CEP Reporting and Data Quality Management using HEDA

(Higher Education Data Analyzer)

Quality Forum

30 – 31 August 2017

Session 10

Which HEDA Modules

Data Quality Management

- HEDA Interrogator
- HEDA Curriculum Audit

Reporting

- Dashboard Reports
- Cube Reports
- Fixed Layout Reports

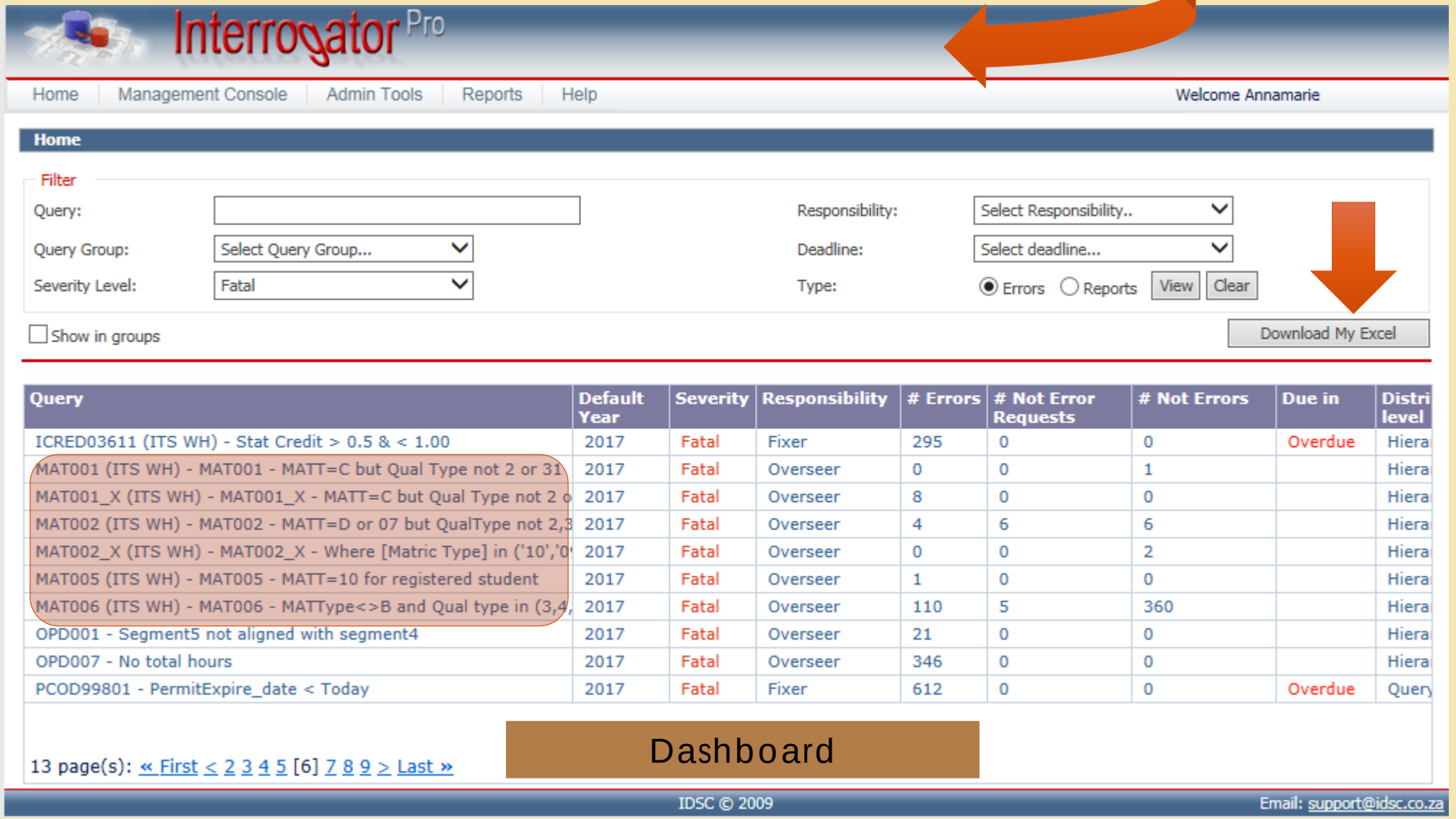
Academic Programme Tracking System

Why Data Quality Management ?

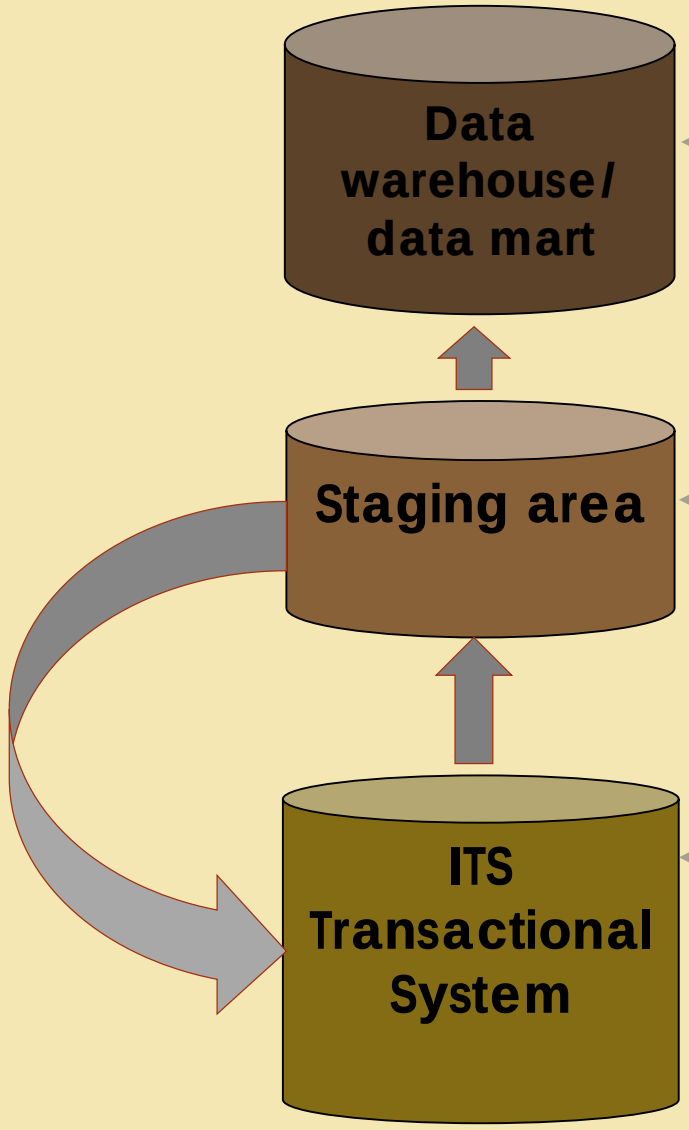
Accurate and complete data for reporting and decision making purposes

Require a tool that manage how complete and how accurate data are captured

HEDA Interrogator Pro



Data flow and the data quality process



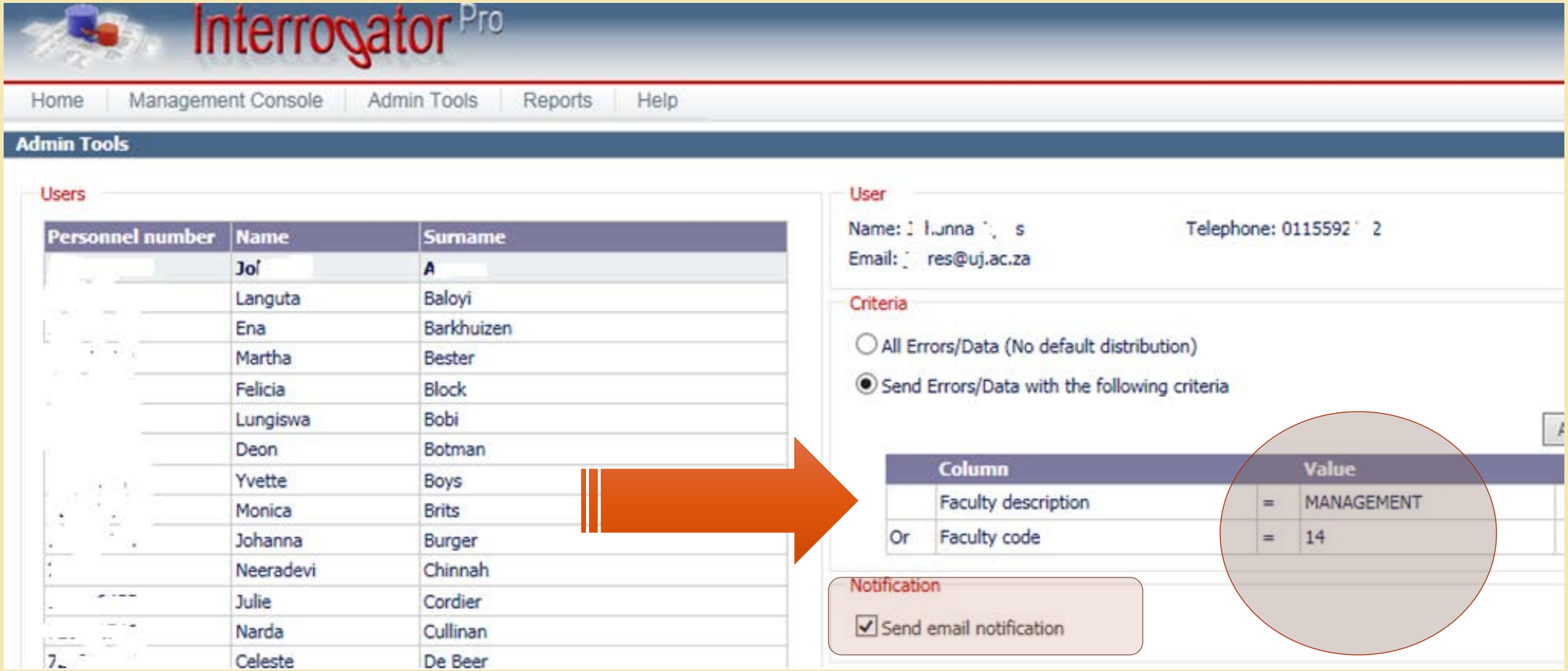
- Access to accurate timely referenced information.
- Testing the accuracy and notifying users on a timely basis on data exceptions
- Accurate timely input
- Referenced to the business rule and process

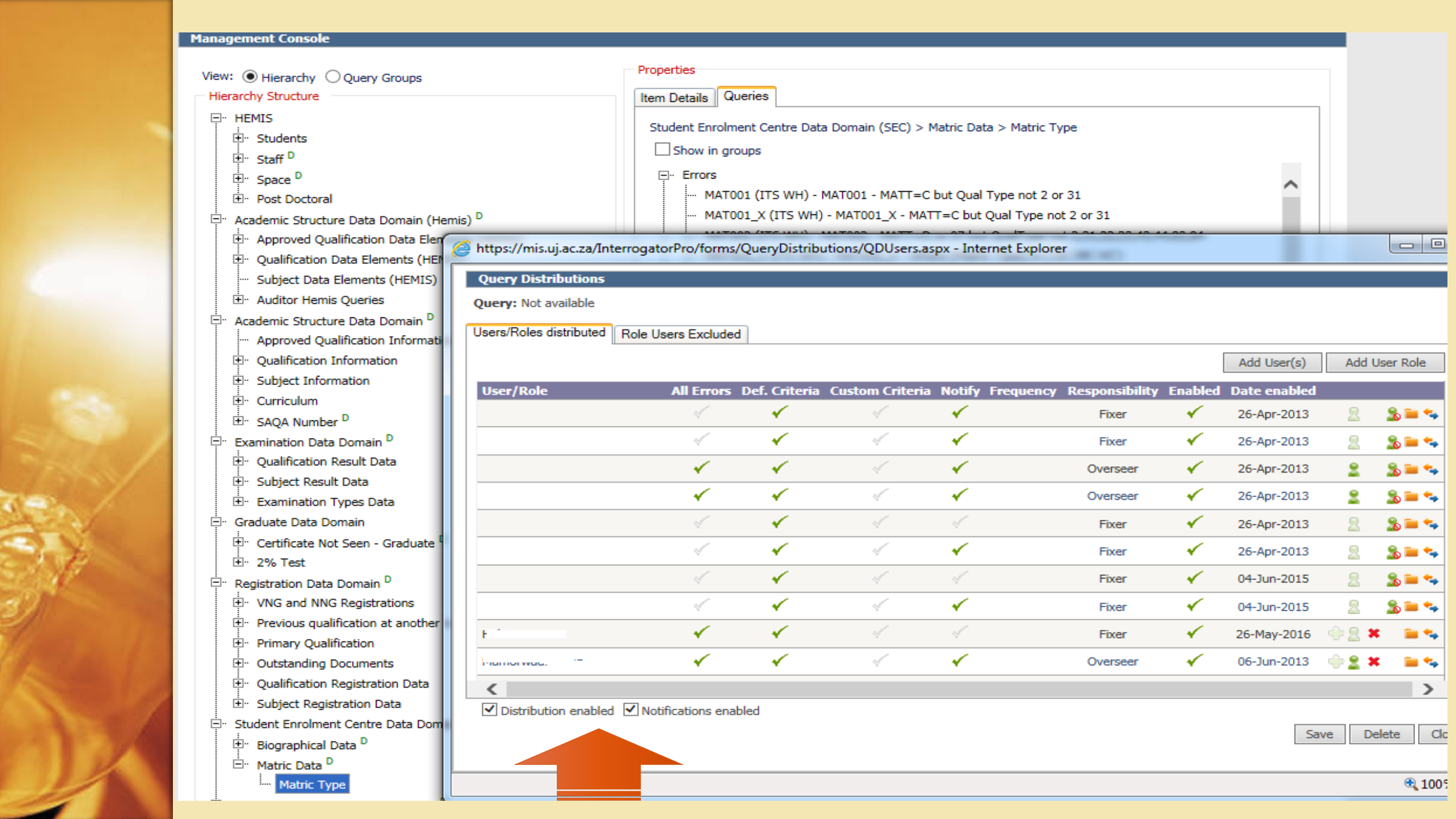
Time is implicit

Data quality roles and responsibilities

Role	Role description	Role Responsibility
Data Experts	Operational managers in a functional area with day-to-day responsibilities for managing business processes and establishing the business rules for the production transaction systems.	• The data management activities assigned to a Data Expert may be specified or delegated by a Data Steward or Data Executive
Data Managers	Staff who work with ITS, Oracle HR/FIN and other data systems in a functional area with day-to-day responsibilities for the capture, maintenance, and dissemination of data for a particular operation	• The data management activities assigned to a Data Expert may be specified or delegated by a Data Steward or Data Executive
Data Users	Individuals who access university data in order to perform their assigned duties or to fulfill their role in the university community	

Defined data roles and assigned data responsibilities




Management Console
View: Hierarchy Query Groups
Hierarchy Structure
HEMIS
Students
Staff D
Space D
Post Doctoral
Academic Structure Data Domain (Hemis) D
Approved Qualification Data Elen
Qualification Data Elements (HE
Subject Data Elements (HEMIS)
Auditor Hemis Queries
Academic Structure Data Domain D
Approved Qualification Informati
Qualification Information
Subject Information
Curriculum
SAQA Number D
Examination Data Domain D
Qualification Result Data
Subject Result Data
Examination Types Data
Graduate Data Domain
Certificate Not Seen - Graduate
2% Test
Registration Data Domain D
VNG and NNG Registrations
Previous qualification at another
Primary Qualification
Outstanding Documents
Qualification Registration Data
Subject Registration Data
Student Enrolment Centre Data Dom
Biographical Data D
Matric Data D
Matric Type
Properties
Item Details
Queries
Student Enrolment Centre Data Domain (SEC) > Matric Data > Matric Type
Show in groups
Errors
MAT001 (ITS WH) - MAT001 - MATT=C but Qual Type not 2 or 31
MAT001_X (ITS WH) - MAT001_X - MATT=C but Qual Type not 2 or 31
https://mis.uj.ac.za/InterrogatorPro/forms/QueryDistributions/QDUsers.aspx - Internet Explorer
Query Distributions
Query: Not available
Users/Roles distributed
Role Users Excluded
Add User(s)
Add User Role
User/Role
All Errors
Def. Criteria
Custom Criteria
Notify
Frequency
Responsibility
Enabled
Date enabled
Fixer 26-Apr-2013
Fixer 26-Apr-2013
Overseer 26-Apr-2013
Overseer 26-Apr-2013
Fixer 26-Apr-2013
Fixer 26-Apr-2013
Fixer 04-Jun-2015
Fixer 04-Jun-2015
Fixer 26-May-2016
Overseer 06-Jun-2013
Distribution enabled
Notifications enabled
Save
Delete

Reply Reply All Forward

Thu 2017/08/24 05:35 AM

heda@uj.ac.za

HEDA Interrogator Notification

To Meyer, Annamarie

Follow up. Start by 24 August 2017. Due by 24 August 2017.

Dear Interrogator user.

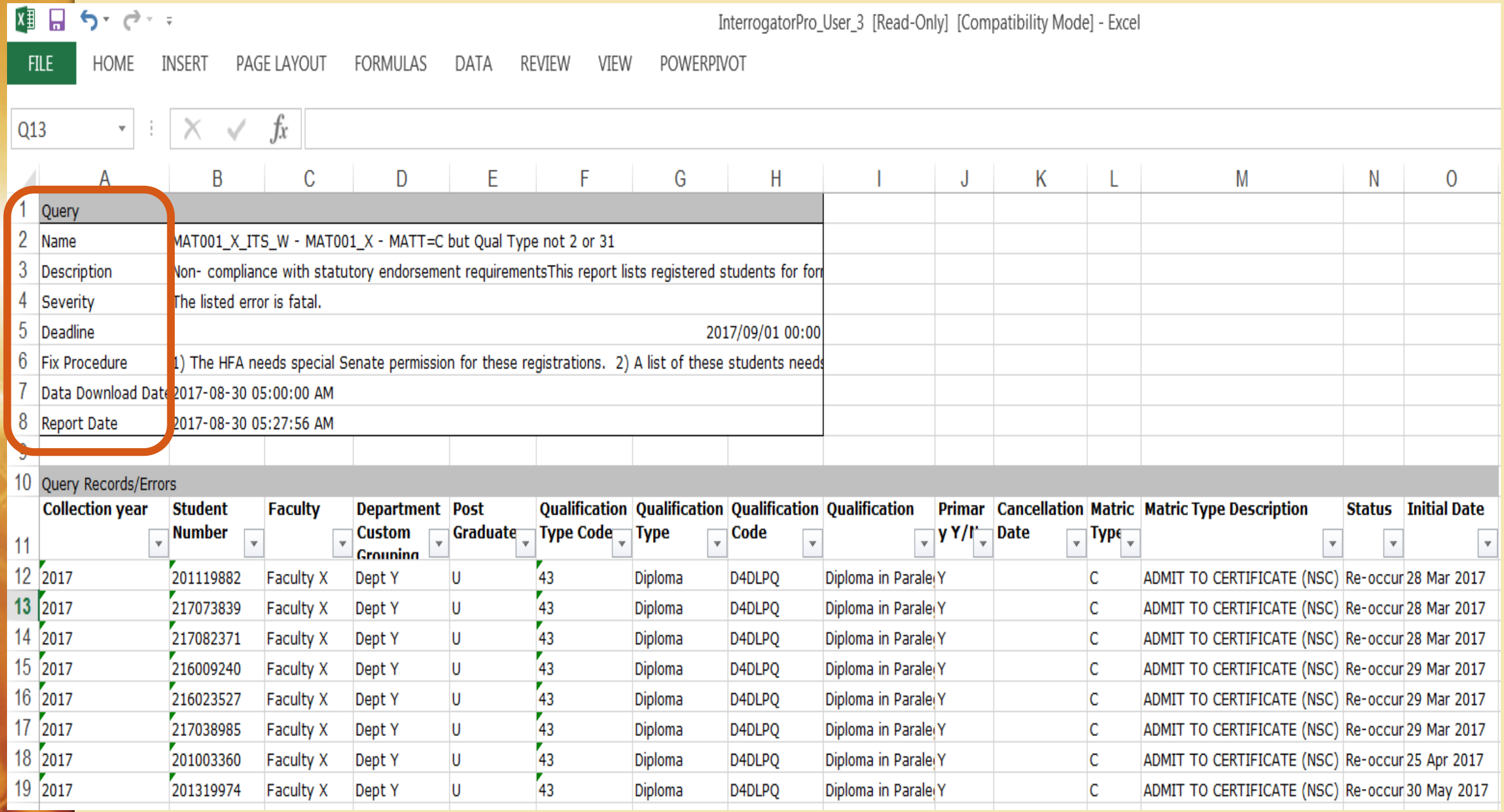
Queries that have been distributed to you have new results and needs your attention.

Please logon to the HEDA web portal and navigate to the Interrogator Pro application.

Thank you.

HEDA Interrogator Pro.

Please click on this link to download your document.

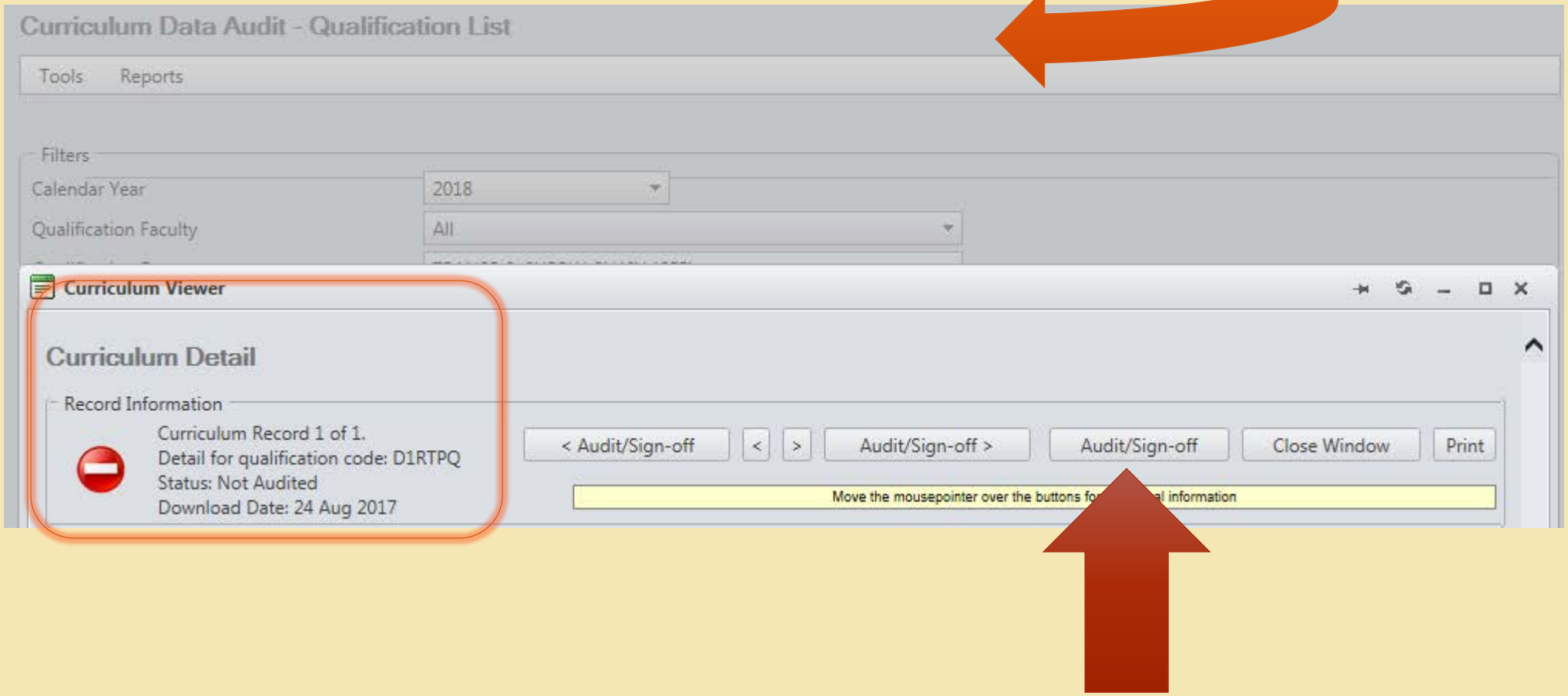


Query	
Name	MAT001_X_ITS_W - MAT001_X - MATT=C but Qual Type not 2 or 31
Description	Non- compliance with statutory endorsement requirementsThis report lists registered students for for
Severity	The listed error is fatal.
Deadline	2017/09/01 00:00
Fix Procedure	1) The HFA needs special Senate permission for these registrations. 2) A list of these students needs
Data Download Date	2017-08-30 05:00:00 AM
Report Date	2017-08-30 05:27:56 AM

Query Records/Errors

Collection year	Student Number	Faculty	Department Custom Grouping	Post Graduate	Qualification Type Code	Qualification Type	Qualification Code	Qualification	Primary Y/N	Cancellation Date	Matric Type	Matric Type Description	Status	Initial Date
2017	201119882	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	28 Mar 2017
2017	217073839	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	28 Mar 2017
2017	217082371	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	28 Mar 2017
2017	216009240	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	29 Mar 2017
2017	216023527	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	29 Mar 2017
2017	217038985	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	29 Mar 2017
2017	201003360	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	25 Apr 2017
2017	201319974	Faculty X	Dept Y	U	43	Diploma	D4DLPQ	Diploma in Parale	Y		C	ADMIT TO CERTIFICATE (NSC)	Re-occur	30 May 2017

HEDA Curriculum Audit

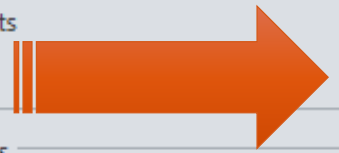


Curriculum Data Audit - Qualification List

Tools Reports

Filters

Calendar Year: 2018
Qualification Faculty: All
Qualification Department: All
Qualification Type:
Approved Qualification: All
Qualification: All
Active Qualification: All
Active Subjects: All
Audit Status: All



All
Not Audited
Audited
Audited but changed

Qualifications

Qual	Qualification			Fac	Faculty	Status	Actions
02MPRP	PRE/POST REGIS: M THESIS/DI		ENCE	2	SCIENCE		
02PRER	PRE/POST REGIS: D THESIS/DIS		CIENCE	2	SCIENCE		
03MPRP	PRE/POST REGIS: M THESIS/DISS: FEFS	3100	DEANS OFFICE: ECONO & FIN SCIE	3	ECONOMIC, FINANCIAL SCIENCES		
03PRER	PRE/POST REGIS: D THESIS/DISS: FEFS	3100	DEANS OFFICE: ECONO & FIN SCIE	3	ECONOMIC, FINANCIAL SCIENCES		
04MPRP	PRE/POST REGIS D: THESIS/DISS: LAW	4100	DEANS OFFICE: LAW	4	LAW		
04PRER	PRE/POST REGIS D: THESIS/DISS: LAW	4100	DEANS OFFICE: LAW	4	LAW		
06MPRP	PRE REGIS: M THESIS/DISSERTATION: FEBE	6100	DEANS OFFICE: ENGINEERING	6	ENGINEERING&BUILT ENVIRONMENT		
06PRER	PRE REGIS: D THESIS/DISSERTATION: FEBE	6100	DEANS OFFICE: ENGINEERING	6	ENGINEERING&BUILT ENVIRONMENT		

Curriculum Data Audit - Qualification List

Tools Reports

Filters

Calendar Year: 2018

Qualification Faculty: All

Qualification Department: TRANSP & SUPPLY CHAIN (CEP)

Qualification Type:

Approved Qualification: All

Qualification: All

Active Qualification

Active Subjects

Audit Status

- All
- A1LOGP | Adv Dip in Logistics
- A1TRMP | Adv Dip in Transportation Management
- BRTMB1 | ROAD TRANSPORT MANAGEMENT BRIDGING
- CLM001 | CERTIFICATE IN LOGISTICS MANAGEMENT
- D1DLMQ | Diploma in Logistics Management
- D1DTMQ | Diploma in Transportation Management
- D1LOGO | Diploma in Logistics Management
- D1RTFQ | Dip in Road Transport Manage (Freight)
- D1RTPQ | Dip in Road Transport Manage (Passenger)

Qualifications

Qual	Qualification			Fac	Faculty	Status	Actions
A1LOGP	Adv Dip in Logistics		CEP)	147	MANAGEMENT (CEP)		
A1TRMP	Adv Dip in Transportation Manag		CEP)	147	MANAGEMENT (CEP)		
BRTMB1	ROAD TRANSPORT MANAGEM		CEP)	147	MANAGEMENT (CEP)		
CLM001	CERTIFICATE IN LOGISTICS MANAGEMENT	1475	TRANSP & SUPPLY CHAIN (CEP)	147	MANAGEMENT (CEP)		
D1DLMQ	Diploma in Logistics Management	1475	TRANSP & SUPPLY CHAIN (CEP)	147	MANAGEMENT (CEP)		
D1DTMQ	Diploma in Transportation Management	1475	TRANSP & SUPPLY CHAIN (CEP)	147	MANAGEMENT (CEP)		
D1LOGO	Diploma in Logistics Management	1475	TRANSP & SUPPLY CHAIN (CEP)	147	MANAGEMENT (CEP)		
D1RTFQ	Dip in Road Transport Manage (Freight)	1475	TRANSP & SUPPLY CHAIN (CEP)	147	MANAGEMENT (CEP)		

1 2 3 4 5 6 7 Page size: 8

56 items in 7 pages

Curriculum Viewer

Table 1: Qualification Detail Information

Calendar Year	2018
Faculty	147 - MANAGEMENT (CEP)
Department	1475 - TRANSP & SUPPLY CHAIN (CEP)
Qualification Code	D1RTPQ
Qualification Name	Dip in Road Transport Manage (Passenger)
Qualification Fullname	Road Transport Management (Passengers)
active_indicator_y_n	Y

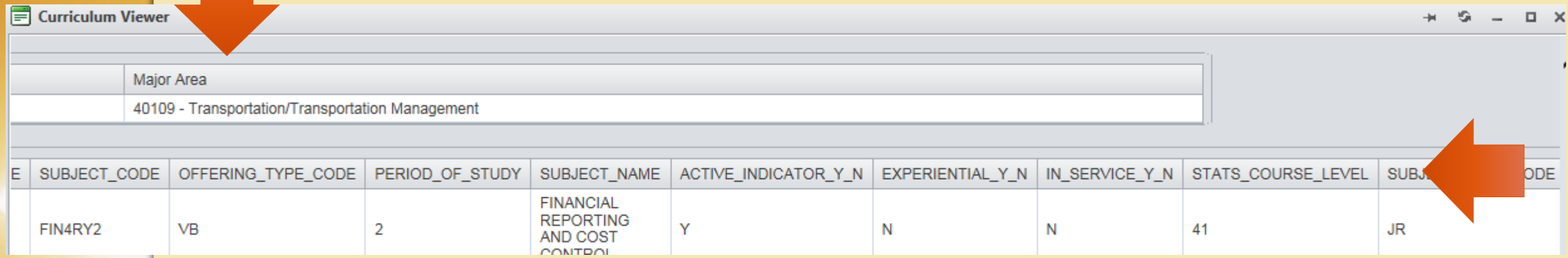
Table 2: Approved Qualification Information

Approved ID Code	7R
Approved ID Name	Diploma
Qualification Type	40 - Diploma (Transport Only)
Formal Y/N	N
Minimum Time - Total	3
Minimum Time - Formal	3
Minimum Time - Experiential	0
Minimum Preparation Time	0
Minimum Research Time	0
NQF Level	
Legacy Indicator	
Extended Program Flag	N

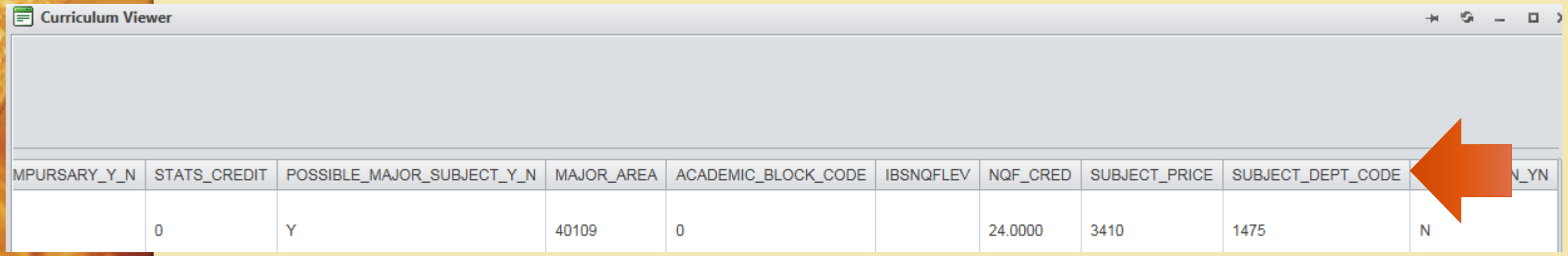
Data Checks

Table 3: Qualification Study Period Information

Offering Type Code	Offering Type	Period of Study
VB	APK CONTINUING EDU PROGRAM	1
VB	APK CONTINUING EDU PROGRAM	2
VB	APK CONTINUING EDU PROGRAM	3


Curriculum Viewer
Major Area
40109 - Transportation/Transportation Management
SUBJECT_CODE
OFFERING_TYPE_CODE
PERIOD_OF_STUDY
SUBJECT_NAME
ACTIVE_INDICATOR_Y_N
EXPERIENTIAL_Y_N
IN_SERVICE_Y_N
STATS_COURSE_LEVEL
FIN4RY2
VB
2
FINANCIAL REPORTING AND COST
Y
N
N
41
JR

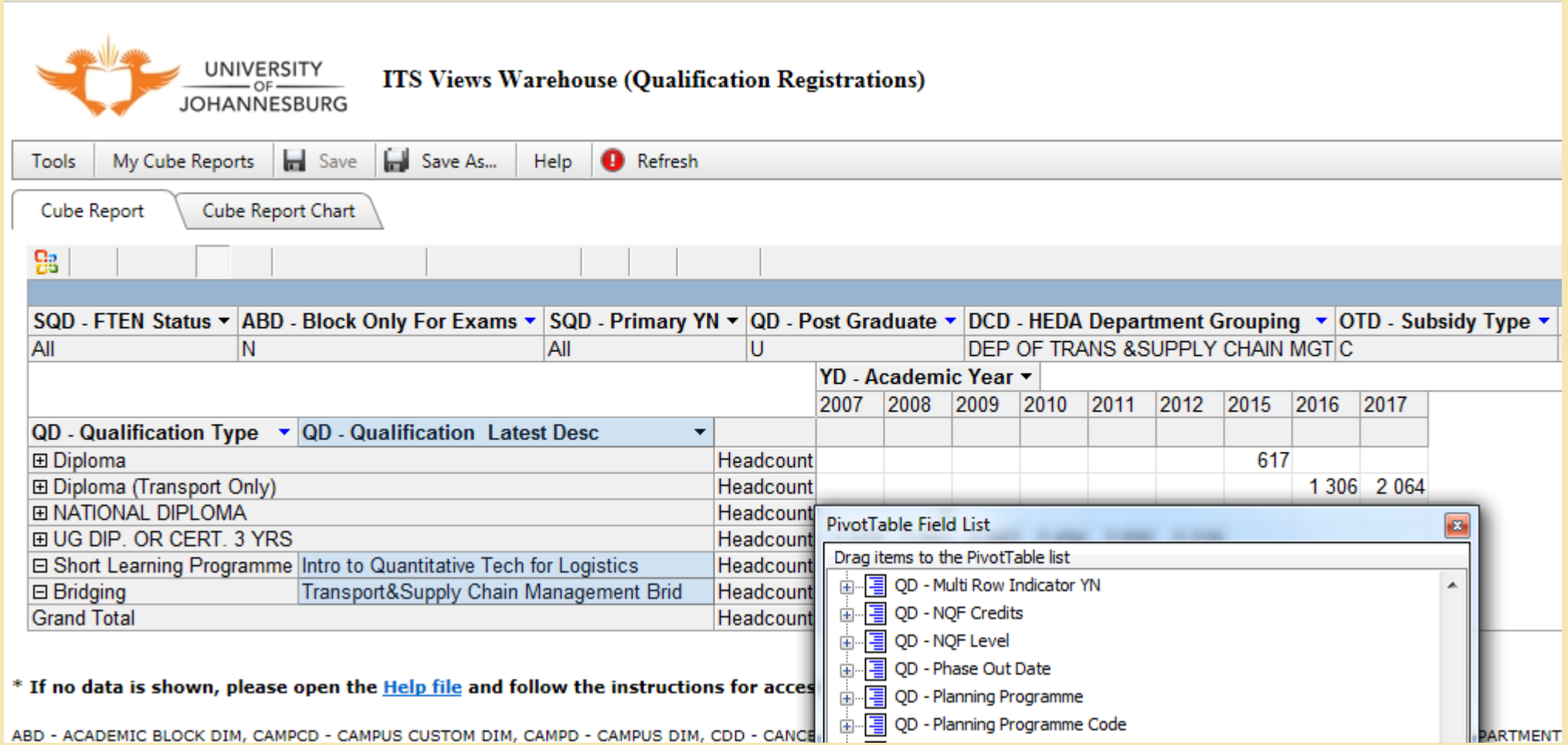
Data Checks


Curriculum Viewer
STATS_CREDIT
POSSIBLE_MAJOR_SUBJECT_Y_N
MAJOR_AREA
ACADEMIC_BLOCK_CODE
IBSNQFLEV
NQF_CRED
SUBJECT_PRICE
SUBJECT_DEPT_CODE
0
Y
40109
0
24.0000
3410
1475
N

Reporting

- Cube Reports
- Fixed Layout Reports
- Dashboard Reports

Cube Reports



Fixed Layout Reports

Student Headcount Enrolments Over 5 Years

Report Parameters

Measure: Qualification headcount enrolments (Last down loaded on Thursday, 24 August 2017)

Race description	2013 N	2014 N	2015 N	2016 N	2017 N	Growth: 13 - 17 %	Change: 16 - 17 %	Trend
⊞ African	38,549	40,582	40,846	43,521	42,852	2.68%	-1.54%	
⊞ Coloured	1,500	1,542	1,562	1,630	1,541	0.68%	-5.46%	
⊞ Indian	2,195	2,203	2,237	2,216	2,136	-0.68%	-3.61%	
⊞ White	6,043	5,362	4,710	4,331	3,822	-10.82%	-11.75%	
⊞ No Information	0	1	0	0	8	100.00%	100.00%	
Total	**48,287**	**49,690**	**49,355**	**51,698**	**50,359**	**1.06%**	**-2.59%**	

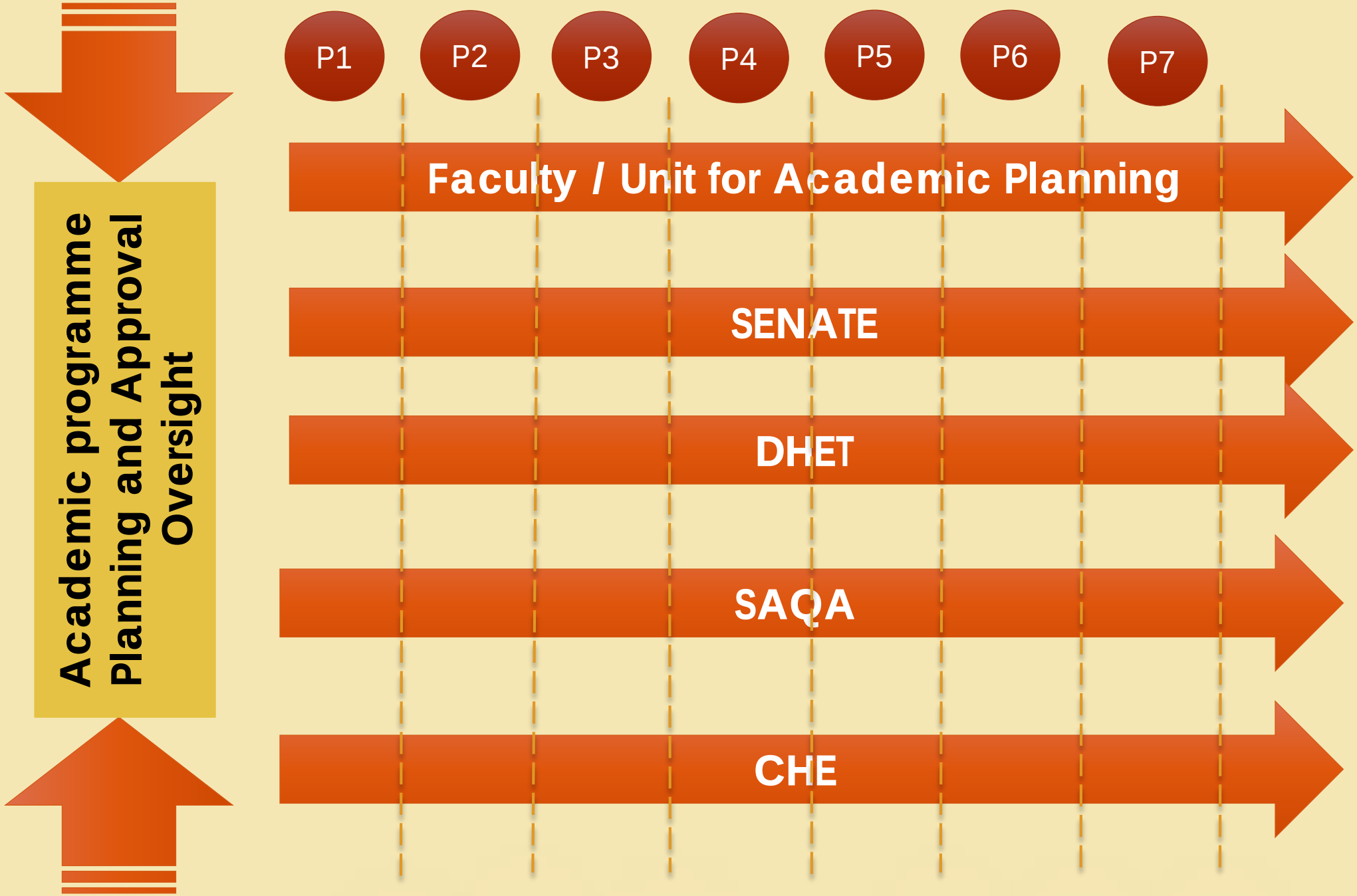
REPORT ON COMPLETION STATUS OF MARKS CAPTURED

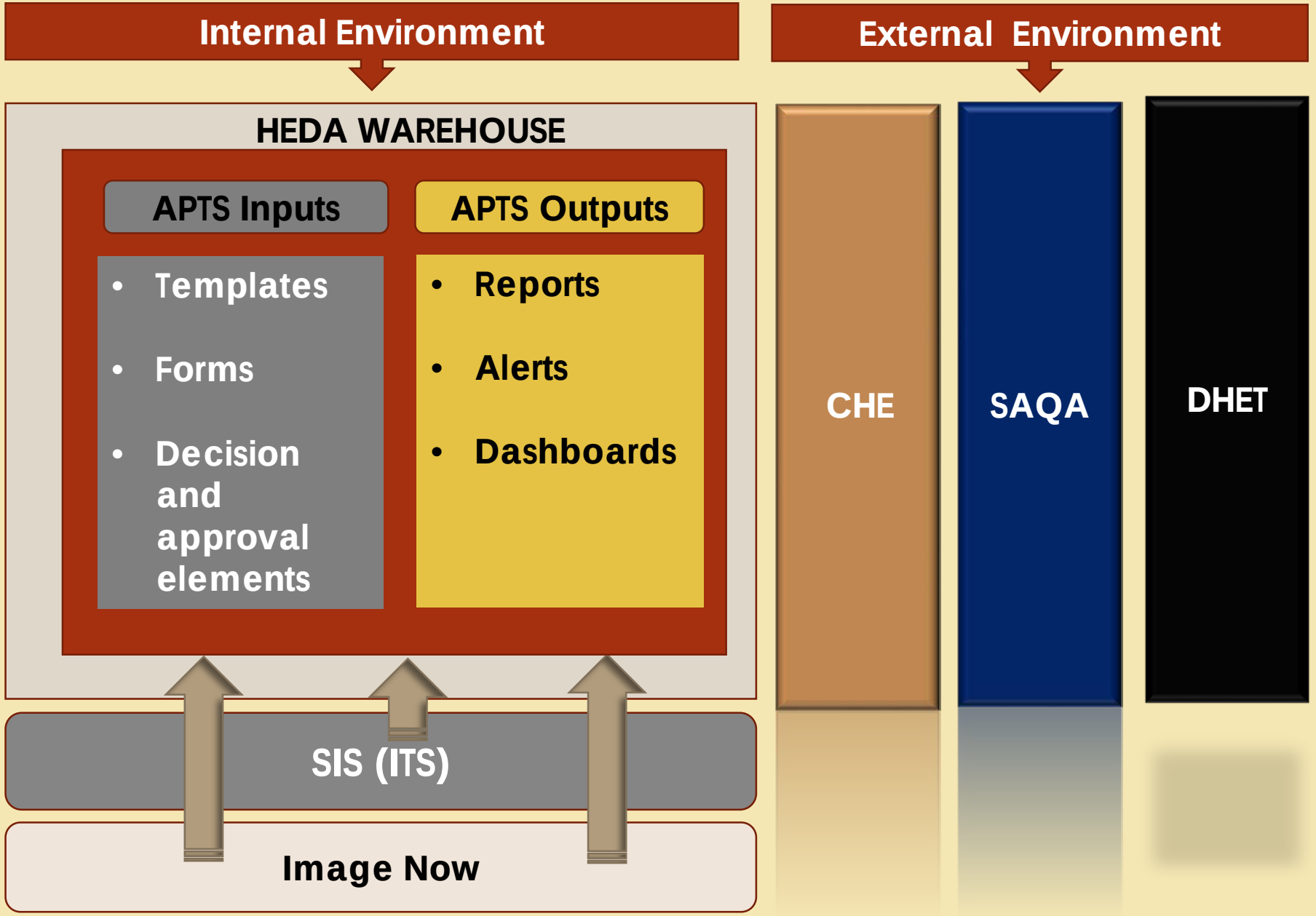
Report Parameters :			
Academic Year :	2017	Exam Month :	All
Faculty :	All	Subsidy Type :	All
Department :	1415I - DEP OF TRANS &SUPPLY CHAIN MGT	Completion Status :	All
Subject Code :	All	Exam Date :	All
Under/Post Graduate:	All	Period of Study :	All
Subject Type :	All		

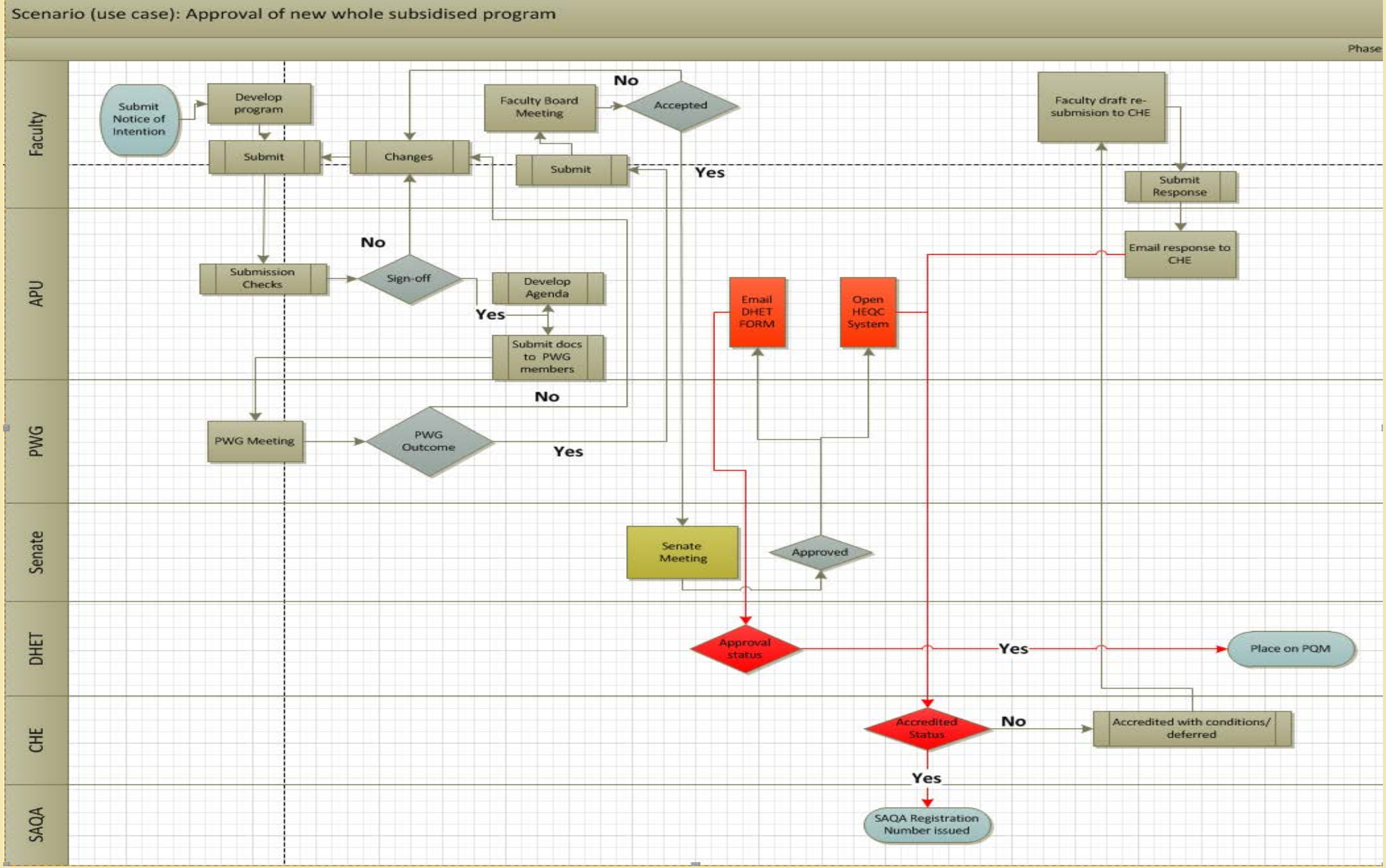
Module Code	Module Name	Students Registered	Students Admitted	Paper Number	Exam Date	Due date for submitting marks	Preliminary Publication Date	Exam Result Date	Publication cut-off Date	Students Marks Not Captured	Completion Status
RDB1000	MANAGING A ROAD TRANSPORT OPERATION	4	4	1	2017-01-09	2017-01-16	2017-01-17	2017-01-30	2017-01-20	0	100%
MKMTMY1	MARKETING MANAGEMENT	118	118	1	2017-01-09	2017-01-16	2017-01-17		2017-01-20	0	100%
VLB0500	PROCUREMENT MANAGEMENT	6	6	1	2017-01-09	2017-01-16	2017-01-17		2017-01-20	0	100%
LMS23B3	LOGISTICS MANAGEMENT SYSTEMS B	27	27	1	2017-01-09	2017-01-16	2017-01-17		2017-01-20	0	100%
TPETMY2	TRANSPORT ECONOMICS	10	8	1	2017-01-09	2017-01-16	2017-01-17		2017-01-20	2	100%
RTO1RY1	MANAGING A ROAD TRANSPORT OPERATION	32	32	1	2017-01-09	2017-01-16	2017-01-17		2017-01-20	0	100%
VLB0002	WAREHOUSE & MATERIALS HANDLING	32	31	1	2017-01-09	2017-01-16	2017-01-17		2017-01-20	1	100%
LMA8X12	RESEARCH PROJECT: LOGISTICS MANAGEMENT	2	2	1	2017-01-09	2017-01-16	2017-01-17	2017-06-01	2017-01-20	-1	100%

Academic Programme Tracking System

New Development


Academic programme Planning and Approval Oversight
P1
P2
P3
P4
P5
P6
P7
Faculty / Unit for Academic Planning
SENATE
DHET
SAQA
CHE


Internal Environment
External Environment
HEDA WAREHOUSE
APTS Inputs
APTS Outputs
• Templates
• Forms
• Decision and approval elements
• Reports
• Alerts
• Dashboards
CHE
SAQA
DHET
SIS (ITS)
Image Now


Scenario (use case): Approval of new whole subsidised program
Phase
Faculty
APU
PWG
Senate
DHET
CHE
SAQA
Submit Notice of Intention
Develop program
Submit
Changes
Faculty Board Meeting
No
Accepted
Yes
Submit
Faculty draft re-submision to CHE
Submit Response
Email response to CHE
Submission Checks
Sign-off
No
Develop Agenda
Yes
Submit docs to PWG members
Email DHET FORM
Open HEQC System
No
PWG Meeting
PWG Outcome
Yes
Senate Meeting
Approved
Approval status
Yes
Place on PQM
Accredited Status
No
Accredited with conditions/ deferred
Yes
SAQA Registration Number issued

Watch this space

Single repository for reporting and monitoring

Thank you

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The Future. Reimagined.

UNIVERSITY OF JOHANNESBURG