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| **Learner name:** | Andy Brown |
| **Learner ID:** | 1910332 |
| **Programme start date:** | September 2019 |
| **Project title** | End Point Assessment Quality |
| **Academic Supervisor (if known):** |  |
| **Work-place Supervisor:** | John Pritchard |
| **Work-place Supervisor’s email:** |  |

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| **Project Aims & objective (max 200 words): Provide the overall aim of the project and list specific objectives.**  Statement about the aim  Apprentices for the digital sector are trained by private companies called “Training Providers”. The UK government pays independent assessment organisations to verify that apprentices acquired necessary knowledge, skills, and behaviours at end of their apprenticeship. This process is called an “End Point Assessment”. The assessment can include exams, a professional discussion and synoptic project work. Accelerate People perform “End Point Assessments” design multiple choice exams, synoptic projects, and the structure of the professional discussion.  As a new organisation Accelerate People needs to provide analytics to measure and predict quality. Key areas agreed with the senior management team are  To create tools to measure, display and predict quality   * Designing a system to measure the performance of multiple choice exams, individual questions performance and pass rates. * Multiple choice questions sets are created fr * Design, document and implement a system to measure multiple-choice question quality used for end point assessment. * Design, document and implement an early warning dashboard identifying training provider’s results fall outside the norms. – Dashboard / Tools * Generate sentiment analysis of comments in response to End Point Assessment Survey   Benefit/Drawbacks |
| **Project scope (max 200 words): Provide details of what is within scope and what is not within scope of the project.**  **What’s excluded**   * Multiple choice questions statistics will be assessed using a Moodle test system which is in scope. Implementing this onto the planned production system is outside the scope of this project. * Dashboards will be designed following research into the best business tools selected and evaluated by employee fit, architectural fit for Accelerate People, cost and ease of use, actionable output. |
| **Resources required (hardware, software, data): Provide details of any specialist resources required for the project and indicate if they are available via the employer or a third party**.   1. Access to assessment data and apprentice portfolio's 2. Relevant software to generate Dashboards PowerBI/Tableau 3. Analysis System including Python/Spyder/Anaconda 4. NLP Tools NLTK |
| **Project constraints: Indicate if there are any constraints on the project. For example, any constraints on accessing or sharing data, or requirements for Non-Disclosure Agreement (NDA).**   1. The data includes statistical results for Training Providers and Apprentice Personal Identifiable information therefore this data will not be able to be shared without an NDA |

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| **Signature (Learner\*)** |  |
| **Signature (Academic Supervisor\*)** |  |
| **Signature (Work-place Supervisor\*)** |  |
| \*e-signatures or email confirmations are sufficient | |