
Server Virtualization



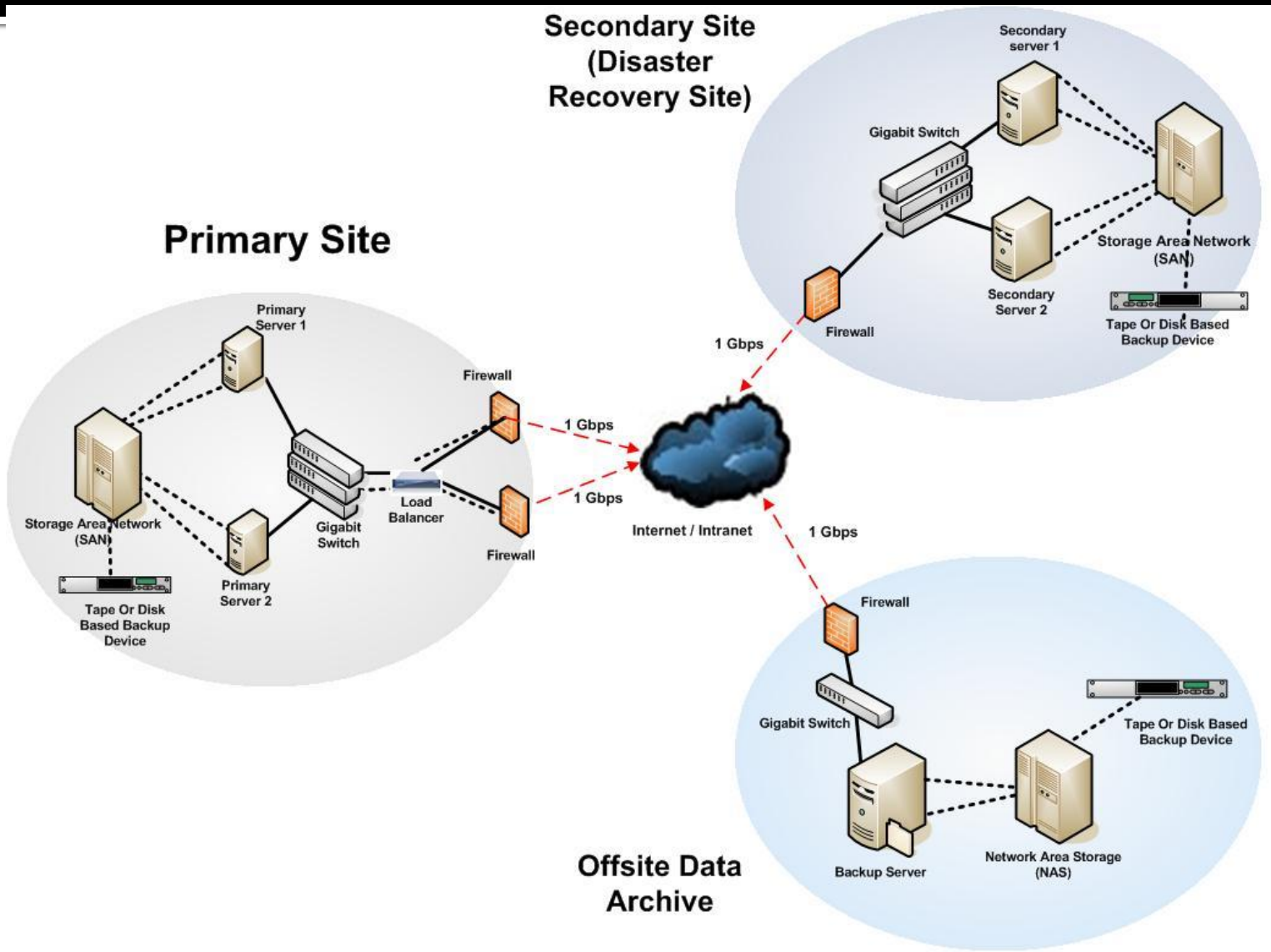
Server Clustering



Server Load Balancing



Disaster Recovery



Distributed Classroom

Distributed Classrooms

- Evaluation, Design, Implementation and Management of Distributed Classrooms
  - Webcasts
  - Narrow band Audio / Data Conferencing Solution
  - Multipoint Video Conferencing Solution
  - Studio Design and Implementation
  - Live Recording and Archival of Lectures

Webcasts

Webcasts

- One way Audio, Video and Data
- Live and recorded sessions
- Ideal for huge number of viewers
- Very low cost

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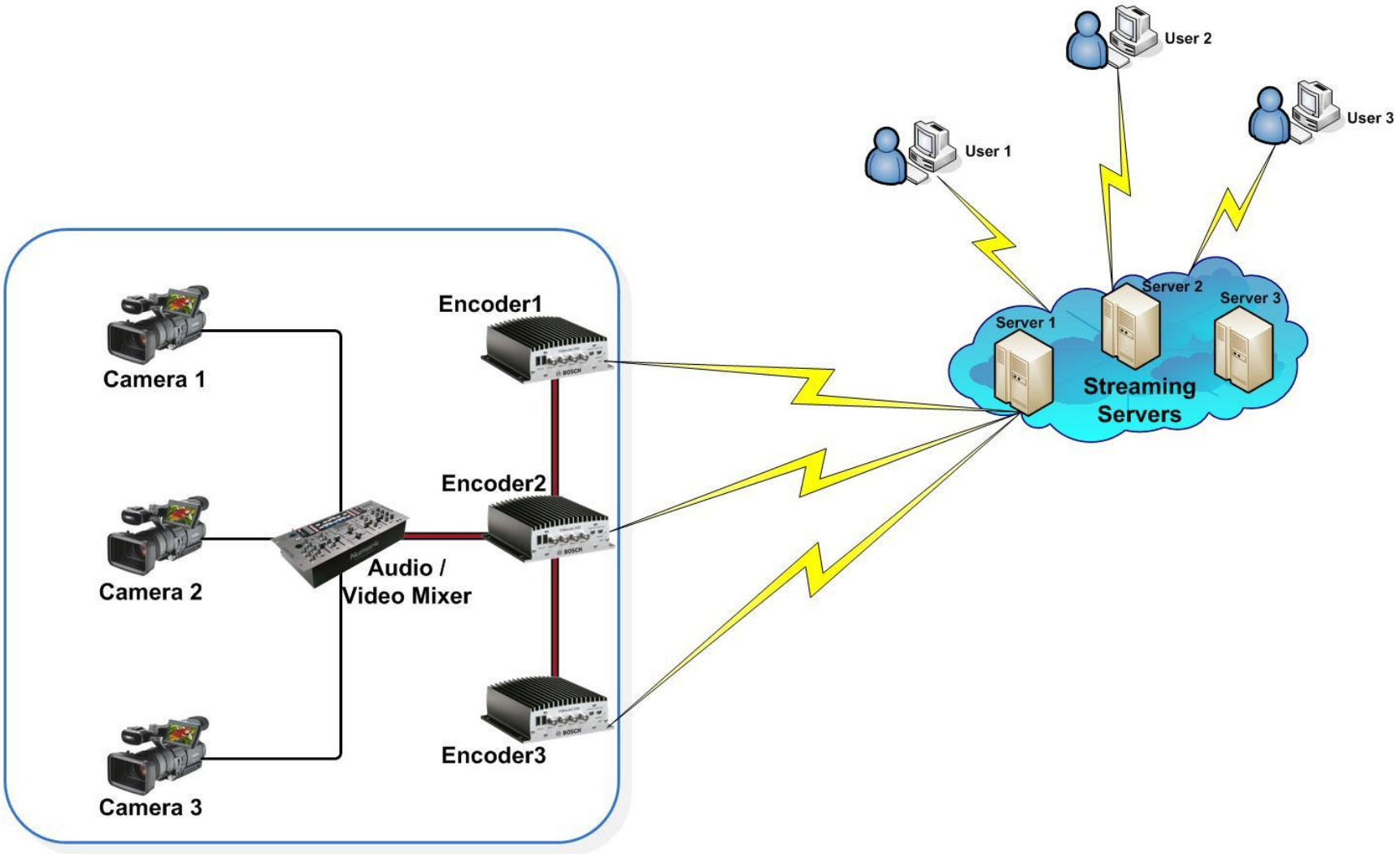
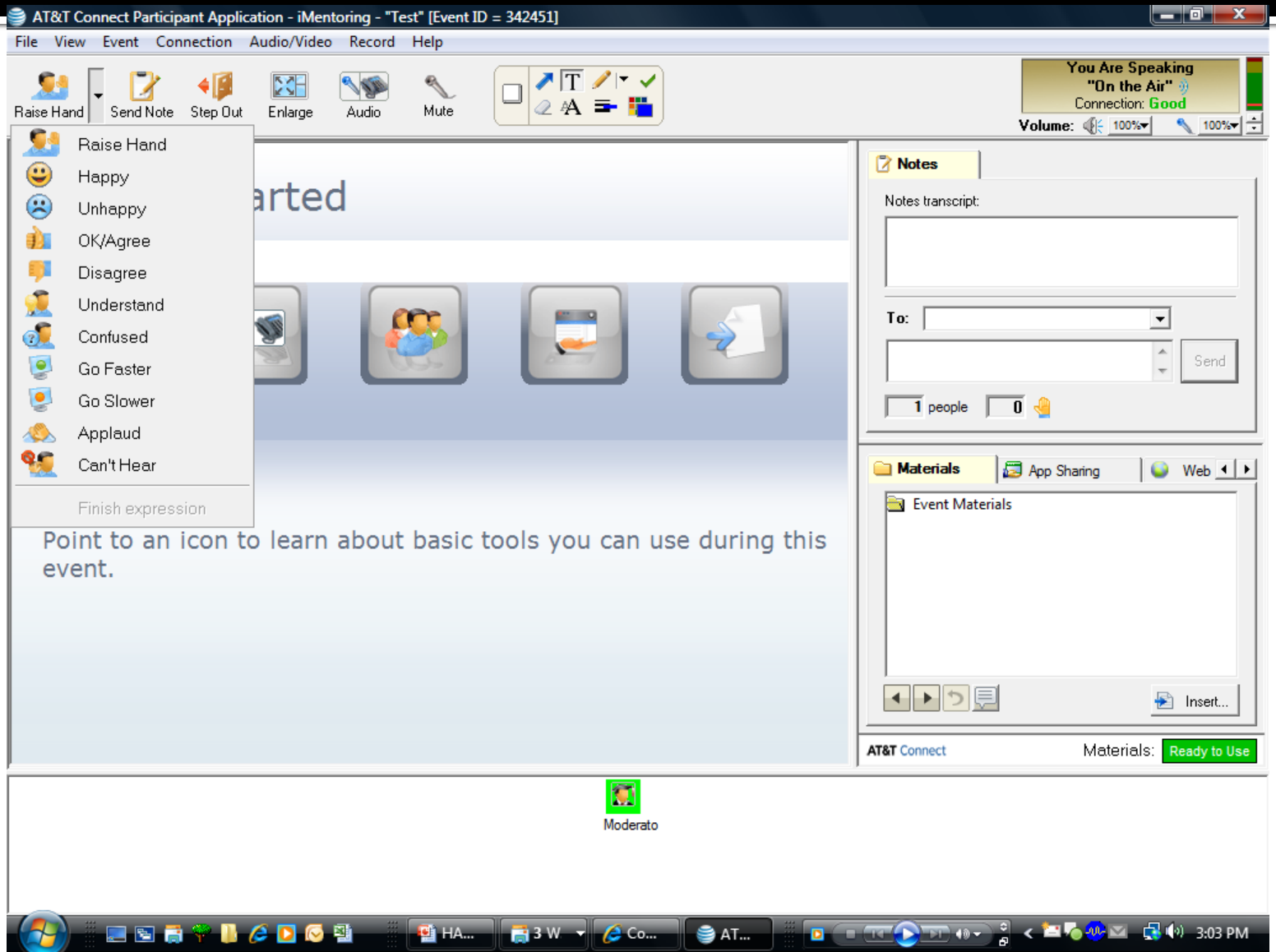


Webcast Setup

MKCL
८३ वे अखिल भारतीय मराठी साहित्य संमेलन
Click Here For English Version
८३ वे अखिल भारतीय मराठी साहित्य संमेलन २०१०, पुणे
USTREAM
Maharashtra State Certificate in Information Technology
MS-CIT

Two-Way Audio and Data Solutions

AT&T Connect (Interwise)



Test

File Edit View Tools Message Help

Reply Reply All Forward

From: Moderator MKCL <interwise@mkcl.org>;
Date: Tuesday, June 17, 2008 3:02 PM
To: dannyn@mkcl.org <dannyn@mkcl.org>;
Subject: Test
Attach: InterWiseEvent.vcs (2.10 KB)

Dear Danny Nagdev,

You are invited to attend an AT&T Connect online iMentoring, 'Test', on 6/17/2008 (mm/dd/yyyy) at 3:01 PM (GMT+5:30). (See this time in your time zone)

To join the iMentoring, follow the instructions below.
NOTE: This invitation is for you only, please DO NOT SHARE IT with others.

Looking forward to seeing you in the iMentoring,
Moderator MKCL

COMMENTS/AGENDA:
==========

TO CONNECT WITH YOUR COMPUTER:
==========
Click here a few minutes before the Event's scheduled start time.

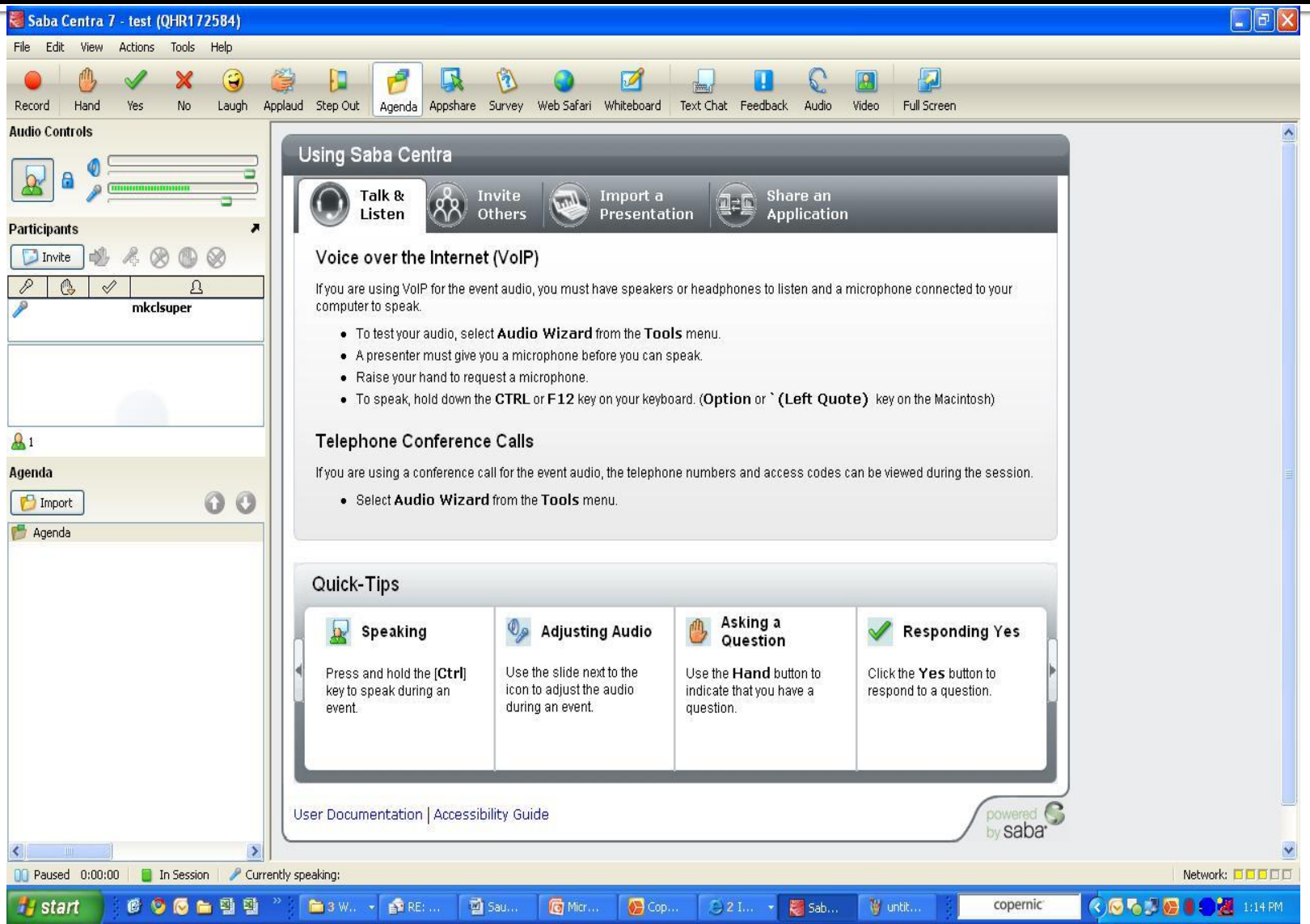
After your computer has finished connecting, select the 'Use Headset...' option (if available) to listen and speak through your computer headset/microphone.

PREPARING YOUR COMPUTER IN ADVANCE:
==========
Never used AT&T Connect before? Click here to setup your computer before the Event. Or you can just let your computer setup automatically when it enters the Event (allow some extra time for the setup).

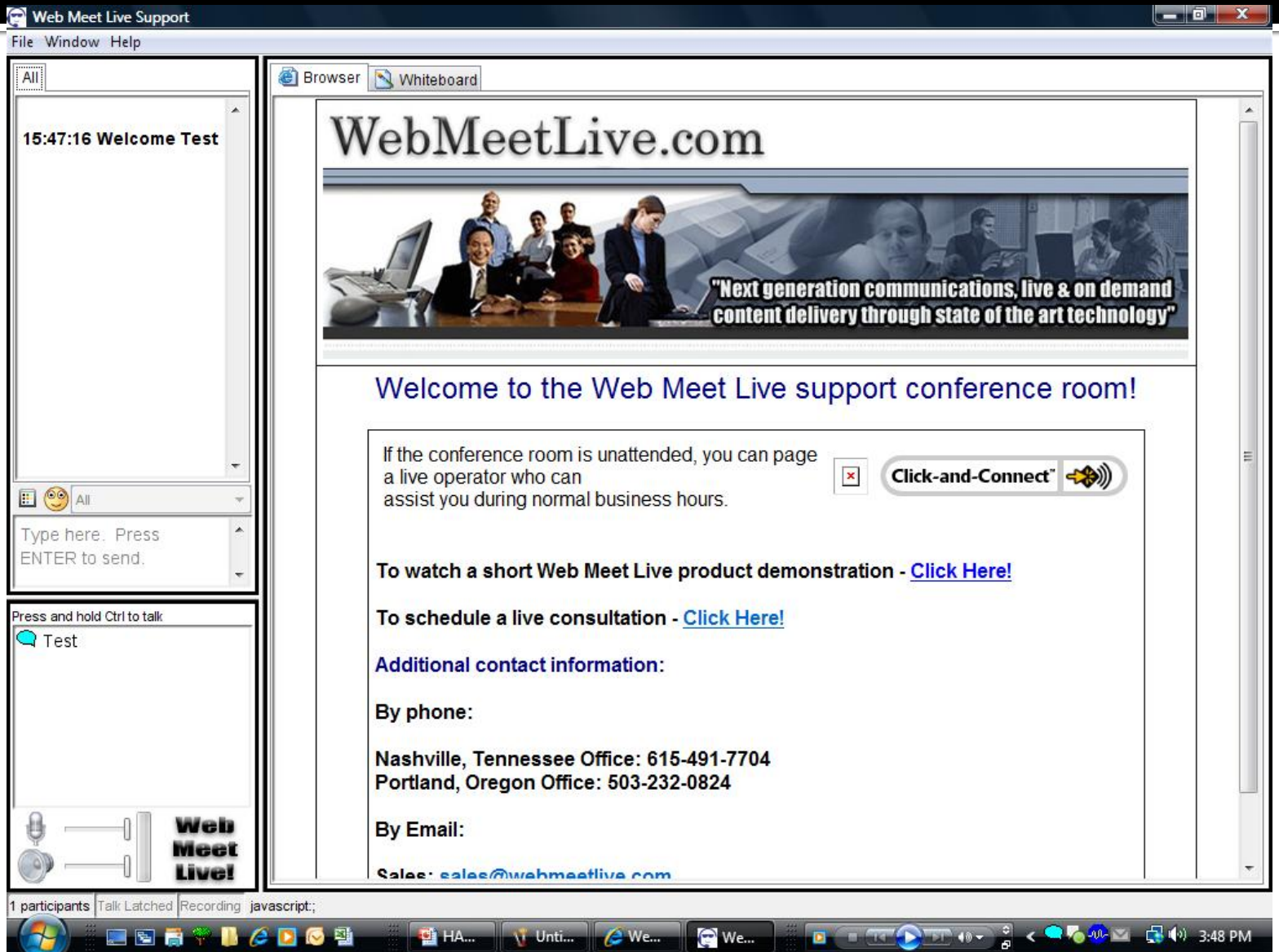
Powered by: AT&T Connect

HARDWA... 4 Wind... Commun... 3:06 PM

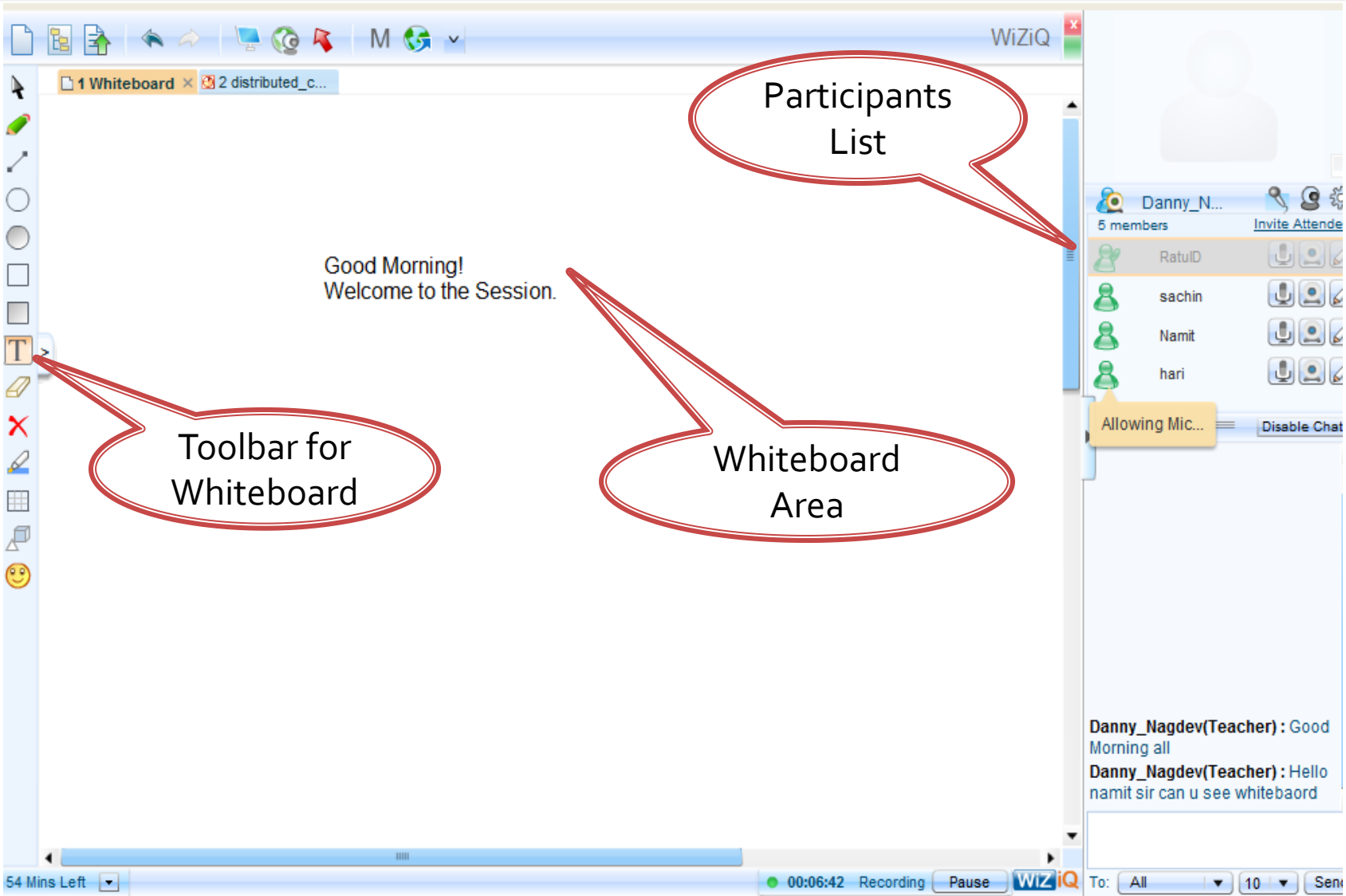
Saba Centra


Saba Centra 7 - test (QHR172584)
File Edit View Actions Tools Help
Record Hand Yes No Laugh Applaud Step Out Agenda Appshare Survey Web Safari Whiteboard Text Chat Feedback Audio Video Full Screen
Audio Controls
Participants
Invite
mkclsuper
Agenda
Import
Agenda
Using Saba Centra
Talk & Listen
Invite Others
Import a Presentation
Share an Application
Voice over the Internet (VoIP)
If you are using VoIP for the event audio, you must have speakers or headphones to listen and a microphone connected to your computer to speak.
To test your audio, select Audio Wizard from the Tools menu.
A presenter must give you a microphone before you can speak.
Raise your hand to request a microphone.
To speak, hold down the CTRL or F12 key on your keyboard. (Option or ` (Left Quote) key on the Macintosh)
Telephone Conference Calls
If you are using a conference call for the event audio, the telephone numbers and access codes can be viewed during the session.
Select Audio Wizard from the Tools menu.
Quick-Tips
Speaking
Press and hold the [Ctrl] key to speak during an event.
Adjusting Audio
Use the slide next to the icon to adjust the audio during an event.
Asking a Question
Use the Hand button to indicate that you have a question.
Responding Yes
Click the Yes button to respond to a question.
User Documentation | Accessibility Guide
powered by saba
Paused 0:00:00
In Session
Currently speaking:
Network:
start
1:14 PM

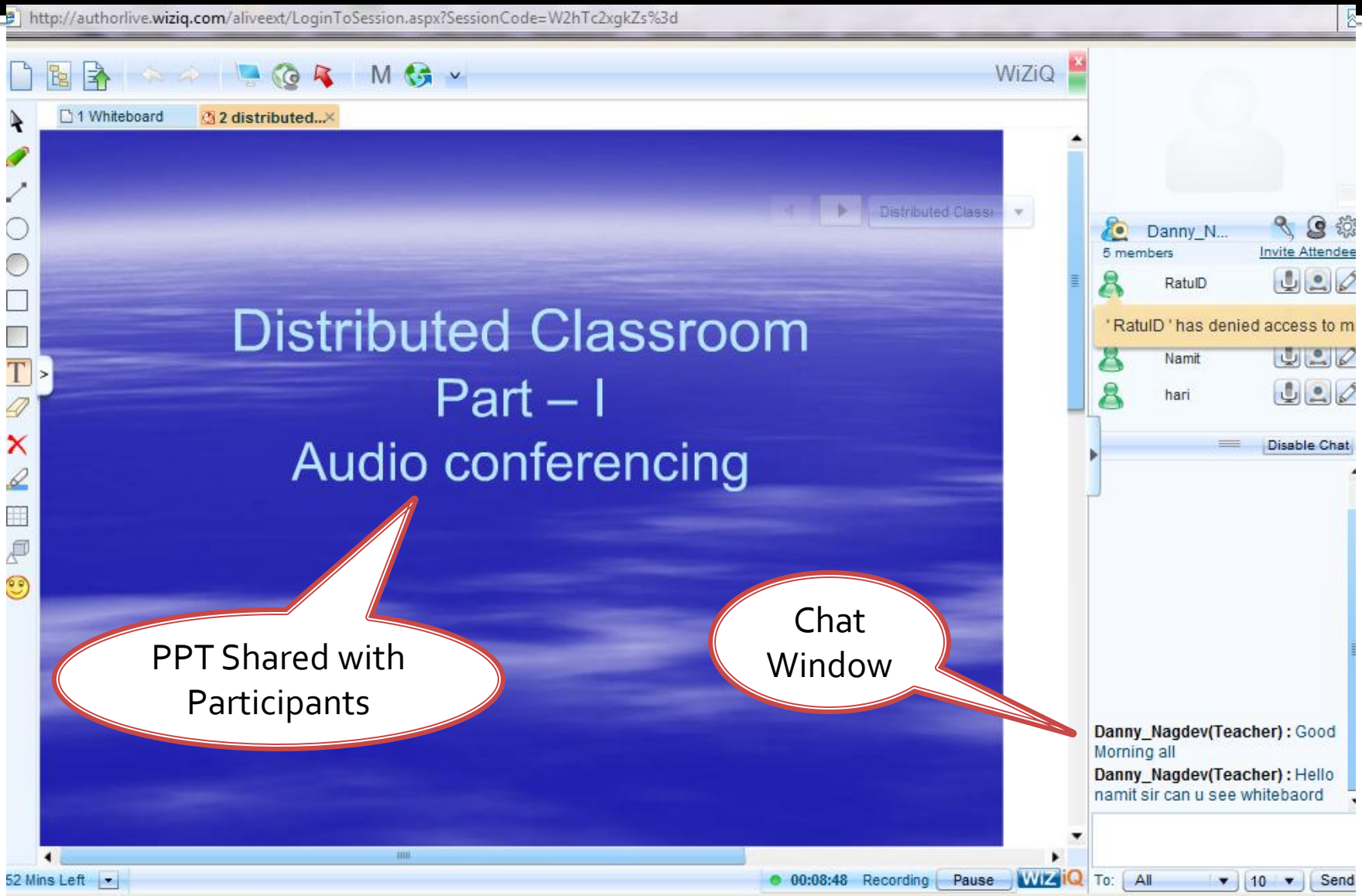
WebMeetLive



WiZiQ

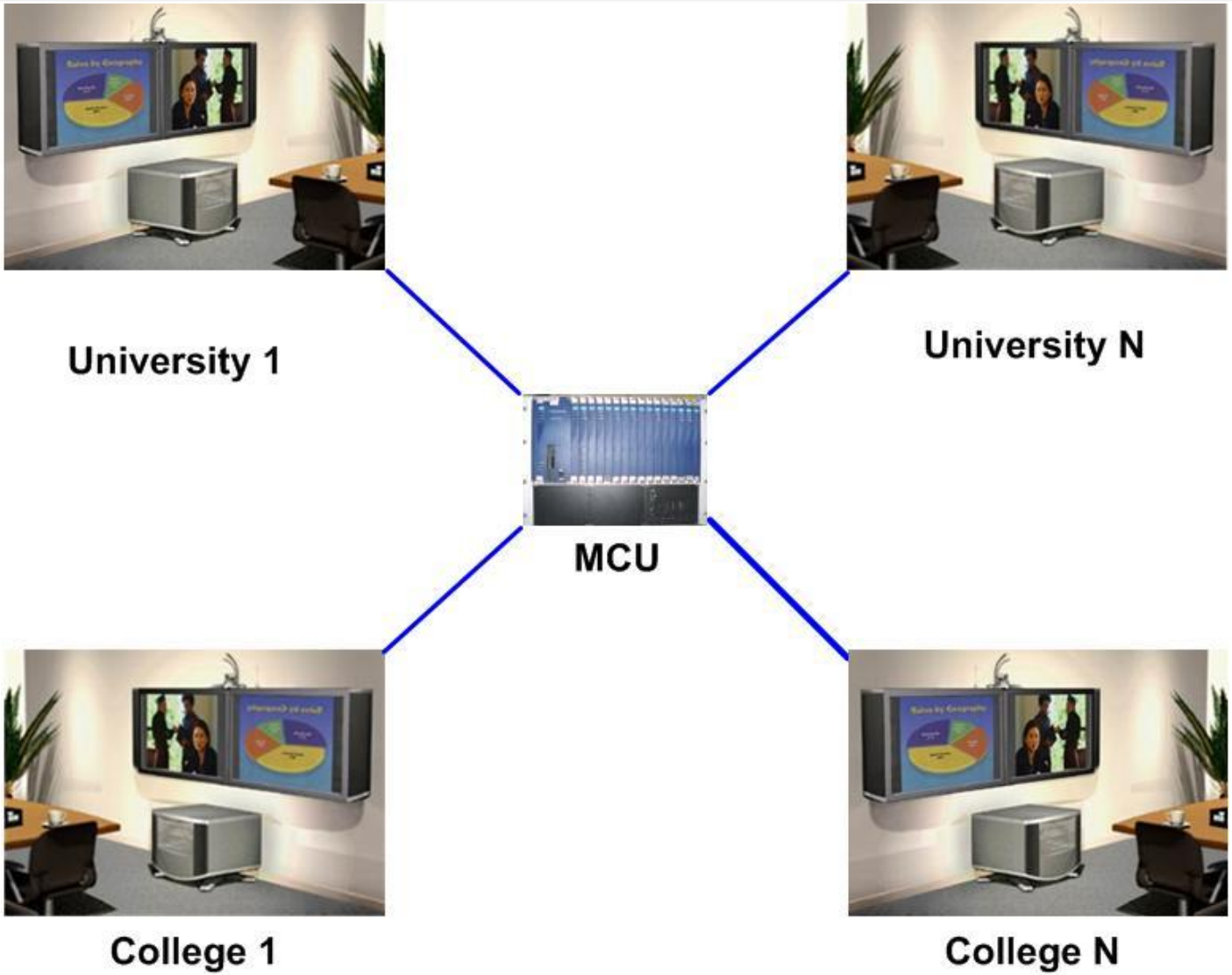

WiZiQ
1 Whiteboard
2 distributed_c...
Participants List
Good Morning!
Welcome to the Session.
Toolbar for Whiteboard
Whiteboard Area
Danny_N...
5 members
Invite Attende
RatulD
sachin
Namit
hari
Allowing Mic...
Disable Chat
Danny_Nagdev(Teacher) : Good Morning all
Danny_Nagdev(Teacher) : Hello namit sir can u see whitebaord
54 Mins Left
00:06:42 Recording
Pause
To: All
10

WiZiQ - Application sharing

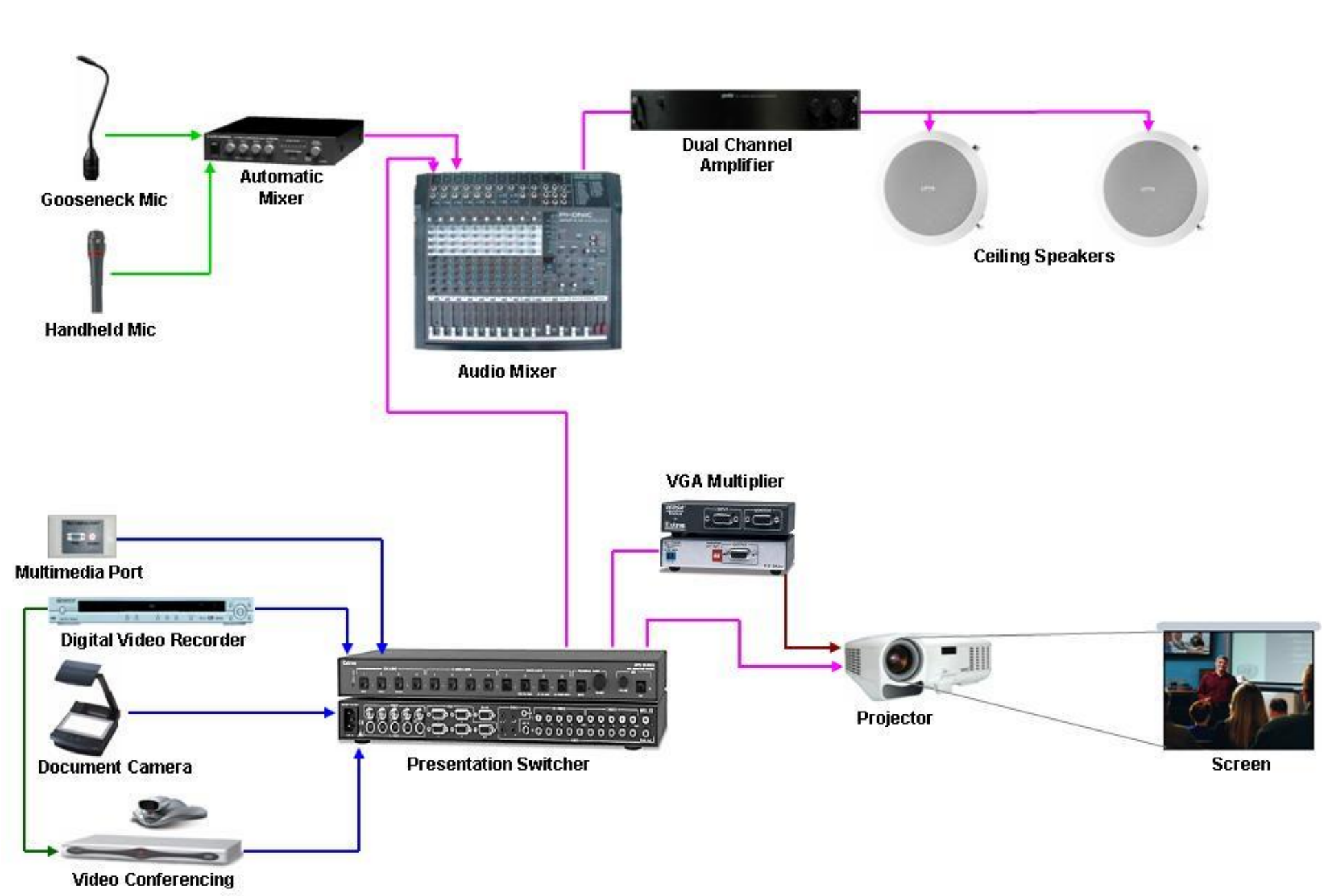


Two-Way Audio, Video and Data Solution

Polycom



Adobe Connect


Gooseneck Mic
Automatic Mixer
Handheld Mic
Audio Mixer
Dual Channel Amplifier
Ceiling Speakers
VGA Multiplier
Multimedia Port
Digital Video Recorder
Document Camera
Video Conferencing
Presentation Switcher
Projector
Screen

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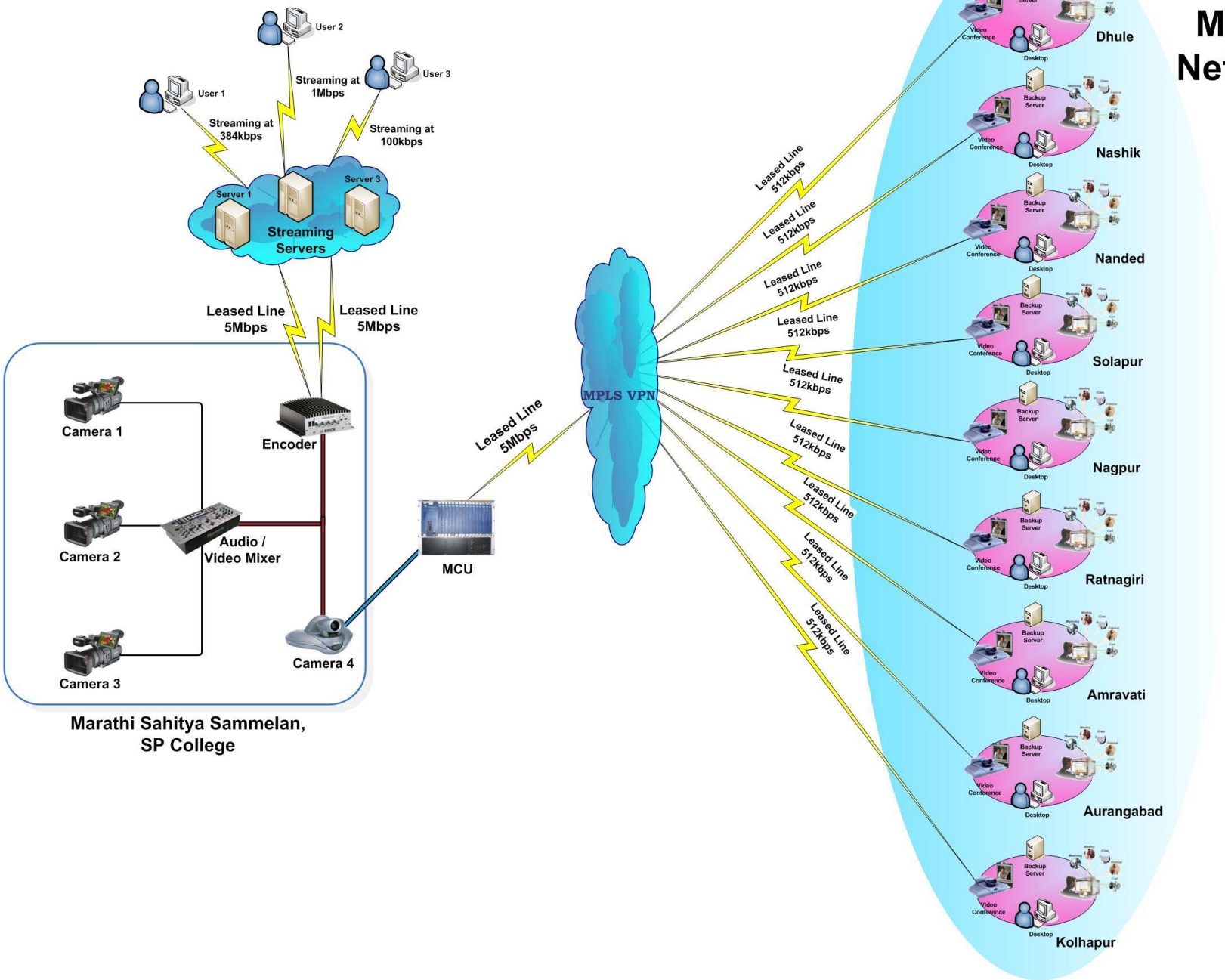
MKCL Network



Marathi Sahitya Sammelan,
SP College

SMS Gateways

SMS Gateways

- Bulk Push
- Pull Services
- Scheduled SMSs
- Multiple SMS Gateway Integration

Products / Solutions

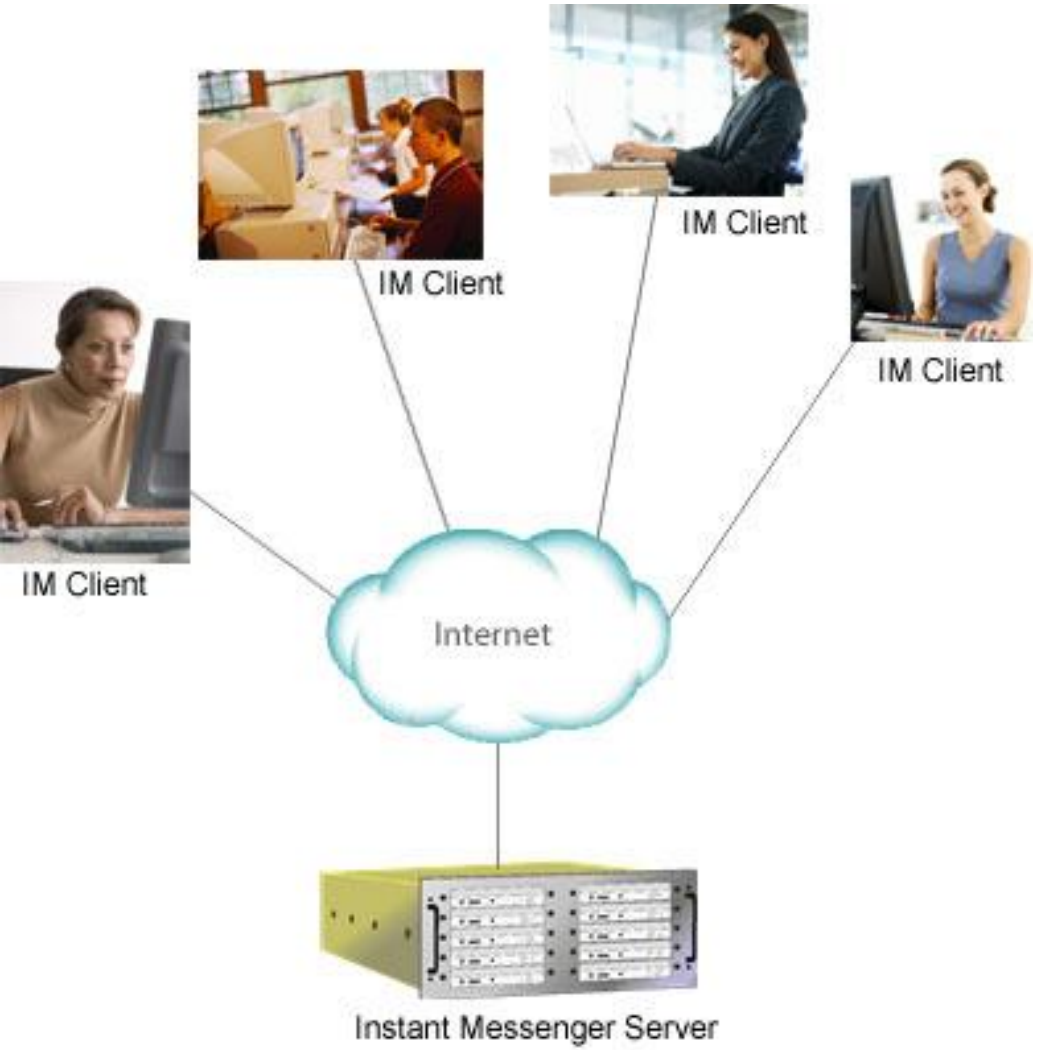
Products / Solutions

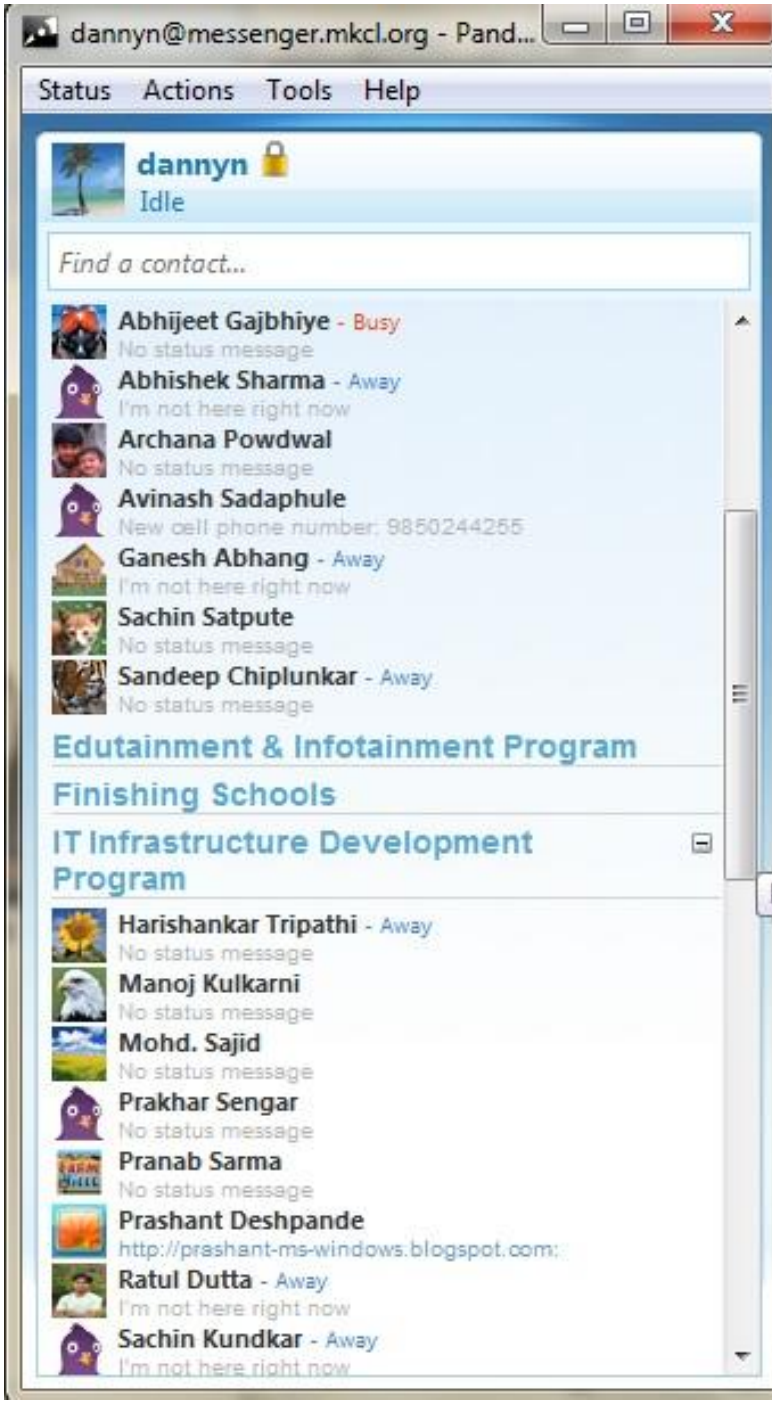
- Corporate Messenger and Email
- Blogs and Wikis
- Local and Remote Asset Inventory
- Geographical Information Systems (GIS)
- Employee Time Sheet Application
- IP Based Video Surveillance
- Auto Installers

Corporate Messenger and Email

Corporate Messenger and Email

- Single Messenger for all employees
- User / Group (Department-wise) creation
- Active Directory Integration
- Open Standards


IM Client
IM Client
IM Client
IM Client
IM Client
Internet
Instant Messenger Server


dannyn@messenger.mkcl.org - Pand...
Status
Actions
Tools
Help
dannyn
Idle
Find a contact...
Abhijeet Gajbhiye - Busy
No status message
Abhishek Sharma - Away
I'm not here right now
Archana Powdwal
No status message
Avinash Sadaphule
New cell phone number: 9850244255
Ganesh Abhang - Away
I'm not here right now
Sachin Satpute
No status message
Sandeep Chiplunkar - Away
No status message
Edutainment & Infotainment Program
Finishing Schools
IT Infrastructure Development Program
Harishankar Tripathi - Away
No status message
Manoj Kulkarni
No status message
Mohd. Sajid
No status message
Prakhar Sengar
No status message
Pranab Sarma
No status message
Prashant Deshpande
http://prashant-ms-windows.blogspot.com/
Ratul Dutta - Away
I'm not here right now
Sachin Kundkar - Away
I'm not here right now

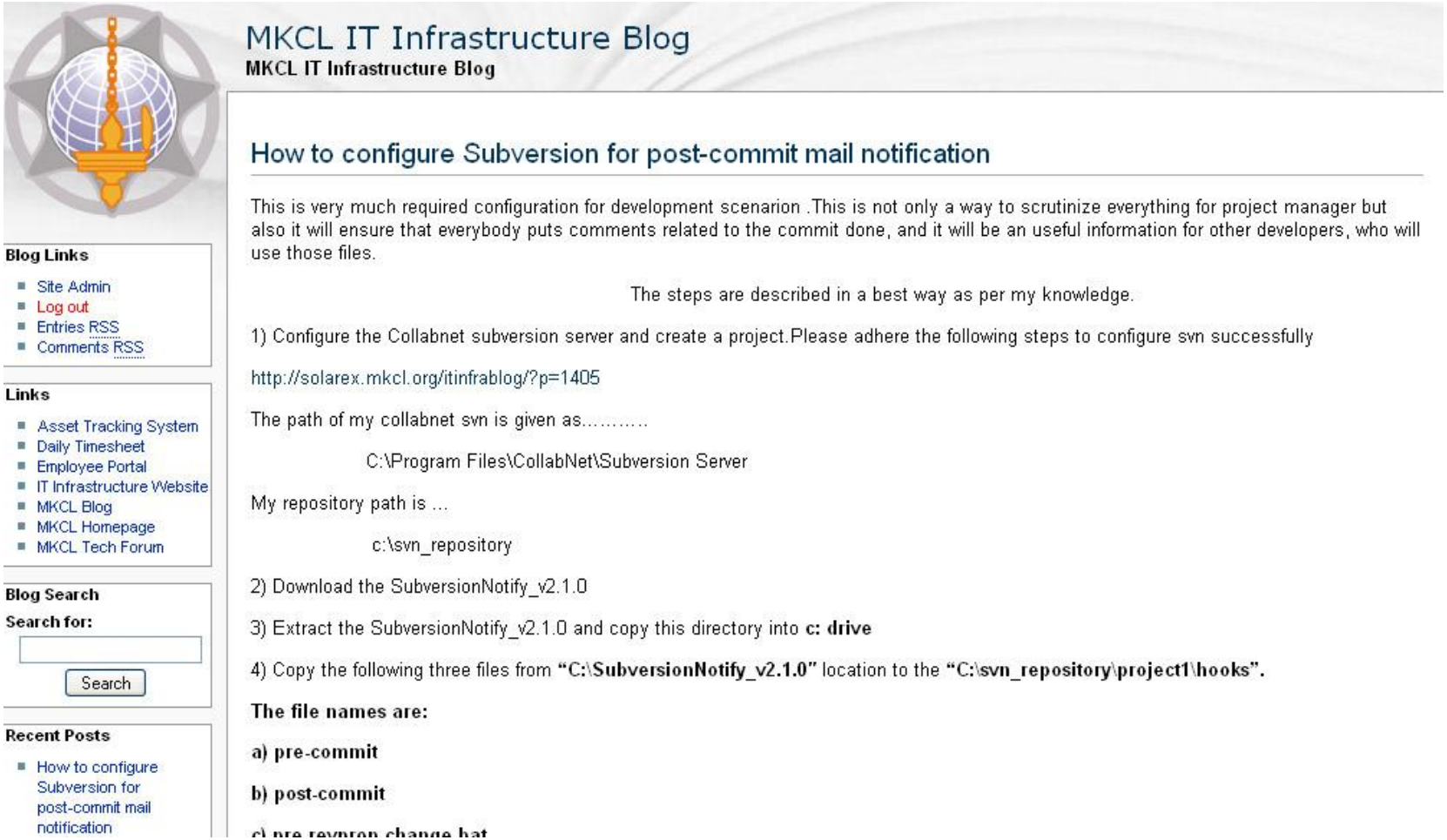
Blogs and Wikis

Blogs and Wikis

- Easy Collaboration
- Active Directory Integration
- Open Standards

Blog application

Blog for IT Infrastructure Team



MKCL IT Infrastructure Blog

MKCL IT Infrastructure Blog

Blog Links

- Site Admin
- Log out
- Entries RSS
- Comments RSS

Links

- Asset Tracking System
- Daily Timesheet
- Employee Portal
- IT Infrastructure Website
- MKCL Blog
- MKCL Homepage
- MKCL Tech Forum

Blog Search

Search for:

Search

Recent Posts

- How to configure Subversion for post-commit mail notification

How to configure Subversion for post-commit mail notification

This is very much required configuration for development scenarion .This is not only a way to scrutinize everything for project manager but also it will ensure that everybody puts comments related to the commit done, and it will be an useful information for other developers, who will use those files.

The steps are described in a best way as per my knowledge.

1) Configure the Collabnet subversion server and create a project.Please adhere the following steps to configure svn successfully

http://solarex.mkcl.org/itinfrablog/?p=1405

The path of my collabnet svn is given as.....

C:\Program Files\CollabNet\Subversion Server

My repository path is ...

c:\svn_repository

2) Download the SubversionNotify_v2.1.0

3) Extract the SubversionNotify_v2.1.0 and copy this directory into **c: drive**

4) Copy the following three files from **"C:\SubversionNotify_v2.1.0"** location to the **"C:\svn_repository\project1\hooks".**

The file names are:

a) pre-commit

b) post-commit

c) pre-revprop-change.bat

Blog application

Blog for MKCL Tech Forum

December 1, 2009

SQL server 2008 Features (Development Prospective)

Filed under: Database, SQL Server, Software Development-.NET — Posted By: **prashantd** @ 12:27 pm

Dear All

This is my first blog for MKCL Techies and here i would be covering the features of SQL Server 2008 , kindly download following documents and explore .

In the Presentation i have tried to cover some of the new features which are useful in SQL Progarmming , which can be used to get optimum performance of SQL Server 2008

I have Presented it in our TechFourm

Download the Presentation

Download Grouping Sets example Document

Download Sparse Column example Document

I would request all the Techies to Explore SQL server 2008 and we can shift our databases to on it.

Blog Links

Log in

Entries RSS

Comments RSS

Username

Password

Log in

Lost your password?

External Links

Daily TimeSheet

Employee Portal

IT Infrastructure Blog

MKCL Blog

MKCL Homepage

MKCL Map

Recent Posts

SQL server 2008 Features (Development Prospective)

Blog application

Blog for KNIT

Blog application

Blog for Management Trainees

Blog application

Blog for Marketing

Blog application

Blog for IT Support

MKCL's IT Support Blog

MKCL's IT Support Blog

RSS

search...

Home | About

Mar 12 2010

Download link for BizClient 3.1

Category: Application Software, Biz client — Danny Nagdev @ 2:22 PM

Please click here to download BizClient

Comments (0)

Mar 11 2010

Access to Temp Directory is denied

Category: Operating System — vinaayaks @ 1:09 PM

Dear All,

Yesterday we got one issue from one of our centres in Mumbai City.Whenever the facilitator was logging with login id and password the following error was being displayed.

Blog Links

- Log in
- Lost your password?

External Links

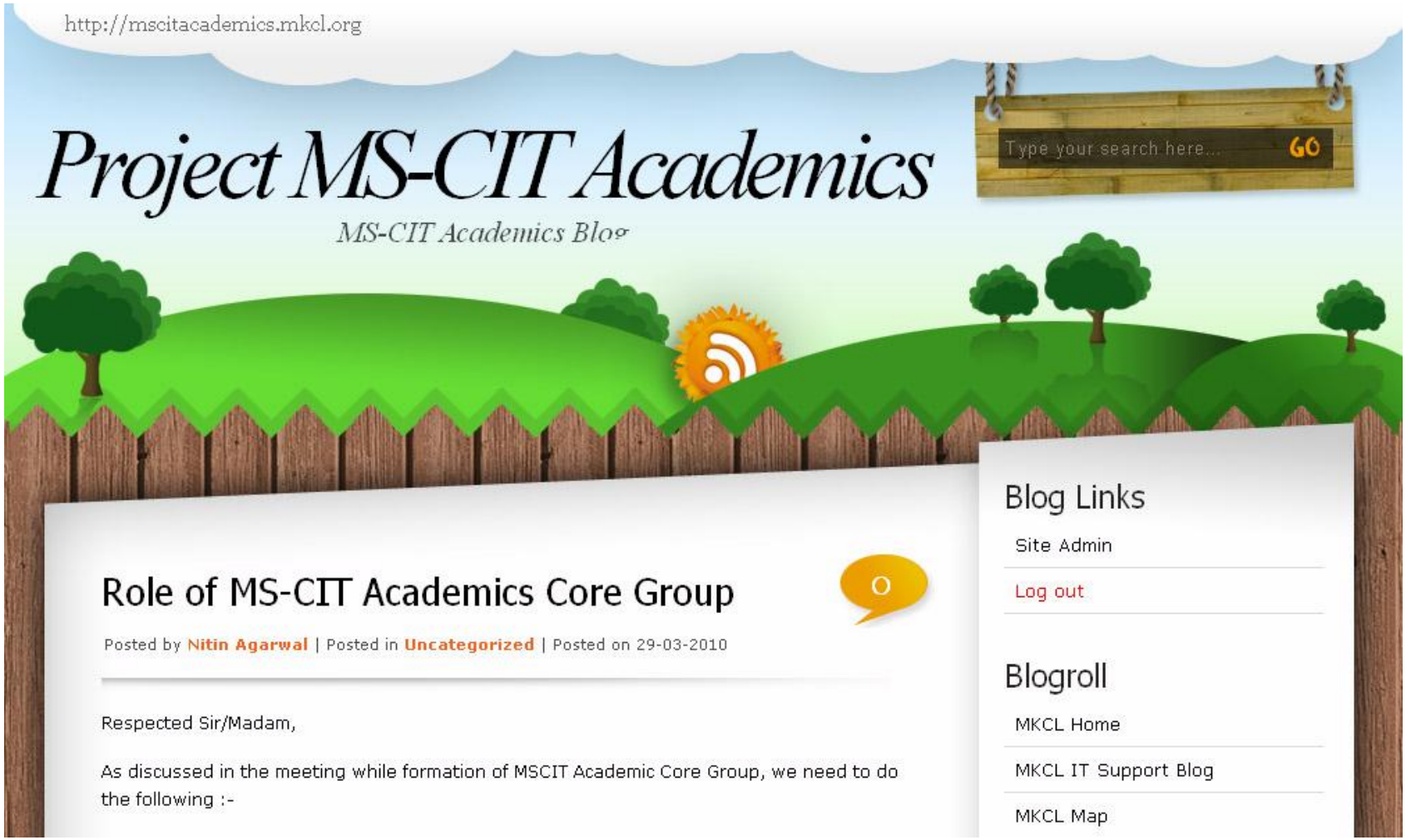
- MKCL Home
- MKCL Map
- MKCL Marketing Blog
- Solar

Latest Posts

- Download link for BizClient 3.1
- Access to Temp Directory is denied
- Error message "MidTerm Examinations will be made available according to schedule"
- Issue-Server error in

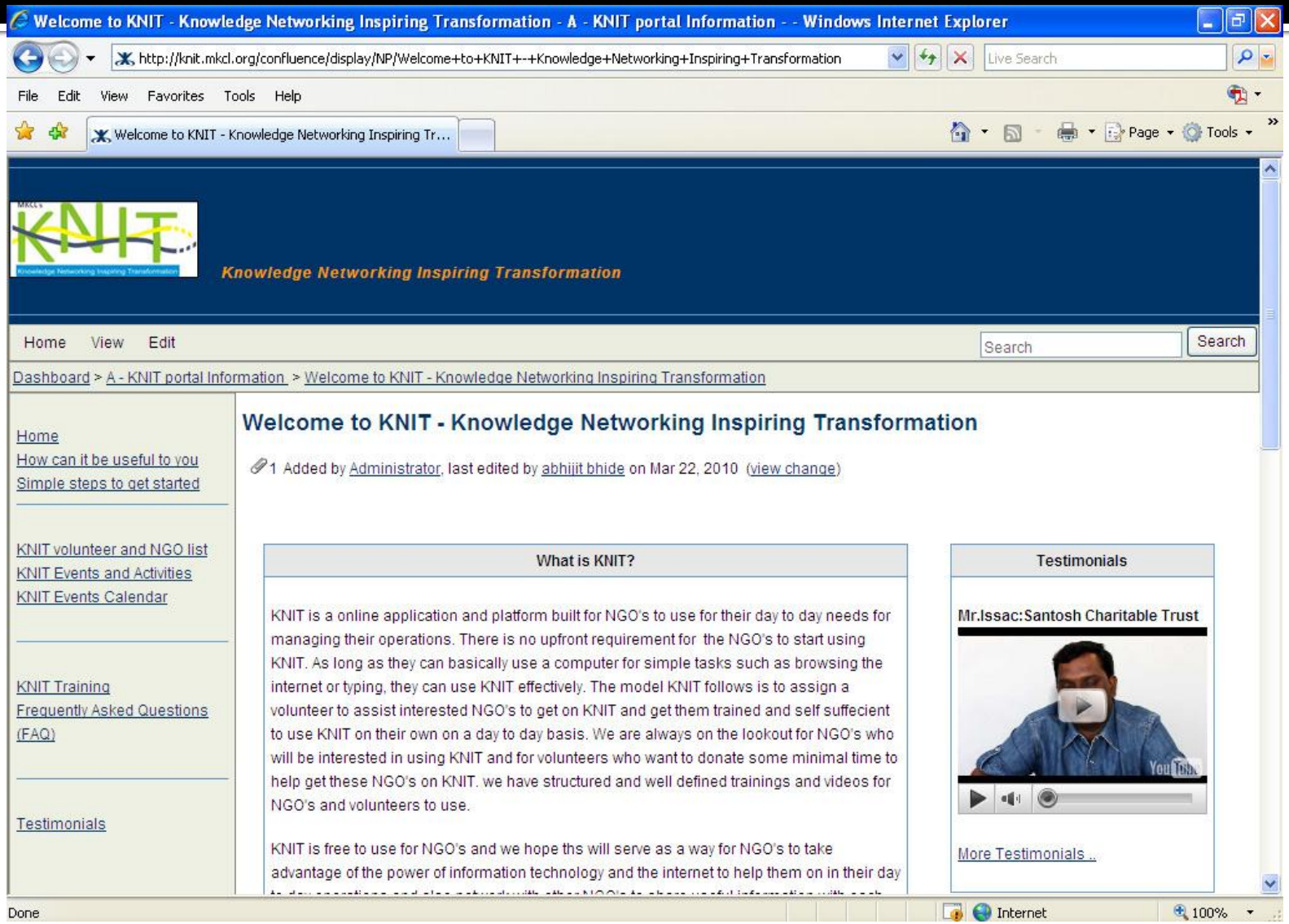
Blog application

Blog for MS-CIT Academics



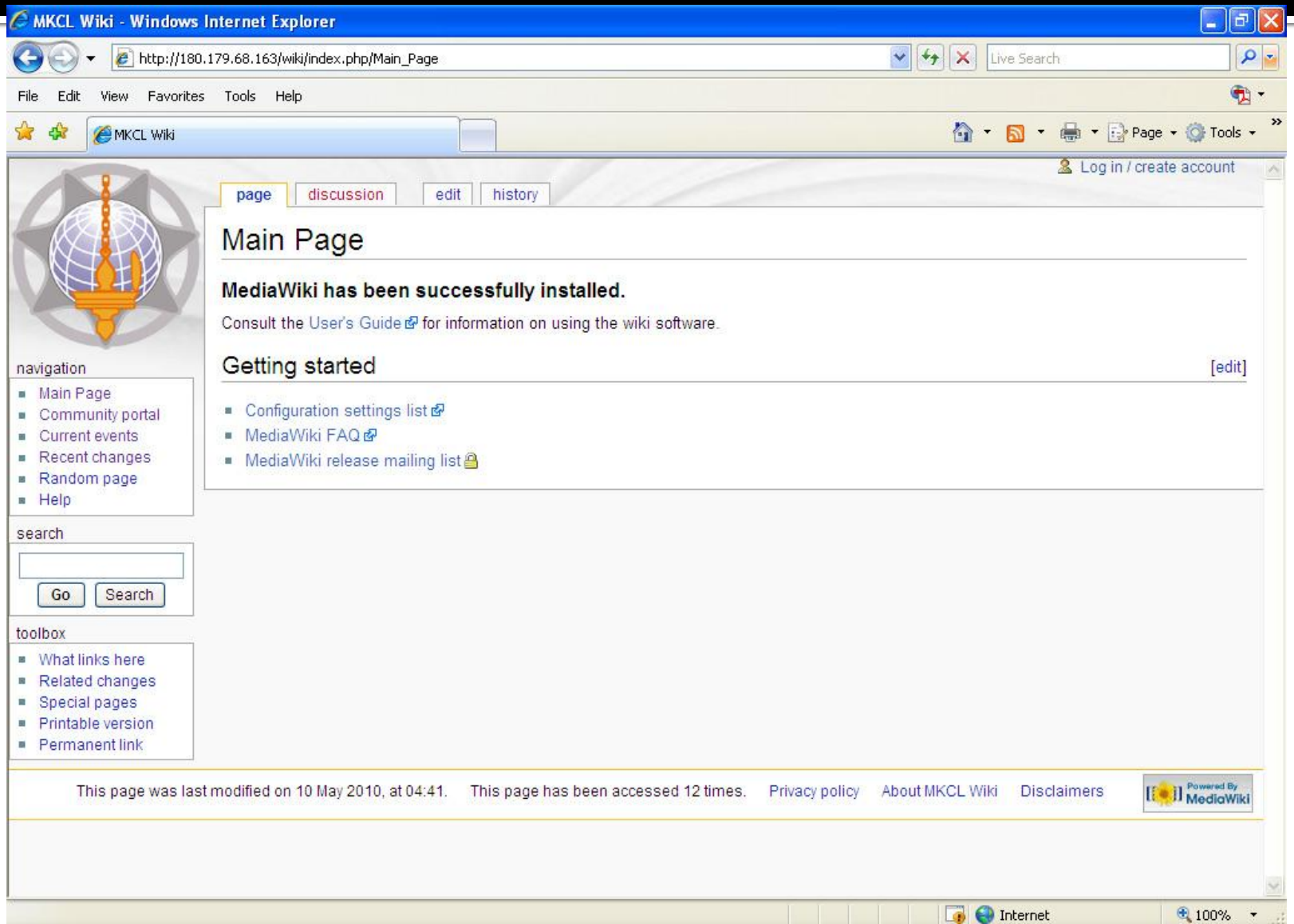
Wiki application

Wiki for KNIT



Wiki application

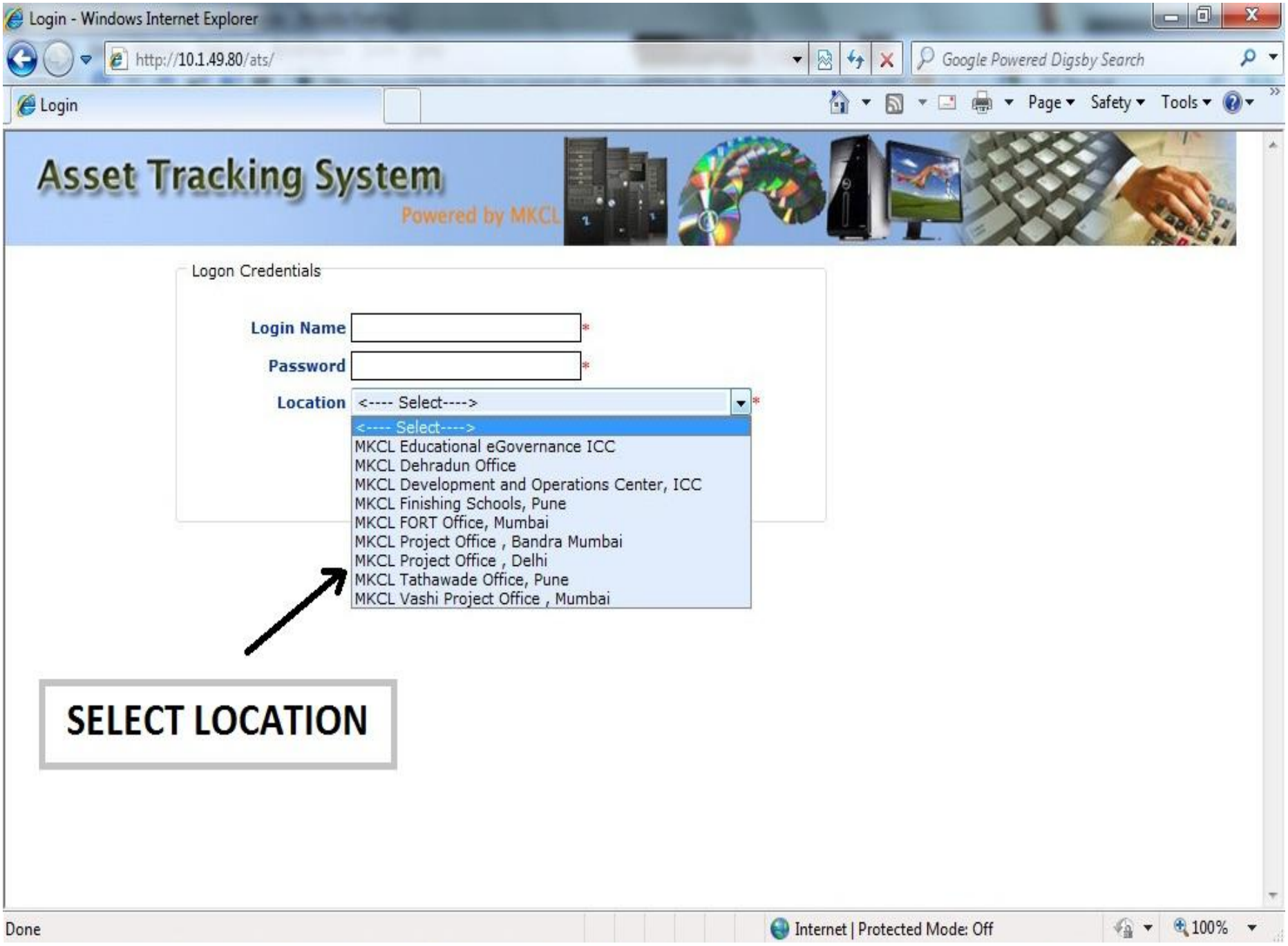
Sample Wiki Application



Local and Remote Asset Inventory

Local Asset Inventory

- Customizable software
- Maintain Technical / Non Technical Assets
  - Computer Hardware
  - Software
  - Peripherals
  - Furniture etc.
- Track Maintenance Contracts
- Generate reports
  - Location-wise, User-wise, Department-wise, Asset Transfer etc.


Login - Windows Internet Explorer
http://10.1.49.80/ats/
Google Powered Digsby Search
Login
Page
Safety
Tools
Asset Tracking System
Powered by MKCL
Logon Credentials
Login Name
Password
Location
<---- Select---->
<---- Select---->
MKCL Educational eGovernance ICC
MKCL Dehradun Office
MKCL Development and Operations Center, ICC
MKCL Finishing Schools, Pune
MKCL FORT Office, Mumbai
MKCL Project Office , Bandra Mumbai
MKCL Project Office , Delhi
MKCL Tathawade Office, Pune
MKCL Vashi Project Office , Mumbai
SELECT LOCATION
Done
Internet | Protected Mode: Off
100%

http://10.1.49.80/ats/index.aspx - Windows Internet Explorer

http://10.1.49.80/ats/index.aspx

Google Powered Digsby Search

http://10.1.49.80/ats/index.aspx

Page ▾ Safety ▾ Tools ▾

Asset Tracking System

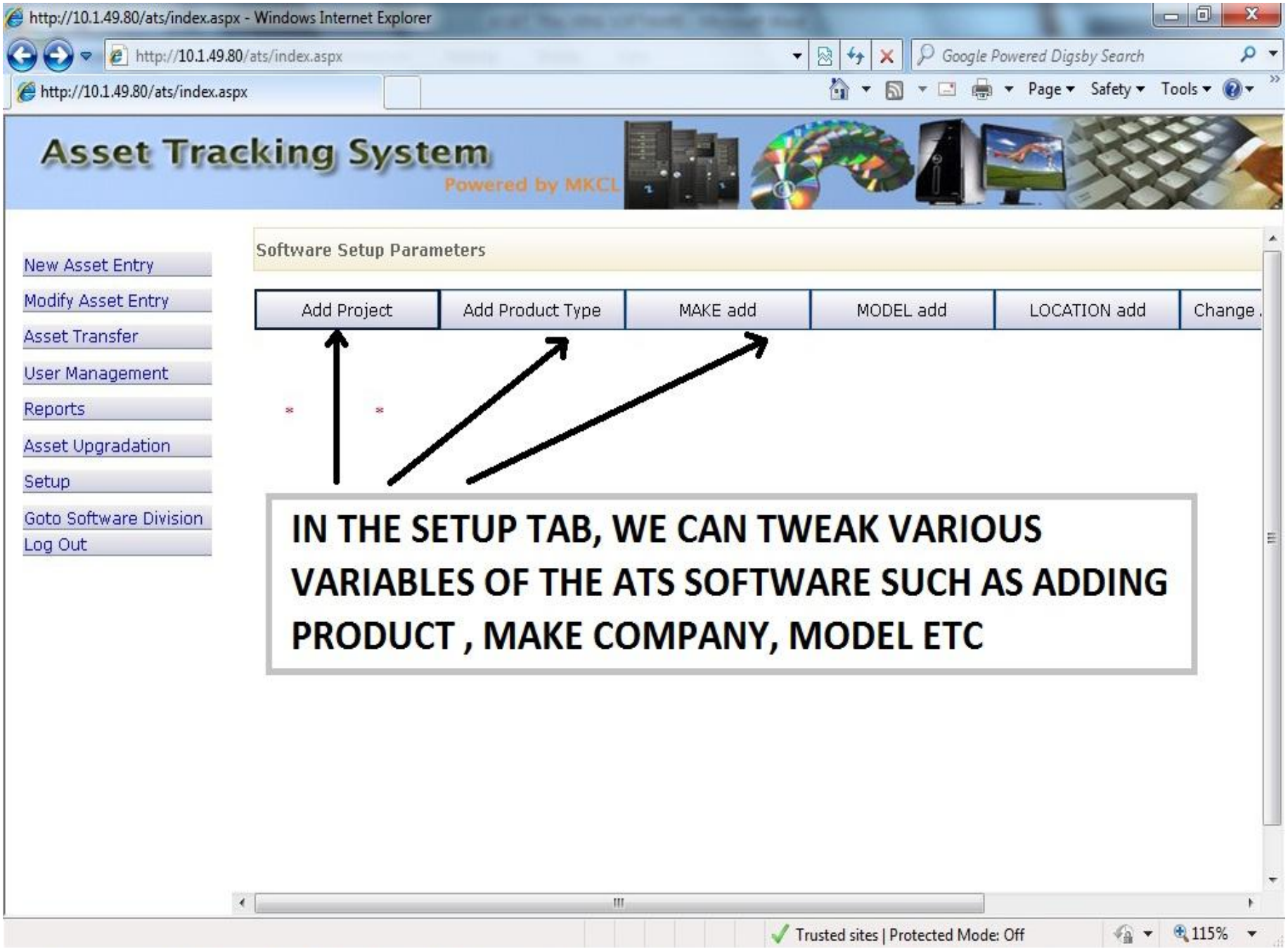
Powered by MKCL

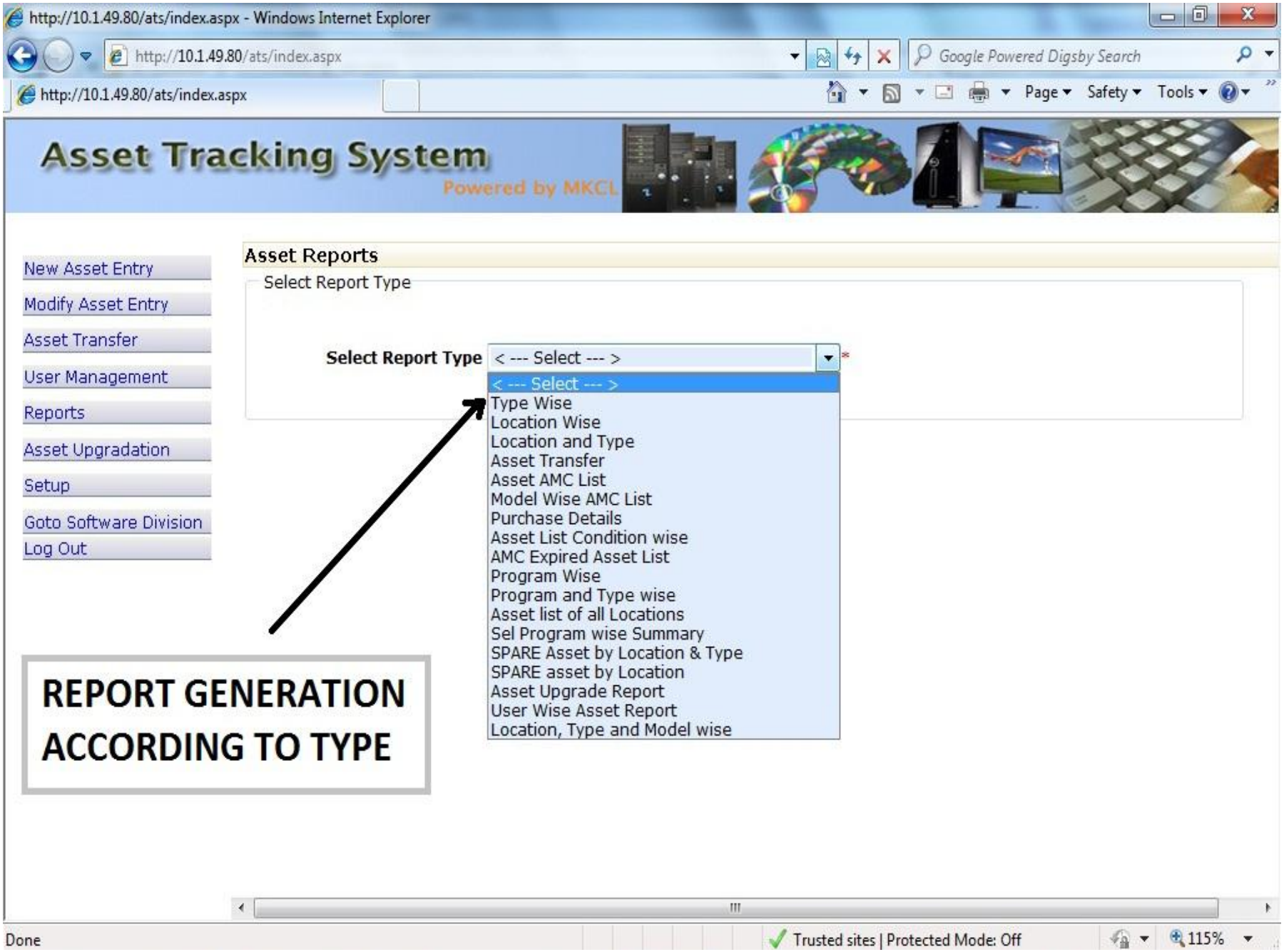
- New Asset Entry
- Modify Asset Entry
- Asset Transfer
- User Management
- Reports
- Asset Upgradation
- Setup
- Goto Software Division
- Log Out

Done

Trusted sites | Protected Mode: Off

115%


http://10.1.49.80/ats/index.aspx - Windows Internet Explorer
http://10.1.49.80/ats/index.aspx
Google Powered Digsby Search
http://10.1.49.80/ats/index.aspx
Page
Safety
Tools
Asset Tracking System
Powered by MKCL
New Asset Entry
Modify Asset Entry
Asset Transfer
User Management
Reports
Asset Upgradation
Setup
Goto Software Division
Log Out
Software Setup Parameters
Add Project
Add Product Type
MAKE add
MODEL add
LOCATION add
Change
IN THE SETUP TAB, WE CAN TWEAK VARIOUS VARIABLES OF THE ATS SOFTWARE SUCH AS ADDING PRODUCT , MAKE COMPANY, MODEL ETC
Trusted sites | Protected Mode: Off
115%


http://10.1.49.80/ats/index.aspx - Windows Internet Explorer
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New Asset Entry
Modify Asset Entry
Asset Transfer
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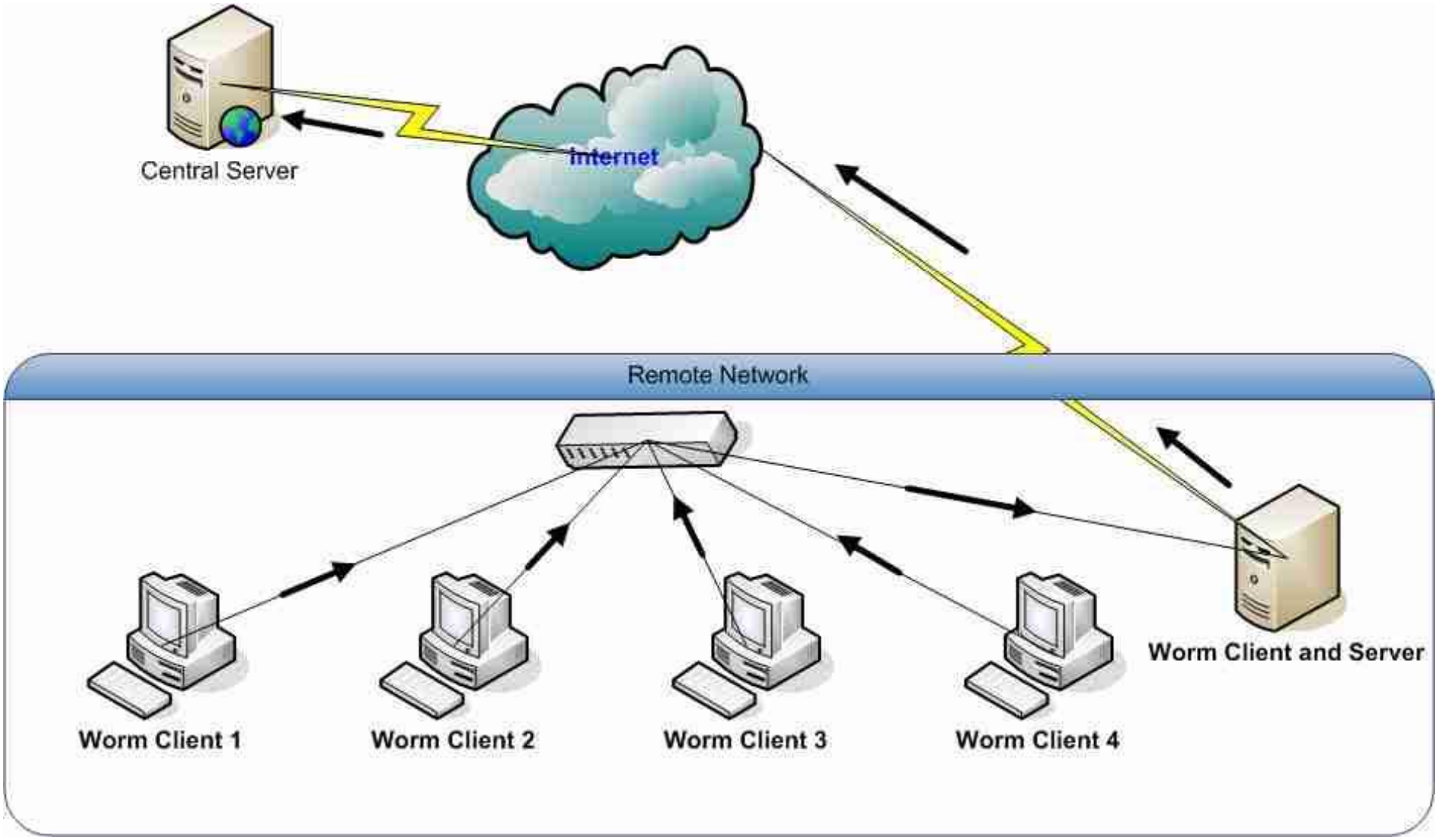
Reports
Asset Upgradation
Setup
Goto Software Division
Log Out
Asset Reports
Select Report Type
Select Report Type
< --- Select --- >
< --- Select --- >
Type Wise
Location Wise
Location and Type
Asset Transfer
Asset AMC List
Model Wise AMC List
Purchase Details
Asset List Condition wise
AMC Expired Asset List
Program Wise
Program and Type wise
Asset list of all Locations
Sel Program wise Summary
SPARE Asset by Location & Type
SPARE asset by Location
Asset Upgrade Report
User Wise Asset Report
Location, Type and Model wise
REPORT GENERATION ACCORDING TO TYPE
Done
Trusted sites | Protected Mode: Off
115%

Remote Asset Inventory

- Monitor IT Assets over WAN
  - Processor type, RAM, Hard Disk Space
  - Operating System
  - Application Software
  - And many more


Central Server
Internet
Remote Network
Worm Client and Server
Worm Client 1
Worm Client 2
Worm Client 3
Worm Client 4

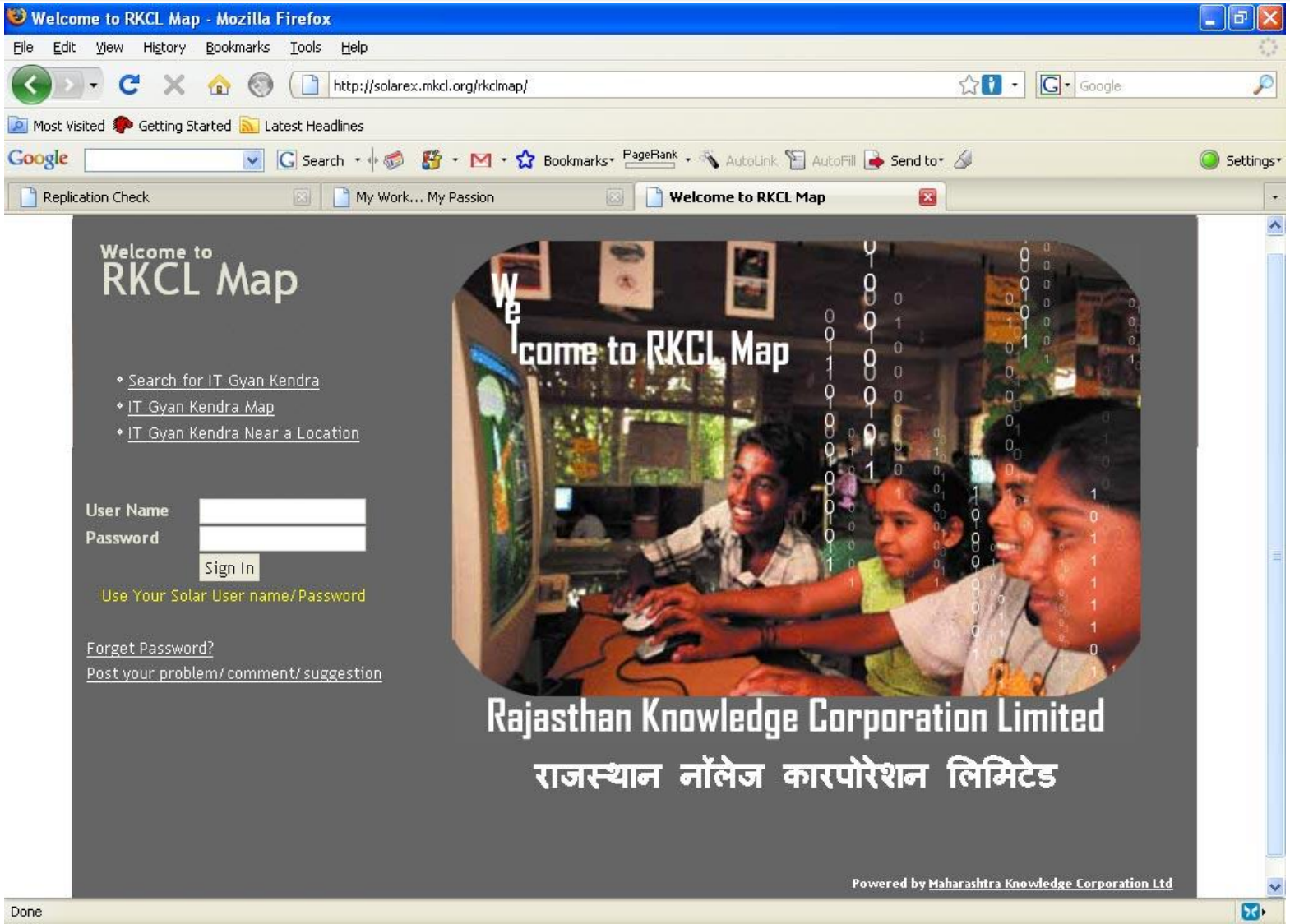
Geographical Information Systems (GIS)

Geographical Information Systems (GIS)

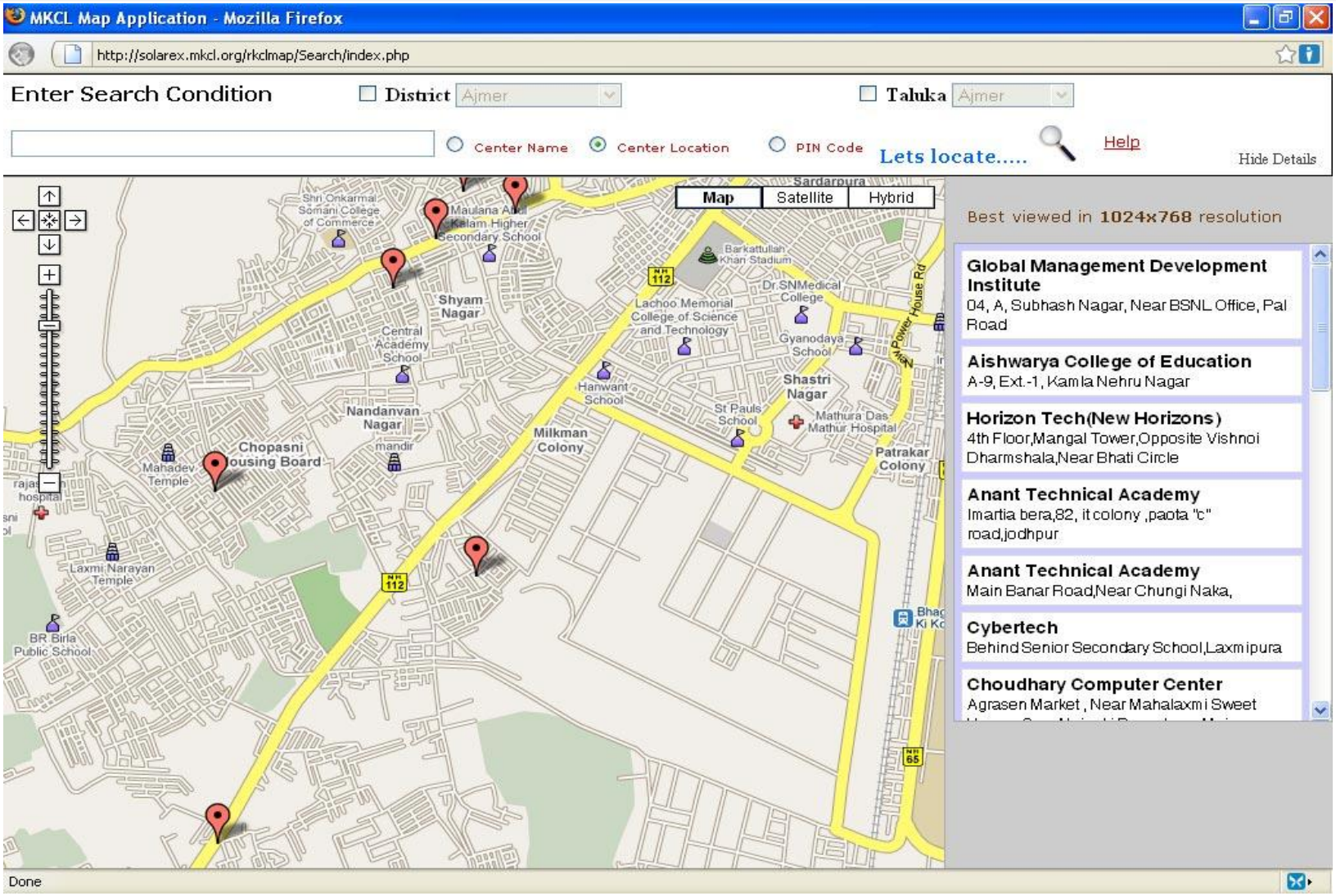
- Locate / Search locations on a map
- Search for places nearest to a given location
- Add routes to a location
- Access through the official website

GIS Engine

Google Map Application for RKCL



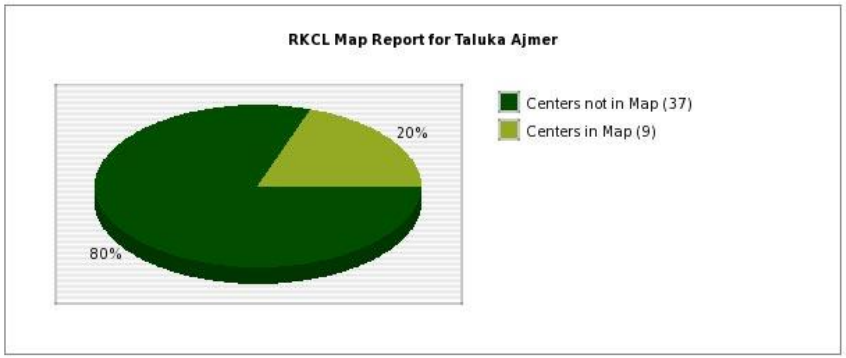
GIS Engine


MKCL Map Application - Mozilla Firefox
http://solarex.mkcl.org/rkclmap/Search/index.php
Enter Search Condition
District
Ajmer
Taluka
Ajmer
Center Name
Center Location
PIN Code
Lets locate.....
Help
Hide Details
Map
Satellite
Hybrid
Best viewed in 1024x768 resolution
Global Management Development Institute
04, A, Subhash Nagar, Near BSNL Office, Pal Road
Aishwarya College of Education
A-9, Ext.-1, Kamla Nehru Nagar
Horizon Tech(New Horizons)
4th Floor,Mangal Tower,Opposite Vishnoi Dharmshala,Near Bhati Circle
Anant Technical Academy
Imartia bera,82, it colony ,paota "c" road,jodhpur
Anant Technical Academy
Main Banar Road,Near Chungi Naka,
Cybertech
Behind Senior Secondary School,Laxmipura
Choudhary Computer Center
Agrasen Market , Near Mahalaxmi Sweet
Shyam Nagar
Nandanvan Nagar
Chopasni Housing Board
Milkman Colony
Shastri Nagar
Patrakar Colony
Sardarpura
Done

GIS Engine

Administrator report tool

Total Centers in taluka Ajmer is 46
Total Centers in Map for taluka Ajmer is 9
Remaining centers to be plotted in the Map is 37



Centers in Map

Serial	Center Code	Name	Address	City	Taluka	District
1	81	Access Coaching and computer Center	Amity Public school,Near Teja Chowk,Kotra,Pushkar Road	Ajmer	Ajmer	Ajmer
2	197	Compucom Computer Training Center	80/44 Love Kush Colony, Naya Ghar, Near East Point School, Gulab bari	Ajmer	Ajmer	Ajmer
3	266	My Liberty Gyan Kendra	Lucky Cyber Café,B-3 Shastri Nagar,Lohagal Road,Ajmer	Ajmer	Ajmer	Ajmer
4	277	My Liberty Gyan Kendra	Swastik -I , Opp. Union Bank, Ramganj	Ajmer	Ajmer	Ajmer
5	345	PRS Computech (P) Ltd.	Near No.9, Petrol Pump, Nasirabad Road,	Ajmer	Ajmer	Ajmer
6	379	Multi Software & Developments	Near No.9 petrol pump , Gas Godam, Angira Nagar	Ajmer	Ajmer	Ajmer
7	496	Access Coaching And Computer Center	H.No.22 B, Road No.7, Panchwati Colony, Opp. Adarsh Nagar Rly Station	Ajmer	Ajmer	Ajmer
8	501	Access Coaching And Computer Center	H.No.970/14 , Behind St. Mary's Convent School, Alwar Gate	Ajmer	Ajmer	Ajmer
9	566	F.I.C.S.	A-915, Florida Public School, Chandravardai Nagar, Ajmer - 305001	Ajmer	Ajmer	Ajmer

Centers yet to be added in Map

Serial	Center Code	Name	Address	City	Taluka	District

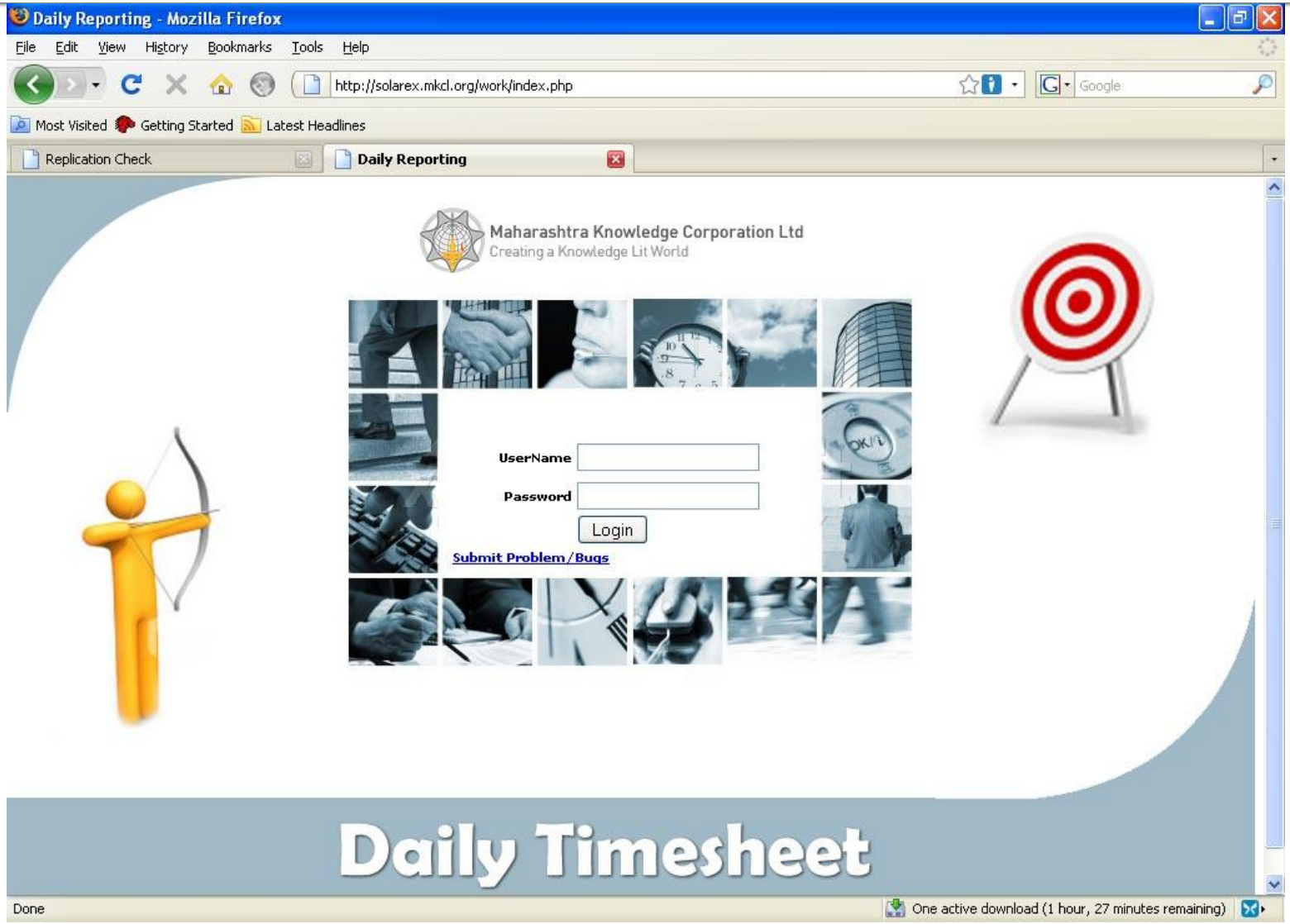
Employee Time Sheet Application

Employee Time Sheet Application

- Improves visibility on time utilized by employee on various projects, categories
- Import from excel files
- Employees can create monthly reports for submission
- Generate various reports
  - Employee wise
  - Program wise
  - Project wise

Timesheet Application

Login Screen



Timesheet Application

Employee's Home

- Home
- Submit Daily Report
- View My Daily Report
- View Project wise Report
- Upload Timesheet
- Monthly Report
- Logout
- Appraiser Home
- Admin Setup

Select Report Month

Report Month January 2010

Submit

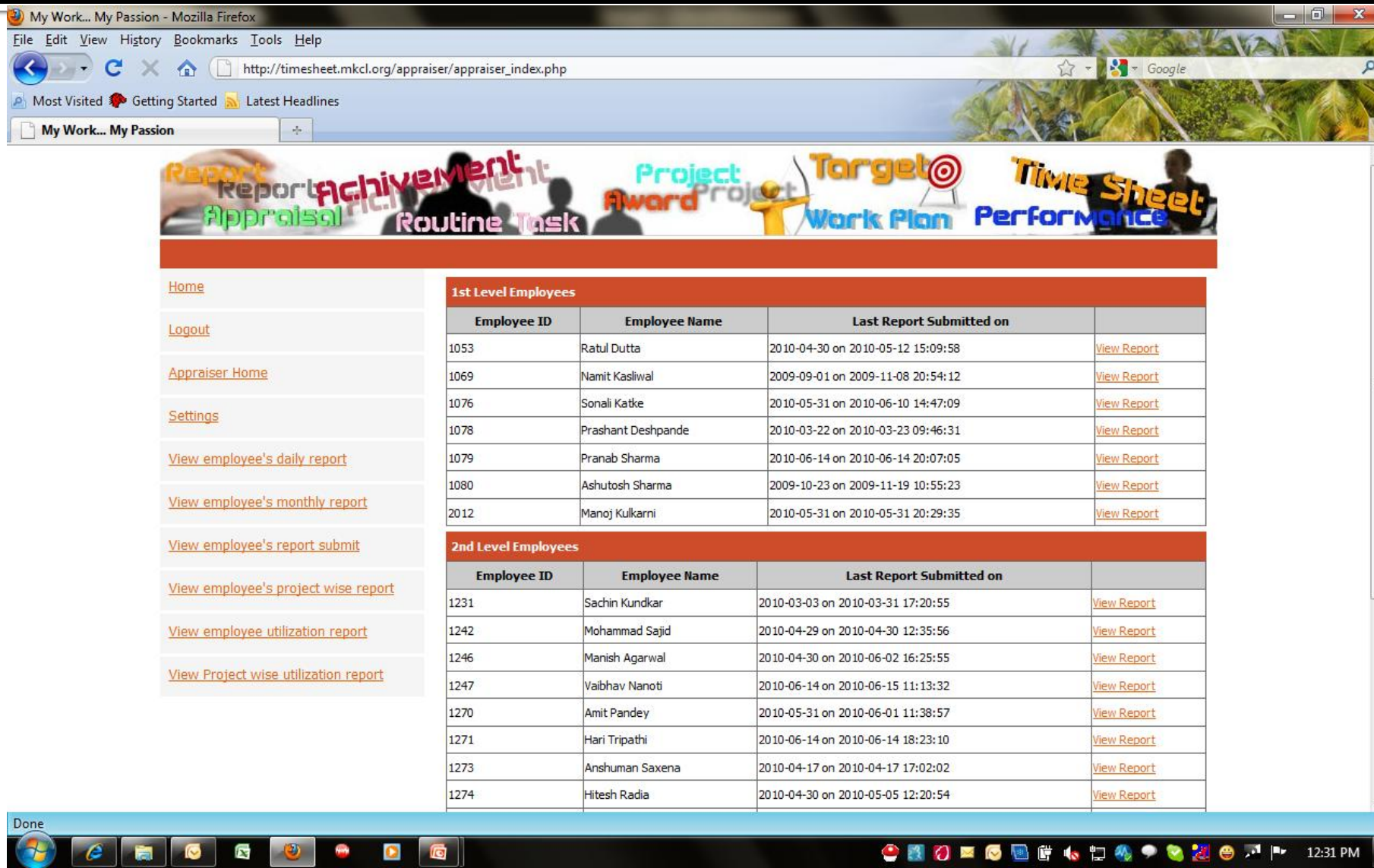
Last 3 Reports

Serial	Report	Submited On					
1	December, 2009	2010-01-02 13:51:56	View	Not Editable	Download HTML	Download PDF	Mail it to appraiser
2	November, 2009	2009-12-01 15:52:07	View	Not Editable	Download HTML	Download PDF	Mail it to appraiser
3	October, 2009	2009-12-01 13:13:28	View	Not Editable	Download HTML	Download PDF	Mail it to appraiser

Show all reports for the year 2010 Show

Timesheet Application

Appraiser's Home



Timesheet Application

Employee's Project Wise Report

My Work... My Passion - Mozilla Firefox

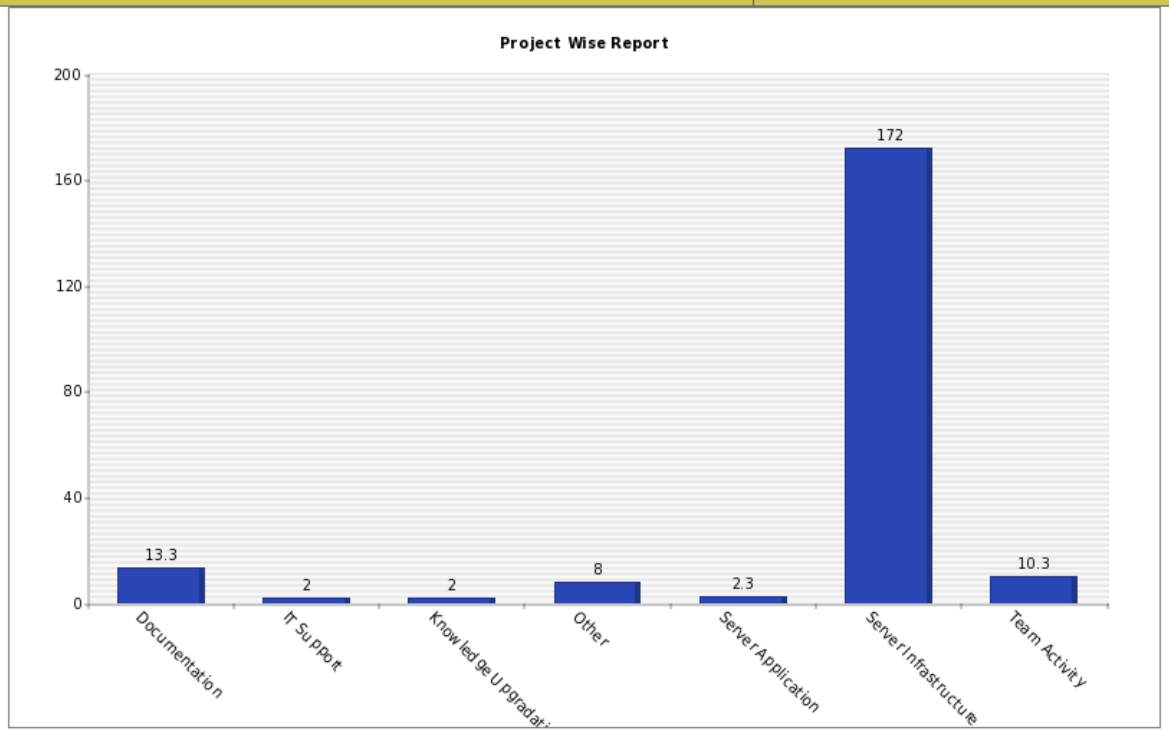
File Edit View History Bookmarks Tools Help

http://timesheet.mkcl.org/appraiser/view_project_report_form.php

Most Visited Getting Started Latest Headlines

My Work... My Passion

	Team Management	0 Hr(s) 30 Min(s) View Details
	Weekly Review Meeting	2 Hr(s) 0 Min(s) View Details
Total Time spent for Team Activity		10 Hr(s) 30 Min(s)
Total Work Time from 1-5-2010 to 31-5-2010		210 Hr(s) 30 Min(s)



Done

12:36 PM

Timesheet Application

Project Wise Employee Utilisation

My Work... My Passion - Mozilla Firefox

File Edit View History Bookmarks Tools Help

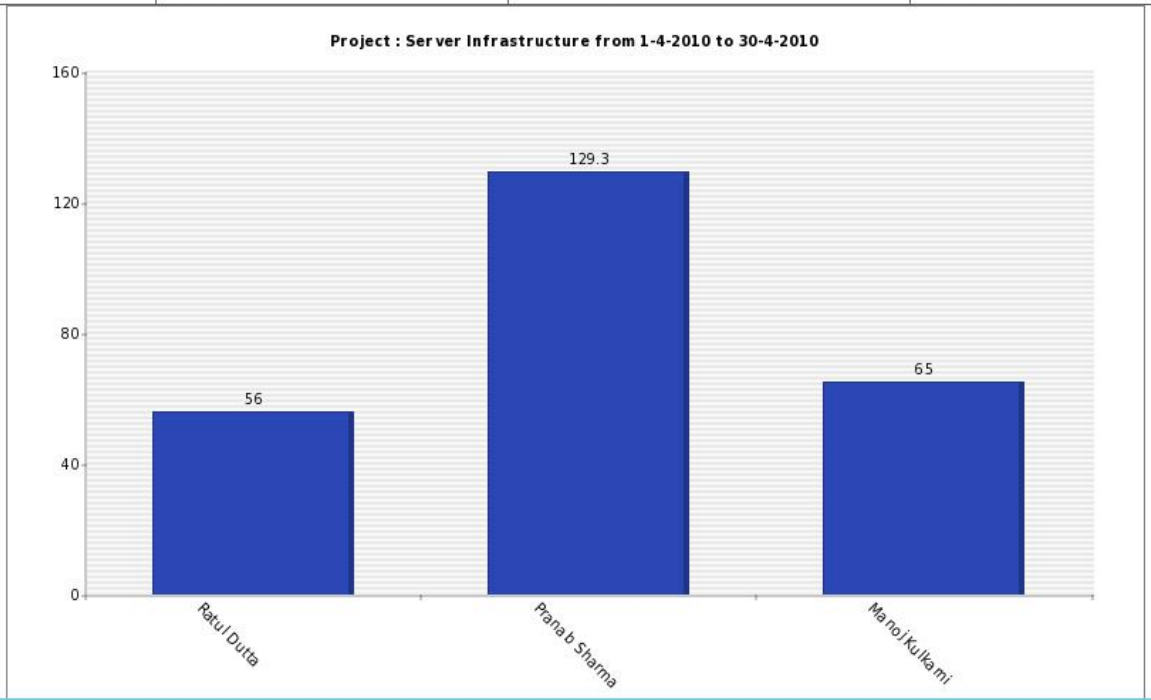
http://timesheet.mkcl.org/appraiser/employee_project_utilization_report.php

Most Visited Getting Started Latest Headlines

My Work... My Passion

Project Wise Employee Utilization Report

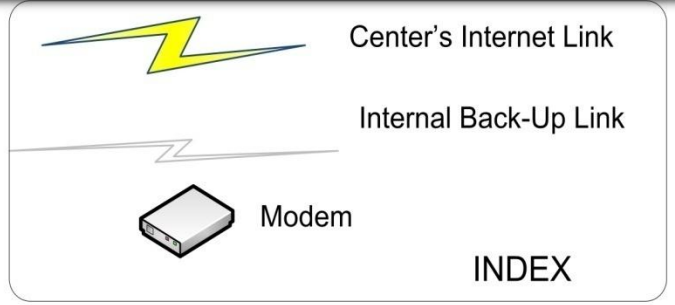
Employee Id	Employee Name	Project Name	Time Spent
1053	Ratul Dutta	Server Infrastructure	56 Hr(s) 0 Min(s)
1079	Pranab Sharma	Server Infrastructure	129 Hr(s) 30 Min(s)
2012	Manoj Kulkarni	Server Infrastructure	65 Hr(s) 0 Min(s)



Done

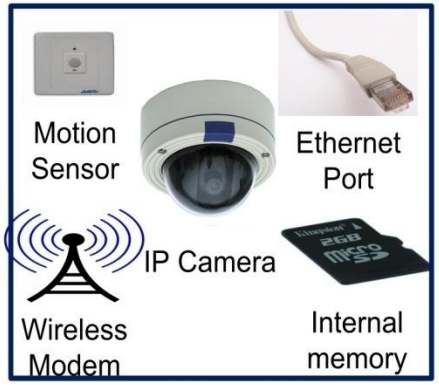
12:41 PM

IP Based Video Surveillance



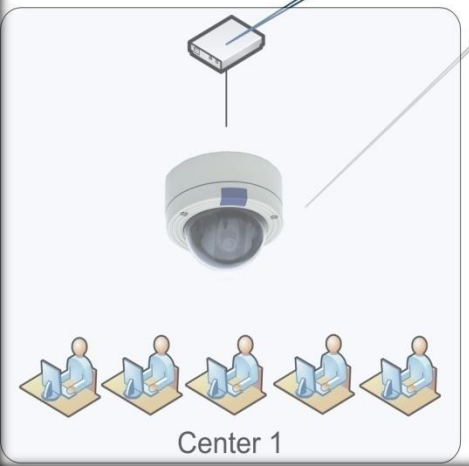
VIDEO ANALYTICS SERVER

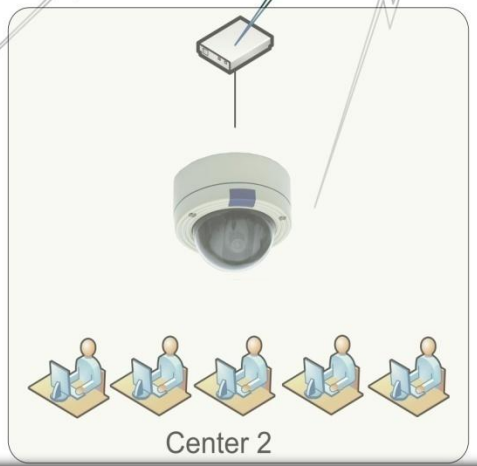
IP Camera Package

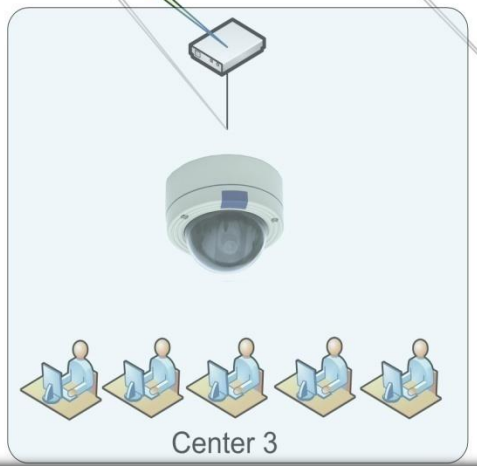


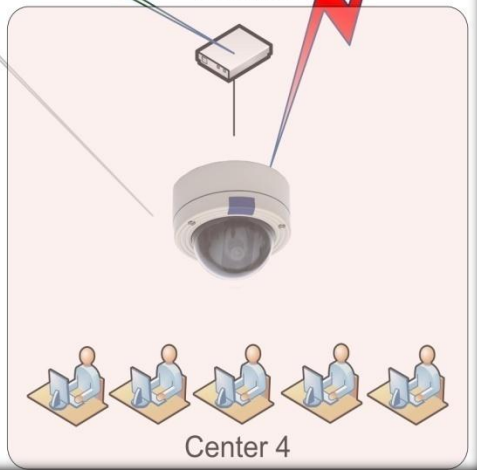
Internet Cloud

Suspectible Action









IP Based Video Surveillance

- Flexible and compressed image format:MPEG4, H.264
- Predefined alerts on susceptible motion
- Motion based video recording
- Remote monitoring and control of cameras from a Web Browser / Mobile
- Centralized Advanced Video Analytics
- Extensible network infrastructure

Auto Installers

Auto Installers

- Single Click Installation
- No Manual Intervention Required
- Automatically Inserts Product Keys

- Operating System and application software Auto Installer
  - Useful for clients with new computers
  - Installs Server and Client OS with Application Software
  - Creates Windows Domain automatically

- Software Auto Installer
  - Useful for computers with existing OS

Thank You