Design

CRITERION A

Inquiring and Analyzing

i. Explain and Justify the need for a solution to a problem for a specified client/target audience
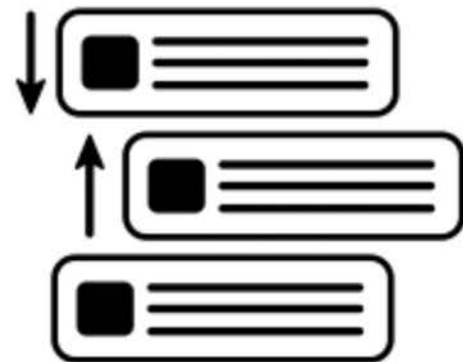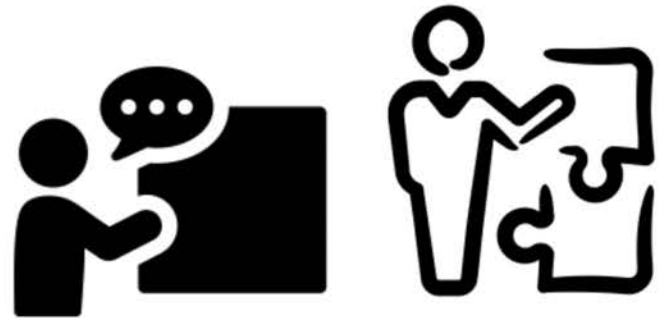
ii. Identify and prioritize the primary & secondary research needed to develop a solution to the problem

iii. Analyse a range of existing products that inspire a solution to the problem

iv. Develop a detailed design brief which summarizes the analysis of relevant research
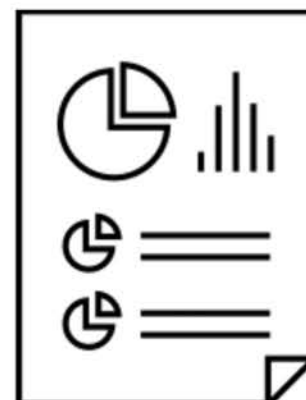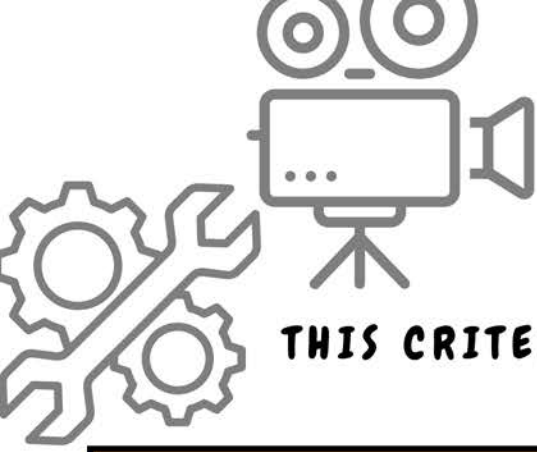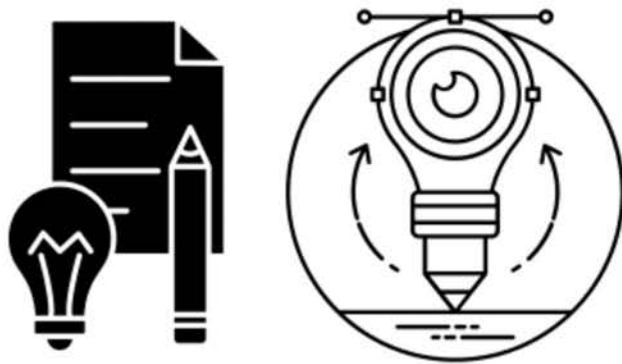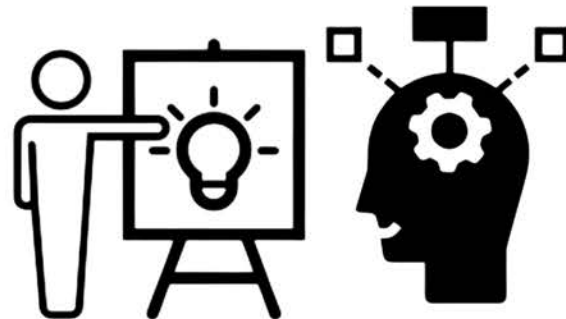
Design

CRITERION B

Developing Ideas

i. Develop a design specification which clearly states the success criteria for the design of a solution

ii. Develop a range of feasible design ideas which can be correctly interpreted by others
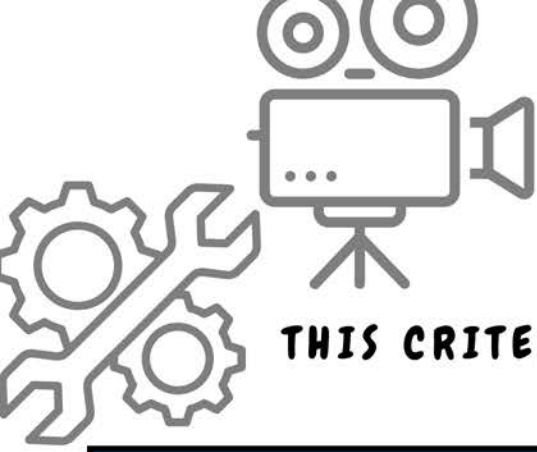
iii. Present the final chose design and justify its selection

iv. Develop accurate and detailed planning drawings/diagrams and outline the requirements for the creation of the chosen solution
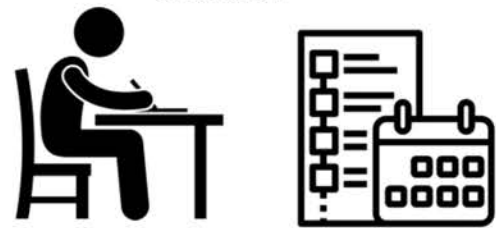
Design

CRITERION C
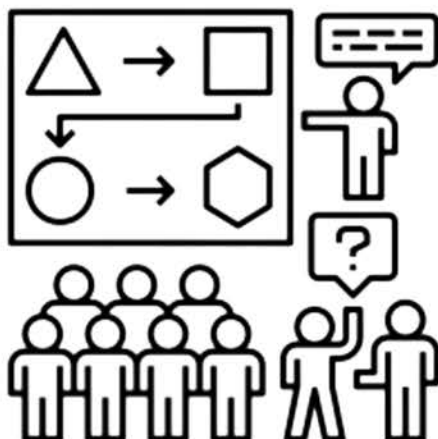
Creating the Solution

i. Construct a logical plan that describes the efficient use of time and resources, sufficient for peers to be able to follow to create the solution
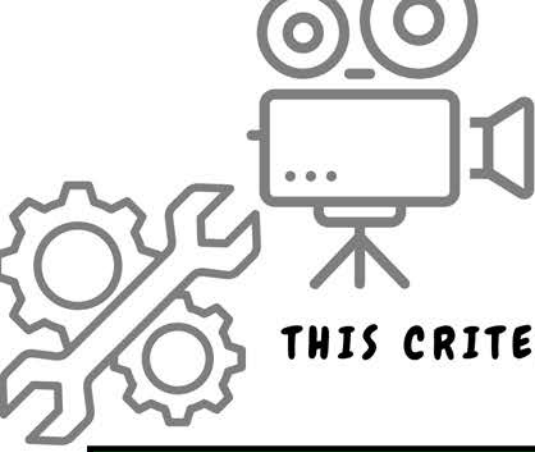
ii. Demonstrate excellent technical skills

iii. Follow the plan to create the solution, which functions as intended

iv. Fully justify changes made to the chose design and plan when making the solution

Design

CRITERION D

Evaluating

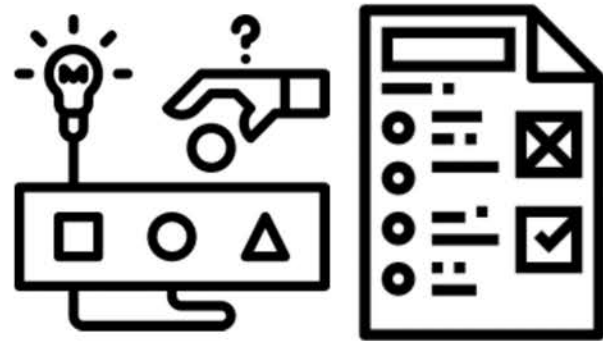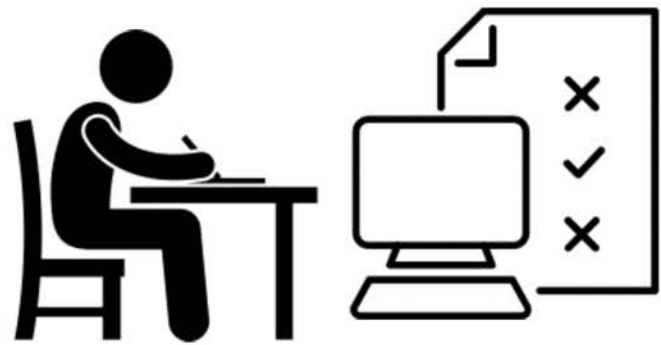i. Design detailed and relevant testing methods, which generate data, to measure the success of the solution

ii. Critically evaluate the success of the solution against the design specifications

iii. Explain how the solution can be improved

iv. Explain the impact of the solution on the client/target audience