

# **Project Proposal**

## **A Digital Watch**

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

Submitted by

<i>Tulshi Chandra Das</i>	<i>ROLL: BSSE0811</i>	<i>2015-16</i>
---------------------------	-----------------------	----------------

Document Version: 2.0

Submitted to

**SPL I Coordinators**

**Rezvi Shahariar, Assistant Professor, IITDU**

**Amit Seal Ami, Lecturer, IITDU**



**Institute of Information Technology  
University of Dhaka**

Date: 16-02-2017

Date: 14 February 2017

The coordinators, SPL-I

Institute of Information Technology, University of Dhaka

Subject: Application 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 expect kind notification for any modification.

Therefore I hope that your cooperation will be effectual to approve my project proposal.

Sincerely yours

Supervisor

Tulshi Das

Roll: BSSE 0811

Amit Seal Ami

Lecturer, IIT DU

# **Title: A Digital Watch**

## **1. 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.

## **2. 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[1]", "candle clock[2]", "pendulum clock[3]", "sundial[4]", "hourglass[5]". 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 times related interface such as watch, stopwatch, calendar, timer.

## **3. 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 Greenwich Time. Others options are a stopwatch, calendar, a timer.

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

#### **4. 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.

#### **5. Objectives and scopes**

The objectives of the project are to provide 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 .

#### **6. Assumption**

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

#### **7. Dependencies**

For the program JRE 1.8 is needed otherwise it will not work. The project is JRE dependent. Therefore we have to consider the appropriate platform.

#### **8. Risks**

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

## 9. 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 – 1/4/2017	Coding
2/4/2017 – 2/4/2017	Testing
End Date	Final report submission

## 10. Conclusion

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

## References

1. Conference of Qanat in Iran - water clock in Persia 1383, in Persian.
2. Donald Routledge Hill, "Mechanical Engineering in the Medieval Near East".
3. Milham, Willis I. (1945). Time and Timekeepers.
4. Sabanski, Carl. "The Sundial Primer".
5. American Institute of the City of New York (1870).

