

Cost and Manufacturing

There are two main classes of vehicles at the event, Formula Student (FS) Class and Concept Class. FS Class incorporates all running vehicles competing in the dynamic events. Concept Class entrants are typically a rolling chassis, or concept in preparation for FS Class. Since 2012, the sustainability aspect has been integrated into the Cost event, and is known now as the Cost and Manufacturing event.

What the student teams submit:

For this event each of the student teams will submit a cost eBom report before the event, detailing the manufacturing processes, material selected and associated costs of their complete vehicle. The eBom is pre-assessed before the event to give a comparative guide at the event. The student teams present to the Judging teams with the car and demonstrate that the costs report accurately represents the vehicle presented. This session will also assess their manufacturing knowledge and cost avoidance and mitigation understanding

Cost Judging:

At the event each team takes part in the 'Cost Event' where they can achieve 110 points out of the total 120. The final 10 points are achieved by being in the top teams at the end of the main Cost Event. During each cost event session, judges will ask questions to clarify issue identified to enable them to make a fair assessment based on defined criteria they are expected to demonstrate related to cost and manufacturing.

Cost Final Judging:

The Cost Final is held on the Saturday of the event, hosted by the head and deputy cost judges where the final scores are achieved for this event. Teams that have scored the highest will be given the opportunity to present their knowledge and understanding again to define the final positions for the whole Cost Event.

Experience required:

Judge candidates can have a wide range of skills and we would not limit applications should candidates feel they have any shortfalls. We always make sure that judging teams have a range of skill sets and would never ask inexperienced judges to act in a capacity they were uncomfortable with. An example of skill sets and job roles of previous Cost and Manufacturing Judges are detailed below. Please note this list is not exhaustive:

- Cost and Process Estimators
- Mechanical Engineers
- Electrical Engineers
- Civil Engineers
- Process Engineers
- Accountants
- Procurement and Supply Chain Specialists
- HR Business Partners
- Tooling and Machinist
- Project Managers
- Charity Leaders
- Junior / Middle / Senior Managers / Board / CEO
- Academics or Teachers
- Past Formula Student Participants that had a particular focus on the Cost Event

To apply to be a Cost and Manufacturing Judge at Formula Student 2023 please click here: [Application](#)