	• Flexible attitude • Ability to perform under pressure • A thorough approach to work • Logical thinking and creative approach to problem solving		

Appendix 2 – Digital & Technology Solutions professional - Synoptic Project Competence Outcomes:

Occupational Specialism	Area of competence	Typical Project	Outcomes
Software Engineer:	Use software development processes, including the knowledge, skills, and professional competences necessary to practice as a software engineer in a business environment	This could be a project to design and develop a significant piece of software or a new software product prototype to achieve defined business objectives, for a defined user group or customer group, using one of the defined languages, within defined business processes, and applying appropriate levels of security. It will include significant project planning including estimations of both time and cost to proposed solutions, include technical and commercial aspects of the proposed solution.	• Clear prioritised specification • Well justified solution design with models • Appropriate test plan • Security appraisal • Solution deliverables • Well documented solution for maintainability
IT Consultant:	Perform technical, organisational, and process improvement tasks in a range of environments to solve business problems	This could be a project to undertake an IT consultancy project to formulate and evaluate technical alternatives to meet businesses requirements. This will likely include issues of integration with existing technology and procedures, maintenance and expansion and the consideration of both proprietary and open source solutions as appropriate. It will include significant project planning including estimations of both time and cost to proposed solutions, include technical and commercial aspects of the proposed solution.	• Clear business requirements • Business process models • Solution proposal and target state models • Integration issues • Make or buy and procurement decisions • Benefits analysis
Business Analyst:	Apply structured processes for identifying, defining and analysing unstructured business problems, their root cause and impact	This could be a Business Analysis study to analyse, and model a problem-specific domain and to develop a solution approach based upon the analysis. It will include significant project planning including estimations of both time and cost to proposed solutions, include technical and commercial aspects of the proposed solution.	• Analysis of current state with models • Problem definition • Requirements engineering • Analysis design models • Future state

Cyber Security Analyst:	Analyse and evaluate security threats and vulnerabilities to planned and installed information systems or services and identify how these can be mitigated against	This could be an analysis of a given domain and evaluation of security threats and vulnerabilities to planned and installed information systems or services with a robust cyber security solution. It will include significant project planning including estimations of both time and cost to proposed solutions, include technical and commercial aspects of the proposed solution.	• Analysis of network domain • Identification of information assets • Threat assessment • Description of assessment methodology • Recommendations
Data Analyst:	Use a range of analytical techniques such as data mining, time series forecasting and modelling techniques to identify and predict trends and patterns in data	This could be a project to analyse, devise and deploy data analytics solutions for a real-world problem domain. In particular, applying data analysis techniques and processes and the tools readily available to perform analytics for data-driven decision making. It will include significant project planning including estimations of both time and cost to proposed solutions, include technical and commercial aspects of the proposed solution.	• Identify data problem • Collect, clean and extract data • Analyse data using a range of standard analytical techniques • Visualise data • Present findings
Network Engineer:	Plan, design, build and test a simple network to a requirement specification that includes hubs, switches, routers and wireless user devices applying appropriate security products and processes	This could be a project to plan and configure a network to meet a defined specification, to satisfy security requirements, using one or more of the defined tools, to meet specified criteria and performance levels. It will include significant project planning including estimations of both time and cost to proposed solutions, include technical and commercial aspects of the proposed solution.	• Plan network infrastructure • Dimension networks for anticipated traffic conditions • Design network solutions • Implement and configure complex switching environments • Configure Firewalls, VPN Concentrators and Security features • Maintain the network environment