**Project Proposal**

**A Digital Watch**

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

Submitted by

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Submitted to

**SPL I Coordinators**

**Rezvi Shahariar, Assistant Professor, IITDU**

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**Institute of Information Technology**

**University of Dhaka**

Date: 09-02-2017

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Date: 09.02.2017

The coordinator, SPL-I

Institute of Information Technology, University of Dhaka

Sub: Prayer for approval of project proposal

Sir,

With due respect, by referring to the above matter, I would like to present the Project Proposal document.

I want to explain the nuts bolts of the project with this proposal. I hope that you can go through this document and leave your signature if you agreed with my proposal. I expect kind notification for any modification.

Therefore I hope that your cooperation will be effectual to this approval of project proposal.

Sincerely yours, supervisor:

Tulshi Chandra Das, roll: 0811 Amit Seal Ami

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**Title: A Digital Watch**

**Introductions:**

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.

**Backgrounds:**

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”, ”hourglass” 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 such as watch, stopwatch, calendar, timer etc.

**Descriptions:**

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 Greenwich Time. Others options are a stopwatch, calendar, a timer.

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Another option is to determine the maximum benefits from different weighted work within a certain time called best benefit.

**Motivations:**

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. This project provide current or customized time base on system time, a stopwatch, a timer and solve max benefit problem .

**Assumptions:**

It is assumed to have the needed platform which is jdk 1.8 to run the project.

**Dependencies:**

For the program JDK 1.8 is needed otherwise it will not work. The project is JRE dependent. So we have to use appropriate java language version.

**Risks:**

If modified anyhow in any portion of source code it will not response as expected.

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**Proposed Time line:**

|  |  |
| --- | --- |
| Date duration | Task to be done |
| 10/01/2017 – 25/01/2017 | Project determination |
| 26/01/2017 – 5/2/01/2017 | Analysis |
| 6/2/2017 – 1/5/2017 | Coding |
| 2/5/2017 – 2/5/2017 | Testing |
| End date | Final report submission |

**Conclusion:**

By implanting this project I can learn and be acquainted with java graphics, feeling well for this beautiful project.

**References:**

##### Flamer, Keith (2006). ["History of Time"](https://web.archive.org/web/20110716162954/http:/www.iwmagazine.com/education_history.cfm),  [National Maritime Museum](https://en.wikipedia.org/wiki/National_Maritime_Museum). Retrieved 2 July 2008, Davies, Norman; p. 434,  [Turner 1984](https://en.wikipedia.org/wiki/Water_clock#CITEREFTurner1984), p. 1 .