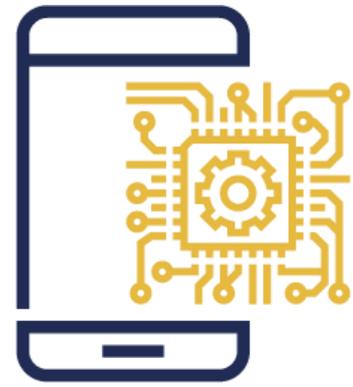# MEPS

MOBILEECOSYSTEMS & PERVASIVE SENSING

Company Name: Oracle VR
Funding: Contract Research & Development

Profile of Company

Oracle VR Limited is a start-up company set up by Niall O'Sullivan and Dennis Crowley with the objective of developing a Virtual Reality (VR) based software suite encompassing bespoke training solutions and aptitude tests which could replace traditional paper-based methods of delivery.

Problem to Be Solved

Oracle VR Limited approached TSSG to explore the idea of a VR based prototype targeted for use with second level Transition Year students in Ireland. This investigation would include a review of existing hardware with recommendations for possible devices which could be targeted for prototype deployment. Similarly, the VR based software prototype should implement aspects currently encountered by students in traditional based Aptitude Tests whilst capturing a quantitative assessment of student performance.

How Gateway Delivered Solution for Industry

Following requirements gathering and refinement – via meetings and correspondence with Oracle VR – TSSG delivered a two-part solution.
Initially, a Technology Roadmap was created and delivered which encompassed:

- A review of the existing (and imminently released) hardware – with a focus on the technical specifications of candidate devices and features that are most relevant to the envisaged prototype.
- A review of currently used Aptitude Tests – breaking down the types of questions (and sections) which are most suitable for augmentation in the envisaged prototype.
- Design of the prototype and its content.

Development of the initial prototype with tested deployment to a VR based HMD.
Also, a final report detailing the prototype along with instructions for deployment and an instructional walkthrough.

Impact for the Company

Oracle VR were supplied with two proof of concept prototypes comprising High Definition assets (Oculus Rift, Oculus Quest with Link) and Lightweight rendered content (targeted for A standalone Oculus Quest) which can be used with all commercially available Oculus devices (as of June 2020). Similarly, Oracle VR have been provided with sufficient information – from TSSG documentation – to pursue the next stage of Aptitude Test exploration which should expand upon the psychometric framework and the initial business use case.

Testimonial:

"We were very pleased with the prototypes produced by the TSSG team. The high quality of the prototypes will greatly assist us as we interact with potential customers and investors. We are very keen to work with TSSG again in the future."

Niall O'Sullivan, Oracle VR