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CSE 408 - Software Development Sessional

MOTIVATION

**The Need for a
Hood**

Problem Statement:

- Too many tools for single project
- Hard to Maintain
- The big picture not easily visible
- Concentration breaker

Solution

An all-in-one suite

MOTIVATION

$$\int (\text{planning}) d(\text{management}) = \text{growth} + c(\text{onsistency})$$

Problem Statement:

- Difficulty of managing projects rise quickly with larger projects
- Financial Loss for inefficient organization of tasks

Solution

**An integrated tool
facilitating development
lifecycle**

EASYWORK

OUR GOALS

- **Enhanced Productivity**
- **Effective Risk Mitigation**
- **Improved Planning and Scheduling**
- **Centralized Workflows**
- **Improved Team Collaboration**
- **Documentation Management**

FEATURES

Add, customize
and assign tasks

**MANAGE
TASKS
BETTER**

- Customize tasks for any project with custom fields, priority points and more
- Fast-track teamwork with multiple assignees and comment threads for any task.
- Simplify complex projects by breaking them down into levels of subtasks
- Easily Modify Tasks and Subtasks on the go.
- Re-Assign project members/employees on the go.

FEATURES

**A True Birds Eye
View For ALL
Projects and
Tasks**

**JUGGLE
THROUGH
YOUR VIEWS**

The Tool provides different types of task and project viewing tools for the ease of comprehension and management. These include:

- List View
- Box View
- Calendar View
- Gantt Chart
- Activity View
- Timeline View
- Mind Maps

FEATURES

Bring all your
work together in
a high-level
overview

DASHBOARD

A dashboard for development tracker,
resource management and business
administration

Dashboard Contains

- Charts
- Progress Tracking
- Notifications
- Time Tracker
- Calculations
- Workload

FEATURES

Stay on track to
hit goals using
specialized tools

**MANAGE YOUR
GOALS WITH
EASE**

- Setup Project Milestones
- Look at the Critical Path
- Look at Task Dependencies
- Track Progress of Project with work done in real time
- Automatic Priority Assignment of tasks at different phases

FEATURES

Set timelines and dependencies of tasks

**TIME
MANAGEMENT
MADE EASY**

- Manage timeline by setting up deadlines at the start of task creation
- Modify Time Period on the go
- Get Notifications for upcoming deadlines
- Get noted for inconsistent time allocation

FEATURES

Setup
Communication
among
Collaborators

**COLLABORATE
COORDINATE
AND PROCEED**

- Chat application for office communication
- Interface for Question Forum
- Task Update/Completion Notification
- Collaborative Documentation Support

FEATURES

Customized Cost
Estimation Tools

**TAKE CARE OF
FINANCE**

- Efficient and effortless budget estimation tools on the basis of LOC or FP
- Budget predictor on the basis of time allocation change
- Interface for documenting the per sector cost
- High level overview of expenditure

FEATURES

Document the possible risks associated with tasks

AND THE RISKS TOO

- Documenting interface for the possible risks on the whole software development life cycle
- Priority based sorting of risks at a particular point of time

MODULES

BUILDUP AND TASK

- **Create Workspace**
- **Add users to the workspace**
- **Create and assign tasks and subtasks**
- **Edit task / subtask properties (done by manager)**

PROGRESS INTERFACE

- **Gantt Chart**
- **Dependencies**
- **Goals**

MODULES

USER INTERFACE

- **List view**
- **Workload view**
- **Box view**
- **Timeline view**
- **Board view**
- **Gantt view**
- **Table view**
- **Form view**

COMMUNICATION

- **Communicate through a comment thread inside a task / subtask**
- **Get notifications for significant changes inside the project**
- **Keep live track of who is doing what**

MODULES

BUDGET MANAGEMENT

- Thoroughly define project requirements
- Convert requirements to specific stages and increments
- Translate requirements to specific durations and costs
- Produce optimistic, realistic, and worst-case budget estimates

RISK ANALYSIS

- Risk identification
- Risk prioritization
- Risk avoidance & mitigation
- Risk monitoring

MODULES

SCHEDULING

- **Break down large functions into small activities**
- **Set dependency & critical path among various tasks**
- **Establish time duration required to complete the tasks**
- **Allocate budget**

QUALITY TESTING

- **After completion, tasks will be reviewed by the project manager**
- **The project manager can mark the task completed or suggest any change**

Technical Feasibility

- Right equipments are available
- Equipments are well enough
- Enough technical knowledge is available

Market Feasibility

- Foreign PM tools are too expensive
- Comparatively cheap tool will have good market opportunity in our country

Financial Feasibility

- Return on investment will be good enough because of good market values
- Low Financial Risks

Operational Feasibility

- All legal issues are easily solvable
- We have enough well-skilled staff

FEASIBILITY

EXISTING SYSTEMS



THANK YOU