



Job title	Teaching Assistant in Automotive Engineering	Job family and level	Teaching and Leading Curriculum Level 4A
School/ Department	Faculty of Engineering	Location	University Park Campus

Purpose of role

The University of Nottingham seeks applications for a part-time Teaching Assistant in Automotive Engineering to contribute to the supervision of our Formula Student and Solar Car vehicle projects. We are offering this part-time position up to 0.5 Full Time Equivalent (FTE). This role is offered as teaching and learning (T&L) only. The position may appeal to someone moving into academia from industry or a Research Assistant with appropriate technical background wishing to gain experience in teaching and learning.

The postholder will be required to support the supervision of both individual and group student projects working on the Formula Student and Solar Car projects. Applications are particularly welcome from candidates with direct prior experience in the delivery of such practical projects. The successful applicant will be expected to work collaboratively with the vehicle lead academics and dedicated vehicle technicians. We are looking for someone who has good existing understanding of associated vehicle design and manufacturing, with the ability to inspire students to work collaboratively within tight deadlines. The post will also involve supporting race and track testing events and various networking/outreach events including university open days.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	To supervise undergraduate major projects <ul style="list-style-type: none"> ▪ Supervision and assessment of group and individual projects 	70%
2	To help oversee vehicle design and build for competition <ul style="list-style-type: none"> ▪ To support the lead academic with the management of vehicle design and build ▪ To support the lead academic in planning and co-supervising vehicle and sub-system testing ▪ To support the lead academic in technical progress reporting into the Faculty Racing Team management committee ▪ To support supervision of students at race events ▪ To support outreach and fundraising events 	30%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Excellent oral and written communication skills, including the ability to communicate complex information with clarity. ▪ Excellent professional practise and interpersonal skills. ▪ Self-starting and pro-active, demonstrating the ability to work alone or in a team to meet deadlines and to prioritise tasks. 	<ul style="list-style-type: none"> ▪ Skills in planning and organising resources. ▪ High level analytical capability ▪ Skills in pastoral care and motivation of students at all levels
Knowledge and experience	<ul style="list-style-type: none"> ▪ Knowledge of Automotive Engineering Design and Manufacturing ▪ Experience in the organisation and delivery of practical group projects ▪ Experience in development and application of robust assessment, marking and feedback ▪ Evidence of a commitment to deliver quality services to students - including the ability to engage constructively with students ▪ Experience in training young engineers for effective team working 	<ul style="list-style-type: none"> ▪ Knowledge or experience of Industry standard design practices ▪ Knowledge of automotive sub-system engineering (propulsion, chassis, suspension, brakes, aerodynamics) ▪ Knowledge of Formula Student and World Solar Car Challenge competition regulations
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ Degree or equivalent in relevant engineering subject 	<ul style="list-style-type: none"> ▪ First degree and/or postgraduate study in Mechanical Engineering or related discipline ▪ Membership of a professional body where appropriate



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.



The University is a signatory of the Declaration on Research Assessment (DORA). As such we commit to focus on the scientific content of publications (where requested or provided as part of the recruitment and selection process) as a basis for review of quality, and consideration of value and impact of research conducted, rather than any proxy measures such as Journal Impact Factor.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others

