

Meeting Student Demand using Blackboard as a Portal

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Outline

- Delft University of Technology
- What are our student demands?
- What have accomplished?
- Do they use it?
- Experiences
- Future plans







Delft University of Technology





BbWerldEurope
Educate. Innovate. Everywhere.**

Delft University of Technology

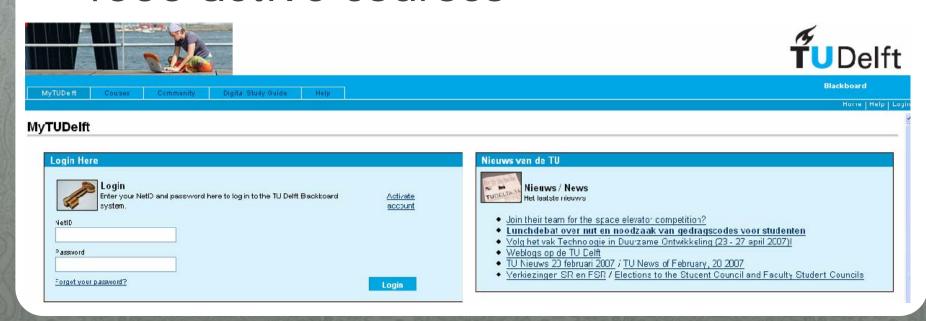
- One campus in Delft
- 14000 students, mostly fulltime
- 5000 employees
- 10-15% international students





Blackboard at the DUT

- Using Blackboard since 1999
- Started with CourseInfo 4
- Since 2005 full Academic Suite
- 4000 active courses



Student demands

	BK	СТ	TA	ET	TI	TW	IO	LR	MT	WB	TBM	LST	ST	TN	OE	TIL	TUD
Kwaliteit studiegids faculteit	6,5	6,9	7,3	7,1	6,7	7,1	6,7	6,2	6,4	6,7	6,5	7,5	7,0	6,9	7,4	7,0	6,7
Beschikbaarheid studiegids faculteit	6,5	7,0	7,5	7,3	6,8	6,9	6,5	6,8	7,0	6,9	6,3	6,9	6,3	6,9	7,6	6,0	6,7
Kwaliteit overzicht keuzevakken	6,0	6,4	5,7	6,6	6,1	6,4	5,8	6,2	5,7	6,0	5,7	6,4	5,9	6,3	6,0	5,9	6,1
Informatie op website faculteit	6,3	6,0	5,8	6,4	6,0	6,3	6,0	6,5	6,3	6,3	6,2	6,4	6,1	6,1	6,2	6,0	6,2
Kwaliteit informatie blackboard	6,6	6,8	6,8	7,2	6,8	6,8	6,4	7,0	7,1	7,0	7,1	6,7	7,0	6,9	6,9	6,8	6,8
Kwaliteit TU Delft communicatie door Delta	6,3	6,4	6,4	6,5	6,3	6,4	6,2	6,7	6,4	6,6	6,6	6,1	6,8	6,4	7,3	5,9	6,4
Kwaliteit communicatie door facultaire nieuwsbladen	6,4	6,1	6,6	6,3	6,2	6,0	5,7	6,4	5,8	6,0	6,3	5,9	6,5	6,4	5,8	5,8	6,2
Bekendheid mondelinge voorlichtingsbijeenkomsten	5,7	5,9	6,1	5,9	5,4	5,9	5,1	6,0	5,9	5,7	5,9	6,3	5,5	6,0	5,0	5,2	5,7
Communicatie wijzigingen onvoorziene omstandigheden	5,2	5,7	5,9	6,3	5,9	6,3	5,1	6,0	5,9	6,1	5,9	6,5	6,0	6,1	5,7	5,4	5,7
Informatievoorziening over het studieprogramma	6,0	5,3	6,4	6,6	6,2	6,2	5,9	6,6	6,3	6,4	6,3	7,0	6,3	6,3	7,0	6,1	6,2
Informatievoorziening	6,1	5,4	6,4	6,7	6,3	6,4	6,0	6,4	6,3	6,4	6,3	6,7	6,3	6,4	6,6	6,0	6,3
N (minimaal)	613	279	48	119	185	52	277	392	64	260	184	44	77	111	10	15	2866
N (maximaal)	879	428	62	168	267	77	529	560	98	<u>4</u> 53	249	99	114	187	13	17	4214





Student demands

- Use Blackboard as main communication tool.
- Provide links to all the information we need.





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What have we accomplished?







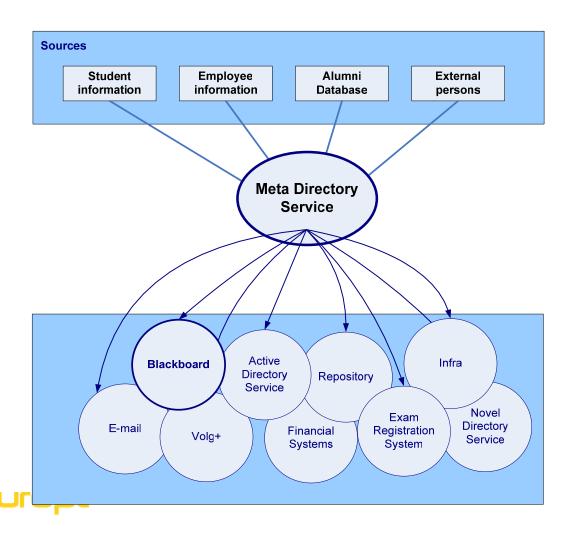
Identity Management

- Every user has multiple roles.
- Is based on the Meta directory (LDAP)
- Using Snapshot





Identity Management







Portal Roles

- Each user has an primary role: student, faculty, alumni, toptech
- And multiple secondary roles: faculty X, cohort 2006, Ba/Ma
- Now 84 roles





Role Label	Role ID	▼ Description	Primary Count	Secondary Count	
Student	STUDENT		43,093	15	Modify
Faculty	FACULTY		15,365	20	Modify
Alumni	ALUMNI		9,166	2	Modify
TopTech	ROLE_9		556	0	Modify

Role Label	Role ID	Description	Primary	Secondary	
Of Charles and Control	(F) (Statement)	M. SERVICE MARKET	Count	Count	
Toegang tot TDS	tds	Deze persoon heeft toegang tot de TU Delft Distributieserver Software.	0	27,306	Modify
Cohort - ouderejaars	student-ouderejaars		0	22,819	Modify
Bachelor	ba		0	17,087	Modify
Master	ma		0	11,640	Modify
Cohort - 2005	student-2005		0	5,416	Modify
Faculteit Bouwkunde	fac-bk		0	5,327	Modify
Cohor 2006	student-2006		0	5,061	Modify
BA - Bouwkunde	ba-bk		0	3,630	Modify
MA - Architecture, Urbanism and Building Sciences	ma-ar		0	3,240	Modify
Faculteit EWI	fac-ewi		0	3,108	Modify
Faculteit CiTG	fac-citg		0	3,074	Modify
Faculteit 3mE	fac-3me		0	3,020	Modify
Faculteit LR	fac-Ir		0	2,829	Modify
Faculteit IO	fac-io		0	2,711	Modify
Faculteit TNW	fac-tnw		0	2,436	Modify
BA - Luchtvaart- en Ruimtevaarttechniek	ba-Ir		0	2,308	Modify
BA - Industrieel Ontwerpen	ba-io		0	2.213	Modifi

Tabs

- Different tabs for different users:
 - Students MyTUDelft My Content MyStudentInfo MyFaculty Courses Community Help
 - Staff
- MyTUDelft My Content Staff Info MyFaculty Courses Community Help
- Alumni



Post-graduate students







Modules

- 120 modules
- 10 different types of modules of which 5 added by building blocks
- Some examples





RSS

 Include information from other websites into the Blackboard portal

Maintenance

Maintenance Business Objects Feb.23rd

Business Objects will not be available on Friday, February 23, between 00:00 and 13:00 hours (1:00 PM) due to maintenance.

Maintenance wireless network feb. 21st

On Wednesday 21 February (in extra service-window) between 17.30 hours maintenance are committed to the Wireless network of the Car means that there during the activities discontinuances of the wireless take place c

Webmail EWI partially not available

EWI Webmail is at this moment partially not available.

Recent FAQ's

- I get an error when I download a file with IE 7
- My password suddenly doesn't seem to work.
- Where can I find more information about the Advanced Group Tool?
- Why do I get the message "Challenge Token Null"?
- What are "Course Cartridges" and how do I use them?

more..

more..

Building block:
 RSS Console from vlegenius





HTML

Static information

Roosters / Time Tables

Klik op de relevante link voor de studieroosters van jouw studie. Click the link to the student time table of your study programme.

EWI

TNW

CiTG -TA

L&R

3mE

10

TBM

TDS

TUD Distribution server Software

Now it's possible to download the software of which there is a campus contract. New versions of the software will be made available on this system.

Go to software

Ideeënlijn 0 & S

Studenten en medewerkers kunnen vanaf heden hun sug van onze diensten melden via de site: www.ideenlijnOS.tok ook klachten gemeld worden.

To improve the services of The Office of Education and S suggestions and comments at: www.ideenlijnOS.tudelft. also free to report them here.



Readers



• Handleiding

De dictaten kunnen afgehaald worden op een van de servicepunten, danwel via Nextprint naar het huisadres gestuurd worden.

Je kunt voor vragen hier terecht.



Manual

An external printing office will send the readers directly to your home address or you can pick them up at one of the Servicepunten.

For questions you can contact these persons.

Links

Links to other university information



Building block: MyWeblinks Plus





Links

1 Select Web Links Choose the Web Links you would like to see by clicking on the boxes next to each of the Web Links. Please select items you'd like to display (uncheck to not display). Those that have a red checkmark next to them are mandatory and must be displayed. ✓ Algemeen / General ✓ TU website ✓ TU Campus website ✓ Studentenzaken / Student Affairs ☑ Central Student Administration ✓ Studie adviseurs / Faculty Student Counsellors ☑ Studentdecanen / University Student Counsellor - voor (toekomstige) studenten en afgestudeerden Smart Study - methodieken om effectiever te studeren ✓ Studentenpastoraat / Student Chaplaincy ✓ Studentengezondheidszorg / Student Healthcare ✓ Studentenraad / Student Council ☑ Sportcentrum / Sport Facilities ✓ Onderwijs & Studentzaken ☐ Klachten / Complaints ■ Meldpunt voor te laat nagekeken tentamens Ombudsman ■ Diverse zaken / Miscellaneous OLI - Online Internet ■ VSSD - studentenvakbond in Delft / Student Union in Delft ■ Studium Generale Delta - Online versie van het universiteitsblad ■ Shared Service Centre ICT

Blackboard

Custom building blocks (1)

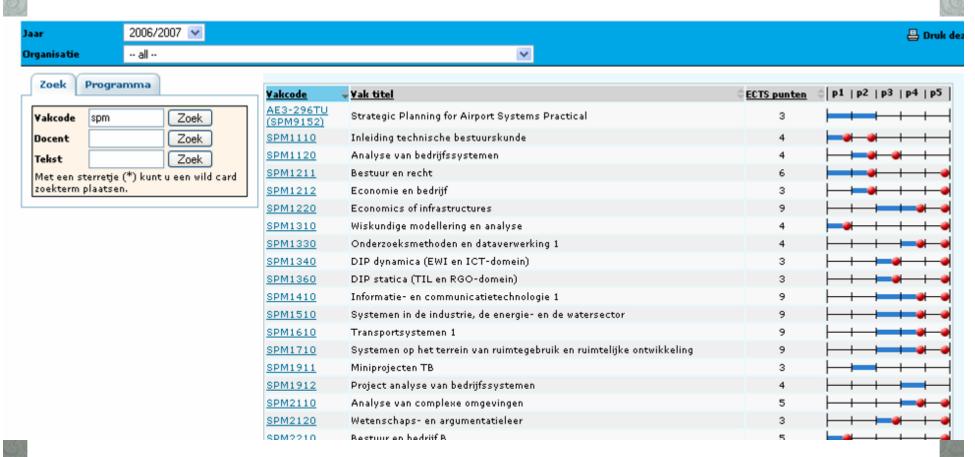
Course information

TUDelft course inf	ormation	0
Year	2006/2007 💌	
Organization	Elektrotechniek, Wiskunde en Informatica	~
Course code	Go	SIS SIS
Instructor	Go	Study Information System
Text	Go	Study Habilitation System
The asterisk (*) can	be used as wildcard character in the search.	





Custom building blocks (1)







Custom building blocks (2)

Exam Results

Volg+ Exam Results		
Last 5 exam results		
Course	Date Result	Result
SPM1999 D2	2007-02-02	7
SPM2310	2007-01-18	6
SPM1911	2007-01-02	6
SPM2941	2006-11-09	6
WI1325TB	2006-11-02	5
All results ISP		





Custom building blocks (2)

Marie Individual Study Program

Technische Bestuurskunde : Leerroute TB Bachelor opleiding	Date	Re	sult
Prop-I-03: Propedeutisch Examen 2003 domein I			
L P-03 domein I:			
SPM1110: Inleiding technische bestuurskunde	03-11-2004	9	
SPM1120: Analyse van bedrijfssystemen	07-04-2005	6	+
SPM1210: Bestuur en bedrijf A	19-01-2005	6	
SPM1310: Wiskundige modellering en analyse	23-08-2006	5	+
SPM1330: Onderzoeksmethoden en dataverwerking 1	07-04-2006	8	
W1318TB : Analyse 1	22-08-2005	9	+
W1319TB : Analyse 2	01-07-2005	2	+
W1321TB : Kansrekening en statistiek	29-08-2006	4	+
SPM1910: DIP studio	03-12-2004	3	
SPM1910 D1: tentamen DIP studio	03-12-2004	3	
SPM1910 D2: toets mondeling presenteren DIP studio	19-11-2004	٧	
SPM1911: Miniprojecten TB	02-01-2007	6	+
SPM1912: Project analyse bedrijfssystemen	30-06-2005	7	
SPM1921: Project bestuur en bedrijf			
SPM1340: DIP mechanica dynamica	06-04-2005	6	
SPM1410: Informatie en communicatietechnologie 1	22-06-2005	7	

Custom building blocks (3)

- Exam registration
 - Overview of your personal exams

TAS: Exam	TAS : Exam / Practical registrations					
First 5 activities						
Course	Location	Date & Time				
IN4150P	C.Drebbelweg - Practicumzaal DW_1-170	19-09-2006 13:45-17:45				
IN3410	Expected by : 24-10-2006	30-10-2006 09:00-12:00				
WI3210IN	Expected by : 25-10-2006	31-10-2006 09:00-12:00				
ET3301	Expected by : 26-10-2006	01-11-2006 09:00-11:00				
IN2770	Expected by : 27-10-2006	02-11-2006 09:00-12:00				
Show All / D	etails TAS Campus Map					





Custom building blocks (3)

Overview of registered activities

Act.	Course	Event	Date & Time	Location	De-register till	Status	5
PR	IN4150P : Distributed Algorithms (Lab)	IN4150P [061]	19-09-2006 13:45-17:45	C.Drebbelweg - Practicumzaal DW_1-170	12-09-2006	NA	
Е	IN3410 : Distributed Systems	IN3410 [061]	30-10-2006 09:00-12:00	Expected by : 24-10-2006	23-10-2006	R	
E	WI3210IN: Scientific Computing and Simulation I	WI3210IN [061]	31-10-2006 09:00-12:00	Expected by : 25-10-2006	24-10-2006	R	
E	ET3301 : Embedded Systems	ET3301 [061]	01-11-2006 09:00-11:00	Expected by : 26-10-2006	25-10-2006	R	!
Е	IN2770 : Computer Graphics	IN2770 [061]	02-11-2006 09:00-12:00	Expected by : 27-10-2006	26-10-2006	R	

Legend Act. Exam PR Practical Comment For this activity OSA comments are available. Move mouse over for details. For this registration OSA comments are available. Move mouse over for details. Status Registered Your registration for this activity is known, but not processed yet. Admitted The Faculty Student Administration has set your registration to 'Admitted'. You comply with the admission requirements. Placed The Faculty Student Administration has all admitted students given 'Room Assignment'. In the detailed information you can find in which room you are required to NA Not Admitted (Grayed Out) The Faculty Student Administration has set your registration to 'Not Admitted'. You don't comply to the admission requirements. The room assignment has been executed by the Faculty Student Administration. Because of room shortage not everybody can have a room assignment. Your NP Not Placed (Grayed Out) admission did not result into a room assignment. This can be the case with Practical Work room assignment only.

The event registrations in this overview are issued to notify you of the registrations attained as registered in TU Delft's Exam / Practical Registration system (TAS). No claims may be made on the basis of this overview and any possible inaccuracies it may contain.

Print Page

TAS

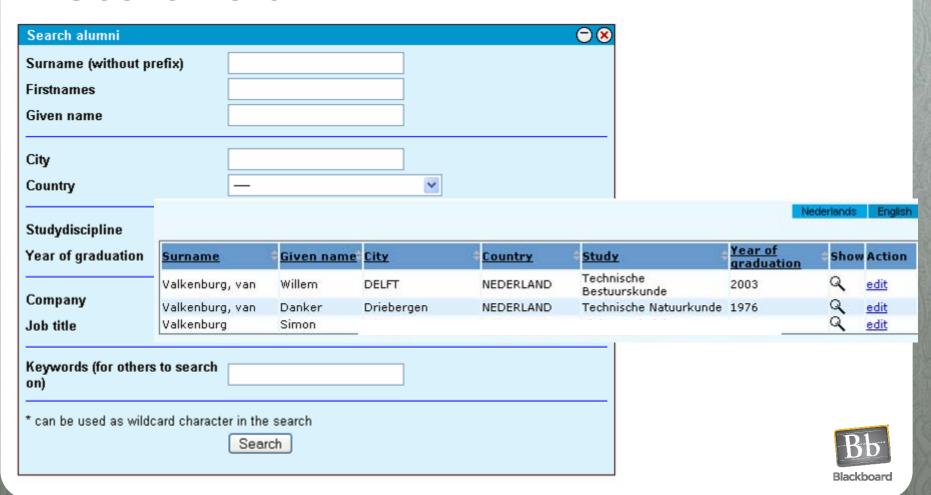
Campus Map





Custom building blocks (4)

Search alumni



Announcements 2 RSS

Personal RSS-feed with your announcement

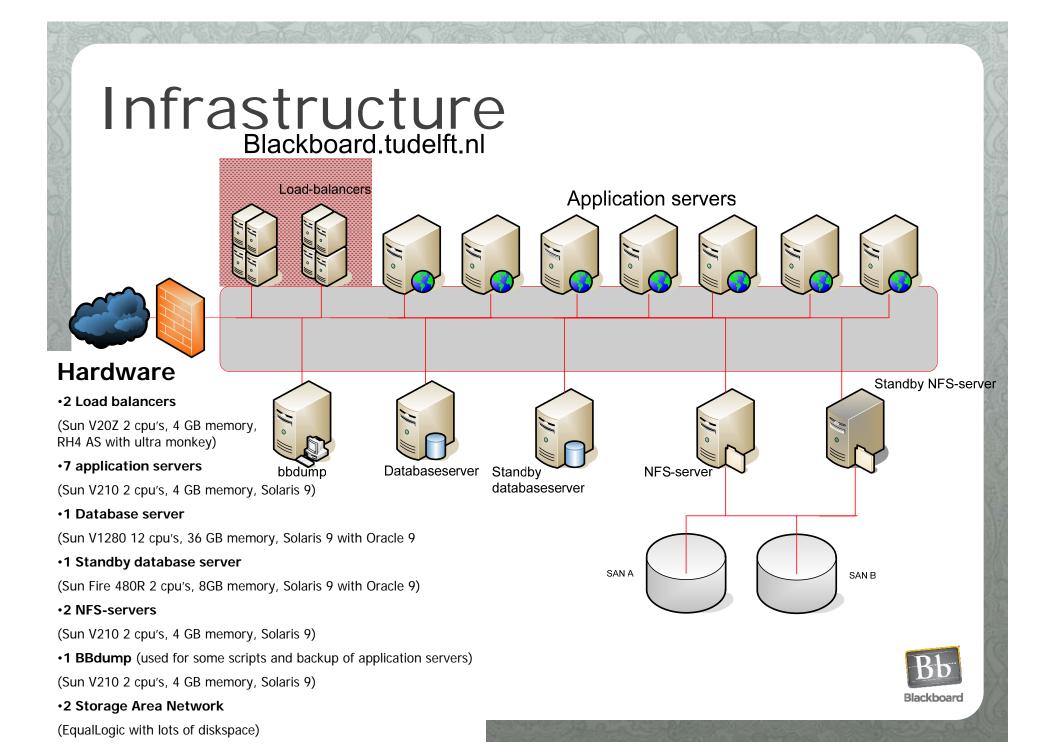




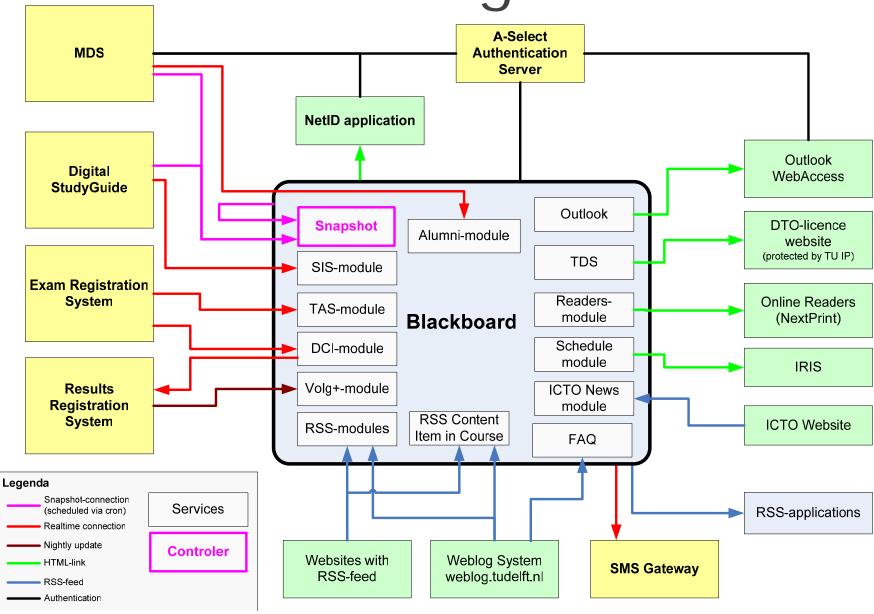


Announcements 2 RSS

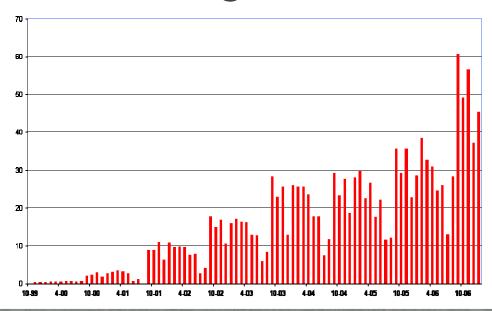
1 subscriber related feeds unsubscribe e	edit subscription
My Blackboard News	
My News	
75 Items Sort Oldest First Updated: Tue, Feb 20 2007 11:18 AM	
[ID3051 Project/Ontwerpen 5 (2006-2007)] Start Ontwerpen 5	
Beste studenten, Welkom in Ontwerpen 5! De introductie van de oefening vindt plaats op woensdag 21 februari a.s.van 15:45 tot 17:45 in zaal T op Id is verplicht.;	O. Aanwezigheid
Posted on: Tue, Feb 20 2007 9:45 AM <u>Email This</u> <u>Clip/Blog This</u>	Keep New: 🗌
[Blackboard Support TU Delft] Survey Posted	
The Survey jhbvjhvj has been made available in Information.	
Posted on: Thu, Feb 15 2007 12:03 PM Email This Clip/Blog This	Keep New: 🗌
[Blackboard Support TU Delft] Rooster week 8	
Posted on: Wed, Feb 14 2007 1:09 PM <u>Email This</u> <u>Clip/Blog This</u>	Keep New: 🗌
[Course Managers and instructors of SIS-courses] DCI niet beschikbaar	
Vanwege de verhuizing van een server werkt op dit moment de DCI plugin niet. Er wordt gewerkt aan een oplossing.	
Posted on: Tue, Feb 13 2007 9:40 AM Email This Clip/Blog This	Keep New: 🗌
[Course Managers and instructors of SIS-courses] onderhoud	
Wegens onderhoudswerkzaamheden is het DCI op dinsdag 13 februari ; ;vroeg in de ;ochtend ;tussen 7.00 en 8.00 uur een korte tijd onbereikbaar (kunnen dus gegevens verloren gaan wanneer u op dit tijdstip werkt met de applicatie)	Let op! er
Posted on: Mon, Feb 12 2007 5:00 PM <u>Email This</u> <u>Clip/Bloq This</u>	Keep New: 🗌



Blackboard integration



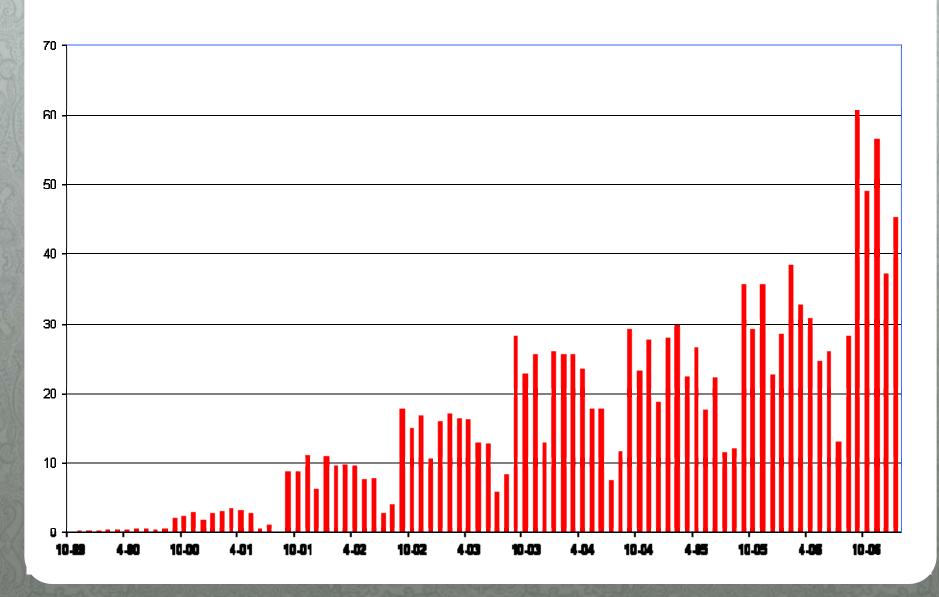
Do they use it?





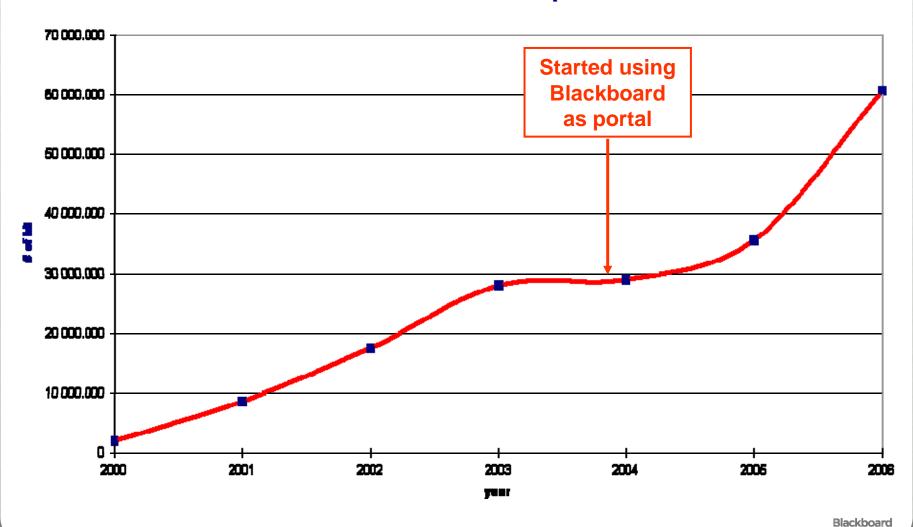


Overall use



Overal use

Number of hits in the month September



The records

max data traffic in a day	218 GB on 9 November 2006
max number of hits in a day	3.9 mln. on 4 September 2006
max number of hits in a month	60.6 mln. in September 2006
Highest daily number of hits	2.02 mln. in September 2006
Highest number of visits in a month	437,967 visits in November 2006
Highest number of page requests in a month	14.5 mln. in September 2006
Highest data traffic in a month	3.8 TB in November 2006





Use of Blackboard portal

- My TU Delft tab:
 - -More than 45,000 hits per day
- My Student Info tab:
 - -More than 10,000 hits per day
- 10,000 users per day logon





Use of Building blocks

- Exam Results:
 - -More than 1000 hits per day
- Announcements2RSS:
 - -More than 4000 hits per day





Experiences

- It isn't possible to show a module based on multiple portal roles. (if portal role = "student" AND "faculty A")
- Be careful with module administrators.
- Multi-language support doesn't work with the portal.
- Students don't customize their portal.





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Future plans







Future plans

- Portal module with language selection.
- Personalised class schedules.
- Creation of a instructor's portal.





Questions







