LEARNER PROJECT BRIEF

A Project Approach to Delivery: Design and develop business IT (or computing) solutions

The learner version of the Project Brief is available from http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-it-level-3-certificate-extended-certificate-introductory-diploma-foundation-diploma-diploma-05838-05842-2016-suite/

Going Green – Environmental consultants

Going Green is a company that has been created by two young environmentalists Sam Brown and Yasmin Safri who have recognised a gap in the sustainability market. They believe that companies can learn from each other but are not always willing to share their own experiences directly with potential competitors. So, they propose to collect data on how companies manage their carbon footprint, their methods of energy saving, recycling and waste management and then analyse their findings to enable clients to use this to compare their own progress against other organisations in their group eg SMEs, national, international, not for profit, etc.

The information will be provided to companies via a range of devices, such as mobile phones, tablets as well as traditional PC and desktops.

Sam and Yasmin are not IT specialists and are seeking support from an IT consultancy to design and develop information for a new business which will allow businesses to benchmark themselves against others in the sector in terms of sustainability.

Your tasks are to:

- Create a prototype of the system.
- Refine the product.

In order to do this, you will need to:

- Analyse the system and business requirements.
- Analyse the data requirements.
- Design a possible system solution.
- Design the necessary data.

You should also:

- Investigate legal and statutory constraints on the creating, gathering, storing, manipulating and publishing data.
- Investigate the universally recognised constructs and terminology of programming languages.
- Apply these universal constructs to a software solution for Going Green.
- Investigate and evaluate different modern incremental systems lifecycle methodologies.
- Investigate data analysis tools and techniques.

This project can be undertaken as an individual or by groups. However, it is important that, if group work is used, all learners not only contribute to each area but also provide evidence of their contribution. This is to ensure that all learners have developed the necessary skills and knowledge to be able to successfully complete the Cambridge Technicals Level 3 Diploma in IT, Data Analyst pathway.

This work can be undertaken as an individual or within a team. If working within a team learners are expected to contribute to each of the areas (and be able to evidence this contribution) in order to gain the experience and knowledge required to successfully complete the Cambridge Technicals in IT Level 3 (Application Developer Pathway) units.

© OCR 2017