Formula Student 2015 Design Judging Score Sheet (Class 1)

University: **Car No.:** **Weight (kg):** **Judging Team:**

Max Points	Assessed Area	Points Awarded	Comments (Judges to highlight particularly strong or weak aspects of the design in each assessed area)	
10	**Design Report Score** (quality of pre-submitted report)	10		
25	**Overall Vehicle Concept** (Conceptual appeal, benchmark data, risk analysis, overall appearance, choice of basic concept, mass. Justification of powertrain option chosen)	25	**GOOD**	**POOR**
15	**Overall Integration of Development** (Build quality, preparation, integration and verification of all sub systems)	15	**GOOD**	**POOR**
15	**Driver Environment & Low Voltage Electrical Systems** (Controls, ergonomics, safety, low voltage wiring, driver display)	15	**GOOD**	**POOR**
20	**Chassis Design & Development** (Frame & structural aspects, fundamental engineering, e.g. load paths and safety. Suspension, steering and brakes)	20	**GOOD**	**POOR**
30	**Powertrain Design & Development** (Engine, hybrid system, high voltage electrical system, possible alternative fuel optimisation. Transmission and drivetrain. Safety considerations)	30	**GOOD**	**POOR**
20	**Practical Design Aspects** (Design for profit, manufacture, servicing and adjustability, fitness for purpose for customer)	20	**GOOD**	**POOR**
15	**Application of Engineering Science** (Effective use of innovation, advanced analysis, IT design & development, information sharing)	15	**GOOD**	**POOR**
150	**DEDUCTIONS (- 50 max)** **Only use for carryover parts OR overall lack of knowledge** **TOTAL (before moderation)**	-50 100	**Overall Summary Good**	**Overall Summary Poor to work on**

- *Up to 50 points may be deducted for too much carryover of last year's car and/or lack of understanding of the design, development, manufacture and costs of the car. 25 points may be deducted if the car fails to start at least one of the dynamic events.*

Form completed by (write name in BLOCK CAPITALS): _____