

sunswift III

Two seater

Top speed of 140km/h

95 km/h on 1.8kW

95% efficient electronics

Entirely student designed and built



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What we are

Sunswift is a multi disciplinary student run project. The idea of such a project is to give students hands on experience in areas that will be useful for their future careers. An overview of the areas is given below.

What we do

Marketing

- Advertising - media coverage (newspapers, radio, magazines, TV)
- organising events (displays, talks, school visits etc)
- Sponsorship - Honing your salesman skills, raising our profile within the industry, raising awareness of what we do, attracting potential sponsors.

Graphics/design

- Design of posters, articles, brochures and other handouts

Industrial design

There is a significant amount of design work for the car, - with the additional constraint that everything we put in the car must be as light as possible. Possible projects include:

- Driver and passenger seat design, for comfort, back and neck support
- Cooling system
- Mechanical systems (eg suspension, brakes, roll bar, aerodynamics)

Manufacture/Mechanical

- Building the car. You will gain experience working with composites (carbon fibre, fibreglass), wood and metal, hand tools, machine tools. You do not need any experience, we will teach you what you need to know.

Computing/Electrical

- Designing and building hardware and software that controls all aspects of the car.

Why should you join us?

- Hands on work experience. The Sunswift project is an ideal project to gain experience relevant to the real world. The skills you can gain are skills that can be directly applicable to your chosen field of work.
- Meet new people.
- Trips across the Australian desert (byo sunscreen). We will race *Sunswift III* from West to East, and North to South across Australia, in two races in 2007.