

Impacts of Data Access via Web Applications for Student Advising

Presented By
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Introduction

- Personal
- Education
- Career
- Motivation/Interest
- Approach
- Goals of Presentation

UNLV

Gaining Early Awareness and
Readiness for Undergraduate Programs
(GEAR UP)



Overview

1. Challenges
2. Data Acquisition
3. Data Mining
4. Web Application
5. Implementation
6. Impacts & Benefits

1. Challenges

- Misfiled Documents
- Incomplete Information
- Limited or No History of Prior Services
- Timely Information for Decision-making
- Securing Data

2. Data Acquisition

- Types of Data
 - Service Sheets
 - Surveys – Student & Parent
 - Transcripts
- Where it Comes From
 - 12 GEAR UP Middle Schools
 - 8 GEAR UP High Schools
 - Clark County School District

3. Data Mining

- Data mining involves sorting through large amounts of data and picking out relevant information
 - Wikipedia
(http://en.wikipedia.org/wiki/Data_mining)

4. Web Application – Work Flow

- Data is entered continually
- Reports available “real-time”
- Staff access data at school sites
- Staff prepare for student advising
- Staff provide targeted advising services
- Students receive timely information

5. Web Application – Development

- Planning
- Analysis
- Design/Development
- Testing
- Documentation
- Training
- Maintenance

Sample Student Service Summary Report

Student Service Detail Results

You have selected: 2006-2007 / UNLV

List of Services

School	Service Type	Service ID	Service Count	Students Attended	Student Count	Service Hrs
HS-Canyon Springs						
1)	Academic Enrichment	46	158	1064	188	1771
2)	Academic Planning	39	10	48	7	94.17
3)	Career Counseling	38	3	16	11	16
4)	College Visit	7	5	148	101	845.75
5)	Computer Assisted Lab	3	3	5	5	3.17
6)	Counseling/Advising	5	143	3020	1651	2297.1
7)	Educational Field Trips	10	1	5	5	17.5
8)	Family Events	37	3	45	42	90
9)	Homework Assistance	45	43	239	79	260.5
10)	Mentoring	4	6	132	85	210.25
11)	Other (Class Room Visit / Presentation)	25	31	948	875	464.67
12)	Other (Sports / Recreation)	23	18	88	17	201
13)	Other (Student Engagement)	24	11	63	21	64
14)	Other (Student Recognition)	22	1	94	94	47
15)	Summer Programs	9	10	50	10	500
16)	Tutoring	1	936	19302	1549	28248.18
17)	Workshops	6	36	194	69	343.25

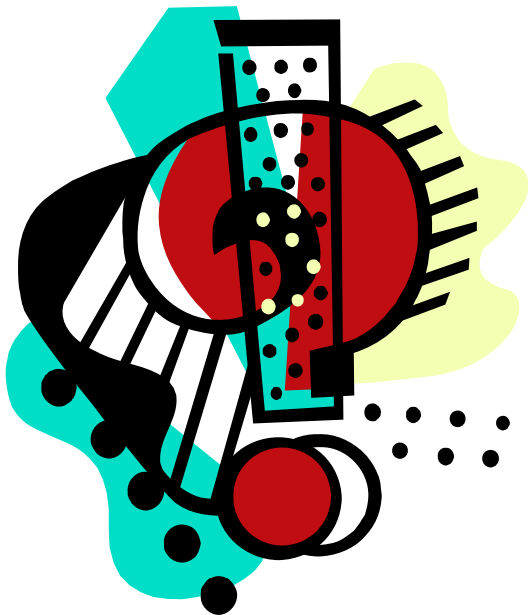
6. Impacts & Benefits

- Targeted Advising
 - Evaluate Progress
 - Determine Career Goals
- Reporting
 - Interim & Ad-hoc
 - Annual Performance
- Management Decisions
 - Evaluate Choices
 - Allocate Resources

Summary

- Managing data is cumbersome
- Mining data is important
- Using technology to provide timely access
- Developing an application requires planning
- Results that matter
- Being dynamic is challenging

Questions?



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