**NORTH WEST REGIONAL COLLEGE**

**DEPARTMENT OF SCIENCE TECHNOLOGY AND CREATIVE INDUSTRIES**

**WORK BASED LEARNING - WEEKLY REPORT**

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**REPORT NO:** 2 **DATE:** 13/04/2020

Please use the space below to give details of your activities for this report period. Your outline should include - in as much detail as possible, **a breakdown of activity by project**. You should aim to address areas such as perceived organisational benefits, desired outcomes and deliverables.

For each project that you are working on – you should indicate the title, progress, targets met and expected completion date.

**Summary of activities:**

During the second week of placement I began to gain more advanced knowledge of the programming language Lua. Now that I have completed the training for this language, I have been able to start building the foundation of the solution I will build. With this knowledge gained I was then introduced to the overall functionality of Titan, a business intelligence system run off the cloud, from this I learned how relationships between several pieces of data can be viewed and how products would get sold. Straight after this introductory I started to dig further into the Vectron API Script to enhance my knowledge of the various methods used by the Vectron systems.

Now that I have started to develop my solution, I’ve had to gain experience with working the Vectron Commander and a Vectron till System that is simulated on my computer where I can work on the program, tweak specific items and functions to gain a better understanding, with this program I can also test my solution in the next few days during development.

During my second week I have progressed massively and have reached *Stage 4*, which is the ‘***Self-Directed’*** Stage of the ***Self-Directed Learning Model*** that describes ***“Goal-Setting and learning strategies”,*** Reasoning for reaching this stage is the fact that I have gotten a lot more involved in the overall functionality of the business and now given my own version of the software so I can work on it freely.

**Comments on progress:**

I have now finished my learning of the Lua language and have begun to read through the Vectron API and see how it is combined with the Lua language. I now have access to the Vectron Software where I can basically simulate the till system on my computer to view/make changes during my solution.

**Planned tasks:**

* Select various methods from the Vectron API Script to use in my own solution.
* Develop more time into the foundations of my software solution.
* Retrieve more notes on how the Vectron Systems work and how they can function with Timers.