



# THE UMIDEA PROGRAM

INNOVATIVE DESIGN FOR ENGINEERING APPLICATIONS



## MECHANICAL PROJECT APPLICATION FORM

### COMPANY INFORMATION

Legal Company Name: \_\_\_\_\_ Address: \_\_\_\_\_

City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Website: \_\_\_\_\_

Company Description (Company Size, Market Segment, Engineering Disciplines, etc.)

### CONTACT INFORMATION

	Primary Contact	Secondary Contact	Accounting Department Contact
Name:			
Position:			
Office Phone:			
Cell Phone:			
Email:			
Expected Payment Timeline: (Upon Receipt, Net 30/60)	N/A	N/A	

Please mark the preferred phone number for each contact with \*

## PROJECT INFORMATION

This project is for the Mechanical (September-December) course.

We are interested in being considered to continue this project into the winter semester for a prototyping and testing phase as part of the Advanced Engineering Design (AED) Technical Elective (January-April).

**Project Category (pick as many as are applicable)**

- |  |  |   |                                       |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> R&D and Manufacturing                       | <input type="checkbox"/> Tools/Jigs/Fixtures | <input type="checkbox"/> Aerospace/Aviation               | <input type="checkbox"/> Agriculture  |
| <input type="checkbox"/> Controls/Vibrations & Acoustics             | <input type="checkbox"/> Biomedical          | <input type="checkbox"/> Materials                        | <input type="checkbox"/> Thermofluids |
| <input type="checkbox"/> Facility Planning/Workplace Health & Safety |  | <input type="checkbox"/> Process Improvement & Management |                                       |

**Project Title:** \_\_\_\_\_

**Project Background (Product, Process, Current problems experienced, etc.)**

**Design Goal/Problem Statement (“Design/Develop a...”)**

**Project Scope**

<b>Needs and Wants</b> <b>Ex)</b> The design must not plastically deform or buckle, the design should be quick to assemble, etc.	
<b>Constraints/Limitations</b> <b>Ex)</b> Budget, Size, Fabrication Limitations, Industry Standards (ISO, ASHRAE, etc.), etc.	
<b>Specifications</b> <ul style="list-style-type: none"><li>• <b>Current Numerical Parameters (if applicable)</b></li><li>• <b>Target Numerical Parameters</b></li></ul> <b>Ex)</b> Load Time, Efficiency, Factor of Safety, Forces Exerted, Desired Dimensions, etc.	

**Expected Project Deliverables (CAD Model, BOM, FMEA, Preliminary Engineering Drawings, etc.)**

**Please list any requirements students have to fulfill to participate in this project (Background Checks, Certifications, etc):**