



MIS COLA

IMPLEMENTATION OF MIS AT ATI'S AND IT RELATIONSHIP TO QA, HE AND FET

Presentation Overview

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22/10/2015

- ▶ Initial System Requirements
- ▶ Foundation of the selected system
- ▶ Selected System
 - ▶ Learner Management System
 - ▶ Total Quality Management
 - ▶ Tracking Systems
 - ▶ System Integration
 - ▶ Development Roadmap

INITIAL SYSTEM REQUIREMENTS

Requested Features

- ▶ Reports for DAFF and Province
- ▶ Learner Tracer Study
- ▶ **Accreditation Concerns**
- ▶ Standardisation across institutions
- ▶ Quality Assurance COLA requests
 - ▶ QA Score-card
 - ▶ Tracking Systems

FOUNDATION OF THE SELECTED SYSTEM

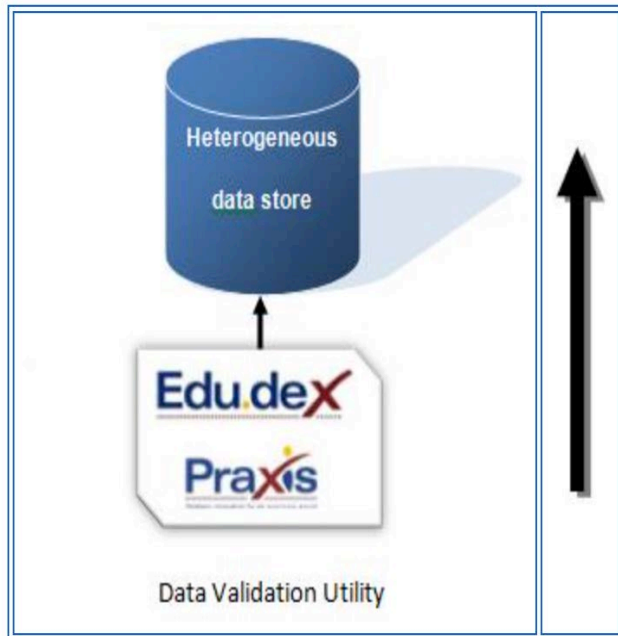
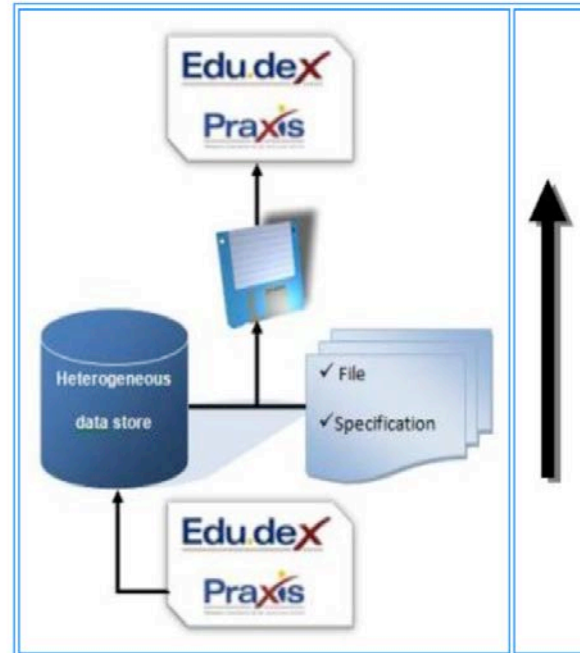
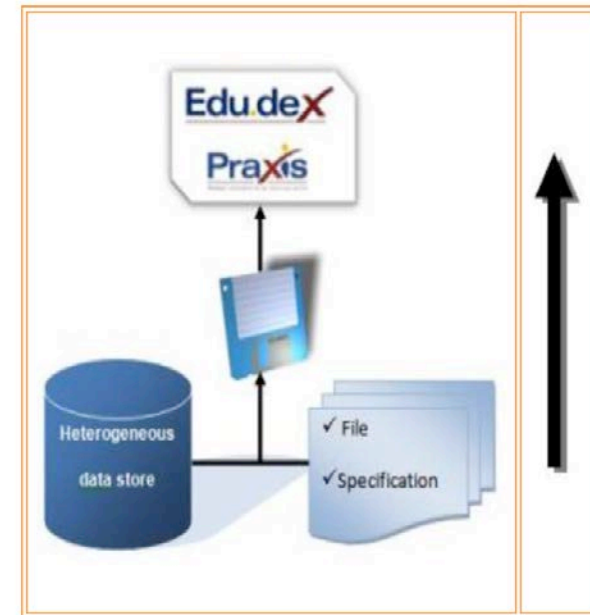
National Learners' Records Database (NLRD)

- ▶ <http://www.saqsa.org.za/show.php?id=5689>
- ▶ <http://www.saqsa.org.za/docs/misc/2014/NLRD%20presentation%20for%20SAQA%20website.pdf>
- ▶ <http://www.saqsa.org.za/nlrinfo.php>

Edu.Dex

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- ▶ Benefits
 - ▶ Supported by our Qualification Bodies
 - ▶ Assists in accreditation
 - ▶ Ensures records are always validated

SAQA**Level 1****ETQA****Level 2****Training Provider****Level 3**

Council on Higher Education

<http://www.che.ac.za/>

Edu.Dex related links at CHE

http://www.che.ac.za/focus_areas/heqcis/overview

Education, Training and Development Practices SETA (ETDP)

<http://www.etdpseta.org.za/>

Mining Qualifications Authority SETA (MQA)

<http://www.mqa.org.za/>

South African Qualifications Authority (SAQA)

<http://www.saqa.org.za/>

Edu.Dex related links at SAQA:

www.saqa.org.za/nlrinfo.php

Safety and Security Sector Education & Training Authority (SASSETA)

<http://www.sassetta.org.za/>

Edu.Dex related links at SASSETA

<http://datanet.sassetta.org.za/veridatanet/VeriDataNet.asp>

SELECTED SYSTEM

System Overview

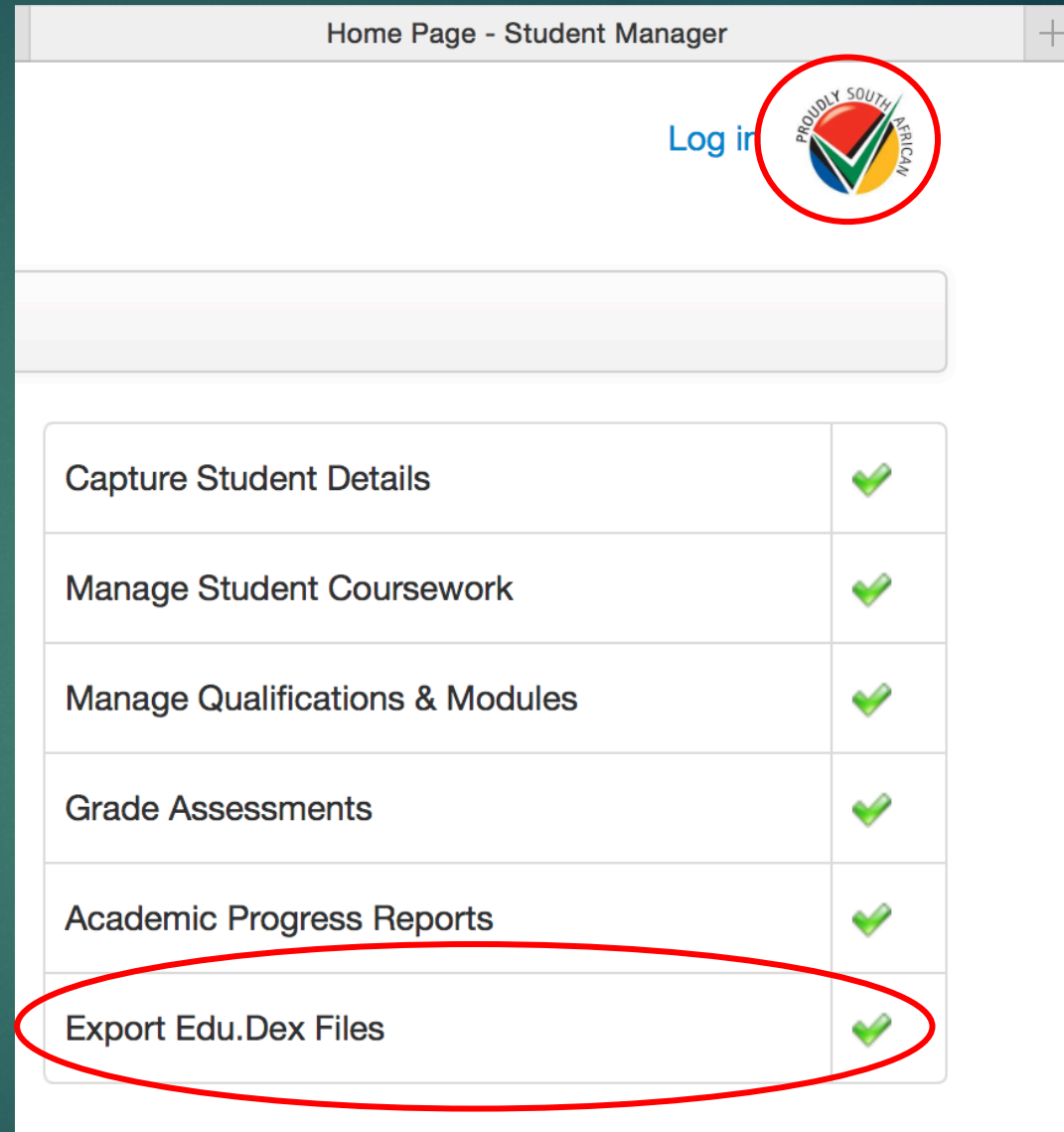
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- ▶ South African
- ▶ Built for Accredited records Management
- ▶ Contains simplified e-learning
- ▶ Has an open API
- ▶ QA Score-Card
- ▶ Tracking Systems

Some of the Learner Management System Elements

- Trainer/Lecturer Course Management
- Timetable and Training Venue Management
- Learner Portal
- Student Trainer/Lecturer interaction
- Accreditation
- Reporting





DEMO

Application Programming Interface (API)

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- ▶ Custom built systems in the present day programming environment are easily linked to other systems and packages
 - ▶ module link examples include:
 - ▶ Student data in Learner Management and in Library
 - ▶ Lecturer data in HR leave and in timetable/student access
 - ▶ Student fees in learner management and student fees in Administration (Pastel Accounting)
- ▶ Having open API's also allows for more than one vendor to be included over time, e.g.
 - ▶ Vendor A = Learner Management System
 - ▶ Vendor B = Hostel/Accommodation Management
 - ▶ Vendor C = Farm Management
 - ▶ Vendor D = Accounting and Payroll
 - ▶ Etc.
- ▶ This system has open API's

PRINCIPAL'S REPORTING SYSTEM

TOTAL QUALITY MANAGEMENT SYSTEM

QA Score Card

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- ▶ Governance and Management
- ▶ Infrastructure and Resources
- ▶ Curriculum Design and Implementation Process
- ▶ Teaching and Learning Strategies
- ▶ Curriculum Content
- ▶ External Stakeholders
- ▶ Outcomes

QA Score Card Implementation Design

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- ▶ Creation of “Principals Reporting Desk”
- ▶ Ensuring Quality
 - ▶ All fields require evidence
 - ▶ Evidence requires internal and external validation
- ▶ Assists in Accreditation
 - ▶ Ensuring Colleges review all aspects and track their own progress
- ▶ Improves Overall TQM
- ▶ Standalone System
 - ▶ Requires engaging and gaining clarity on the reports from responsible personnel which will be included



DEMO

ATI SURVEY AND TRACER SYSTEMS

TOTAL QUALITY MANAGEMENT SYSTEM – TRACKING SYSTEMS

Tracking Systems

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- ▶ General Data
- ▶ Student Data
- ▶ Graduate Data
- ▶ Employer Data
- ▶ Community Engagement Data
- ▶ Research Data

Tracking System Implementation Design

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- ▶ Survey-type approach
 - ▶ *powered by Google forms (free) and Survey Monkey (can get for free, negotiating)*
 - ▶ https://www.surveymonkey.com/?ut_source=header
 - ▶ <https://www.google.com/forms/about/>
 - ▶ https://docs.google.com/forms/d/1T7rl4VOXaotiMXbN2A7FemDVsCXREUzplfez2bmGfok/viewform?usp=send_form
 - ▶ <https://docs.google.com/forms/d/1T7rl4VOXaotiMXbN2A7FemDVsCXREUzplfez2bmGfok/viewanalytics>
 - ▶ Other implementation opportunities
 - ▶ If required:
 - ▶ Course Evaluation
 - ▶ Lecturer Evaluation
 - ▶ Peer Evaluation

COURSE BUILDER

TOTAL QUALITY MANAGEMENT SYSTEM – ENSURING QUALITY IN CURRICULUM
DEVELOPMENT FOR VOCATIONAL AND QUALIFICATION BASED LEARNING

Curriculum Development Process

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- ▶ Identify the target group
- ▶ Profile the target group
- ▶ Generate course suitable for the target group
 - ▶ Create a competency profile of the target group
 - ▶ i.e. what do they need to know to execute work effectively
 - ▶ Create an Integrated Competency Assessment
 - ▶ i.e. how would assess the individual's ability to carry out tasks in a real-life environment
 - ▶ Design the Curriculum
 - ▶ Modules, Learning Arrangements, Lesson Plans
 - ▶ Generate necessary training documents
 - ▶ Module guide, Learner guide, Trainer guide, Assessor guide

Responsibility	Tasks	Indicators
1] Business Management <u>Description:</u> Responsible for the implementation of the Financial Budget and the Strategic Plan for the enterprise and assist with gaining access to new markets and maintaining share of the existing	1.1] Ensures enterprise strategic plan executed	1.1.1] Understands how to interpret strategic plan 1.1.2] Uses historical data to assist with enterprise target planning 1.1.3] Operational plan designed to fit strategic plan 1.1.4] Operational plan “transferred” to enterprise foreman for supervision of execution 1.1.5] Understand business and production succession in practise
	1.2] Administers the enterprise budget	
	1.3] Record Keeping and Planning	
	1.4] Identifies viable markets	
	Outcome/Achievement	Content



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Aspects to be completed

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- ▶ Assigning values and attitudes
- ▶ Grouping of tasks/achievements within the following categories:
 - ▶ Knowledge, Skills and Attitudes
- ▶ Learning plan
- ▶ Lesson plan
- ▶ Automated curriculum outline
- ▶ Module timetable
- ▶ Automated module guide

WAY FORWARD FOR ATI'S

WHAT CAN BE DONE MOVING FORWARD?

System Integration

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- ▶ South African based solution
- ▶ Library ?
- ▶ ATI Semi-Autonomy ?
 - ▶ Sage Pastel Accounting
 - ▶ Procurement
 - ▶ Asset Management
 - ▶ Sage VIP and HR
 - ▶ Includes South African Labour Law features built-in

Development Roadmap

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- ▶ Implementation
 - ▶ Roll-out starting November 2015
 - ▶ Training Sessions and implementation
- ▶ Consultation Report
 - ▶ With Principals
 - ▶ Awaiting feedback
- ▶ Principals Reporting System
 - ▶ To Be Implemented January 2016
- ▶ CBL Course Builder
 - ▶ Funding required
 - ▶ Proposed completion date April 2016