International Go-Kart Championship is a global student challenge with a mission of encrypting students with technical as well as practical knowledge of designing and manufacturing a go-kart. The mission is to bring out the students from their lecture halls and use their theoretical knowledge and out of the box ideas.

I led the design of the university kart vehicle to compete in IGC 2013, key responsibilities included:  
   
• Took responsibility for team formation and recruitment, Planned Design & Execution, Allocated resources and defined deliverables to sub-teams.  
• Chassis Design: Designed a tubular frame chassis complying with rules of the competition, and for stiffness and strength requirements for handling and safety.  
• FEA: Performed structural analysis and optimization for chassis and mounting components of the kart to perform under conditions encountered in the competition.

Additional Details: <https://seelio.com/w/3rji/igc-karting-championship-2013>