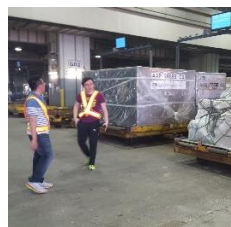**VRBD**
VIRTUAL REALITY & BIG DATA ANALYTICS CENTER

Virtual Reality and Big Data Analytics

QESS – Quarterly Progress News Update
Newsletter #2: 1 Mar 2016 – 31 May 2016
Project: *The development of an education and research center with automatic virtual reality platform for 3D interactive learning and big data analytics*

Project Highlights

March 2016

- ✓ **1.3.2016 – 4.3.2016** – Construction of CAVE floor platform, projection walls and truss system.
- ✓ **5.3.2016; 11.3.2016** – Installation of projectors, tracking systems, workstations, server cabinet and computers (Figure 1).
- ✓ **14.3.2016** – Kick-off meeting with representatives from Cathay Pacific Service Limited (CPSL), including CEO and Training and Development Manager of CPSL (Figure 2).
- ✓ **14.3.2016 – 18.3.2016** – Integration test on the CAVE system.
- ✓ **11.3.2016, 19.3.2016, 1.4.2016, 12.4.2016** – Interviews for Multimedia Designer (MMD) post. Selected candidate reported duty on 12.4.2016.
- ✓ **22.3.2016** – Fixing problems of platform noise and projector fixture issues.

April 2016

- ✓ **23.3.2016 – 11.4.2016** – Recruitment of Research Assistant (RA) for air cargo terminal operations analysis. Selected candidate reported duty on 11.4.
- ✓ **13.4.2016 – 15.4.2016** – Installation of console workstation. Testing on systems tracking and sensors monitoring.
- ✓ **21.4.2016** – Fixing problems on projector slide installation and alignment.
- ✓ **21.4.2016** – Meeting on content and cases at CPSL.
- ✓ **22.4.2016** – First draft of website design.
- ✓ **28.4.2016** – Pilot trial illustration for students and staff (Figure 3).

May 2016

- ✓ **15.4.2016 – 14.5.2016** – Recruitment Systems Engineer (SE). Selected candidate reported duty on 14.5.2016.
- ✓ **6.5.2016** – Photo and video shooting at CPSL for 3D drawings (Figure 4).
- ✓ **13.5.2016** – First draft of glass film design for the center.
- ✓ **16.5.2016** – Completion of the front page of website development.
- ✓ **26.5.2016** – Users experience survey; second pilot trial illustration session and distribution of questionnaires (Figure 5).

What's next? *Final integration tests for completion of CAVE systems; 3D design and drawings on unit load devices, 747-8F aircrafts and air terminal operation scenes; and loading plan simulation development.*

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