CyberZone Software Solutions

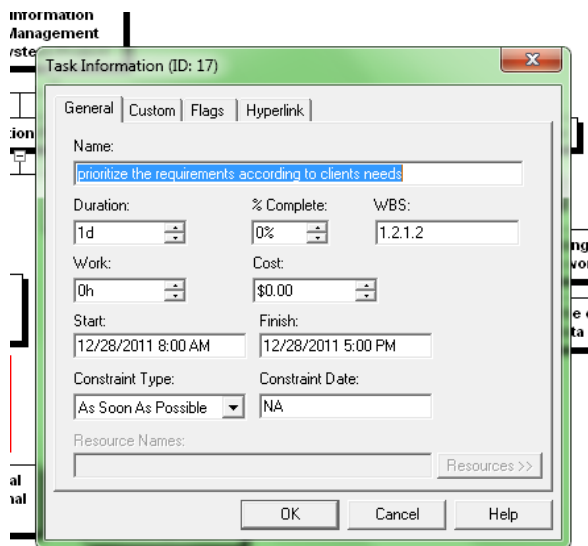Project: **Software System for Sri Lanka Railway Department**
Practical no.3: Work Breakdown Structure

Group Members	
100029X	Amarasinghe,M.A.D.M.P.
100346P	Muramudalige,S.R.
100409M	Premathunga,D.D.R.C.
100563D	Waidyarathna,U.H.S.A.
100577A	Weerasinghe,L.A.

We decided to use "WBS Chart Pro" as our software tool to create the work breakdown structure. A free demo version of that software can be downloaded from the internet which gives us a 30 days trial.

It is very user friendly software which allows us to make the work breakdown structure easily. It automatically sketches the project plan in a top down approach.

We can also add schedule information like duration, start date, finish date, and cost etc to the task by easily double clicking on a task.

It also supports different styles of view like critical path view, planning view, progress view, and Hours and Cost view etc.

After inserting a new task we can just change its caption by typing and it is very easy when using.

And it automatically adjusts the sizes and alignments of the tasks so that we don't have to worry about the alignment.

We can insert tasks into left, right, up or down to a current task and can just delete a task with or without its sub tasks.

In the case of we having so many sub tasks we can minimize the subtasks so that we can easily see the important tasks we want. And we can maximize them and see the final structure without worrying about the alignment of the structure because it automatically adjusts that.

We can easily move tasks by dragging and dropping.

Finally we can just export our structure into a JPEG or another kind of image using this software. That is another advantage.

Ceylon railway government management system

Inception phase

Understand the business

Business environment
- Document functionalities of department
- Understand subsection and information flow
- Understand the requirement

Project management
- Create the business model
- Create the system vision
- Define the scope of the software

Project environment
- Understand and acquire development tool
- Identifying information resource of department
- Identified team and their abilities

Risk management
- Understand the risks
- Understand the alternative solutions

Elaboration phase

Identified requirement
- Conduct interviews and get requirement in details
- Understand and define functional and non-functional requirement
- Prioritize requirement according to department

Design and evaluate
- Design system
- Design user interface and administrative interface
- Design network and backup system
- Design user and department data security phase
- Evaluate system with users

Construction phase

Implementation of system
- Build component in system
- Obtain components of system
- Integrate and form system

Testing the system
- Testing usability with users and administrative
- Testing user acceptance
- Testing reliability and efficiency

Deployment
- Obtain hardware and other software
- Install and initialize components
- Train users and research
- Configure other manage project and component

Transition phase

Testing and debug
- Testing system with users
- Debug and redesign system
- Adding new requirement according to the users

Deployment
- Give training to department users
- Initialize system and convert current data