

GCU Racing

Issue Three – September
2019



Updates!

- [Follow our Instagram \(@gcuracing\)](#)
- [Follow our Twitter \(@gcuracing\)](#)
- Check out the August Karting timings on our Facebook Page!
- Remember order your GCU Racing T-shirt modelled below

GCU Racing newsletter

Welcome to the third issue of the GCU racing newsletter, this month we would like to highlight the work of our staff liaison Gyorgy Lak, whose help has contributed immeasurably towards the team, its achievement so far and to come!

Check out the timings from our karting sessions to see our fastest lap times, who will come out on top, as *GCU's fastest driver!*

As always we hope to enjoy reading our latest newsletter, seeing what the team has been up to, and viewing the progress made by our team on our car!

Welcome from the President – Callum Hastie

Recently, our team has grown to include students from all areas of the university including students from business, marketing as well as events management. The expertise from these students will help us become a stronger and well-rounded team. Recently we spoke with the technicians who are eager to help us during the fabricating process of the car. With the help of the student's association and technicians, we have been given an allocated space to store the car when we start bringing the designs to life.



Updates from the design teams



Frame and body team – *Joshua Mordecai*

In September we took some time to get back into the flow of things and to plan our steps moving forward. For the end of October, we hope to develop 2 finished frame design and to plan the manufacturing of the frame.

Electrical Team – *Callum Hastie (Interim)*

This year, the electrical team has doubled in numbers with new electrical engineers (Kirstie Weldon, Alexandru Belea and Daniel Scott). The team is working hard on creating a custom telemetry system, display unit and various circuits required to run the car. A lot of research is being done on finding the best way to transmit live telemetry data and how to create the telemetry system in an inexpensive manner.

Control teams – *Cameron Mackie*

You will see featured some renders completed by the control teams this month, showing a suspension system, front and rear wheels, and a wheel mount.

Engine team – *Ian Mackie*

The engine team have finally managed to find a CAD model for our Yamaha R6 engine. Big shout out to David Thompson who emailed Yamaha themselves as well as many of their dealers trying to get access to this. We also have multiple honours projects that will directly feed in to the engine, with the intake manifold and cooling system being the two that are being focussed on currently.

A Wee Message from the R&D Head

Well guys, its fair to say the pressure is now on to start delivering designs for the main assembly. You may notice we now have a WHOPPING 22 Honours students working on projects for this car, plus a Masters team. They are all here to help us and are part of the team, remember to ask them all the hard questions! I will endeavour to improve my own communication with the design teams as well as honours students so that we can deliver the car on time! Keep pushing, we can do this!



Updates from the business teams

Fundraising team – Jack Hannigan

The fundraising team is happy to announce our partnership with RS Components. In exchange for a Tier 3 sponsorship plus car spot. The GCU Racing team will gain a £500 worth of credit to spend at RS Components on Electrical components, cabling, steel tubing and sheeting, fasteners, and bolts. We also gain access to DesignSpark software including PCB, Mechanical, Electrical, Safety and Toolbox plus resources on RS University. We have also applied to the common good fund to receive some fund from the university and are now looking toward the dragons den event.



The fundraising team has met to discuss how we will get a slot into their monthly newsletter which will help us to gain exposure and possible partnerships. We also have a GoFundMe page up and running on our Facebook page so please donate generously and share.



A Wee Message from the Business head

Once again, another month has past and the executive team including myself would like to thank the whole team for all the continued hard work you are all putting in. Unlike our president Callum and Head of R&D Ian at no point in my 22 years have I ever been interested in motorsport and have been karting twice in my life. My interest comes from engineering which is why I'm in charge of the Business side of this project. Despite these two troubling facts I've enjoyed every moment of this experience. I myself am a 4th year with the plan to do a master's degree next year. This project will allow me to put my adaptability to the test by working on problems and issues outside my field of knowledge. Once again thanks for the hard work everyone, and one last thing pay your membership fees if you haven't already.

