



University OF Hilla
Engineering Faculty
Medical Device Technology Engineering



PROJECT MANAGEMENT

Lecture 2

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Overview

- What is project?
- Any series of activities and tasks that:
 - Have specific objective to be completed within certain specifications
 - Have definite start and end dates
 - Have funding limit
 - Consume resources(i.e. , money people, equipment)

Project Management Definition

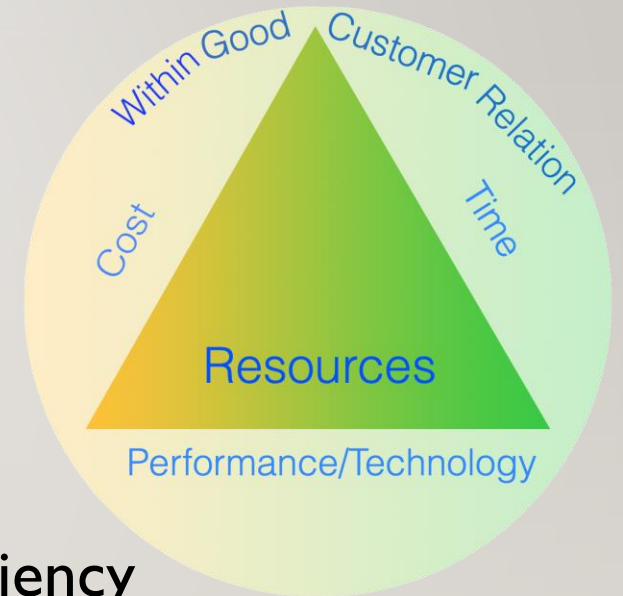
- Is the planning, organizing, directing, and controlling of company resources for a relatively short term objective that has been established to complete specific goals and objectives.
- Is the art of creating the illusion that any outcome is the result of a series of predetermined, deliberate acts when, in fact, it was dumb luck

Project management involve

- Project planning
 - Definition of work required
 - Definition of quantity of work
 - Definition of resource needed
- Project monitoring
 - Tracking progress
 - Comparing actual to predict
 - Analyzing impact
 - Making adjustment

Successful project management

- Having achieved the project objectives
 - Within time
 - Within cost
 - At the desired performance /technology level
 - Utilizing the assigned resources effectively and efficiency



Resources

- Money
- Manpower
- Equipment
- Facilities
- Materials
- Information / Technology



Line Manager
Function Manager
Resource Manger



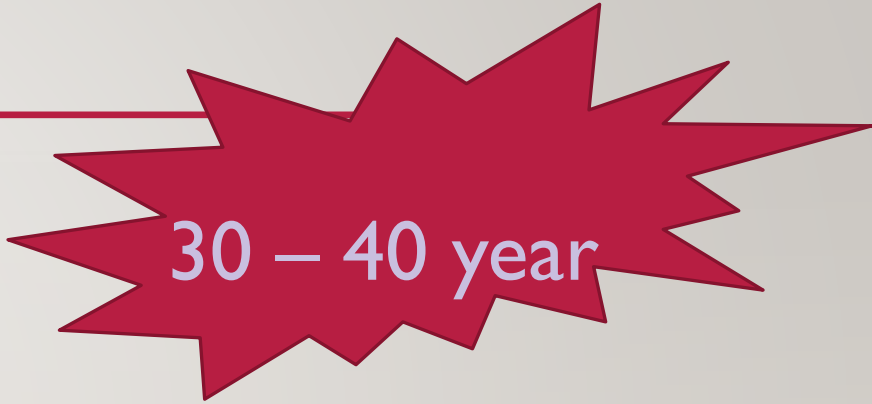
Project Manager

The Role of Project Manger

- Responsible for coordinate and integrate activates across multiple function line which required the following abilities

- ✓ Strong communicative and interpersonal skills
- ✓ Familiar with operations of each of line organization
- ✓ Have general Knowledge of the technology

The Average Age Of Project Manager



30 – 40 year

- 20- 30 Less experience, any money locks good
- 30 -40 most profitable contribution to society, working for long time ,
looking for financial security
- 40 -50 Set in their ways and lining style
- The average age of **Data Processing** PM are usually younger than the manufacturing and construction PM because current Knowledge of Computer Technology On the other hand experience is important

The Role of Functional (line) Manager

- Responsible to define how and where the task will be done
- Responsible to provide sufficient resources to accomplish the objective with the project constraints (who will get the job done)

Line manager under tremendous pressure to live up with to their commitments

- Unlimited work requests
 - Predetermined deadlines
 - All requests having a high priority
 - Limit number of resource
- ## Line Manager challenges
- Unscheduled changes in project plan
 - Unplanned absence of resources
 - Unpredicted lack of progress
 - Unplanned turnover of personnel

The Project Manager as Planning Agent

- The major responsibility of project manager is planning



- Complete task definition
- Resource requirement definition
- Major time table millstone
- Definition of end-item quality and reliability requirements
- The basis for performance measurement

Bad Project Planning

Lead to



- A continuous revision and or establishment of company and or project policies, procedures, and directives
- A continuous shifting in organization responsibility and possible unnecessary restructuring
- A need for staff to acquire new knowledge and skills

Project Managers are responsible for project administration and have the right to establish their on

- Policies
- Rules
- Guidelines
- Directives
- Conform to overall company policies

The project manager cannot make any promises to a functional employee concerning

- Promotion
- Grade
- Salary
- Bonus
- Overtime
- Responsibility
- Future work assignment

THE DOWN SIDE OF PROJECT MANGER

- Need to stay extensive time away from home
- Lack of friends
- Poor home life and possibly divorce
- There is no time to rest and relax
- Always takes home work from the office.
- Takes work with him to vacation

Those executives who chose to accept project management soon found the advantage of the new technique

- Easy adaptation to an ever changing environment
- Ability to handle multidisciplinary activities within a specific period of time
- Horizontal as well as vertical work flow
- Better orientation toward customer problems
- Easier identification of activates responsibility
- A multidisciplinary decision-making process
- Innovation in organization design

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THANK YOU