

Assessment Tool for CACCAM Design and Unit Conversion – Activity 1

COURSE:

STUDENT NAMES:

ACADEMIC PERIOD:

3D DESIGN FOR BIKE PEDAL USING AUTOCAD 2017 AND CONVERSION BETWEEN UNITS

- 1- After completing the design of pedal in Autocad 3D, submit the two Autocad dwg files that show the bike pedal, in mm and inches units. Name each files as BIKEPEDALmm and BIKEPEDALinches. Include all student names that are part of team. (40 POINTS).
- 2- What was the easiest part of working with Autocad to complete the design? Explain in detail and take into account every student opinion. (5 POINTS).
- 3- Submit (in printed version) the developed calculations (using the template for solving problem) for conversion between the millimeters and inches for the bike pedal drawings. (30 POINTS).
- 4- What was the most difficult part of this problem solving basic process? Explain in detail and take into account every student opinion. (5 POINTS).
- 5- Coordinate with your team and with the Instructor for a very short presentation of the 3D design results and calculations to the whole class. Make sure the presentation is completed in Powerpoint with no more than 4 slides and a 7 minutes presentation by the team, including participation from every team member. (20 POINTS).