Moving towards an open virtual learning environment
Integrated Virtual Learning Environment (IVLE)

- Developed to suit NUS size, culture and education philosophy
- Tightly Integrated to NUS Library, Admission and Academic systems
- Enhanced each year based on feedback, trends and regulations
- Disaster recovery with high availability
- Hosts about 85% of NUS modules
IVLE Learning API (LAPI)

- Available to everyone
- Promotes sharing and creativity
- Platform independence, highly secure and scalable
- Extensively documented
- Highly secure
- Developed in-house
Crowdsourcing with an open learning API

Crowdsourcing

NUS Students & Staff, External Parties

Creative Ideas

Open Learning API

Unlimited Possibilities
Crowdsourcing with an open learning API

NUS Students & Staff, External Parties + Creative Ideas + Open Learning API

What we have achieved so far..
IVLE on Windows Phone 7

Launched in Feb 2011
IVLE on iPhone/iPad

- Launched in Mar 2011
- In house developed
- #1 downloaded app in education category
Webcast Lectures on iPhone/iPad

The IVLE iPhone App enables viewing of webcast lectures video on the move
Viewing workbin files on iPhone/iPad
IVLE on iPhone/iPAD

dl the ivle app! it's amazing!
7 Mar via Twittrific Favorite Retweet Reply

@ilovehazelnuts YES! for real!! it's awesome. lesser hassle to get into ivle from iphone now! :) wished i discovered it earlier.
7 Mar via web Favorite Retweet Reply

OMG nus Ivle app latest update can watch webcast? So cool.
23 Apr via Twitter for iPhone Favorite Retweet Reply

I sound so nerdy but this ivle app is really amazing!!!
12 Mar via Echofon Favorite Retweet Reply
iPhone/iPAD - Community

Launched in Sep 2011
# iPhone/iPAD – NUS Bulletin

<table>
<thead>
<tr>
<th>Faculties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts &amp; Social Sciences</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td></td>
</tr>
<tr>
<td>Dentistry</td>
<td></td>
</tr>
<tr>
<td>Law</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
</tr>
<tr>
<td>School Of Computing</td>
<td></td>
</tr>
<tr>
<td>School Of Design And Environment</td>
<td></td>
</tr>
<tr>
<td>School Of Business</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Modules</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CP3106</td>
<td>Independent Project</td>
</tr>
<tr>
<td>CP3108A</td>
<td>Independent Work</td>
</tr>
<tr>
<td>CP3108B</td>
<td>Independent Work</td>
</tr>
<tr>
<td>CP3109</td>
<td>Overseas Exploratory Project</td>
</tr>
<tr>
<td>CP3200</td>
<td>Internship</td>
</tr>
<tr>
<td>CP3201</td>
<td></td>
</tr>
</tbody>
</table>

Launched in Sep 2011
iCreate Mobility Challenge

A campus-wide contest that offers awards for the most creative and innovative NUS-centric mobile applications to enrich the students’ educational experience.
Participation

- More than 60 teams (150+ students) signed up for the competition
- Witted down to 18 finalist across the 4 categories
- Invited judges experienced in the specific platform
- Showcase to industry people for comments and feedback
The iCreate experience

http://www.youtube.com/watch?v=OcXf8CrJnmw
Post iCreate

- Continued follow up with the students
- Engaged the top teams to work on NUS projects
- iCreate 2012
Student developed IVLE Android App

Description

NOTE:
This is an evolving version, so the author will update to fix bugs. Please make sure you update regularly to enjoy a more stable version and new features.

if you find the application laggy on your phone, you may want to try IVLE for NUS (poor man's version). As the light version reduces a lot of animations to work on low end machine.

This is NOT an official IVLE application and the author does not provide any warranty or sort to users.

This is a refined version of the Icreate competition Team JPPJFF. (http://ivle.nus.edu.sg/public/icreate2011.aspx -> MobileWeb) The author tries to provide the best experience to users, so the preview version is released to gather feedbacks. If you feel a bit laggy (a bit on my low end android phone) or other problem, please be patient, the author is trying to improve it but it takes time.

Currently only a few functions are included. We will provide more updates and add in more
Student developed Firefox extension

-----Original Message-----
From: Kanishk Karanawat
Sent: Tuesday, August 23, 2011 7:26 PM
To: Siti Hajar
Cc: Ravi Chandran (CIT)
Subject: IVLE API Access

Hi,

I have taken a module, CP3108B (under SOC), where i have to develop an extension for Mozilla Firefox browser. I wanted to make an extension using the IVLE API so that it can be useful to the NUS students. Hence I wanted to inquire that how can I get access to the API. I noticed that the API was released to the students working on the 'iCreate mobility challenge' and I wanted to develop an extension on similar lines.

Please do let me know as soon as possible because if it is accessible, then i need to come up with a proposal. Awaiting for you reply.

Thanking You,
Yours Faithfully,
Kanishk Karanawat.
(U084746B)
Showcasing student developed apps

**iPhone/iPad**

IVLE iPhone is NUS’ course management system running on an Apple’s iPhone. This app which is free for staff and students can be used via WiFi and 3G.

The app makes interacting with IVLE easier by providing access to your course modules, syllabus, allows you to check urgent announcements, read assignments from the workbins, review a discussion forum post and see the latest student events from IVLE.

![IVLE](image)

**CATEGORIES**

Android  
iPhone/iPad  
Mobile Web  
Windows Phone 7

The NUS IVLE Community app allows you to access IVLE communities on the go. With the app, you can check urgent announcements, email community members, read and reply forum posts, view files in the workbin and access weblinks added by community members. You can also manage your community membership, or search and join communities that you are interested in.

![IVLE](image)

The NUS Bulletin app allows you to search the NUS Bulletin for modules / courses offered by various faculties by keyword or module code.

![NUS Bulletin](image)
Conclusion

NUS Students & Staff, External Parties

+ Creative Ideas

+ Open Learning API

- Reduce cost
- Keep up with technology trends
- Encourage creativity
- Personalize LMS/PLE
Thank You

Centre for Instructional Technology
Visit the Centre for Instructional Technology
http://www.cit.nus.edu.sg