Class Questions

1. **What is the difference or is there any difference between cost and effort?**

We demonstrate a (log)-linear relation between cost on the one hand, and size, duration and number of defects on the other. This justifies conducting linear regression for cost.

1. **What are the tools available for Software Project Scheduling?**

[**https://www.teamwork.com/blog/project-scheduling-tools/**](https://www.teamwork.com/blog/project-scheduling-tools/)

1. **What is Optimization?**

Optimization problem: Maximizing or minimizing some function relative to some set, often representing a range of choices available in a certain situation. The function allows comparison of the different choices for determining which might be “best.”

1. **What is WBS (Work-Breakdown Structure)?**

Work Breakdown Structure (WBS) subdivides project work and deliverables into small components and this way, it makes the project more manageable. Create WBS process is the 4th process of the Scope Management knowledge area

1. **What are COTS (Commercial of the Shelf Software)?**

A COTS (commercial off-the-shelf) product is one that is used "as-is." COTS products are designed to be easily installed and to interoperate with existing system components.

1. **Why we use SQL rather than MS Access?**

Usability: Access is an excellent application for creating modest databases or for users who may not be familiar with technical language. SQL databases are much more technical but have far more capacity

1. **Difference between ERP and SAP?**

ERP are software solutions that helps organizations to manage their business processes. SAP is multinational company that sells ERP software solutions to business, **ERP** is a web-based application. **SAP** is developer that provides variety of options depending upon requirements.

1. **Two case studies on SAP failure and SAP Success**

**SAP failure**

* 1. **Leaseplan**: A monolith unfit for the emerging digital world.
  2. **MillerCoors**: Fighting in public, then making nice.
  3. **Revlon**: Screwing up badly enough to enrage investors.

**SAP Success**

* 1. **3M Company.**
  2. **7-Eleven name.**
  3. **Accenture** is a global management consulting, technology services, and outsourcing company.

1. **What is monday.com?**
2. **Explore the tool of project managements which are free?**
3. **What does UI UX do?**
4. **There is a project 1 million dollar over a span of 3 month. The developer rate 16.8 $/hr. The amount which we spends in development is half million.**
5. How many developer can work on this project over a span of 3 month?
6. The development rate of a developer in Pakistan is 200 rupees/hr. How many developer can accrue in Pakistan with in the given budget?
7. How many developer can work on this project over a span of 3 month?

1 hr. = $ 16.8

1 day = $ 134.4

1 week (5 days) = $ 672

1 month (22 days) = $ 2956.8

3 month (66 days) = $ 8,870.4

**We can hire 56 developer in a half million a single developer get** 8,870.4

1. **Pakistani 200 Rs/hr**

1 hr. = $ 1.17

1 day = $ 9.36

1 week (5 days) = $ 46.8

1 month (22 days) = $ 205.92

3 month (66 days) = $ 617.76

**We can hire 808 developer in a half million a single developer get** 8,870.4

1. **CFO order to hired only 45 developer. How much saving does the company earn from this cutting in both American and Pakistan developer?** 
   1. **Saving in American Developer**

45 developer 3 () month salary:

Saving: $ 100,850

* 1. **Saving in Pakistan Developer**

45 developer 3 () month salary:

Saving: $ 472169.2

**Difference is $ 371334**