Advisory Meeting Notes - February 25, 2022

Recorded by Javier Rios

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| --- | --- | --- | --- | --- |
| Title | Company | Registrants | Email Address | Registration Date |
| **President** | **CMIT Solutions** | **Andy Takieddine** | **atakieddine@cmitsolutions.com** | **Feb 25, 2022 10:58 AM** |
| Dept. Chair | LAMC | Bamdad Samii | samiib@laccd.edu | Feb 25, 2022 11:00 AM |
|  | Network Kinnection, LLC | Chrissy Alvey | chrissy@mynetkinect.com | Feb 25, 2022 10:59 AM |
| Faculty | LAMC | Emil Sargsyan | sargsye2@lamission.edu | Feb 25, 2022 11:02 AM |
| **Information technology consultant and Chief Technology Officer** | **Entrepreneur** | **George McKinney** | **mckinng@laccd.edu** | **Feb 25, 2022 11:09 AM** |
| Faculty | LAMC | Javier Rios | riosj2@laccd.edu | Feb 25, 2022 10:59 AM |
| **Student, Entrepreneur** |  | **Jose Vidal** | **me@vidaljose.com** | **Feb 25, 2022 11:00 AM** |
| Employer Relations Specialist | Network Kinection, LLC | Kenya Williams | kenya@mynetkinect.com | Feb 25, 2022 10:59 AM |
| **Cryptographic Management Subject Matter Expert** | **Entrepreneur** | **LV McCoy** | **lv.mccoy.security@gmail.com** | **Feb 25, 2022 10:55 AM** |
| Dean | LAMC | Marla Uliana | ulianamr@lamission.edu | Feb 25, 2022 11:07 AM |
| **Head of Security and Core Services** | **Amazon Care** | **Matthew Lehman** | **dmlehman@gmail.com** | **Feb 25, 2022 11:00 AM** |
| **Director of Planning and Analysis, Customer Success** | **Oracle** | **Steven Entezari** | **STEVEN.ENTEZARI@GMAIL.COM** | **Feb 25, 2022 11:00 AM** |
| **Alumni: Security Analyst** | **Notable** | **Vivian Lee** | **vivianlee@sandiego.edu** | **Feb 25, 2022 10:59 AM** |

Meeting attendees were asked for permission to record the meeting -no objections.

Opening remarks by Prof. Samplewala.

Last year (2021) meeting minutes were approved by Steven Entezari and Steven McCoy.

Discipline progress report discussed by Prof. Samplewala. The topics discussed are as follows:

* Exploration of Data Analysis curriculum and courses. In progress.
* Exploration of including a Linux course to the existing cybersecurity degree and certificate. In progress.
* Outreach to high schools with pathways that can map to CS or CSIT courses at Mission. In progress
* The current state of the Cloud computing program. Need to explore avenues to increase enrollment numbers.
* The current state of the Cyber Security program. On the track, enrollment numbers are steady.
* The state of the Full Stack Developer program. On the track, with full classes.
* The state of Computer Programmer. On the track as usual. The new Python programming class is popular and in demand.
* Update on Non-credit adult education courses. Yet to offer the program.

Mission-X cybersecurity club update by Prof. Rios. The data shows a steady increase in the numbers and skill sets obtained by individuals and teams participating in the competition.

The Data Analytics program was recommended by the advisory committee in Spring 2020. Prof. Samii spoke about Data Analytics and the efforts being made. The advisory committee agreed that there is an ongoing demand for data analysts and a certificate and skills acquired would be relevant for students.

Prof. Samii asked the advisory board to validate the value behind Google Courses and Project Management skills and certifications. Advisory members agree that Project management is seen as an advanced skill that is learned later in an individual's career.

The discussion turned to credit for prior work experience as an entry to employment.

Our next topic turned to strategies for promoting our programs at Mission. The Advisory members were asked to consider any strategies we could employ and share them soon or during the meeting.

* Matthew Lehman stated that he is willing to help with promoting our programs.
* Comment pending from other attendees.

Next, there was a review of Learning Outcomes and Program Maps.

**Cyber Security:**

A suggestion was made to consider including courses that track to CCSP and Cloud+ certifications.

**Careers for students:**

A suggestion was made for us to make the effort to place students on the path to certifications a primary focus of our programs.

An emphasis was placed on bridging the soft skills gap for Cyber Security and other programs.

**Suggestion:** The creation and implementation of Capstone real-world projects. Students will present projects to advisory members as a team to receive feedback.

**Program Recommendations by advisory board members:**

Matthew Lehman to Javier Rios, I’d love to see something that tracked to a CCSP as well. I am mentioning it so you can remind me later. Prof. Rios wants our LAMC to become a Center of Excellence for Cyber Security.

Vivian Lee – I have to drop, thank you all. I was thinking about Western Governor University and how they award the certificates (CompTIA A+, Network+, Sec+, etc.) after completion of a class; might be something to consider.

**Cloud Computing Recommendations:**

Andy Takieddine suggested we include Microsoft Azure in some way in the curriculum. Mathew Lehman also agreed that we should have a cloud-neutral platform.

Speak to students about the impact of Big Data along with the Cloud Computing, Cyber Security, and Data Analysis certifications.

**Brochure Recommendations:**

Steven Entezari – More social media outreach for our programs. Use social media targeted advertising to include specific age groups and geographical locations.

Jose Vidal – Include alumni testimonials in advertisements and brochures.

# Progress Report of CSIT, on February 23, 2022 to Advisory Board Members

1. Action items from 2020 advisory committee meeting:

Action item: Recommendation to consider developing Data Analysis as only one other college currently planning for it. Research and exploration in progress.

1. Action items from 2021 advisory committee meeting:

Action item: Create an introductory course on Linux. And (or) ensure students are learning Linux tools in existing courses required for the certificate. Have not started.

Action item: Create short videos and modules on GitHub, Project Management tool (SCRUM), and API programming. No progress to report.

Action item: Suggest Linux and System Administration skills for Cloud Computing students. Have not started.

Action Item: Incentivize internship opportunities by providing credits. No progress to report.

1. Cloud Computing program:
   1. Participation in regional Cloud Days and regional consortium meetings.
   2. Have two certificates. A new Certificate of Achievement (12-units) that serves as pathway from high school to community college. Other is an 18-units certificate for IT professionals.
   3. Have not yet created the AS in Cloud Computing, we need to focus on enrollment. A cohort will start in Summer with CIS 192 + Fall CS 101 + Spring CIS 219 + Summer CS 119.
2. Cyber Security program:
   1. Have a pathway from high school to our college defined. Have partnered with Cesar E. Chavez Learning Academies – Technology Preparatory Academy (CCLA-TPA) for Cyber Security CoA 12-units. We have yet to create the Introductory Linux course as was recommended by the advisory committee last year.
   2. We are a CISCO Academy. We shall create a CCNA course as part of our repertoire.
3. Full Stack Development program:
   1. Steady growth in this certificate. Used to offer combo classes, as not enough students would register to fill a class. Now we have split them, and may need another section if the growth rate is sustained.
   2. We have a new Certificate of Achievement (12-units) in Programming used for both, Full Stack Development and Computer Programmer program.
4. Computer Programmer program:
   1. Students interested in Computer Science as their major and continue to UC’s or CSU’s graduate with an AS from us.
5. Non-credit courses:
   1. We have an adult education department. Do not know where the non-credit courses for programming, media, and robotics will reside.
6. District-wide CSIT discipline members have been meeting to rename our courses. We have successfully renumbered the courses, renamed them and assigned Top Codes to each of the. The process has caused some curriculum changes, have made us re-think our course offerings and pre-requisites.
7. High School
   1. Efforts made were mentioned earlier in the report. Shall continue to have local events, panel discussions, participate in high school events, and summer programs and provide guidance and support for IT and technology careers for our community.
8. We did hire a new full-time tenure-track faculty, Javier Rios. He is currently focusing on our Cyber Security and Cloud Computing programs. He is also the advisor for our Mission X club.
9. No progress has been made for Mobile App development. We are participating in the regional meetings to create the Certificate of Achievement in Data Analysis.