Development, Assignment and Control of Technical Work

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Abstract

The Development, Assignment and Control of Technical Work is a management system used in any organization as a standard operating procedure. The system has three phases: the developmental, assignment and control phase each phase provide skills, key management knowledge and software to the project or engineer manager.

Problem

With the heavy work schedule of an Engineer Manager, task delegation and overseeing personnel is very important to assure completion of technical work, but without having a proper way to assign it, develop it and control the necessary outcomes of the technical work, the Engineer Manager will encounter upsetting results. In addition some organization will promote the engineer manager with technical knowledge but without management knowledge.

Project Overview

Development, Assignment and Control of Technical Work system is a basic guideline of skills and knowledge a manager need to have in order to develop, monitor and complete technical work without or with minimal deficiencies. The system is broken down in 3 phases.

Procedure – 3 Phases

Development

• This phase will choose the appropriate personnel, assign the proper tasks and develop a schedule to achieve task completion.

Assignment

• This phase will provide the team or staff assigned to the task an overview of what the task is composed of, timelines and any other particularity within the task
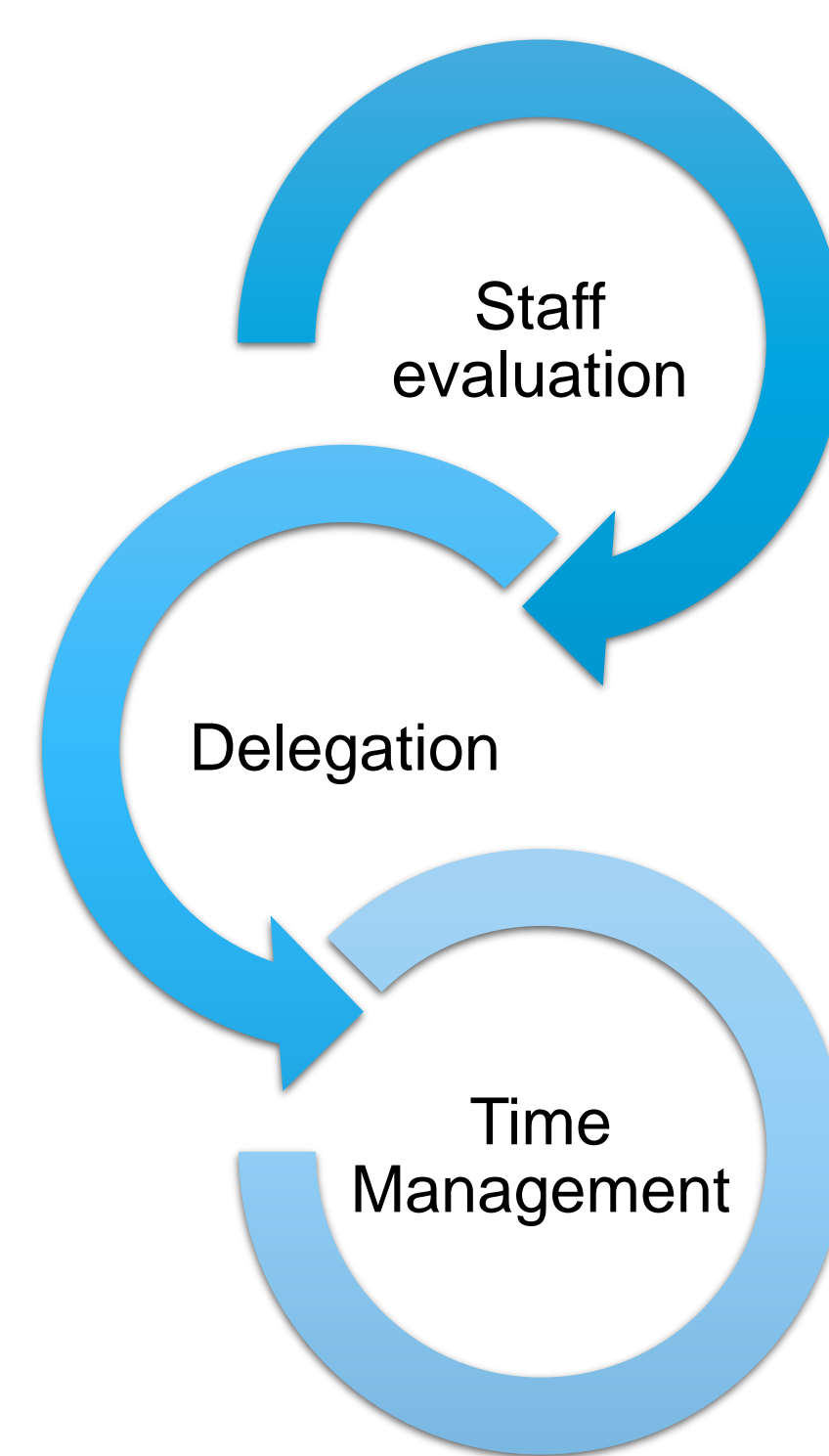
Control

• This phase is compose of a quality assurance and control technique and software to monitor any updates, milestones, delays and unforeseen circumstances that may arise in the technical work

Methodology - Development

Planning — Management Development — Communication — Organization

• Management development – Proposes tools and training to build management within the organizations SOP and technical work development
• Organization – Manager starts developing an strategy to accomplish technical work
• Communication – Management will provide purpose, motivation and direction to achieve intended goals
• Planning – Management develops a priority list of technical work to be achieve by precedence

Methodology - Assignment

Staff evaluation — Delegation — Time Management

• Staff Evaluation – Assessment of personnel responsible for the technical work
• Delegation – Once the assessment is done and the management assign the proper personnel to each technical task
• Time Management – The Manager create a scope of work task list, with a time line check list to obtain updates, milestones and the conclusion of technical work

Methodology - Control

Establishing QA/QC parameters

• Designate sample size, evaluation criteria and acceptance
• Analyze possible deficiencies
• Develop a correction and control system
• Implement Software to monitor, evaluate and keep accountability of the technical work

Results

By creating a system that provides the Management an strategic approach to develop, assign and control technical work, the project will obtain:

• Management skills that are key to lead a project staff
• Trained and knowledgeable Managers
• Goal oriented technical staff
• An organizational SOP that will be used as a guideline to develop managers
• Management and technical staff resiliency from set backs
• Achievement of goals, timelines and deadlines, while meeting standards and specifications.
• Quality work assurance and control

Conclusion

Developmental, Assignment and Control of technical work is a structured system, which is supported by management research. The wide range of skills applied within the system provides common managerial knowledge to new management personnel. The system will ensure the quality of work, but also it will provide the engineer manager the necessary resiliency to comeback from project setbacks and accomplishing technical work with precision. Indicate and explain whether or not the data supports your hypothesis

Application of an structured process is believed to be of great value to achieve excellence in Project Management with successful outcomes.

Bibliography

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