



SDSU
presents
a thesis defense for
Master of Science
degree in
Computer Science

Monday,
October 19, 2015

11:00am
GMCS 418

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Ninja Grad

Abstract

The focus of this thesis is to create Program of Study [POS] Planner tool that will help students manage their graduation easily. A list of courses offered across various universities in each major is shown in a User Interface. This information is provided in a Web Application, which can be accessed on a browser, thus allowing students to plan their course work well ahead. The Ninja Grad application has been developed in the PHP language using the Laravel framework with HTML, CSS as front end and SQL as the database. Twitter Bootstrap version 3.0 framework has been used to maintain consistency in the user interface. Features like universities, majors, courses and graduation criteria are secured by allowing only authorized access. Flexibility has been maintained by providing ability to add a new category of users like moderators with defined scope of functionality. A user will be able to select courses and update the corresponding grades. An option to evaluate the user's courses against multiple graduation criteria is made available thereby, enabling users to gauge their progress towards graduation. Information is private to the student and the corresponding graduate advisor(s). To keep the user engaged, key aspects are explained in readable English format, with emphasis on ease of use.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Tao Xie, Department of Computer Science
Samuel Kassegne, Department of Mechanical Engineering