



DVTS & DVRelay Hands-On

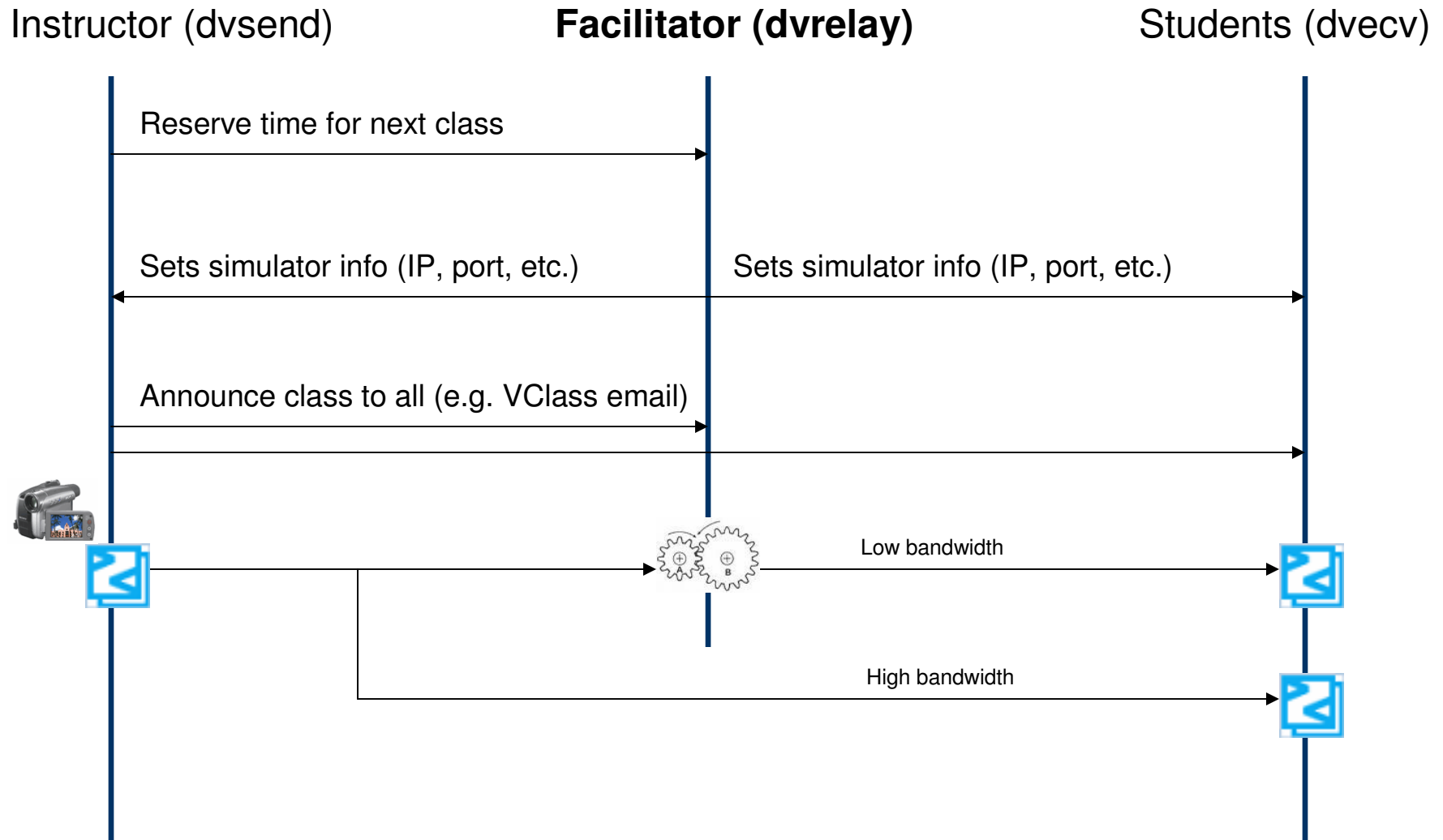




DVTS Support in VClass

- DVTS would normally be conducted using both:
 - VClass platform
 - Mobile Classroom application
- Three different account types represent three different DVTS parties:
 - Instructor → DV sender
 - Facilitator → Any (usually DVRelay)
 - Student → DV receiver

DVTS Class Setup Scenario





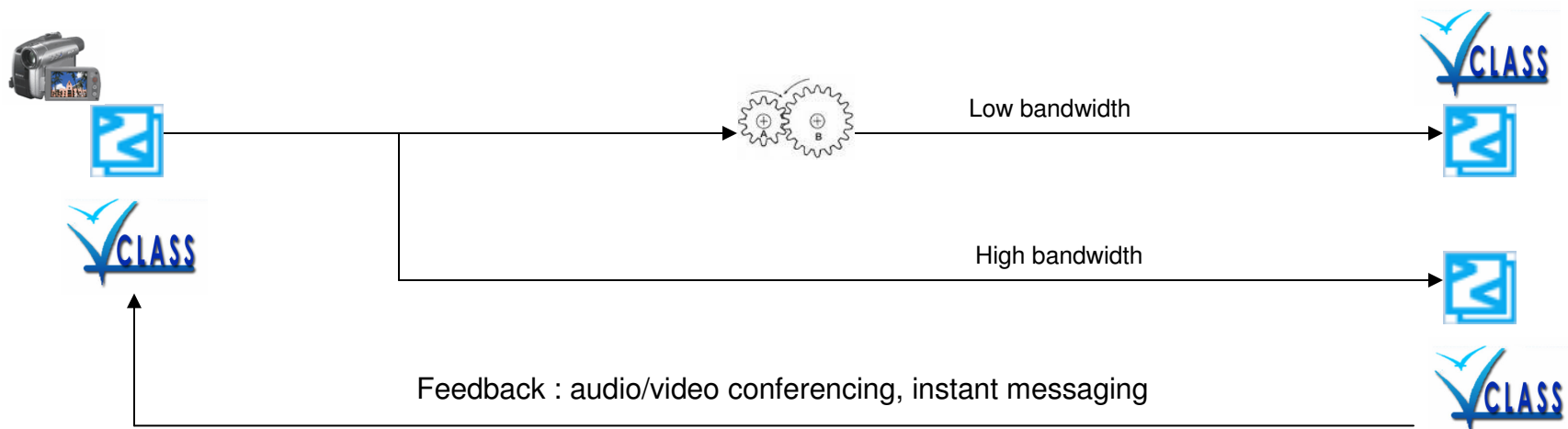
Class Setup Scenario (cont.)

- DVTS audio/video is unfortunately one-way:
 - DV sender → DV receiver
 - DV sender → DV relay → DV receiver

- Solution?

Class Setup Scenario (cont.)

- Use VClass Mobile Classroom

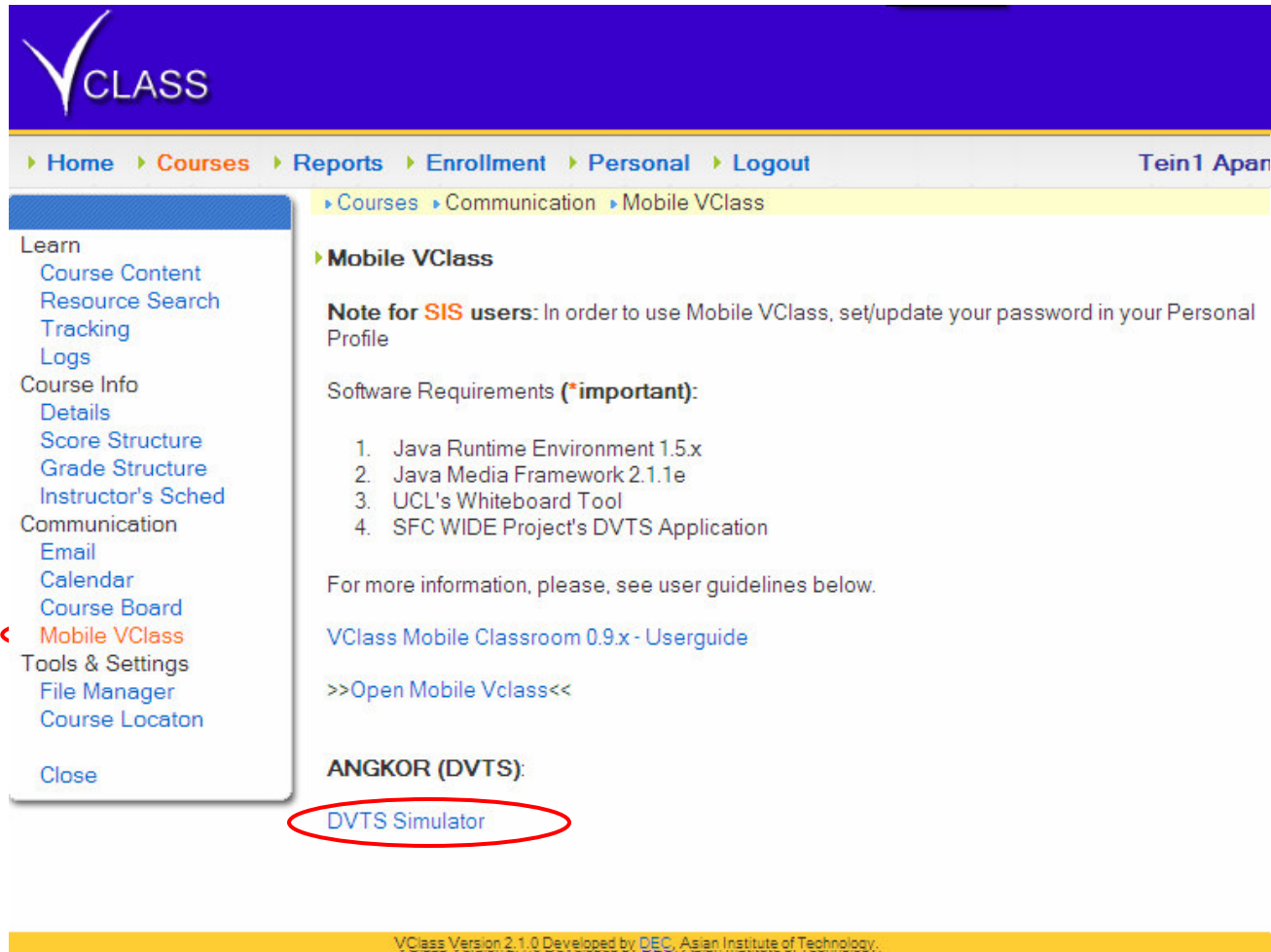




User Accounts

- Users: tein1 – tein15
- Passes: tein1 – tein15
- URL: <http://vclass.dec.ait.ac.th>
- Use **Student Login**

Using VClass (Students)



The screenshot shows the VClass web interface. At the top is a blue header with the VCLASS logo. Below it is a navigation bar with links: Home, Courses, Reports, Enrollment, Personal, Logout, and Tein1 Apan. A breadcrumb trail shows: Courses > Communication > Mobile VClass. On the left is a sidebar menu with categories: Learn (Course Content, Resource Search, Tracking, Logs), Course Info (Details, Score Structure, Grade Structure, Instructor's Sched), Communication (Email, Calendar, Course Board, Mobile VClass), Tools & Settings (File Manager, Course Locaton), and Close. The main content area is titled 'Mobile VClass' and contains a note for SIS users, software requirements (Java Runtime Environment 1.5.x, Java Media Framework 2.1.1e, UCL's Whiteboard Tool, SFC WIDE Project's DVTS Application), a link to user guidelines, and a button '>>Open Mobile Vclass<<'. Below this is a section for 'ANGKOR (DVTS):' with a link to 'DVTS Simulator' circled in red. At the bottom, a yellow footer bar contains the text: 'VClass Version 2.1.0 Developed by DEC, Asian Institute of Technology.'

Using DVTS Simulator (Students)

Mobile VClass

Select Test Setting: 2007-00-22 DVTS Demo, APAN

1. High bandwidth : receive stream from DVSEnder
 2. Low bandwidth : receive stream from DVRelay

Angkor

DV Send

IP Version: IPv4 IPv6

Port Number:

Multicast: TTL Interface:

Options: Destination DV DIF Block Frame Discard Preview Monit

Start Send

DV Receive

IP Version: IPv4 IPv6

Port Number: 8000

Output: Monitor Output IEEE1394 Output

Multicast: Address 230.0.0.30 Interface:

Start Receive

Select date/time of the class

Select desired bandwidth
Low vs. High

Copy and Paste simulator information to DVTS application

1. Download and Install DVTS for windows >>HERE<<

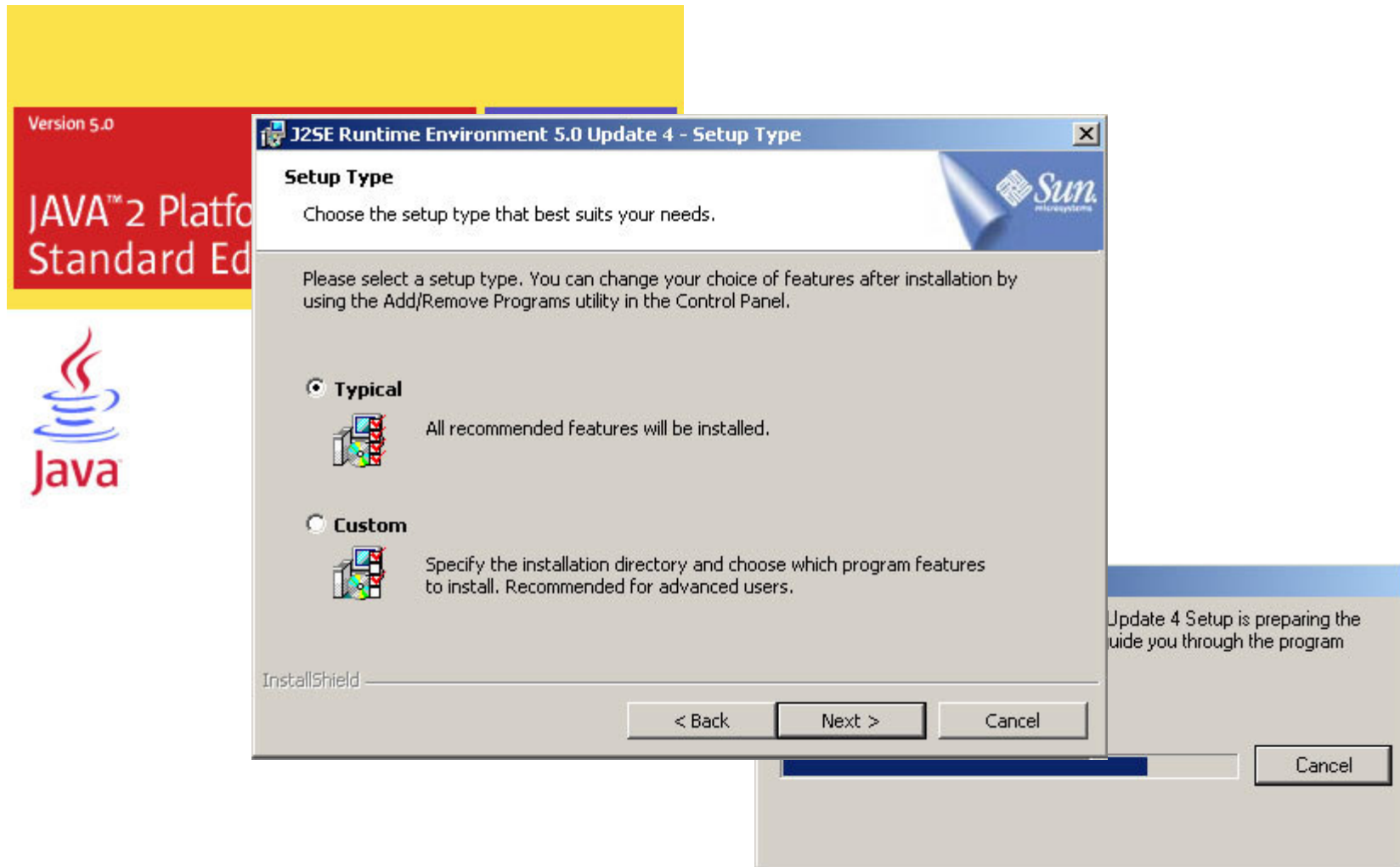
2.

notice: after clicking this, a window will appear, click Run to continue...

3. "Copy and paste the following information in the simulation window above to the DVTS application"

Start DVTS application

Installing JRE 1.5





Version 5.0

J2SE Runtime Environment 5.0 Update 4 - Setup Type

Setup Type

Choose the setup type that best suits your needs.

Please select a setup type. You can change your choice of features after installation by using the Add/Remove Programs utility in the Control Panel.

- Typical**
 All recommended features will be installed.
- Custom**
 Specify the installation directory and choose which program features to install. Recommended for advanced users.

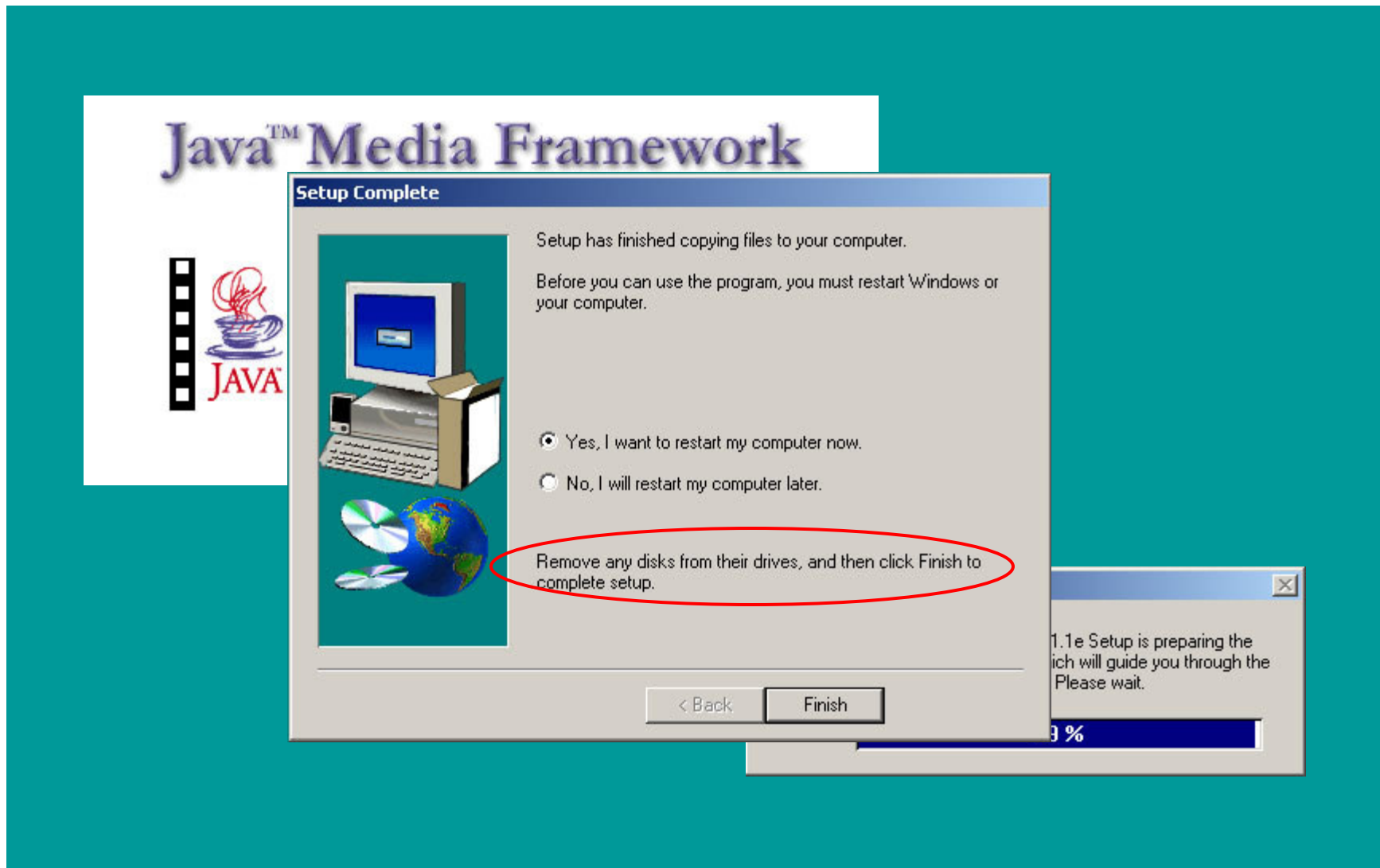
InstallShield

< Back Next > Cancel

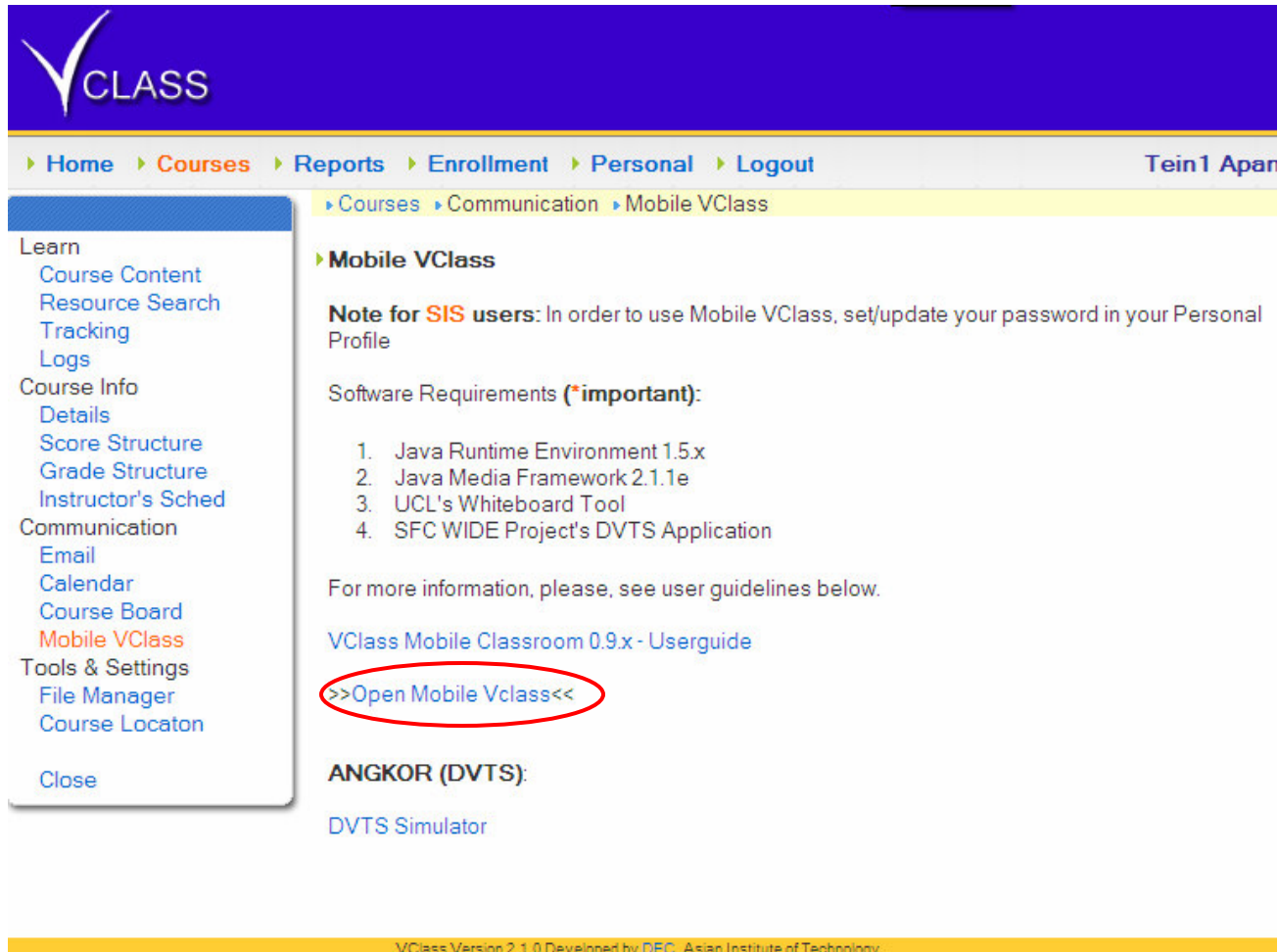
Update 4 Setup is preparing the
guide you through the program

Cancel

Installing JMF 2.1.1e

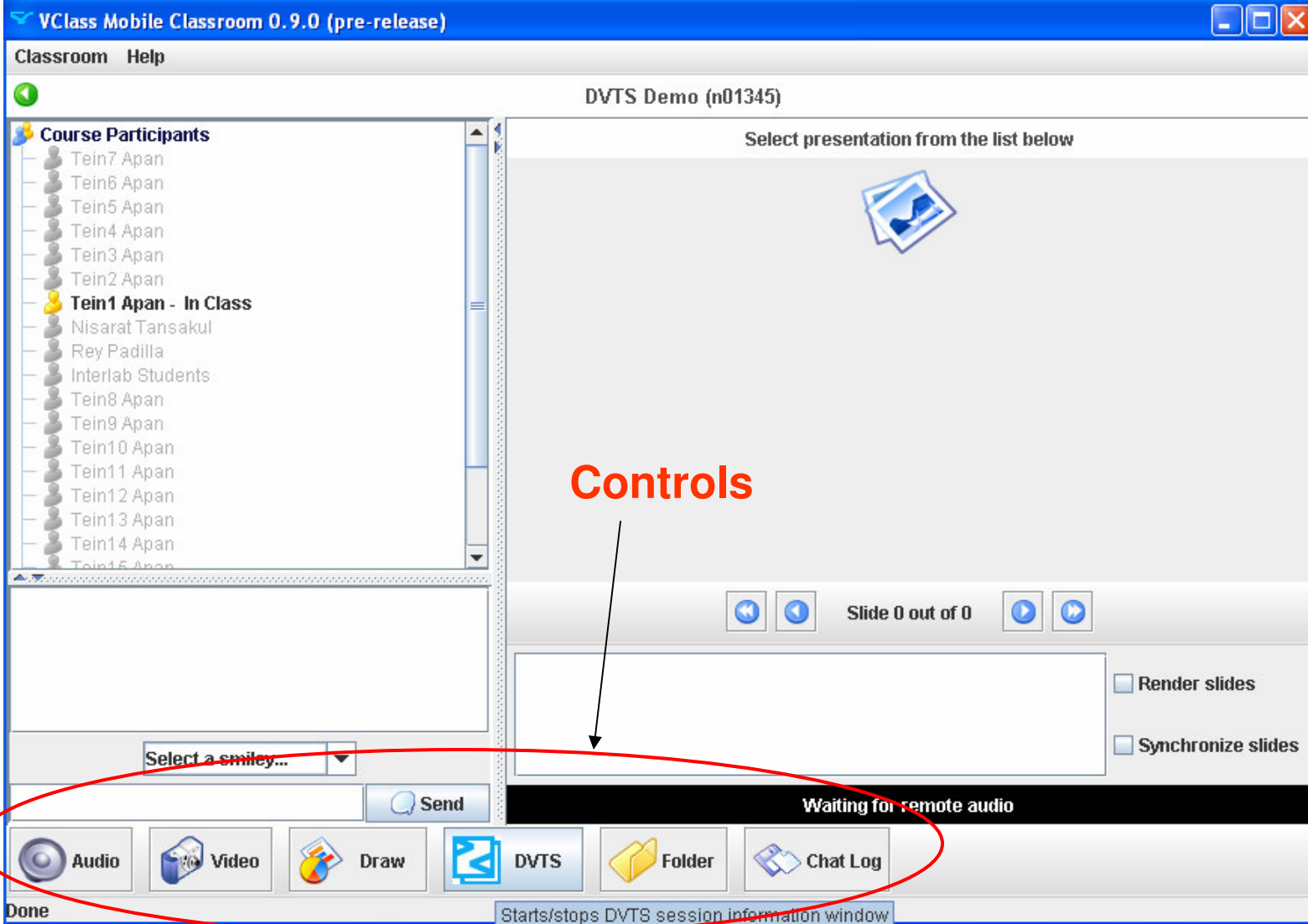


Using Mobile Classroom



The screenshot shows the VCLASS web interface. At the top is a blue header with the VCLASS logo. Below it is a navigation bar with links: Home, Courses, Reports, Enrollment, Personal, Logout, and a user name 'Tein1 Apan'. A breadcrumb trail shows 'Courses > Communication > Mobile VClass'. A left sidebar menu lists various options: Learn (Course Content, Resource Search, Tracking, Logs), Course Info (Details, Score Structure, Grade Structure, Instructor's Sched), Communication (Email, Calendar, Course Board, Mobile VClass), Tools & Settings (File Manager, Course Locaton), and a Close button. The main content area is titled 'Mobile VClass' and contains a note for SIS users, software requirements (Java Runtime Environment 1.5.x, Java Media Framework 2.1.1e, UCL's Whiteboard Tool, SFC WIDE Project's DVTS Application), a link to user guidelines, and a button labeled '>>Open Mobile Vclass<<' which is circled in red. Below this is a section for 'ANGKOR (DVTS): DVTS Simulator'. A footer at the bottom of the page reads 'VClass Version 2.1.0 Developed by DEC, Asian Institute of Technology.'

Using Mobile Classroom (cont.)



The screenshot shows the VClass Mobile Classroom 0.9.0 (pre-release) interface. The window title is "VClass Mobile Classroom 0.9.0 (pre-release)". The main area displays "DVTs Demo (n01345)" and a "Select presentation from the list below" prompt. A red arrow labeled "Controls" points to the navigation and control buttons at the bottom of the slide area. A red oval highlights the bottom toolbar, which includes buttons for Audio, Video, Draw, DVTs, Folder, and Chat Log. The status bar at the bottom indicates "Waiting for remote audio" and "Starts/stops DVTs session information window".

Course Participants

- Tein7 Apan
- Tein6 Apan
- Tein5 Apan
- Tein4 Apan
- Tein3 Apan
- Tein2 Apan
- Tein1 Apan - In Class**
- Nisarar Tansakul
- Rey Padilla
- Interlab Students
- Tein8 Apan
- Tein9 Apan
- Tein10 Apan
- Tein11 Apan
- Tein12 Apan
- Tein13 Apan
- Tein14 Apan
- Tein15 Apan

Select presentation from the list below

Slide 0 out of 0

Render slides

Synchronize slides

Waiting for remote audio

Audio Video Draw DVTs Folder Chat Log

Done Starts/stops DVTs session information window



Thank You

Postal Address:

P.O. Box 4, Klong Luang
Pathumthani 12120, Thailand
Direct line:(66-2)524-6611
Fax:(66-2)524-6618
Email: info at interlab.ait.ac.th
<http://www.interlab.ait.ac.th>

