

# Project Management

## Project Planning

by

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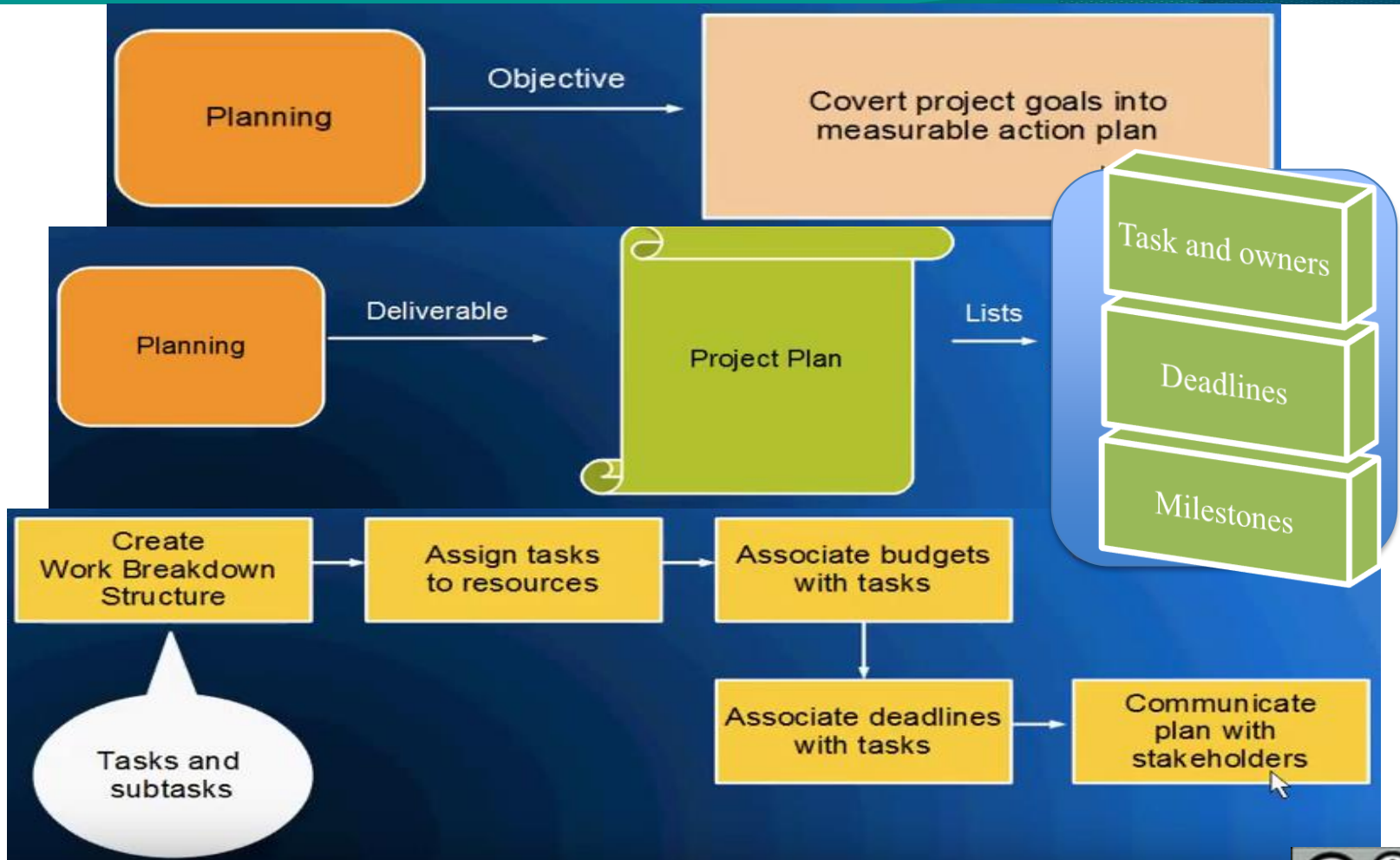
# Project Planning

- **Aims**
  - To understand a planning process of the project.
  - To understand the purpose of work breakdown structure (WBS) and Gantt chart.
- **Expected Outcomes**
  - Students are able to manage the planning process of the project.
  - Students are able to develop the WBS and Gantt chart.
- **References**
  - William, R.T. 2013. Project Management. Random Exports
  - Heagney, J. 2012. Fundamentals of Project Management. American Management Association.
  - Richardson and Gary, L. 2010. Project Management theory and practice. Taylor and Francis.

# Content

- Planning
- Work breakdown structure (WBS) and Gantt chart.

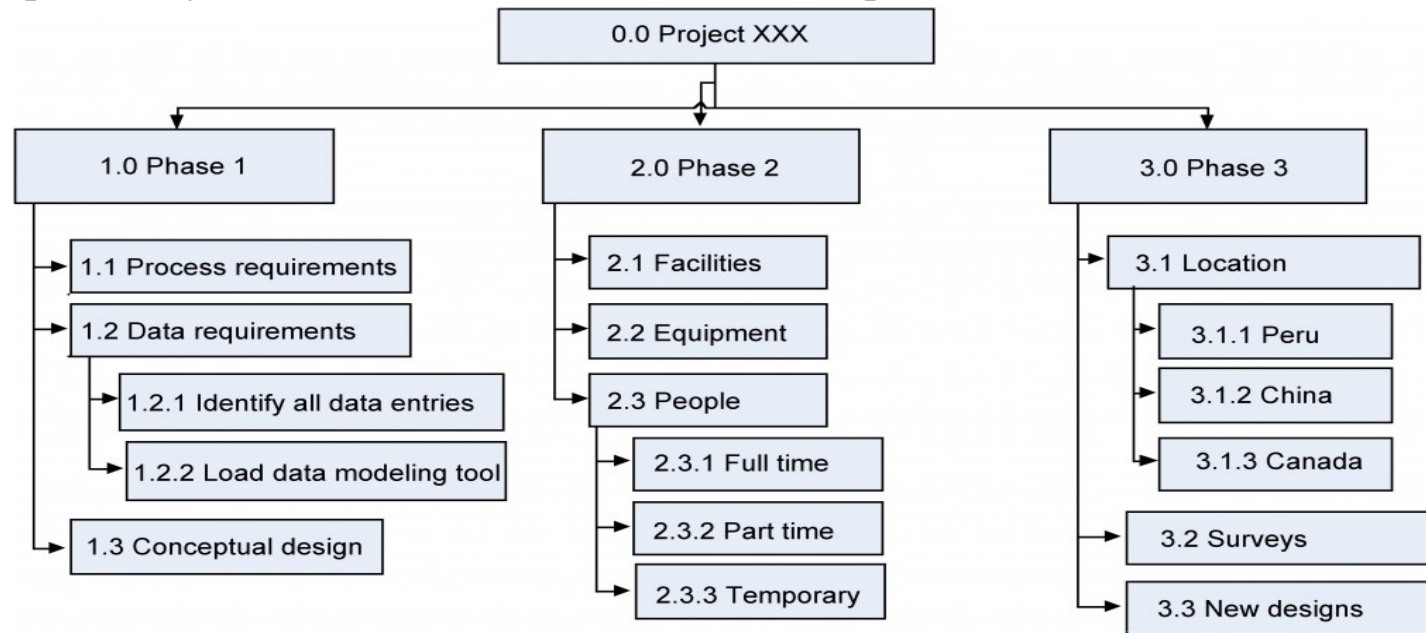
# Planning



# Work Breakdown Structure (WBS)

The WBS provides the projects with the following benefits:

1. Budgets and costs can be systematically developed.
2. Factors of project success such as scope, cost, etc can be monitored and reported.
3. Objective of the project can be linked to the company resources.
4. Scheduling can be accomplished.
5. Responsibility for each team members can be developed.



In order to develop the WBS, there are a few aspects that we should consider:

1. Excellent understanding of the project from the beginning until to the end.
2. A proper documentation which highlighted well-scope.
3. Good requirements documentation with good input from stakeholders.
4. Availability of organizational process assets.

Activity	2017				2018												2019												2020							
	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8
1. Setup strategy to achieve GOT (informal)																																				
2. Endorsement with remanufacturing company	■																																			
3. Discuss the real issue with industrial pratitioner	■																																			
4. Discuss the potential data to be collected at MTI Sdn Bhd	■																																			
5. Identify the issue, objective and novelty		■																																		
6. Prepare literature review		■	■	■	■	■																														
7. Prepare research methodology						■	■	■	■	■																										
8. Submit chapter 1, 2 and 3 to be checked										■																										
9. Prepare an article indexed by scopus										■																										
10. Proposal defend																		■																		
11. Exploring features related to core evaluation											■																									
12. Develop a scale of normal and abnormal data											■	■	■																							
13. Submit chapter 4 to SV to be checked													■																							
14. Prepare an article indexed by scopus													■																							
15. Performing first and second filtration of optimization													■	■	■																					
16. Submit chapter 5 to SV to be checked															■																					
17. Prepare an article indexed by scopus															■																					
18. Identify centres with activities																	■																			
19. Assign resources cost to activity centres																		■																		
20. Assign activity centre cost to activities																			■																	
21. Develop activity cost pool																				■																
22. Submit chapter 6 to SV to be checked																					■															
23. Prepare an article indexed by scopus																						■														
24. Integrating core evaluation and activity cost pool model																							■	■												
25. Test the proposed model with industrial data																								■	■	■										
26. Validate the proposed model with sensitivity analysis																									■	■										

# Conclusion

- **Conclusion #1**
  - Students are able to manage the planning process of the project.
- **Conclusion #2**
  - Students are able to develop the WBS and Gantt chart.



# Project Management

## Lecture 4

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