

ASSIGNMENT-01

QUESTION 1

Find someone who works as a project manager or someone who works on projects, such as a worker in the school's IT department or the president of a social club. Prepare several interview questions to learn more about projects and project management, and then ask them your questions in person, through e-mail, or over the phone. Write a minimum two-page summary of your findings. Guidelines for your interview and sample questions are available below.

ANSWER

The main purpose of these interviews is to gain more insight into what project managers really do, what challenges they face, what lessons they've learned, what concepts/tools you're learning about that they really use, and what suggestions they have for you and other students as future team members and project managers. People often like to tell stories or relate particular situations they were in to get their points across. To this end, here are a few sample questions.

- How did you get into project management?
- If you had to rate the job of project manager on a scale of 1-10, with 10 being the highest, how would you rate it?
- Briefly explain the reason for your rating. What do you enjoy most and what do you like least about being a project manager?
- Did you have any training or special talents or experiences that qualified you to be a project manager? Are you certified or have you thought about becoming certified as a PMP?
- What do you feel is the most important thing you do as a project manager? On what task do you spend the most time each day?
- What are some of the positive and negative risks you've encountered on projects? Please describe any notable successes and failures and what you've learned from them.
- What are some of the tools, software or otherwise, that you use, and what is your opinion of those tools?
- What are some steps a project manager can take to improve the effectiveness and efficiency of a team? How does a new project manager gain the respect and loyalty of team members? Can you share any examples of situations you faced related to this topic?
- What suggestions do you have for working with sponsors and senior managers? Can you share any examples of situations you faced related to this topic?
- Do you have any suggestions for future project managers, such as any specific preparations they should make, skills they should learn, etc?

QUESTION-2

Search the Internet for the terms project management, project management careers, project portfolio management and IT project management. Find at least three web sites that provide interesting information on one of the topics. Write a short note summarizing key information about these three websites.

PROJECT MANAGEMENT**WEBSITE-1**

https://www.tutorialspoint.com/pmp-exams/project_management_fundamentals.htm

Project Management is the application of knowledge, skills, tools and techniques to project activities to meet project requirements. Project management is accomplished through the use of the processes such as:

- Initiating
- Planning
- Executing
- Monitor and Controlling
- Closing

Project managers or the organization can divide projects into above phases to provide better management control with appropriate links to the ongoing operations of the performing organization. Collectively, these phases are known as the project life cycle.

- Scope
- Schedule
- Quality
- Resources
- Customer Satisfaction
- Risk

These all are so intertwined that a change in one will most often cause a change in at least one of the others

WEBSITE-2

https://en.wikipedia.org/wiki/Project_management

Project management is the practice of initiating, planning, executing, controlling, and closing the work of a team to achieve specific goals and meet specific success criteria at the specified time. The primary challenge of project management is to achieve all of the project goals within the given constraints. This information is usually described in project documentation, created at the beginning of the development process. The primary constraints are scope, time, quality and budget.

APPROACHES

A 2017 study suggested that the success of any project depends on how well four key aspects are aligned with the contextual dynamics affecting the project, these are referred to as the four P's

- **Plan:** The planning and forecasting activities.
- **Process:** The overall approach to all activities and project governance.
- **People:** Including dynamics of how they collaborate and communicate.
- **Power:** Lines of authority, decision-makers, organograms, policies for implementation and the like.

CHARACTERISTICS OF PROJECT

There are five important characteristics of a project

- It should always have a specific start and end dates.
- They are performed and completed by a group of people.
- The output is delivery on unique product or service.
- They are temporary in nature.
- It is progressively elaborated. Example: Designing a new car, writing a book.

WEBSITE-3

<https://www.pmi.org/about/learn-about-pmi/what-is-project-management>

PROJECT

A project is temporary in that it has a defined beginning and end in time, and therefore defined scope and resources. A project is unique in that it is not a routine operation, but a specific set of operations designed to accomplish a singular goal. So a project team often includes people who don't usually work together sometimes from different organizations and across multiple geographies.

PROJECT MANAGEMENT

Project management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project management knowledge draws on ten areas

1. Integration
2. Scope
3. Time
4. Cost
5. Quality
6. Procurement
7. Human resources
8. Communications
9. Risk management
10. Stakeholder management

QUESTION-3

Find an example of a real project with a real project manager. Feel free to use projects on media (such as the Olympics, television shows or movies) or a project from your work, if applicable. Write a paper describing the project in term of its scope, time and cost goals, also describe other impacts on a project, such as quality, resources and risks. Discuss what went right and wrong on the project and the role of the project manager and sponsor. Also describe whether the project was a success, and why. Include at least one reference and cite it on the last page.

PROJECT SCOPE

The main scope of this project is to help the people who are paralyzed. The mobile phones in the project will be used for given voice commands so that the paralyzed person can get the desired object. The result of this project will be demonstrated by picking the object up in front of audience.

PROJECT FEATURES

- Raspberry Pie Camera will detect the object present on the table
- IoT Kit and Google Assistant is use to give voice input
- Python is being used for Artificial Intelligence
- MATLAB is being used for Image processing

PROJECT TIME

The expected time for the completion of this project is six months.

PROJECT COST

As this is the hardware based project so the project cost is more than 20,000.

ISSUES

The challenges that can be occur in our project is installation of system libraries, raspberry pie camera, defected structure of robotic arm, performing algorithms, merging and combining all the algorithms to work together, communication between the hardware, recognizing the correct object.

ROLE OF PROJECT MANAGER

The role of Project Manager is to supervise all the tasks of group member. Project manager has the overall responsibility for the successful initiation, planning, design, execution, monitoring, control and closure of the project.

ROLE OF PRJOECT SPONSOR

The project sponsor is an individual (often a manager or executive) with overall accountability for the project. Project sponsor acts as the link between the project, the business community, and strategic level decision-making groups. Project Sponsor also supports the project financially. As our project is related to medical field, so our sponsor can be from Hospitals, medical institutes or NGOs.