GEPM-375

Project Planning and Construction Management

What we discussed last class?

- Project Phases
- Project Planning Phase- Importance and definition.
- Project Planning Philosophy

What we are going to discussed today?

- Types of Project Planning

Types of Project Planning







Types Project planning

Strategic planning – High level planning:

- **Long term/overall/grown-up version** of Project planning.
- **Thinking even further ahead** into the future,
- **Scrutinizing** with an even sharper eye, and
- **Accounting** for even **further unforeseen** organizational challenges and opportunities.

Question: Briefly describe the types of project planning.

Operational Planning – Execution level planning

- Project operations plan **prevents** **any unplanned action** that may not succeed in accomplishing **project** goals.

- Operations plan includes a **predetermined and documented** **course of action on the project**, which allows to review the **project** goals and determine the effectiveness of the **plan**.

Strategic planners

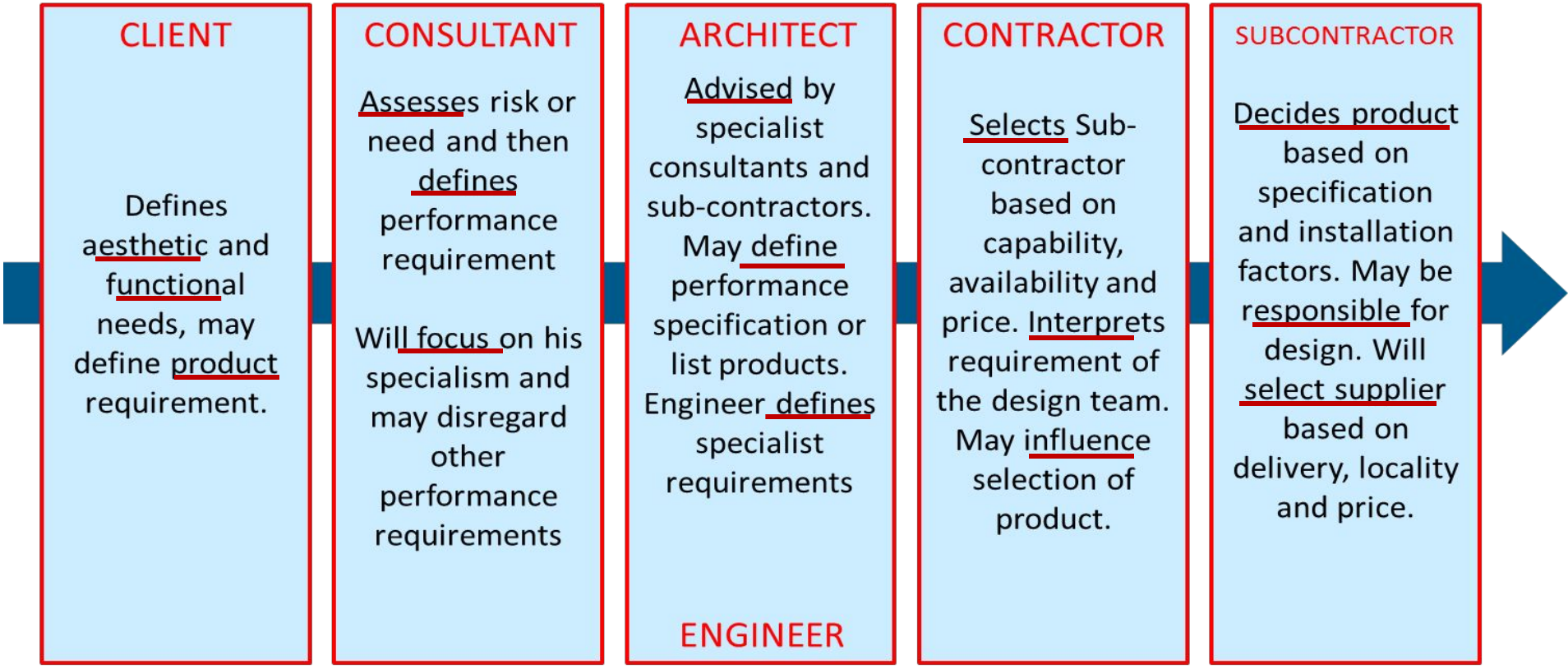
- Involves **high level persons** to select project objectives.
- They are **owner's corporate planners**.

Strategic Planners decide on the followings:

- **What project** to be built?
- What will be the **completion date** which has to meet the project goals/objectives.
- Set strategic **guidelines**.
- **Select Project Construction Team** which formulates the **project execution plan (PEP)**, within the guidelines set in strategic and operations plan.

Question: What do you understand the strategic project planning? What are points to be decided upon by the strategic planners?

Project Construction Team



Project execution plan (PEP) is the **governing document** that establishes the **means** to **execute, monitor, and control** projects.

Operational Planning

Operational Planning: Prepared by the **Project Construction Team**.

They get the **answers of certain questions** during the preparation of operational plan:

- Will operation plan **meet the strategic planning's target date?**
- Are **sufficient construction resources and services available** within the company to achieve the project objective?
- What will be **impact on the new project** on the existing work load.
- Where **we will get the resources** to handle any overload.
- What **company's policies may prevent the plan** from meeting the target date.
- Are any **long delivery of equipment or materials involved**.

Question: Define operations planning of a project. What are points to be considered during the preparation of operations plan of a project?

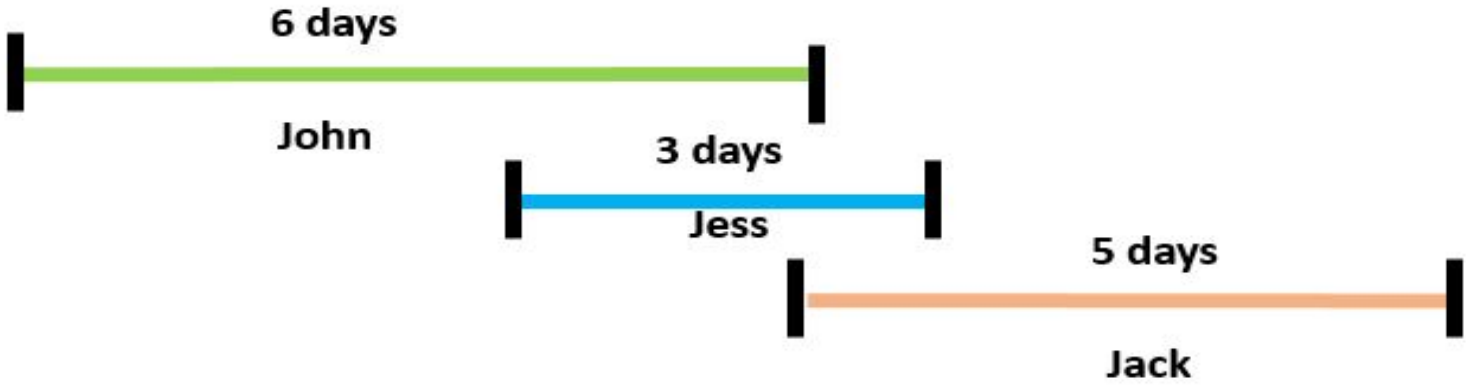
- Are the **project's concept and design firmly established, and ready to start the constructions.**

- Will it be more economical to use **a fast track** scheduling approach?

Fast Track Scheduling

- **Fast-tracking** is a **technique where activities** that would have been performed **sequentially** using the original schedule are **performed in parallel.**

- **Fast tracking** a **project** means the **activities are worked on simultaneously** instead of waiting for each piece to be completed separately.



Operations Planning -Summary

Points to be considered during preparation of operations plan of project:

- Meet the strategic planning‘s target **date.**
- **Availability** of sufficient construction **resources and services** within the company.
- **Impact** on the new project on the existing work load.
- **Additional resources** to handle any overload.
- **Limitations of company’s policies** which may prevent the plan from meeting the target date.
- **Involvement of long delivery** of equipment or materials.
- **Firm establishment of project’s concept and design** to start the constructions.
- A **fast track scheduling** approach for economic reasons.

Evaluation Project Operations Plan

- To be **reviewed, and evaluation** shall be done **as work progresses.**
- Minor **variations** are common, but major variations shall be considered with extreme cautions.

Question: Why evaluation of project operation plan is needed?

What we discussed last class?

- Types of project planning
- Strategic planning
- Operation planning

Thank you