UAVAIR Accredited Training

About the Project

UAVAIR is an Australian registered training organisation delivering Remote Piloted Aircraft Systems (RPAS) and offering the highest level of qualification available in the commercial sector, backed by Basair Australia. UAVAIR delivers a range of RPAS training courses to High School students, the Australian Defence Force, and the Corporate sector.

The project was to develop learning material from the clients existing face to face material and design eLearning packages suitable for High School students completing vocational education.

The requirements were to identify the relevant information in the learning material (that mapped to the national curriculum) and design bite-size, easily digestible and interactive eLearning.

eLearning was complemented by additional reading (the existing learning material) and was followed by self-marking knowledge checks and compliant assessments.

Details

Type: Self-Paced and Blended Learning

Client: UAVAIR

Tools Used: Articulate Storyline, Articulate Review 360, Freepik (paid version), aXcelerate (SMS and LMS)

Results

UAVAIR was able to package learning plans for their students that were easily digestible and engaging. These short pieces of training were designed to prepare the student to attend a face to face session following a flipped classroom method.

All courses were uploaded to aXcelerate's learning plans with additional reading and short knowledge checks prior to class. The sessions were followed by online assessments that were both self-marking and required trainer observations (completed online).

This project equipped UAVAIR to offer online courses for their students and online alternatives for their trainers to become fully paperless.

Key Challenges

- Identifying the relevant content from the large learner guides provided, ensuring that all element, performance criteria, performance evidence and knowledge evident (from the national curriculum) were included and covered
- Creating bite-size training that balanced just-in-time learning with in-depth knowledge
- Developing engaging content for adolescents between 15 - 18 years old (High School students)
- Ensuring that the course can be accessed online via aXcelerate (and completion status' automatically updated)

The Approach

1. Create an initial prototype with the client to ensure that quality standards are met
2. Build a template using the prototype to be used across all courses, ensuring that branding colours, fonts and design were consistent within project slides and across all projects
3. Build a storyboard ensuring that relevant client content was included and non relevant was excluded
4. Develop the eLearning based on the storyboard
5. Conduct thorough internal QA (at intervals of project milestones and completion)
6. Seek client feedback at completion of the project (the initial prototyping and courses involved higher intervals of feedback)
7. Make amendments and apply client feedback
8. Export Scorm files and upload to aXcelerate
9. Develop online assessments in aXcelerate (both self-marking and online trainer marking)
10. Create aXcelerate Learning Plans that included Scorm Files, Knowledge Checks and Online Assessments
11. Configure the Learning Plans to create a Learning Journey that was clear and easy to follow (ensuring that knowledge checks and assessments were locked until prerequisite eLearning was successfully completed)
12. Run final tests ensuring that students can access the eLearning content and that completion status successfully push to the LMS
13. Conduct real life student testing
14. Make final adjustment based on student scenarios and testing