

Request for quotes in the development digital learning materials - scenarios and simulations

Introduction

The National Business Initiative (NBI) is a voluntary group of leading national and multi-national companies, working together towards sustainable growth and development in South Africa through partnerships, practical programmes and policy engagement. Since its establishment in 1995, the NBI has been an advocate for the collective role of business in support of a stable democracy, growing economy and healthy natural environment.

Project Background

The NBI, in partnership with government and the private sector, is implementing the Installation, Repair and Maintenance (IRM) Initiative, aimed at expanding opportunities for TVET students to embark on artisanal learning and employment pathways.

The IRM Initiative comprises demand-led skill training and workplace learning, delivered through blended learning approaches, and aligned to entry-level employment opportunities in artisanal businesses.

The project aims to use a blended learning approach, incorporating digital technologies to enhance the learning experience for technical trainees. The intention is to create a more dynamic learning process that delivers theory and information through interactive materials, enabling the learner to focus on application of knowledge in the classroom or workshop.

Scope

The project has developed a range of digital learning materials for the General Repairer programme. This programme is aimed at the development of entry-level Handypersons, to work in commercial and other environments, doing first line repair and maintenance of plumbing, electrical, painting, tiling etc.

As part of the learning process, the NBI wants to create series of experiential learning modules that utilise scenarios and simulations to replicate the working environment and provide the learner with as close to real-life working experience as is possible online.

The approach also seeks to personalise learning as the learner is able to make choices within the context of learning and create an emotional connection with the learning content. The modules should incorporate branched learning, by providing alternative learning pathways, based on decisions made by the learner, with the opportunity to retrace their steps and make different choices, thereby

embedding learning and an understanding of consequence and problem-solving. The simulations should utilise gaming techniques where possible, to make the learning process fun and entertaining.

The project aims to:

- Develop 3 scenarios and simulations linked to the existing General Repairer programme.
- Provide a detailed creative storyboard for each module which describes how learning will take place and what outcomes will be achieved.
- Utilise a range of learning engagement techniques in the manner in which the scenarios and simulations are designed and presented.
- Assess student knowledge retention through a range of interactive activities and games.
- Define how learner progression is taking place through the use of timeous and accurate data analytics.
- Enable the content to display on a range of mobile devices.

Outputs

- Storyboard describing the approach to learning and how it is brought to life in the scenarios and simulations.
- SCORM compliant e-learning files which can be uploaded onto a learner management system or displayed as HTML files., incorporating scenario-based learning and simulations.
- Options for assessment and self-assessment.
- Due consideration should be given to the size of files and related bandwidth requirements

Quotation Requirements

Suppliers are requested to provide an all-inclusive quotation for the following:

- Design and storyboarding of the learning approach.
- Creation of the scenarios and simulations using appropriate software. The costs of utilising the software should be clearly described in your response.
- Assessment tools that clearly measure learning.
- Time for meetings with the client to discuss requirements and design options.
- Inclusion of voice-overs and narration
- Inclusion of original graphic design and animation
- Fully quality assured.

Submission Requirements

Please email your quotation to ShavillaH@nbi.org.za by 16h00 on Monday, 7th September 2020

Enquiries

Please email enquiries to ShavillaH@nbi.org.za