

**Introduction****Rahul Agarwal****<http://irahul.com/workzone>**

The goal of creating these Adaptive Learning Modules is to create a series of four courses for teaching Software Testing online as part of the undergraduate university curriculum at Virginia Tech since this important aspect of software development has been traditionally neglected.

During the course of this project an Introduction to Testing course for CS1/CS2 students will be developed using NetCoach [NetCoach, Weber 2001]. Instructors teaching such courses at other universities will also benefit. The adaptive course will aim to provide students with:

- A self-paced learning environment
- Encourage independent study
- Supplement classroom teaching and learning.

Issues that need to be addressed are:

- Adaptive course's structure
- Determining course concepts
- Features of an adaptive course to use
- What should questions relate to in the module
- Evaluate expectations of the questions
- Ascertaining difficulty level of questions
- Assessing Effectiveness of Adaptive Learning