Esmaail Nikjeh's first Computer Science Advisory committee meeting minutes.

Date: 4-16-2018

Participants: Mary Rees (Dean Math & Physical Sciences), Erik Reese (Astronomy, Physical Science, Engineering, & CS Dept. chair), Loay Alnaji (CS faculty), Alexandria Wright (Economic & Workforce), Ping Fang (Three Express Link), Marybeth Jacobsen (Workforce Education Coalition), Chuck Sedlacek (American Tech Solutions), Steven Littaua (Computer club president), Paula Hudge (Deputy Sector Navigator), and Yuri Yurovski (Industry private sector).

Here are the CS courses offered at Moorpark College:

CS M01: Introduction to Computer Science
CS M10A : Introduction to Computer Programming Using Structured C++
CS M10B: Object-Oriented Programming Using C++
CS M10J: Introduction to Computer Programming Using Java
CS M10P: Introduction to Computer Programming Using Python Language
CS M20: Object-Oriented Data Structures and Algorithm Design
CS M145: Computer Architecture and Organization
CS M155: Discrete Structures

Here are the CS certificates current plan and future plan at Moorpark College:

CS Current Plan:

Mobile App Development Certificate (submitted for approval)

Computer Programming Certificate (submitted for approval)

Web Design Certificate (submitted for approval)

CS future Plan:

▶ Cloud Computing Certificate

Amazon Web Services (Compute Engines, Security, & DBM)

▶ Database Applications Design Certificate

MS SQL Server and Oracle Programming

CS Curriculum Development

▶ **CS Current Plan:**
CSM10DBM: Database Management systems and Applications
CSM10WEB: Internet Programming with PHP

▶ **CS Future Plan:**
CSM10ASP: Internet Programming with ASP
CSM10Ruby: Server-Side Ruby Web Programming
CSM25Oracle: Oracle Programming
CSM10ACL: Introduction to Cloud Computing
CSM10BCL: Database Essentials in Amazon Web Services
CSM10CCL: Compute Engines in Amazon Web Services
CSM10DCL: Security in Amazon Web Services

Industry Needs

Web Developer

▶ Technical Skills

CSS, Java script, HTML, Ruby, APIs, C++, Python, C#, SQL,

Schema, Microsoft Azure (Cloud Computing), AWS Amazon, AJAX, PHP, XML

Software Developers & Applications/Computer Programmers

▶ Technical Skills

SQL, testing, report writing, software development programming, client server connections, IDE, Secure coding practices, Database Management system software, Oracle PL/SQL, Adobe ActionScript, Java, Python, …

Summary:

Each of the participants shared some of their experiences and knowledge about how CS is important in the industry today. They explained their needs from CS department at Moorpark College and provided helpful feedback. Most participants, stated that there is a need of a server side programming for Web development projects and they all agreed that we should offer a database management system course. They also emphasized on cyber security, which is very valuable for CS majors to take a course on and to secure applications for future industry projects. The participants from the industry agreed with our current and future plan concerning offers of certificates and curriculum developments.