



# Monthly Brief

## September 2024

### TEAM PRINCIPAL OVERVIEW

Having recently taken over the role as Team Principal I wanted to introduce myself; my name is Callum and I am a final year MEng Aerospace Engineering student. I completed a placement year at Bosch BEG between my second and third years. Having been on the team for four years I am incredibly excited to bring my skills to this role and manage UoL Racing at such a key time in its history.

This month has been a busy and hugely important one getting everything up and running ahead of the upcoming season.

September started with a team trip to Prescott Hillclimb courtesy of the Bugatti Trust. This was a great networking opportunity to not only talk to other Formula Student teams but also with competitors, many of whom have over 20 years working in the industry. The highlight of the event was seeing the huge variety of cars pushing the limits up the famous hill with the crescendo coming when seeing our fellow FS teams take the hill in the cavalcade. It was a very fun and insightful event, I would once again like to thank the Bugatti Trust for inviting us and we look forward to bring our car along next year.



Recruitment for the 2024-25 season was released for 2nd years and above on the 27th August. With unexpected delays being a prominent occurrence for the team last year, we wanted to host our recruitment drive earlier than previous years to allow us to hit the ground running from the start of term.

Our first wave of recruitment was a huge success receiving 120+ applications, a new record for the team.

Our second round of recruitment for first and foundation year students is now live which has gained a lot of interest at our freshers fair stall (above).

On Wednesday 25th the season got officially underway with the team-wide 2024/25 kick-off event (left). As is tradition, the new management team was introduced, our FSUK24 results were discussed and critiqued and the technical timeline and goals were presented among other topics. The day was finished off with an ice breaker karting session at Sutton Circuit which proved to be fun way to end a very productive month.

**Callum Howes**  
UoL Racing Team Principal



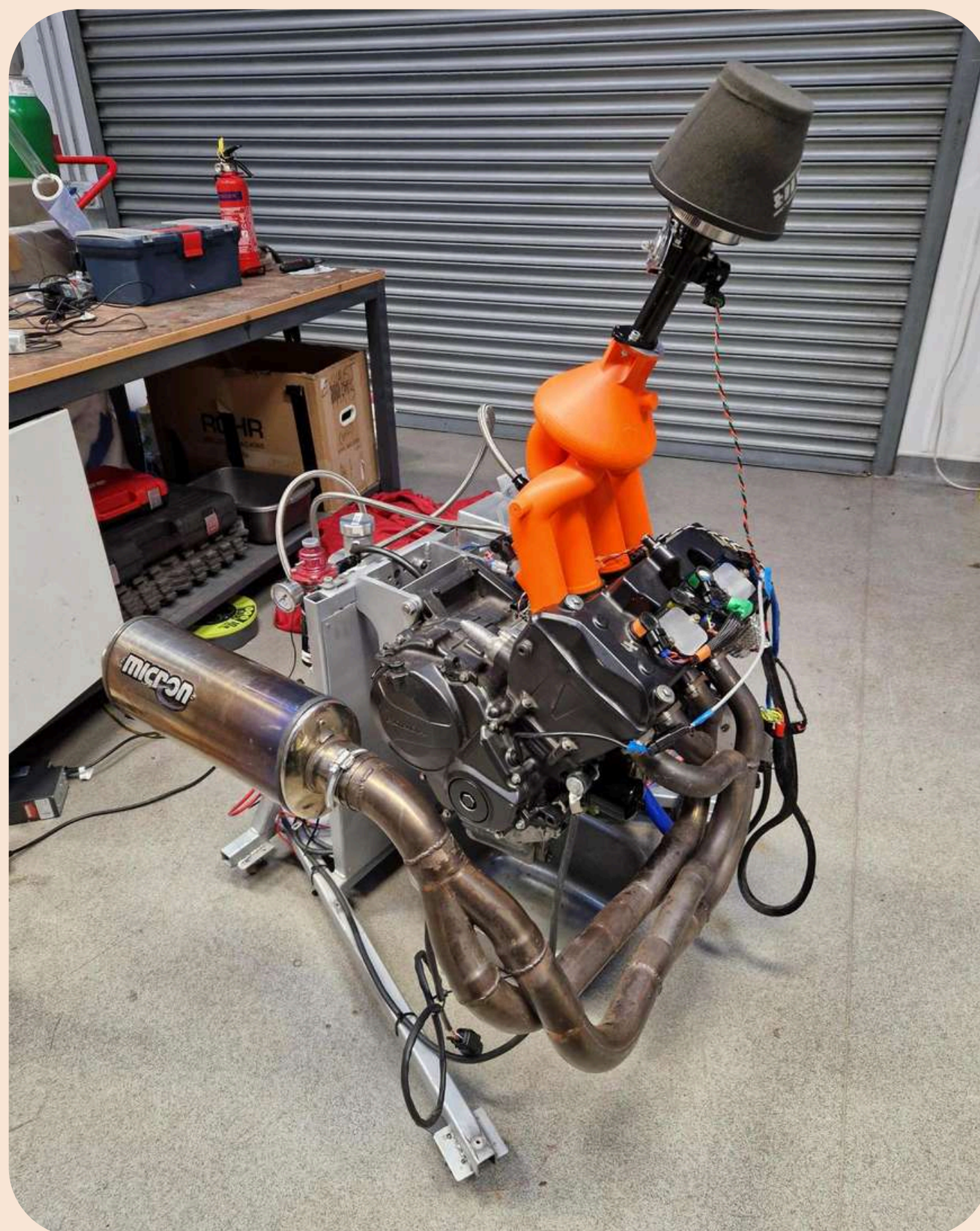


## CHIEF ENGINEERS DEBRIEF

Firstly, an introduction I'm a final year Mechanical Engineering masters student. I've been on the Formula Student team at Leicester since 2020 joining in my 1st year. I've completed two placements during my studies, a one-year long placement at Forvia, and recently a summer placement at Frazer-Nash Consultancy.

Onto FS, we start the year in a fortunate position with a variety of major components completed. We have a rules compliant chassis, the majority of the components for the in-wheel assemblies manufactured and a brand new one-piece airbox, kindly 3D printed by our sponsors CAT.

Over the last few weeks, we have been working on getting our engine running on the test stand (right). This year our only major technical overhaul is our brand-new controls package centred around our new Haltech ECU. This decision was made due to the lack of datalogging available to us from our previous ECU.



Design work has picked up pace on numerous components; the pedal box is being 3D printed to ensure there are minimal fitment issues, the aerodynamics team are investigating mold manufacture for our sidepods and nosecone, the CAD team are working on finishing the Mastermodel of the car to accurately represent the current state of the car (left).

Our technical aims for this year are simple, complete a car and focus on passing on the engineering knowledge to younger team members. We have spent the summer developing a plan to ensure that this can be done effectively. We intend on delivering Technical Talks on topics around FS and engineering processes, these were trailed at the end of last year and were well attended and well-reviewed.



**Dylan Crawford**

UoL Racing Chief Engineer



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