**Project Proposal**

**A Digital Watch**

**Course: SE305 Software Project Lab – I**

Submitted by

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Project proposal on: A Digital Watch 

Date:

The supervisor,

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Sub: spl-1 Proposal submition related

Project proposal on: A Digital Watch

**Title: A Digital Watch**

**Introduction:**

**Time is very important in one’s life. Everyone has to maintain and observe the time in all of his moments of daily activities. So a well-organized dates and time representation is very helpful to anybody. This software is being developed from this aspect.**

**Background:**

**In past there were different systems for determining time like position of sun, shadow of sun position of moon to define times and dates. For example water clock, candle clock,** **pendulum clock, sundial etc were the ancient systems of time determination. With the progress of technology the modern watch is invented like led display watch, digital watch etc. The project will implement the several time related interface view such as watch, stopwatch, calendar etc.**

**Description:**

**At the run time the program will show the current system time and date automatically. But it can be edited as necessary. There have options to see local time of different countries as well as Greenwich Time. Another extra option is to determine the maximum benefits from different weighted work within a certain time.**

**Motivation: Time and tide wait for none. Time should be used properly. A well interface of time and date is helpful to make the best use of time. This is the motivation of my project.**

**Objectives and scopes: The objective of the project are to provide a well facilities of time maintenance and display. Implementing the relational equation to set calendar and to visit the calendar, and a database in a file to implement different countries local times.**

**Functionality: first the program will run and then it will show the current local time and date. To edit the time user have to click the edit option and set the new time and date. Then to show the calendar there has option of calendar to click. To on stopwatch user have to click on stopwatch option and click start to start the stopwatch. Then one can see the time of others countries clicking option.**

**Methodology:**

**To implement the project java 1.7 will be used. For displaying the watch java GUI will be used. To get current time and date from system java library will be used and any other manipulation of time and date and customization options will be implemented in raw code. The project will include a stopwatch, a facility to find the local time of any country and maximum benefits from different weighted work within the bounded time.**

**Constrains:**

**Project is only the software implementation. To use this one should have a computer which has JDK installed.**

**Risks: No risk for this project.**

**Dependency:**

**The project doesn’t support all program running environment. It depends on a selected environment on which it is developed.**