**Request for Additional Lottery allocation**

**2014 – 2015**

**CSCI**

**1. What will the money be used for? (i.e., software, videos, etc.)**

Purchase 3 years of CodeLab License. CodeLab is the web-based interactive programming exercise system for intro programming classes in Python, Java, C++, C, JavaScript, C#, VB and SQL. It guides students through writing code and upon submission, it will be compiled and students will received either a list of error messages or confirmation that the code was correct. CodeLab has over 200-800 short exercises, each focused on a particular programming idea or language construct. The student types in code and the system immediately judges its correctness, offering hints when the submission is incorrect. Through this process, the student gains mastery over the semantics, syntax and common usage of the language elements. Computer Science is a very challenging major. Some students pick the concepts fast, while others struggle. The Computer Science faculty have always recommended that students purchase code lab. Until we purchased site license in 2013, students paid $15 each. This put many students at a disadvantage. Please check the table below which shows the number of students used the software between 2010 -2013 compared to the current number:

|  |  |
| --- | --- |
| **Year** | **Students** |
| 2010 | 547 |
| 2011 | 589 |
| 2012 | 852 |
| 2013 | 685 |
| 2014 | 2100+ |

In 2014, a one year site license was purchased for $8300.00. The vendor has realized the significant increase in usage and is now asking for $18000.00 annual license with a max of 3000 users. I negotiated a 2 years **unlimited** annual license for total of $17,000.00 with annual maintenance fees of $2500/year to be paid from the Division annual lottery allocation. **That will be a savings of $14,000 over 2 years.**

**Total Requested: $17,000.00**

**2. How many students will benefit from this purchase?**

The Computer Science faculty have always recommended that students purchase code lab. Until we purchased site license in 2013, students paid $15 each. This put many students at a disadvantage. This will continue to give each student the opportunity to practice and excel at their own pace. The number of user jumped from 700 to 2100. With the increase in CS enrollment, the number is expected to go higher.

**3. How does this enhance your Equity Goals?**

The numbers above shows that less than one third of students purchased the software prior to purchasing a site license. Most likely those who could not buy are those who cannot afford it. The number of users tripled once it was made available to everyone.

**4. How does this enhance your Student Learning Outcomes?**

*SLO: Create algorithms, code, document, debug, and test introductory level C programs.* Reflection & Analysis: Give students more opportunities to practice writing algorithms and programs online AND in the lab classroom, in particular, in small groups so more discussion would enhance learning. CodeLab will certainly help achieving this SLO.

**5. Was this noted on your Program Review?**

Yes, it was mentioned by name.