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| Description: Description: C:\Users\ASHISAI\Desktop\HIT Team\Logo HIT\Logo_New_New.png**Team Assignment 12** |
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| **HIT** |
| **5/12/2012** |
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**Software Measurement and Analysis**

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| **Team members:** | **Members ID** |
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| **Nguyễn Vũ Trọng Giang** | T096656 |
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***Using either the Planning Poker or Wideband Delphi or Parametric or the combination of Wideband Delphi and Parametric to generates schedule, budget and resource estimates for the Viking project and presents your estimates to management. Explain in details how your team did to generate the estimates.***

1. **Assumption:**

* **Project assumptions:** these are the project team's assumptions make before give estimate for Viking
* Project conducted with the participation of seven roles, including 12 members
* 1 Project Manager
* 1 Architect Manager
* 1 Change Manager
* 2 Requirement Engineer
* 1 Risk Manager
* 4 Developers
* 2 Testers
* Effort in WD was estimated in person hours, we will turn into person month to ease when estimate schedule
  + Assume that 1 person day = 8 person hours and 1 person month = 17.5 person days. (Excluding non-productive hours e.g. sickness, holidays, maternity leave, lunch breaks etc.)
  + Therefore, 1 person month = 140 person hours.
* When calculate Deviation Calculation in Wideband Delphi, assume that divisor equal 2.6 with estimation accuracy rate is 80%. Because lack of historical data and team’s ability.
* **Task Assumption:** the assumptions of participants made on each task before estimate the effort of Viking, reference to **Viking\_Delphi\_Estimation.xls**

**Reason to make task assumption:**

Team members make assumptions about the work to be done in order to deal with incomplete information

* Any time an estimate must be based on a decision that has not yet been made, team members can assume the answer for the sake of the estimate
* Assumptions must be written down so that if they prove to be incorrect and cause the estimate to be inaccurate, everyone understands what happened
* Assumptions bring the team together very early on in the project so they can make progress on important decisions that will affect development

1. **Work Breakdown Structure**

A work breakdown structure (WBS), in project management and systems engineering, is a deliverable oriented decomposition of a project into smaller components. It defines and groups a project's discrete work elements in a way that helps organize and define the total work scope of the project. Reference to **Work Breakdown Structure.jpeg**

1. **Wideband Delphi**
2. **Schedule, Budget and Resource Estimates**