

JOB DESCRIPTION

Designation	Unmanned Aerial Systems Development Assistant (TP Career Kickstarter)
School/Department	School of Engineering / Aviation Research Centre (ARC)
Number of Position	1
Duration	9 months

Key Responsibilities
<ul style="list-style-type: none"> • Assist in designing, assembling, and testing unmanned aerial systems (UAS) for Research, Innovation & Enterprise (RIE) and competitions • Support the development and integration of drone components including airframe, propulsion, control and communication systems • Assist in troubleshooting and maintaining drones during development, testing, and flight operations • Support WorldSkills Competition Unmanned Aircraft Systems by providing technical guidance, operational assistance and logistical coordination • Perform safety checks, risk assessments, and regulatory compliance activities and procedures • Assist in documenting technical specifications, design iterations, and testing of outcomes • Prepare presentations and training materials

Prerequisites
<ul style="list-style-type: none"> • Qualification in suitable disciplines including Aerospace Engineering, Aerospace Electronics, Aviation Management and Mechatronics; an Unmanned Aircraft Pilot Licence (UAPL) or equivalent certification would be an advantage. • Possess domain skills in unmanned aerial systems (UAS) design, assembly, and operation, with a focus on drones and aviation technologies • Effective written and verbal communication skills, with the ability to explain technical concepts clearly and concisely • Strong teamwork and be able to collaborate across teams • Able to manage multiple priorities and meet tight deadlines, with flexibility to adjust to evolving project needs • Positive attitude and willingness to learn, and be open to new technologies and approaches • Work independently with minimal supervision, while remaining aligned with team goals and responsibilities