



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

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Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 2021-05-20 في تمام الساعة 9 مساءً.
- الإجابة متاحة باللغة الإنجليزية أو اللغة العربية مع مراعاة أن تكون المصطلحات العلمية باللغة الانجليزية.
- يتم تسليم المشروع في صيغة ملف . pdf مع الالتزام نموذج الجامعة ولن تقبل أي مستندات أخرى.
- يجب مراعاة أقسام البحث الرئيسية (مقدمة Introduction، دراسات علمية سابقة Literature Review، طريقة البحث Methodology، النتائج والمناقشة Results and Discussion ، وأخيراً المراجع References . وان كان هناك ملحقات Appendices يتم إضافتها)
- يجب الالتزام بـ Theme موحد كما يلي:
- حجم الخط 12.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر 1.5 line spacing
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: Eng. Amaal Aburumman

Introduction:

Powerful task control (PM) of the development and production of public initiatives is important so that it will gain true time, price and fine overall performance. The information gap is that hitherto; it isn't known which PM strategies need to be adopted in growing public hospitals to ensure that they obtain task goals. The purpose of this studies is to file your role in administering a assignment; to perceive powerful PM techniques for developing and building construct a further scientific constructing to ensure that suitable challenge effects are finished. The precise targets are to: (i) discover PM related elements that make contributions to the best outcomes inside the development and creation of public medical institution projects; (ii) look into the important thing elements that result in the bad performance of public health facility tasks;(iii) recommend a suitable PM framework for handling the improvement and production of public clinic tasks; and to divide tasks and resources amongst the venture team. The research scope is restrained to public health center tasks in Riyadh. From my position as a leader and director of the project to construct an additional medical building at King Khaled Hospital in Riyadh, I build my following task; The most important points have to be observed before and during the implement for the projects are;

Project Predesign Planning

Project predesign planning (predesign) is the discovery type of planning that occurs prior to actual design drawings and construction, but usually after some funding is obtained. It involves planning for a *specific project*: outlining project objectives and challenges as well as conducting studies to determine space requirements, opportunities and limitations of the site, and expected cost versus the budget. Project predesign planning overlaps with design and may be referred to as programming. Note that terminology and definitions vary: Some view programming as a separate and distinctive function and predesign as more conceptual planning of a building and less defined, should be an interactive and iterative process with workshops, meetings, research, and “homework” periods for all participants.

Step 1: Analyzing Project Needs

Analyzing undertaking desires is a logical first step inside the planning segment. facts approximately desires drives decisions for the duration of the making plans section and allows estimate the capital necessities of the venture. One manner to get this statistics is to carry out a needs evaluation. a radical wishes analysis have to involve a detailed assessment of every department or service, coupled with projections for the future country of the provider for volumes, applicable services, area requirements, and so on. for instance, as a part of a needs evaluation for a maternity unit, an organization must observe populace projections of girls ages 15 to forty four, along with ancient and projected fertility prices with the aid of geographic place. in addition, in assessing the needs of a surgical provider, an organization have to observe the impact of payer-driven adjustments, which includes from inpatient to outpatient provision of services, and estimate what the population-based surgical rate will be in the future for cases such as heart or orthopedic approaches.

Needs Analysis Topics

As a part of a desires evaluation, an business enterprise collects information from both the strategic plan or an impartial marketplace examine aimed at offering an in depth analysis of the project scope and course. This form of research can assist the corporation obtain facts on a variety of topics, which includes the subsequent:

- carrier location demographics and projections
- Payer blend of ingredients
- distinctiveness carrier line know-how
- community perceptions of the facility and any of its capability initiatives
- appropriate area of a new facility or centers
- potential misplaced revenue because of a task or relocation of a facility
- Presence and effect of competition

Step 2: Assembling the Project Team

A important step inside the making plans segment is choosing the undertaking team—the organization of individuals who impact and are involved within the planning, design, and construction levels of the challenge. every challenge crew consists of distinct agencies: representatives of the employer and the experts, or mission companions, who paintings at the venture. To achieve a success planning section, corporations should be aware of the desires, dreams, and perspectives of both groups. The experts and undertaking companions are selected at distinctive instances primarily based at the contracting desire and bidding system.

Executive Project Team

With large initiatives, there is often a hierarchy of organizational involvement in groups. The management group with the authority for final decision making is generally called the government challenge team. Following are the ones persons in an business enterprise who can be protected in this crew:

- representative of the government administration, consisting of the CEO
- Physicians and different practitioners • Nursing leaders, along with director of nursing
- contamination prevention and manage specialist • facilities making plans and/or engineering director • representative(s) of the consumer companies.
- Consultant of the installed making plans or constructing committee(s)
- statistics era supervisor • consultant from the finance department • protection officer (the person that manages environmental risks)

User Group Teams

as the venture actions through the design improvement stages, it's miles vital to contain more than one inner stakeholders. this is often carried out thru user organization teams (people representing individuals who might be the usage of parts of the constructing). these stakeholders must see no longer most effective their personal space but also its interdependence on different spaces and techniques in the course of the ability. The

subsequent are areas of the organization that should have person organization teams worried within the making plans, both interdepartmental and interdepartmental:

- Facilities management • Pharmacy • Laboratory • Radiology • surgery
- Clinical engineering • remedy regions such as the emergency branch, renal dialysis, and outpatient care areas
- specialized scientific areas, such as oncology, magnetic resonance imaging (MRI), and computed tomography (CT)
- assist services group of workers, which include meals provider, housework, and materials control
- representative(s) of the board of administrators (those can be part of the executive assignment group) • Emergency management businesses

The following external groups could be considered for advisory members on appropriate user group teams:

- preceding sufferers (particularly from targeted specialties) and traffic to the campus.
- Representatives from community groups, including senior care groups, kid and family offerings.
- Companies in key areas, inclusive of facts technology, imaging, and surgical specialties.
- Donors
- Representatives from neighborhood regulatory or governmental corporations.

Literature Review

The Project Leader

Empowering a leader at the government venture team is crucial to make sure that the planning section actions forward on time and on finances. The mission leader has to be installed as the primary touch at the group and the conduit for selections and exchange of facts. This person needs to consequently be an excellent supervisor of humans, schedules, changes, surprises, and troubles. To recognize when and a way to result in timely decisions, this person need to have a knowledge of the group's leaders and their pursuits or worries, in addition to the ones of the mission group individuals. A mission

leader needs to also have the respect of management and the board, and the authority and duty to make the making plans segment work.

As the project leader, this person develops the organizational structure for the project, which includes subgroups such as other project teams, including user groups.

The Team Leader

The success of task groups depends upon the capability of the mission manager or the group chief in effectively managing and influencing a various mix of people. because of the multidisciplinary, numerous and interdependent nature of undertaking groups, venture managers should examine team-constructing competencies in an effort to combine the efforts of all venture participants. They need to create an surroundings where all group contributors are individually and professionally happy, are concerned, and have mutual consider. They should be capable of create a clear, compelling vision closer to which the task team works collectively with solidarity of reason. mission managers need to construct commitment to the imaginative and prescient of the mission by motivating, speaking effectively, and encouraging genuine participation in selection-making.

The running dating amongst contributors of the challenge team can have an effect on no longer best their productivity, but also group overall performance in relation to other stakeholders.

The project is a temporary work challenge designed to supply a completely unique product, service, or end result. Initiatives generally tend to have time limits, a finances, and require assets. due to time, cost and exceptional constraints, it's miles tough to deliver a challenge efficaciously without right control. The task management frame of knowledge (PMBOK) presents for 10 knowledge areas in handling tasks: scope, time, price, first-rate, procurement, human useful resource, communications, hazard, stakeholder, and integration. on this studies, the 10 knowledge regions defined by the PMBOK guide were followed to construct the PM framework. The assessment of beyond performance have to now not be based totally on information submitted by the contractors only but that obtained from public recordings and archived data. Effective communication management involves predetermined communication manners, having appropriate

management structure that ensures a simple and smooth flow of information within the project team.

Methodology:

The project crew contributors of this hospital extension had been invited to participate on this look at and that they agreed. Records were accumulated through in-intensity interviews and archival records. a hard and fast of interview questions changed into designed primarily based on findings from the literature evaluate of the 10 PM understanding areas protected in the PMBOK manual. It became dispatched to the contributors prior to the interview to allow them to prepare for it. This turned into to beautify the effectiveness and performance of the interviews. The interview manual consisted of two essential parts: preferred statistics about the interviewee and PM practices followed in the assignment. The interviews had been not restricted to the set of questions. Interviewees have been also encouraged to percentage their opinions on the control of public projects in the creation industry.

Results and Discussion:

Using the case take a look at approach, the improvement and production of extra scientific health facility tasks had been investigated in element. Interviews had been performed with the venture members concerned in every venture, including the venture managers and architects. Pass comparisons were made between the two case studies.

A PM framework for coping with public healthcare initiatives in Singapore has been evolved. Its miles recommended that public customers familiarize themselves with the PM practices in the framework with a purpose to encourage the whole crew to adopt the framework.

There are a few PM practices immediately related to public customers, together with scope control and human resource management. In scope control. This can minimize modifications in the course of the development procedure and avoid delays and going over budget. In human aid management, the customers have to set clean roles and responsibilities for mission crew individuals to keep away from disputes at the work scope of different participants, with the intention to in turn keep away from miscommunication.

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