

GCU Racing

Issue Two – August 2019



Updates!

- 1st team meeting of 2019/20 session
September 17th
15:30
- Follow our Instagram
(@gcuracing)
- The last karting session, that was run by our president, was a great success so keep your eyes peeled for the next instance of the GCU Racing goes karting!



Main Story – The year ahead

Welcome to the second issue of the GCU racing newsletter, this month is about the year ahead, what we must do, and how we will do it!

In October the 'learn to win' event will take place to introduce teams to the new rules for 2019/2020 which is likely a crucial to getting an upper-hand!

With fresher's week coming up in mid-September GCU Racing will be represented with a stall at the fair where will aim to attract new members to the team with a racing simulator!

Business team - Update

- Gabriel Kane, Ryan McFadden, and Jack Hannigan

We have been developing a business plan for turning our prototype sports car into a profitable business opportunity, GCUR. This will be the first of the Team's submission to gain entry to the 2020 Formula Student competition. So far we have identified a gap in the market in the motorsport community and we are currently focusing in on this while developing several strategies targeting this market space. These strategies include self-build car kits, simplified engineering kits aimed at schools/colleges as well as high performance parts tested by the racing segment of the business.

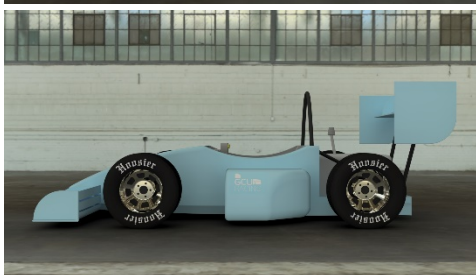
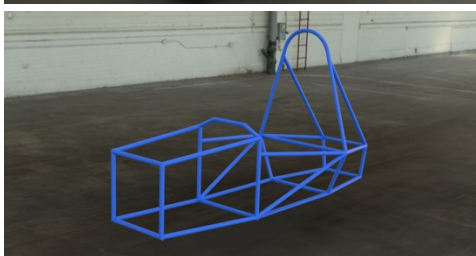
Fundraising team - Update

The fundraising team had its first potential sponsorship meeting with Create Education. They specialise in bringing 3D printing access to students from primary to university level. This potential sponsorship will give the team access to industrial grade 3D printing using anything from steel to carbon fibre. This potential agreement will allow us to print many components of the car while also giving us access to multiple small 3D printers and provide us with the material and technical guidance needed to utilise them. This agreement is estimated to be worth between £2500-£3000. This is the first step toward our £32,000 goal.

Updates from the design teams

Miscellaneous team – *Andrew Jenkins*

The Misc. team deserves a huge thank you for the renders of the car, they are great to be used as a marketing material also and these renders will be shown to all prospects as well as on the website and marketing material.



Frame and body team – *Joshua Mordecai*

The frame and body team have produced the first iteration of the spaceframe chassis which is currently awaiting a few dimensions from the suspension team before it will be test-ready.

Electrical Team – *Callum Hastie (Interim)*

Thanks to Callum for the design of the new dashboard as per the rules. This is being passed over to the miscellaneous team to bring into CAD and a render will be revealed next month! Callum is currently working on a work package to entice more electrical students in to the team.

Control teams – *Cameron Mackie*

With the wheel mount nearing completion and the four corners of the car coming on nicely we should see the first development next month.

Engine team – *Ian Mackie*

The engine team have been hunting down CAD files for the YZF R6 engine as well as looking in to the intricacies of intake manifolds and the cooling system. Jack Hannigan is running his honours project in tandem with us to develop an effective cooling system.

A Wee Message from the R&D Head

Well it's safe to say that August has flown by and it's great to see all the hard work many of you are putting into the team! A bit like our president, Callum, I have been a huge fan of motorsports and spent a bit of time karting when I was younger. Being the only *Masters*-level student on the team this is my only chance to take part in Formula Student, so I am making the most of the opportunity! I am excited to apply the knowledge I have gained in 3D modelling and FEA over the last few years to this awesome project. On top of this I will endeavour to ensure that the car is delivered on time before the competition at Silverstone. As ever, keep up the good work and I look forward to seeing you all in September.

If you are interested in being a part of the team then send us an email at racing@gcustdents.ac.uk or look at our [GCU society webpage](#).

