**Unit Goal Revisions**

**2022-2023**

**Plans for the unit for the second year of the two-year plan (xx-xx)**

**Name of Program/Department:**

Computer-Aided Design Drafting, Automotive/Automated Manufacturing, Electronics, Industrial Maintenance Technology Programs/ Manufacturing and Technology Department

**PERSONNEL REQUESTS:** Below please list any NEW personnel requests. All full-time requests should be listed first followed by any part-time requests. *\*This does not include replacements for current personnel who may leave during the year, because their salary is already included in your budget. \** If you have no personnel requests, you may skip this section.

**Brief Description of Request:**

**Proposed Job Title:**

**Salary Schedule:**

**Annual Salary and Benefits (This information can be obtained from HR):**

**Justification to support personnel requests including data:**

**EQUIPMENT REQUESTS:** Below please list *ANY* equipment requests, including replacing old equipment. If you don’t have any equipment requests, you may skip this section. Please number your requests for easier tracking and reference.

1. **Description of Equipment Needed:**

Smart Board

**Number needed (if more than one):**

**Equipment Location (please include campus, building, and room number):** Jefferson Campus, Manufacturing Technology Center, Room 114 (CADD Lab)

**Cost of Equipment (please include cost per piece and total):** Approximately $10,000

**Justification and data (if applicable) to support equipment request:** With the modernization of the CADD lab consisting of (17) new workstations, (3) desktop 3D printers, walls, and floors painted, having a Smartboard will create a 21st-century design and visualization learning lab. With a Smartboard, learning YouTube video assignments can be created, along with the use of online virtual simulators, and CADD software demonstrations can be initiated using this visual media technology. Currently, the Manufacturing Technology Center has 3 Smartboards used for differentiation instruction and learning engaging activities and assignments.

**ALL OTHER REQUESTS:** Below please list any additional requests that were not included above. This may include items such as; professional memberships, monetary budget requests for department or program activities, accreditation fees, etc… If you don’t have any of these requests, you may skip this section.

1. **Description of need:** TransfrVR Headsets and Annual subscriptions

**Cost:** $30,000

**Justification and data (if applicable) to support the request:**

The cost is based on an outstanding annual subscription fee and the purchase of additional heads (5). The additional headsets will allow additional learner participation, thus improving subject content learning retention and engagement.

1. **Description of need:** iRobot Root Pro robots

**Cost:** $4,000 (12 mobile robots)

**Justification and data (if applicable) to support the request:**

The purchase of the iRobot Root Pro robots will enhance the Introduction to Robots class by allowing learners to explore mobile robotics technologies. Mobile robots are used in Amazon warehouses to transport product goods to pickers that package boxes to be shipped to customers. The Bessemer facility has such robots in their distribution warehouses. In addition to understanding cobots and arm-based robots, our learners will receive the knowledge and skills on mobile robot technologies needed to work at such an industrial facility. Further, DE learners can compete in the Robofest International competition which is held yearly on-site and remotely.

**PRIORITY PAGE:** Please consider all budget items described above including personnel, equipment, and other then list them below in priority order. The most important and needed request should be listed first, the second most important second, etc… A full description is not needed, just the title and/or name of the item is sufficient.

**PRIORITY #1:** TransferVR Headsets and Annual subscription renewal

**PRIORITY #2:** iRobot Pro Robots

**PRIORITY #3:** Smartboard

(add more as needed)