

# Apex Mechanics

## PROJECT EXPO

<https://asmeaswan>

### About APEX Mechanics

APEX Mechanics is a mechanical engineering competition focused on designing, building, and presenting innovative engineering projects. It provides students with a real-world platform to showcase their technical skills and creativity.

### Participation Requirements

- Open to undergraduate students in mechanical or related engineering fields.
- Teams represent their university
- One team per participant.
- Team size: 3-6 members.
- Optional academic mentor



All teams must submit a comprehensive technical report documenting their project design, methodology, and results.

### Competition Tracks

- Robotics & Automation
- Manufacturing Systems
- Machine Design
- Thermal & Fluid Systems
- Sustainable Engineering

### Evaluation Criteria

- Idea
- Implementation
- Presentation
- Impact
- Design

Total : 50 Points

### Presentation Format

5-10 minutes presentation

5-10 minutes Q&A

- Each team must present:
- Design process
  - Challenges
  - Results

### Competition Awards

**1st Place**  
Apex Champion

**2nd Place**  
Excellence Award