JOB DESCRIPTION

JOB TITLE: USW Dubai – Technician

GRADE & SALARY: USW Dubai Pay Package

Main Purpose of the Role:

To provide high-quality technical support to students and staff at the USW Dubai branch campus in the engineering laboratories, hangar and Engineering Workshop, contributing to an excellent student experience.

**Principal Responsibilities and Duties:**

The post holder will be a member of the USW Dubai team providing a professional, contemporary, employment-focused learning experience for students. The post holder will contribute to the academic standards, quality assurance and enhancement of courses. Viewing the student experience as essential, USW Dubai focuses on the gradual development of students to become independent learners. The duties and responsibilities of the post holder will therefore be to:

* Ensure that the laboratory, workshops and the aircraft maintenance hangar are ready for the start of the teaching year, including the preparation of test pieces, testing and checking of equipment, and liaison with academic staff. Ensuring that the correct equipment and/or samples are set up for the beginning of each timetabled session, or ad hoc sessions as required.
* Demonstrating the use of equipment and/or techniques to groups of students as required by the teaching team.
* To work with campus management to provide appropriate support to external projects and carried out in the Engineering laboratories, liaising with relevant staff to plan the programme of work
* Provide specialist avionic support for students carrying out projects in the Engineering laboratories and hangar ensuring that appropriate materials or samples are obtained from suppliers.
* Carry out appropriate preparatory work for each project, and the manufacture of component parts. Subsequently to work with students to develop their projects, giving advice and training as appropriate, and ensuring a safe working environment.
* Responsible for the maintenance of equipment in the workshop in good working condition, calling on specialist maintenance companies as appropriate, and to keep the workshop clean and tidy
* Responsible for Health & Safety in the specified laboratories, workshop and hangar including manual handling, COSHH assessments, and risk assessments as appropriate, and whenever working methods change.
* Demonstrate the equipment and operations of the workshop to visitors, for example applicants, teachers, and parents, and to contribute to events to publicise USW Dubai.
* Report to the lecturing staff on the short and long-term resources required in the workshop, and to provide information each year so that the rolling plan for equipment replacement is kept up to date.
* Ensure security of the equipment and to maintain an accurate inventory on the USW databases of all items under the areas of their control, updating the databases accordingly.
* Participate in staff development and training in order to maintain and develop skills in the area of expertise, to broaden expertise into other areas, and pro-actively to seek out such opportunities.

It is in the nature of the work that tasks and responsibilities can be varied and unpredictable. The post holder is expected to work flexibly when the need arises to undertake duties not specified within this job description but which are commensurate with the grade and level of responsibility of the post.

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| **Ideal Candidate Profile**Please note that the below is a description of the ideal candidate – consideration will be given to all applications even if not all criteria are met. |
| **Industry Credibility*** Appreciation of the Higher Education environment, with an understanding of academic requirements.
* An understanding of developments in aeronautical/aviation engineering
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| **Experience*** Aircraft maintenance background
* Experience of practical applications in aircraft maintenance/aeronautical engineering, and the practices and procedures of the aircraft maintenance profession
* Experience in avionic measuring equipment such as DVM, Ohm-meters.
* Experience in basic aircraft wiring techniques including looming.
* Experience in demonstrating crimping hand tools and operation to students.
* Teaching experience
* Understanding of Wiring Manuals and AMM
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| **Skills, Abilities, Knowledge*** Ability to communicate effectively both verbally and in writing through the medium of English (Essential)
* Sound knowledge of workshop practices and aviation structures and repairs and electronics and instrumentation with an aviation bias (Essential)
* Familiar with Aircraft manuals such as AMM, CMM, WDM, SRM, IPC, and some knowledge of aircraft materials and hardware
* Knowledge of the full range of equipment to be found in an Engineering workshop and the hangar, its operation, maintenance, and application to teaching, research and consultancy.
* Knowledge of Health & Safety procedures including COSHH
* An understanding of EASA regulations
* Knowledge of Aviation Avionics as applied to University teaching
* Ability to relate to students from diverse backgrounds, ages and experience
* Ability to use Microsoft Access databases
* Ability to operate with a minimum of supervision
* Ability to work in a team and to contribute to the other laboratory/workshop areas.
* Ability to work flexibly and willingness to attend meetings, engage in personal learning and development and other activities nationally and internationally as appropriate.
* Willingness to travel, as appropriate, to the UK branch of USW.
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| **Personal Attributes*** Values aligned with those of USW and the purpose of USW Dubai.
* Professionalism, creativity, determination and energy
* Ability to communicate with and support students and colleagues.
* Committed to resolving problems and tackling difficult issues with a solution-based focus
* Committed to developing effective working relationships across USW Dubai and USW UK.
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| **Qualifications*** HND level or equivalent
* Completed a recognised apprenticeship (preferably with an Aviation background)
* Membership of appropriate professional body
* First Aid Certificate
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