

## Team Pegasus

A go-kart is a type of open-wheel car which come in all shapes and forms, from motor less models to high-powered racing machines. In some countries, go-karts can be licensed for use on public roads often referred to as street tracks.

Karts may seem like little cars, but there are some defining characteristics that separate them from ATVs or other tiny conveyances. Obviously, size is a big factor, but one major aspect of a kart is its complete lack of a traditional suspension; here the axle is firmly affixed to the frame, there is no differential (both rear tires turn at the same speed), and while things like camber and caster may be adjustable, there are no dampers or springs. Overall kart layout tends to feature a driver sitting beside a low capacity engine (generally 125cc or less) that uses either chains or gears to drive the rear axle. Traditionally, a kart has a single brake disc on the rear and nothing on the front (though that's not always the case), and the brake pedal is situated to the left of the kart, with the throttle on the right, forcing the driver to either learn left-foot-braking or go hurtling off course.

Karting is the safest, cheapest and, arguably, best avenue into motorsports for those with the desire to compete. It's also a dizzying sea of classes, chassis, engines, tires, tracks, rules, and affiliations, some of which are tightly controlled by global organizing bodies. Guest lecture by Dr.N.Murugan. Professor, Department of Robotics and Automation Engineering, PSG College of Technology, on 4th Sep 2018.

In application of steel materials, while development of steel materials is solely important, progress in welding technologies making good use of advanced steel materials is also necessary and indispensable. In recent years, high tensile strength steels have progressively replaced mild steel, Progress in welding technologies adopting these materials is strongly demanded in order to make the best use of these high tensile strength steels and establish a global position of technological superiority.

