

- . Difficult to implement in a large class.
- . IT support tools are necessary.

5. SMS Instant Feedback system

The screenshot displays the e-Learning Hub interface. At the top, there's a header with the logo and navigation links: [Support] [Home] [Logout]. A sidebar on the left lists various tools under categories like Course Tools, Tutorial Tools, Hands-On Tools, and User Tools. The main content area is titled 'EE3101 SMS Tutorials' and includes a 'View Tutorial' button. Below this, it provides instructions on how to send answers via SMS, including course ID (EE3101), tutorial ID (EE3101_1), and user ID (test123). It lists three methods for sending answers, with the first method requiring a registered handphone. Two sample questions are shown, each with four multiple-choice options. A 'Go Back' button is at the bottom of the content area. The footer indicates copyright 2001 by National University of Singapore.

e-Learning Hub [Support] [Home] [Logout]

Course Tools
[Register Course](#)
[View Forums](#)
[View Notes](#)

Tutorial Tools
[View e-Tutorial](#)
[View SMS-Tutorial](#)
[View Solution](#)

Hands-On Tools
[Visualization](#)
[Simulation](#)
[Virtual Labs](#)
[Submit Report](#)

User Tools
[Edit Profile](#)
[Change Password](#)

EE3101 SMS Tutorials ==EE3101_1==

How to send your answers to eLearning system:
 =====
 If the course ID is **EE3101**, the tutorial ID is **EE3101_1**, and your user ID is **test123**.
 Your answers for this tutorial are **a, d, b, d, c, a** (six questions)
 =====

Method 1. (If your handphone IS registered)
 Send your answer to **93492502** in the format as below:
3101.1.adbdca

Method 2. (If your handphone IS NOT registered or use others' handphone)
 Send your answer to **93492502** in the format as below:
3101.1.adbdca.test123

Method 3. (You can also use SingTel online FREE SMS service by clicking [HERE](#))
 Send your answer to **93492502** in the format as below:
3101.1.adbdca.test123

Question 1
 The complexity of an FIR filter is determined by:
 (a) the complexity of the input signal.
 (b) the operating speed of the filter.
 (c) the implementation structure of the filter.
 (d) the number of multipliers required.

Question 2
 The frequency response of an FIR filter is determined by:
 (a) the input signal of the filter.
 (b) the order of the filter.
 (c) the coefficients of the filter.
 (d) the pole locations of the filter.

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The instant feedback system can automatically grade students' answers and give feedback to both students and the lecturer. For students, if the answer is right, system will give "Congratulation" message, while for the wrong answer SMS feedback system provides subject-related hints or advices to encourage students to continue their effort in finding correct answer which promotes students participation in learning. For the lecturer, SMS feedback system provides a statistic bar chart of the answers from all students, which helps the lecturer to identify the weak points of the students and to adjust the teaching content, pace or