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# BET 4222 TECHNOLOGIST IN SOCIETY AND LAW

## Topic: virtual design protocol in refurbishment maintenance

by  
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Technologist in society and law

# PROCESS OF VIRTUAL DESIGN PROTOCOL IN REFURBISHMENT MAINTENANCE



# Tasks Objectives

- To guide maintenance managers to fulfill need of refurbishment conceptualise
- To view of virtual conceptual designs.

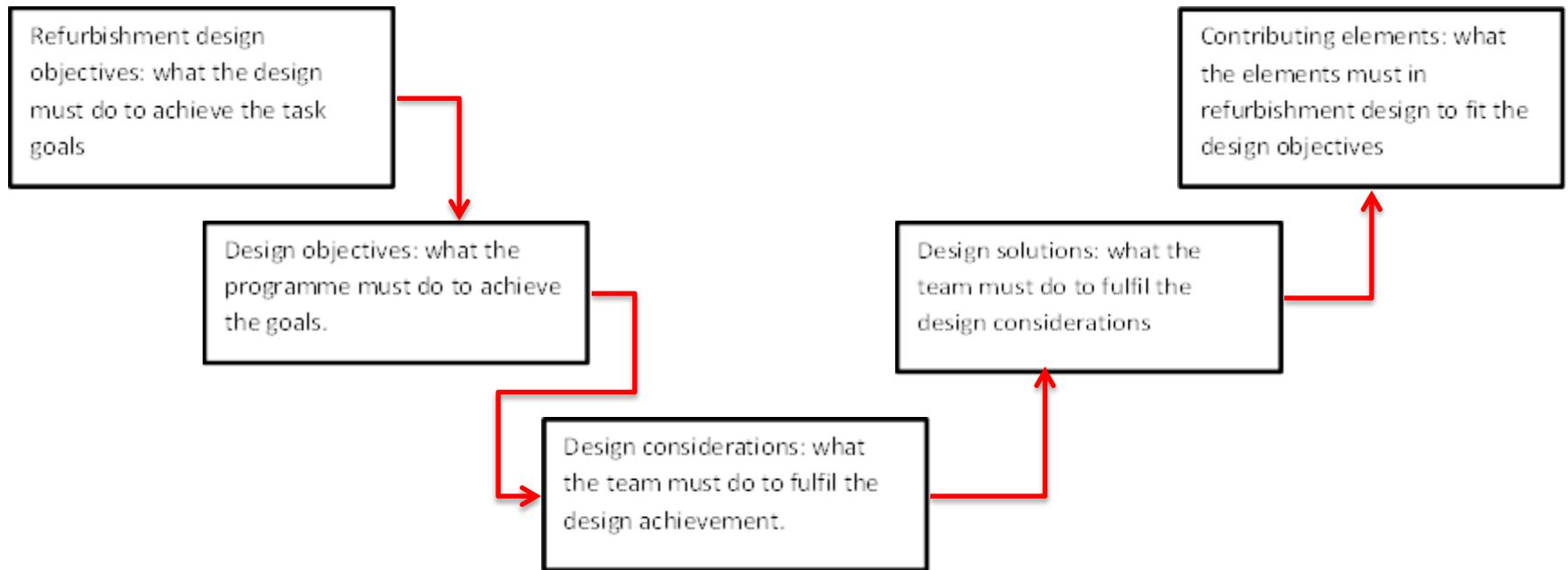


# Refurbishment design concept

- Refurbishment design is about the ideas, shape, and movement. The integration of these three will enhance a new refurbishment concept for a clients needs.



# THE OBJECTIVES AND CONTRIBUTIONS



# Operational definitions

- Virtual – 3dimensional Images Or Isometric Perspectives
- Refurbishment Design – Creative Idea Transfer Into Images For Clear View And Understanding
- Technical Images – Images Creation Produce By Design Software



# The aim of refurbishment design

In maintenance industry, the maintenance operation required to generate a technical creativity by performing a prototype based on the technical design conceptual up to design development.



# REQUIREMENTS FOR IDEA DEVELOPMENT

- Based on client's briefing
- Based of client's requirements
- According to building by law.





# PHASES OF VIRTUAL REFURBISHMENT DESIGN

PHASES 1- BRAINSTORMING

PHASES 2- IDEA DEVELOPMENT

PHASES 3- DESIGN CRITERIA

PHASES 4- VIRTUAL PRESENTATION

PHASES 5- VIRTUAL PORTFOLIO



# PROTOCOLS OF REFURBISHMENT DESIGN

**It consists of 2 PROTOCOLS (PROCESS AND DESIGNATION)**

**PROCESS- 5 sets (brainstorming, idea development , criteria design, virtual presentation , portfolio**

**Each has 2 activities= 10 sets**

**DESIGNATION – 5 sets – (roof, column, doors, piping, drainage)**

**Each has 2 activities = 10 sets**



# LEARNING PROCESS

STN	Virtual design learning	PROCESS PROTOCOL	Active Protocol tasks
A	DESIGN PROTOCOLS	5 SETS -(brainstorming, idea development , criteria design, virtual presentation , portfolio	10 active protocol
B	DESIGNATIONS	5 sets process ( specifications)	10 active protocols



# CONCLUSIONS

- This virtual refurbishment design hopefully could help the maintenance department to enhance alternative design to the sustainable maintenance design.



# END OF LECTURE

- Thanks for your attentions

