

## CS Masters' Thesis Defense

**Title:** *Media Asset Database for SDSU School of Art Design and Art History*  
**Speaker:** Sunil Ramachandra  
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**Thesis advisor:** Dr Carl Eckberg

### **Abstract:**

In the modern world the World Wide Web (Web) is used as a medium of communication and information exchange. Public and private sectors of education, and commercial organizations use the Web in order to display relevant information for their end users in the form of web pages. End users in art classes, by using a web browser can view these web pages that may contain text, images, multimedia related info and navigate accordingly. There are online barriers, which limit the end users from fully exploiting these features, which is provided by the Web. There are potential end users with access challenges, and it is difficult to establish, develop and manage relationships with such potential users if they cannot access an organization's Web site for information.

Users with disabilities can use a website and make the most of their usage, if a website is built according to the rules of the Americans with Disabilities Act [ADA] and follows Section 508 Compliance. This research project develops an ADA complaint Content Management System for the School of Art, Design, and Art History, SDSU, so that people with access challenges can also access the website. This application tool enables the faculty members to upload images related to their courses in the website, and students can view these images and download slides in PDF format. This report presents the back end [Database] of the application, security provisions, business logic.