

## CS Masters' Thesis Defense

**Title:** *An AJAX-Based Event Calendar for a Course Management System*  
**Speaker:** Kazi Tulip  
**Date:** Thursday, December 8, 2011  
**Time:** 1:00 p.m.  
**Location:** GMCS 405  
**Thesis advisor:** Dr Subrata Bhattacharjee

### **Abstract:**

ClassTA is a Course Management System based on AJAX technology that is used as a web-based teaching assistant. ClassTA is a very secure, responsive, and scalable system, which allows it to scale to large deployments for thousands of students. Existing calendar in ClassTA does not provide much functionality besides showing date and printing wherever it needs to be. In this work, a Calendar Management System named "Event Calendar" is developed to provide much needed functionalities of creating, maintaining and posting events. It allows the instructors to add, edit, and delete events and share them with students. The events are categorized and color coded based on specific types which allow it's users to easily visualize the events by just seeing the calendar itself. Adding new events and finding existing ones are as easy and fast as a simple click on the specific date on the calendar. The tool used to develop Event Calendar is AJAX. All the events created and modified are stored and fetched from tables in MySQL server. In this thesis, a brief discussion of the history of computerized calendar is presented following the use and build of the Ajax-based Event Calendar feature for ClassTA.