

# iCALT

## Intelligent Context Aware Learning and Teaching

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# Concept

- On-line, real-time student feedback
  - Dynamic adaptation to student needs
- Lightweight web client
  - Cheap to disperse
- Moodle integration
  - Use existing infrastructure

# On-line Feedback

- Existing Student Survey Mechanism
  - Heavy approach
  - Student disenchantment
  - Inappropriate use
  - Lack of timely response

# On-line Feedback

- New model
  - Capture data as it happens
  - Hard data, suitable for text mining
  - Instant response by teacher
  - Can be used off-line
  - Annotations allow use as student study tool

# Moodle Integration

- Have built heavy client prototypes
  - Disadvantage is dispersal
- Use existing infrastructure
  - Allow world-wide take-up
- Some disadvantages, but many advantages
  - Zero effort migration to smartphones

# Student View

- Standard Moodle Presentation
  - Next slide/Demo (link)
- ICALT Moodle Presentation
  - Next slide/Demo (link)

# FIT3013 Lecture Notes

## Introduction to Event-B

John Hurst, 2010

Computer Science and Software Engineering  
Monash University  
(with acknowledgement to Ken Robinson, UNSW)

20100303 / Lecture 01



## CALT Seminar

You are logged in as [john](#) : Student ([Return to my normal role](#))


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## iCALT presentation view - FIT3013 Lecture 01

An Introduction to Event-B
Comparison with other Engineering
Advantages of the B Method
Practical Uses
Summary

# FIT3013 Lecture Notes






## Introduction to Event-B

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Undo
Slide as PDF
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Got a comment?

Boring  
 Confusing  
 Generally interesting  
 Understandable  
 Stimulating  
 Very clear

Got a question?



# Presenter View

- Model:
  - Teacher uses conventional lecture display running with conventional Moodle presentation (link) (slide 7)
  - Teacher has additional laptop running iCALT Moodle “presenter view” (link) (slide 8)
  - Students use laptops/smartphones running web browser pointed at Moodle iCALT presentation view (“Student View”) (link) (slide 10)

# CALT Seminar

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Update this iCALT Presentation

**Navigation**

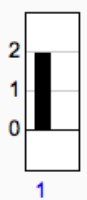
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**Settings**

- Presentation settings
  - Edit settings
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  - Permissions
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  - Logs
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## iCALT presentation view - FIT3013 Lecture 01

Open presenter view



# Annotations

- Besides the instant feedback, students can make notes to themselves (“annotations”)
  - See slide 8 for examples
- Annotations can be stored on student's computer and used as a study resource
- Not a new concept, but encourages use of feedback, and questions can be asked later, off-line.

# Conclusions

- Students love it!
  - “This is much better than those \$\$#@ \$ surveys we do at the end of semester!”
  - “Good to see immediate feedback from lecturer”
- Much opportunity to explore data mining of comments
- Need to explore efficacy of annotations