

# Project I Description

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**Project Name:** ASME SDC: The Robot Pentathlon

**Sponsor:** LAU

**Team Size:** 3 MEE Students

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## Project Overview

The Olympic Summer Games test the abilities of people throughout the world in a wide variety of athletic challenges. The athlete that wins the Olympic decathlon or heptathlon is referred to as the world's greatest male or female athlete. The 2017 ASME Student Design Competition challenges the technical design skills to create a robot that is fast, strong, and agile. The team must build a remotely controlled device to compete against others in five different events (Sprint, Lift, Throw, Climb, and Hit) – a robot pentathlon. Scores from each of the events will be combined to determine the overall champion<sup>1</sup>.

## Project Areas and Majors needed

Kinematics (1 MEE Student)	Instrumentation (2 MEE Student)
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## Project Deliverables

Design and Build a robot with as per competition rules at the link below:

<https://www.asme.org/wwwasmeorg/media/ResourceFiles/Events/Competitions/2017-Competition-Rules-Final.docx>

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<sup>1</sup> [https://community.asme.org/student\\_design\\_competition\\_teams/w/wiki/10603.2017-student-design-competition-faqs-the-robot-pentathlon.aspx](https://community.asme.org/student_design_competition_teams/w/wiki/10603.2017-student-design-competition-faqs-the-robot-pentathlon.aspx)