

The Innovative
Design
for Engineering
Applications Program

“Developing Design Ready Engineers”



UNIVERSITY
OF MANITOBA

Faculty of Engineering



UofM IDEA:
Developing Design Ready Engineers

The U of M IDEA Process

- Industry projects are accepted
- Student work groups are formed
- Industry-student meetings are scheduled
- Upon completion written and oral reports are presented



Industry Benefits

- Up to 300 hours of student design
- Support from faculty and staff
- Exposure to potential employees, customers or suppliers
- Allows forward movement on projects currently lacking resources



Student Benefits

- Complete requirements for graduation
- Opportunity to apply skills to real-world problems
- Chance to gain experience with the design process



Terms of Participation

Industry requirements

- \$1000 fee for participation
- Availability for student queries

Student deliverables

- Student prepared reports
- Poster and oral presentation
- Prototype if applicable



Suitable Types of Projects

- Equipment or fixture design
- Lean manufacturing implementation
- Process improvements
- Health and safety concerns (repetitive strain, ergonomic issues, etc)
- Material or product handling



Important Dates

- **August 12th** – Project application deadline.
- **September 9th** – Notification of acceptance.
- **December 6th** – Students present posters and oral reports, followed by a reception.

