Computer Technology Program Advisory Meeting, 11/1/2024

Call to Order – 9:17am

Introduction

Jim Brossenne – Jenzabar, Tim Bogard – HDH, Chris Puckett – GE, Tyler Hisel – GE, Amie Ernst – Pine Cone, Greg Wallace – Connection

II. Review of 2023 Minutes

Jim/Tm Approved

III. Review of the Agenda Items

Jim/Chris Approved

IV. Reports from Committee Members

Jim -Having proper professional skills taught in higher education. Is interpersonal communication being used to help with email communications. How best to use the technology to have a better response. Using AI could assist with that process.

- Work on email communications.
- Add a module in professionalism
- Make it personal, summarize what is going on, how best to answer those questions.

Amie – Would like to assist with developing those communication pieces for the module.

Greg – AI is being used to drive solutions.

Amie / Jim – Being careful on using AI.

Amie – Be aware using AI for using it on all coding processes.

Jim – Mt. Saint Joe, using AI as a starting point. No reason to re invent the wheel. Policies on AI.

Greg – We have a complete AI policy.

Amie – Lo Code no Code, prompt engineering. Rust is very popular, and if it is using generative AI everything is using that.

Jim – Would like to know the module on soft skills communication.

Tim – Soft skills, would like to see leadership business classes in the program.

Gregg – How do we develop talent so they stay at organizations.

Gregg, Jim and Tim – Have leadership programs.

Gregg – Connection has a leadership program that has multiple tiers.

Jim – Remote work add to professionalism class

- Add ethics to remote work.

Amie – Home office stipends are used to stiped the organizations

Chris – Professionalism, can you make

- Do not use acronyms to your clients, add this to your professionalism class.

Chris – Scripting!!!!!!!!!!!!!!!! Needs more of that.

- Using the current modules in the courses is adequate.

Jim – Terraform is big!

Chris – Network resources is changing a lot with scripting, needed in his organization.

Chris – Fun to use the robots…

Tyler – Excellent breakdown of courses,

- Everyone is talking about professionalism

Tyler – Other classes need to adapt technology, to make all other courses relevant.

Everyone – Agreed to Tylers comments.

Gregg – Development side of Connection, creating a pipeline to the location. The focus is going to be in the advanced technologies. Embracing ticketing platforms, cybersecurity is another big area.

Jim – Building out low level people to develop a pipeline.

Gregg – Good at the entry level, work.

Gregg – Building talent and keeping talent is critical to Connection

Amie – Teaching students resiliency is critical.

Gregg – Developing additional resiliency and communications is very important to Connection

Jim – Quality control is a problem from time to time at all locations.

Jim – Students need to be aware of how business operates.

Amie – Do you take a coding assessment.

- Will provide some coding assessment
    - Add this in the 3rd coding course
- How do they market the GetHub repository?
- Build a GetHub repository

Jim – Introduction to Coding to be offered as an elective

Chris – Cybersecurity Maturity Model – Dictating a lot of our work.

V. Review of the Program Curriculum

Dr. Montgomery gives an update

VI. Review Enrollment and Graduation Rates

Dr. Montgomery reviewed these numbers, no comments

VII. Update of the Current/Future Industry Trends & Employment Outlook

Covered in the advisory reports

VIII. Employer Recommendations for Improvement (minimum 5 strategies/improvement needed)

1. Enhance Professionalism and Communication Skills

- Add a module on professionalism within courses to improve email and interpersonal communication skills. This module could address summarizing messages, personalizing responses, and appropriate use of technology in communication.
- Integrate leadership and business classes to support soft skill development, focusing on communication, ethics, and leadership within remote work contexts.

2. Incorporate AI Awareness and Ethical Usage in Coursework

- Develop a clear policy and module on the responsible use of AI, particularly for tasks like coding and prompt engineering. This could help students understand AI as a tool for efficiency without over-relying on it or bypassing essential skill development.

3. Improve Practical Skill Assessments

- Add a coding assessment in advanced coding courses (such as the third coding course) to evaluate and reinforce skills.
- Encourage students to create and market a GitHub repository, providing them with a tangible portfolio of work that demonstrates their skills and enhances employability.

4. Integrate Emerging Technologies Across Curricula

- Adapt other courses to incorporate relevant technologies (such as Terraform, Rust, and scripting tools) to ensure the curriculum stays current and prepares students for industry demands.
- Embrace low-code and no-code solutions in assignments and projects to introduce students to practical, in-demand tools.

5. Foster Resiliency and Retention-Oriented Skills

- Teach students the importance of resilience, adaptability, and quality control as essential professional skills. These can be reinforced through case studies or real-world scenarios, especially for students entering fields with high turnover or requiring strong problem-solving skills.

Dr. Montgomery's final comments:

Blane Parker - Computer Technology Navigator

- Recruiting
- Registration
- Outreach
- Ohio Code Scholar

Rapids Grant – New Cybersecurity Lab & Gamification Classes - Circadence

New Computer Science Center

SSCC to UC Programming

Ohio Code Scholar Work

Chris / Gregg motion adjourn