Web-Based Technologies: Reaching their ultimate potential on restricted budgets

Salvador Báez-Franceschi
Karen Le
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• Introduction
• What is VNet?
• Capabilities Summary
• Applications
• VClass
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• VAdvising
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Introduction

• Identified the needs of faculty, staff and students
• Researched existing UH resources to meet those needs
• Explored affordable commercial applications that provided capabilities unavailable through UH resources
• Designed a strategy to offer solutions for needs not met either by existing resources or commercial applications
What is VNet?

- Course registration
- Electronic course management
- Archiving and streaming of course materials
- Electronic publishing
- Reservation system
- Secured web form submissions
- Calendar and scheduling
- Report generation
- Purchasing management
Capabilities Summary

• Web Based
• Platform independent
• Simple network access
• High level of scalability
• High level of security
• Short learning curve
• Small support and maintenance requirements
• Short development cycle to enhanced functionalities and capabilities
• Low overall cost
VNet is a modern web operating system. It is changing the way the University communicates and exchanges information. More...

VNet Training starts 07/12/2004. Training schedules for VNet applications are available. Training sessions are repeated weekly. Users can register online. Please click here to register.

VNet version 4.0 is available, 06/01/2004. On this release, we include five new applications. You will find many new features and major modifications that improve both the look as well as the functionality of VNet.

Support Center Contact Information:
support@vnet.uh.edu, (713) 743-1619

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What is VClass?

VClass is an innovative academic tool that allows faculty to easily integrate traditional methods of course delivery with the best of modern technology.
What does it mean to faculty and students?

- Course materials distribution
- Streaming videos of class lectures
- Course management and maintenance
- Keywords search capability

Everything can be done by the professors!
CHEM 1331: Fundamentals of Chemistry
MWF 10:00 - 11:00 am and MWF 1:00 - 2:00 pm

Course Description
Modern concepts using mathematics for understanding principles, fundamental laws, atomic and molecular structure, states of matter, equilibrium, kinetics, and elementary inorganic, nuclear, and organic chemistry.

Dr. Russell Geanangel
Email: Contact me in webCT mail
Phone: (713) 743-2735  Office: 123b-F
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New Resource

Name: Lecture note chapter 7
Type: Lecture Notes
Semester: Fall
Year: 2004
Keywords: (keyword1, keyword2, ...)
Description: Lecture note chapter 7
Link: http://www.chemguide.co.uk
(email: nsm.uh.edu)
Attachment: Choose File
Streaming**: 2 (4 FPS - Screen Recording, 12 FPS - Regular Video)
Notes:

Public Access: Yes
Available Now: Yes
Available Date: 09/28/2004
Ending Date: 09/28/2004

Only Users: (userid1, userid2, ...)
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Problem:
Give the systematic names for the formulas or the names for the formulas of the following compounds:

(a) Tin(II) bromide (Tin, Z = 50)

(b) CrF$_3$

(c) Iron(III) oxide

(d) MnS

chapter 2 Lecture 4
09/03/2004
What is VRecord?

VRecord is a web application that provides intelligent tools to help its users efficiently collect and manage data.
What does it mean to the users?

• Encrypted web form creation
• Input method flexibility
• Record management and organization
• Security and ownership management
• Report generation
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UH VIRTUAL ACADEMIC PORTFOLIO

Campus-Wide Electronic Network: Partnerships for Undergraduate Academic Success
WHY V-ADVISING?

- Student frustration with paper chase and need for more proactive academic support
- Colleges frustration with access and sharing of data on student academic development
- Need for digitized documents (e.g., petitions, waivers, etc.) that are readily available for review
- Electronic network across campus to better coordinate academic information, service, and intervention
WHAT IS “V-ADVISING”? 

Campus-wide system of individualized, student initiated on line advising and academic development, management, and tracking system

**Academic Advising Tool:** Calendar, Appointments, Intake Information, Advisor Journal, and Student Record Information

**Academic Tracking System:** Relational Database for Student Academic Management and Assessment Studies
V-ADVISING COMPONENTS

Student Portfolio

Academic Advisor Portfolio

Undergraduate Academic Tracking System
Student Virtual Portfolio
STUDENT PORTFOLIO

- Calendar function automatically records appointment and can be used for other calendar activities by student.
- Set up appointments with advisor 24/7; appointment confirmed automatically by e-mail.
- Records all appointments, plus the status of the issue under review.
Student History

- Students can see record of appointments and status of same.
- Can also schedule an advising appointment from this screen.

Please send any comments to support@vnet.uh.edu.
VNet | VDesktop
On-Line Advising Forms

- Students fill out and access forms online prior to advising.
- Students can review the history of advising issues.
- The record remains part of the student’s virtual portfolio.
- The advising unit creates a database on advising cases.
Advisor Virtual Portfolio
Advisor Portfolio

- Advisor calendar indicates all appointments and status of same
- Has links to Enrollment and PeopleSoft
- Calendar also used for other functions and is synchronized with Outlook
Appointment Status View

- Can click on any current or previous appointment and pull up student forms and records pertaining to that Record of all appointments and status of same record.
- Can accept, decline or respond to student request automatically by e-mail.
**Record Tab**

- Pulls up student records information
- Can call up the form(s) filled by student electronically (see intake tab)
- Information is part of student’s session record which is sealed
Closing Remarks