

UEL Information Strategy and Student Engagement Analytics

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**Learning Analytics Network: Harnessing the power of information through intelligent analytics.
University of East London in Association with Jisc**

UEL IS Vision

‘The aim of the strategy is to move the university to a position where it understands how to use data as a strategic asset.’

To move toward a culture of informed, evidence based decision making, to use the potential of modern technologies to derive business intelligence to improve the student experience, better inform course design, develop the curriculum offer, understand and develop the most effective pedagogies, better informed research and streamline business processes. The Information strategy seek to enable a more agile organisation that is responsive and adaptable to its environment.

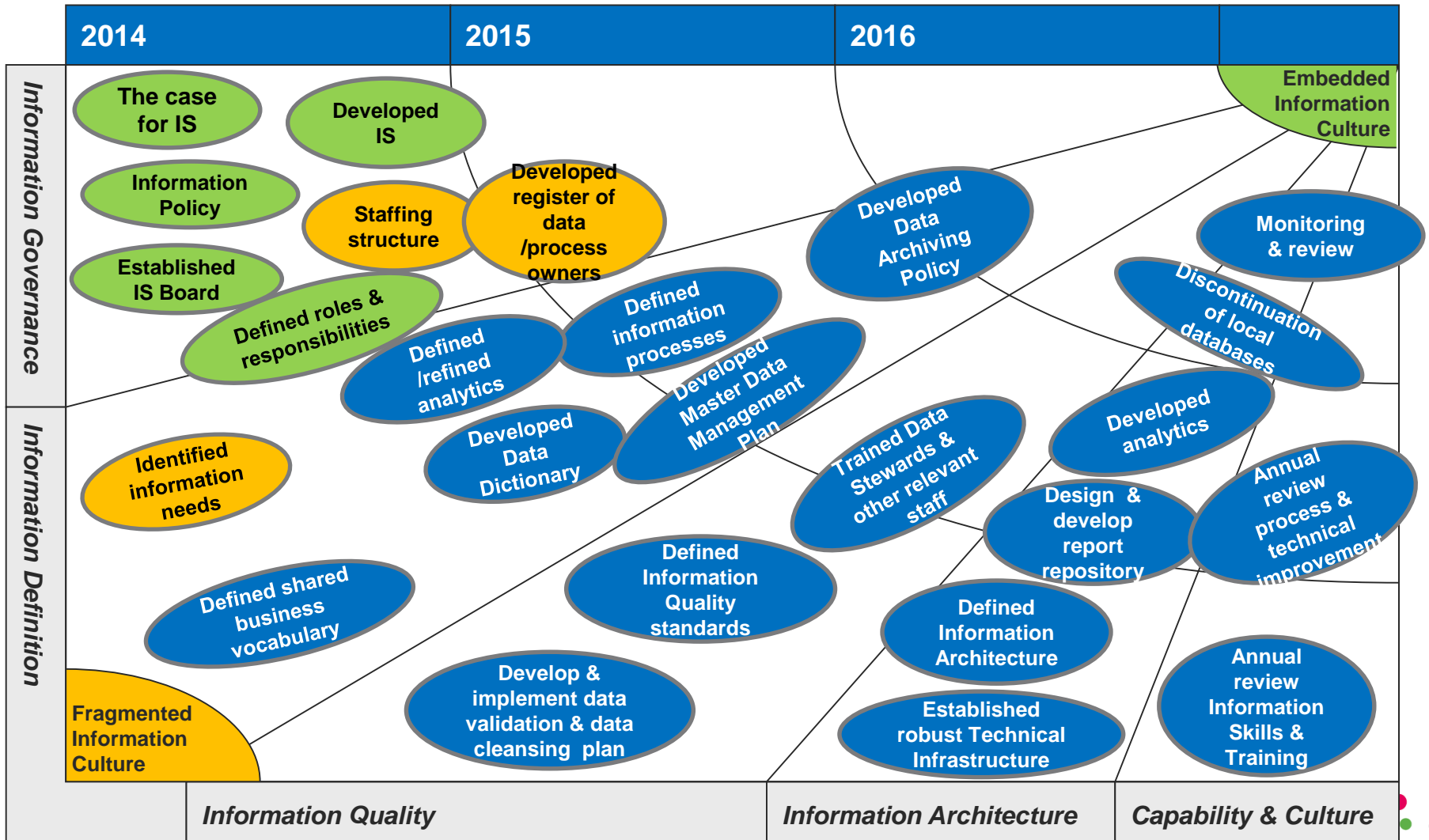


Aims & Objectives

- To improve data quality, streamline business processes, improve data security and more effectively derive business intelligence
- To ensure that the university's processes comply with legislative requirements and national & international standards.
- To equip and support staff with data analysis & data interpretation skills
- To use information to advance university's research agenda
- To improve the availability and exploitation of management information to support effective decision making processes
- To utilise external data in the delivery of business intelligence to the university
- To protect information security & appropriate use of data



Information Strategy Realisation Map



Learning Analytics @UEL

- To support student retention, enrich learning experience, enhance progression rate and increase employability success rate through the
- to improve learning and transform pedagogy
- Provide a clear framework for the ethical use of LA to drive student support

What we have done so far?

- Developed “early warning system” to identify students potentially at risk of leaving the university
- Portrayed in a student dashboard
- Developing student engagement indicator



Latest Dashboard:

Main Personal Tutors Student Summary



Academic Year 2011/2 2012/3 2013/4 **2014/5**
Semester SEMA SEMB
 Compulsory Y
 Student Search 0003347 0004643 0006223

Academic Week Number 1 2 3 4 5 6 7 8 9 10 11 12

Reset Personal Tutor
 Personal Tutor
 Clear Enrolment Status
 Enrolment Status
 Back

Attendance and Moodle Activity by Student

Latest Extract Date
18/02/2015 06:08:46

- School**
- Architecture, Computing & Engineering
 - Arts & Digital Industries
 - Business and Law
 - Cass School of Education and Communities
 - Combined Honours
 - Distance & E-Learning
 - Graduate School
 - Health, Sport & Biosciences
 - Law & Social Sciences
 - Psychology
 - Royal Docks Business School
 - Social Sciences

- Module**
- AC4001
 - AC4001T
 - AC4002
 - AC4002T
 - AC4003
 - AC4004
 - AC4017T
 - AC4027T
 - AC5001
 - AC5002

School	Student	Name	Route	Personal Tutor	Module	% Overall Attendance	% Attendance per Module	Moodle Activity
						69%	69%	6396880
Architecture, Computing & Engineering	0015906	Ade Ajasa	SM0043	MIKE7	CN6106T	100%	100%	5111
Architecture, Computing & Engineering	0015906	Ade Ajasa	SM0043	MIKE7	CN6112	100%	100%	5111
Architecture, Computing & Engineering	0015906	Ade Ajasa	SM0043	MIKE7	CN6112T	100%	100%	5111
Architecture, Computing & Engineering	0020008	Jacqueline Green	SM0006	ATAWIL	CN4106	54%	48%	185
Architecture, Computing & Engineering	0020008	Jacqueline Green	SM0006	ATAWIL	CN5104	54%	30%	185
Architecture, Computing & Engineering	0020008	Jacqueline Green	SM0006	ATAWIL	CN5108T	54%	57%	185
Architecture, Computing & Engineering	0020008	Jacqueline Green	SM0006	ATAWIL	CN5110	54%	55%	185
Architecture, Computing & Engineering	0020008	Jacqueline Green	SM0006	ATAWIL	CN5111T	54%	50%	185
Architecture, Computing & Engineering	0020008	Jacqueline Green	SM0006	ATAWIL	CN5200T	54%	89%	185
Architecture, Computing & Engineering	0104006	Christopher Bishop	CM0447	HADRY5	AR7181	75%	50%	41
Architecture, Computing & Engineering	0104006	Christopher Bishop	CM0447	HADRY5	AR7182	75%	80%	41
Architecture, Computing & Engineering	0119545	Beverly Davis	SM0010	EDOH	CN6103T	73%	73%	336
Architecture, Computing & Engineering	0123575	Gemma Pinon	SM0010	EDOH	CN6103	90%	90%	2132
Architecture, Computing & Engineering	0123575	Gemma Pinon	SM0010	EDOH	CN6107	90%	90%	2132
Architecture, Computing & Engineering	0123575	Gemma Pinon	SM0010	EDOH	CN6111	90%	78%	2132
Architecture, Computing & Engineering	0123575	Gemma Pinon	SM0010	EDOH	CN6112	90%	100%	2132
Architecture, Computing & Engineering	0123575	Gemma Pinon	SM0010	EDOH	CN6113	90%	88%	2132
Architecture, Computing & Engineering	0123575	Gemma Pinon	SM0010	EDOH	CN6211	90%	100%	2132
Architecture, Computing & Engineering	0214973	Tahir Hussain	SM0298	CAZAN	EG6110	57%	59%	78
Architecture, Computing & Engineering	0214973	Tahir Hussain	SM0298	CAZAN	EG6112	57%	47%	78
Architecture, Computing & Engineering	0214973	Tahir Hussain	SM0298	CAZAN	EG6113	57%	50%	78
Architecture, Computing & Engineering	0214973	Tahir Hussain	SM0298	CAZAN	EG6116	57%	60%	78
Architecture, Computing & Engineering	0214973	Tahir Hussain	SM0298	CAZAN	EG6117	57%	64%	78
Architecture, Computing & Engineering	0214973	Tahir Hussain	SM0298	CAZAN	EG6119	57%	64%	78
Architecture, Computing & Engineering	0218460	Adeka Onyilo	CM0083	RABIH	CN7005	66%	38%	325
Architecture, Computing & Engineering	0218460	Adeka Onyilo	CM0083	RABIH	CN7006	66%	63%	325



Academic Year: 1/2 2012/3 2013/4 **2014/5** Semester: SEMA SEMB Compulsory: Y Student Search: 0222316
 0003347
 0004643

Reset: Personal Tutor
 Personal Tutor
 Clear: Enrolment Status
 Enrolment Status C
 Back

Attendance and Moodle Activity by Student

Student Attendance Table

School	Student	Name	Route	Personal Tutor	Module	% Overall Attendance	% Attendance per Module	Moodle Activity
Architecture, Computing & Engineering	0222316	John Olorunsuyi	SM0152	-	EG4140	85%	85%	1451
Architecture, Computing & Engineering	0222316	John Olorunsuyi	SM0152	-	EG4141	85%	93%	1451
Architecture, Computing & Engineering	0222316	John Olorunsuyi	SM0152	-	EG4142	85%	68%	1451
Architecture, Computing & Engineering	0222316	John Olorunsuyi	SM0152	-	EG4143	85%	100%	1451
Architecture, Computing & Engineering	0222316	John Olorunsuyi	SM0152	-	EG4150	85%	100%	1451
Architecture, Computing & Engineering	0222316	John Olorunsuyi	SM0152	-	EG4151	85%	91%	1451
Architecture, Computing & Engineering	0222316	John Olorunsuyi	SM0152	-	EG4152	85%	46%	1451

[View the Moodle activity log table](#)
[Hide Table](#) [Show Table](#)

Moodle activity log table

Moodle event	Event count
	1451
view	1052
login	167
continue attempt	65
launch	46
view all	44
review	20
view discussion	17
view summary	10
view forum	8
attempt	5
close attempt	4
logout	3
pre-view	3
view submit assignment form	3
recent	2
submit	2



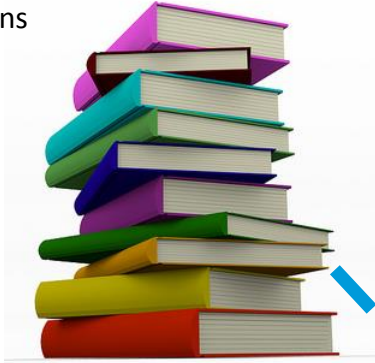
Student Engagement Application:

- Stage 1: Attendance
- Stage 2: Attendance and Moodle VLE
- Stage 3...



Current Developments:

Library book loans

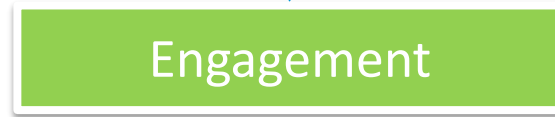


Attendance

Samsung tablet
Kortext data



Athens
online
journals



Coursework
grades and
marks



Thank You

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