

Functional Area: Product & Service Life Cycle (Development)

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| 1. Title | Conduct pilot running / prototyping | |
| 2. Code | ITCSPL405A | |
| 3. Range | This UoC applies to the operations involved in conducting the pilot running of the product / service in concern, which are to be carried out at completion of the design and development planning phase and starting of the design and development execution phase. | |
| 4. Level | 4 | |
| 5. Credit | 3 | |
| 6. Competency | <p>6.1 Possess the knowledge in the subject area</p> <p>6.2 Conduct pilot running / prototyping</p> <p>6.3 Exhibit professionalism</p> | <p><u>Performance Requirement</u></p> <ul style="list-style-type: none"> ● Understand the importance of establishing a product prototype at this stage, which serves as a proof of concept in the previous design phase ● Accurately grasp the two possible types of concept proofing, namely with or without knowledge of customer needs ● Fully aware of the importance of establishing a product prototype for vendor selection and tender awarding in case of product acquisition (instead of own production) ● Understand the significance of a product pilot running as guidelines and references to the subsequent full scale production ● Be aware of the variety of tools and techniques in conducting a pilot running / prototyping <p>Be able to:</p> <ul style="list-style-type: none"> ● Demonstrate the skill set to design a minimal but effective environment for pilot running / prototyping ● Determine the scale of operation for this step taken into consideration the overall deployment scale of the project ● Fully consider and incorporate customers' needs in the process of product pilot running / prototype if available ● Exercise sensitive and reasonable estimation and prediction about the needs of customers in the processing of pilot running / prototyping ● Demonstrate the ability to analyse the results from pilot running and flexibly modify the original design in subsequent steps of full scale production ● In case of product acquisition from third-party vendors, demonstrate the ability to monitor their performance during the prototyping phase ● Fully consider all influencing factors such as market competition, initial customer feedbacks, employee comments, etc while analysing the pilot running ● Effectively communicate with related staff members for follow-up actions at completion of the prototyping <ul style="list-style-type: none"> ● Always ensure correctness and accuracy in the process of pilot running / prototyping ● Work with full capacity and ability to ensure the smooth and efficient completion of the pilot running phase ● Ensure proper balance between the interest of the company and customers at all time |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this UoC are the abilities to:</p> <p>i. complete the product pilot running / prototyping on time with minimal errors and resources wastage</p> <p>ii. establish a reliable references and guidelines for all level of staff members involved in the subsequent full scale production / operation</p> | |
| Remark | | |