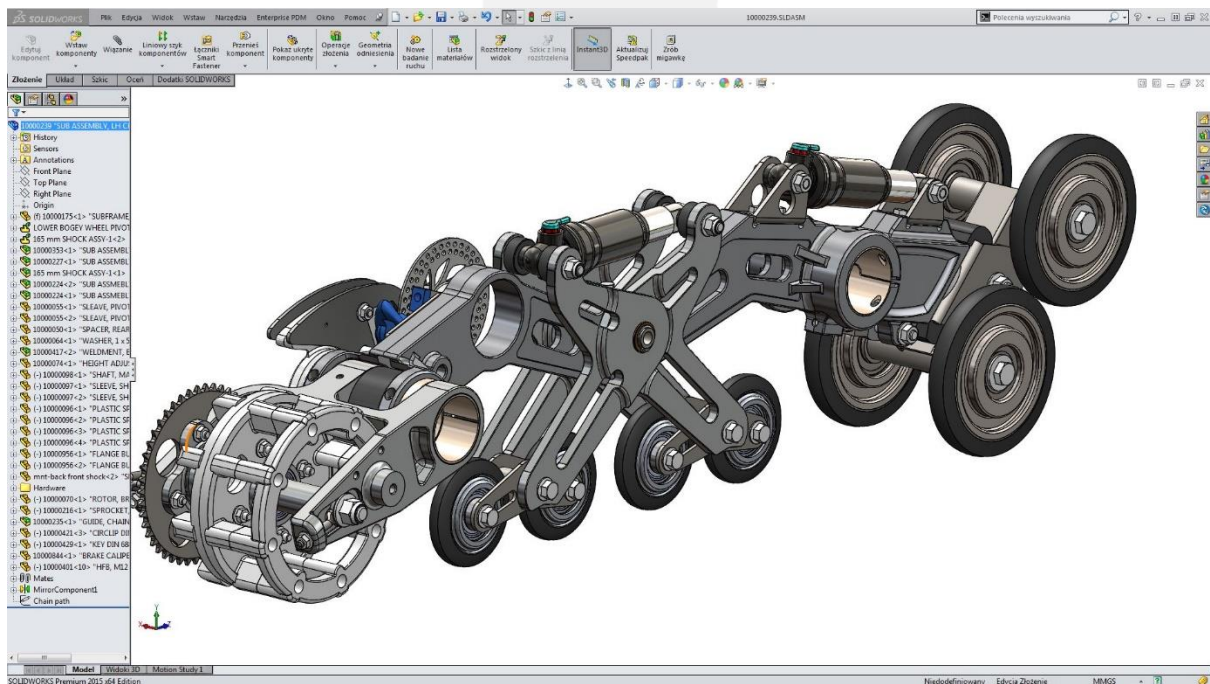


## CAD Knight



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## 1. Introduction

As we all know the importance of intuitive Virtual Design in present technical/industrial era. The entire process includes prototype creation, manufacturing, testing, enhancing intelligence. It all begins with a 3D Model & Analysis using computer software's like **SolidWorks**, CATIA, ANSYS, etc. Thus, we bring you a platform to hone your skills, get a hands-on experience on SolidWorks, get rewarded for acquiring these skills and have a glimpse how you can design a product that can revolutionize the whole World.

## 2. Problem statement

Make your way to victory by applying your designing skills

## 3. Event Rules and Specifications

### 3.1. Team Size

- Students from different colleges can form a team. A team may consist of maximum 3 members.
- The students must carry valid student ID cards of their college which they will be required to produce at the time of registration.

### 3.2. Eligibility

Any student from a recognized institute/college can participate in this event.

### 3.3. Rules

1. Modelling is allowed only in SolidWorks.
2. All the parts should be self-made. Plagiarism will not be tolerated.
3. Given dimensions must be strictly followed.
4. Involvement of Industry experts is prohibited

### 3.4 Event Structure

For the STAGE-A, the teams will be given the blueprint of the model illustrations to be prepared via E-mails.

The teams will be given a deadline for the submission of the final assemblies after which the entries won't be accepted.

Once, this event closes, next day, STAGE-B problem statement will be released where they will be given the themes/topics for open designing of the models.

Marking scheme will depend on both the rounds. Innovations, if any, might fetch higher marks.

Top 5 teams will be selected for last round which will be held on the next day, where the teams will have to design a product prototype cad model.

Theme for prototype will be released on the same day.

## 4. Judging Criterion

1. Accuracy of your model in Stage A.
2. Explanation of the steps followed during designing.
3. Any shortcut/tricks may fetch extra marks as efficiency is what we
4. Innovations of the design in Stage B and Stage C.
5. Understanding of the software.
6. UNIQUE SELLING PROPOSITION (USP): Special factors (if any) that would make someone buy your product in Stage C.

**All decisions taken by the organizing team will be deemed as final, and no more changes will be encouraged, thus holding the full authority to change any of the above rules as per circumstances.**