**Lead Powertrain Engineer**

**Answers to:**

* Engineering Directors
* Senior Engineering Team (SET)

**Responsibilities:**

* Leading, managing and day-to-day running of the Powertrain Engineering Team
* Integration of the powertrain with ALL other car components and systems
* Team liaison (with directors and other engineering teams)
* Producing a working, competitive powerplant
* Sourcing, installing and testing an internal combustion engine
* Sourcing, installing and testing a drivetrain
* Designing, building, testing and refining competitive, compliant intake and exhaust systems
* Designing, sourcing, testing, refining and integrating safe outboard engineering components (e.g. fuel tank, oil reservoir, radiator and coolant etc.)
* Producing effective electrical systems for engine management
* Making minor powertrain engineering and design decisions
* Producing powertrain presentations for the Formula Student competition (e.g. poster)
* Ensuring the Powertrain Engineering Team is prepared for the Formula Student competition

**Notes:**

* Must be either a 1st or 2nd year engineering student
* ‘Minor’ decisions are those which will affect only the powertrain system and not the vehicle as a whole: these decisions must be directed to Engineering Directors