FEASIBILITY STUDY

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TECHNOLOGY AND SYSTEM FEASIBILITY

This assessment provides the estimate of this software's performance is up to mark or not. It will provide the capability, in terms of hardware, software, personnel and expertise, to handle the completion of the project. The following have been accounted for, in designing the project:

- The target audience
- The human and economic factor
- The possible solutions to the problem

1. The Intel 8085 Simulator is a specialized software. It is designed to as a development and debugging platform for Intel 8085 based program. It is targeted for programmers accustomed with programming and usage knowledge of 8085 processor and SDK kit.
2. The software is made as easy as possible. As it is not a general application software, the ease of use is limited for use by the learned programmer only.
3. The software is designed to be available for free for personal use and available at minimum cost for commercial distribution. It is designed using Visual Basic .NET 2010 and requires Microsoft .NET Framework 2. This provides cross-platform compatibility and minimize deployment requirements, which further reduces the cost of hardware and additional software acquisition cost.
4. The program is designed by a single personnel for MCA project, and is also available for download via Internet.
5. It is legally covered by GNU Public license and available as Open-Source Software. This is free for personal use but not free for Commercial use.
6. The minimum requirement for operations is enlisted below:

Operating System	Windows 98 and above
Microsoft .NET Framework	2.0 minimum
Minimum Disk Space	5 MB + additional disk space requirement for MS .NET Framework
Compilation of Source Code	Microsoft Visual Basic .NET 2010 (also compatible with MS VB .NET 2008)

ECONOMIC FEASIBILITY

Economic analysis is the most frequently used method for evaluating the effectiveness of a new system. It provides the total estimated cost of design of the software. It is further divided into 2 category:

1. Development Cost
2. Operating Costs

- Development cost implies the total cost incurred during the design and testing of the software.
- Operating Costs specify the total cost that will be incurred by the user when the program is executed on client system.

1. The development cost for this software is shown below:

Content	Cost
Windows 7 Ultimate	Rs. 9000
Microsoft Visual Studio 2010 Ultimate	Rs. 570000
Programmer Rate @ Rs. 10 / hr for 120 months and 6 hrs per day	Rs. 7200
Testing Rate (open testing)	Rs. 0
Internet Hosting Cost for Software (source forge)	Rs. 0
Available Internet Connection Rate	Rs. 500
Total	**Rs. 579500**

2. The deployment cost for an Individual is shown below:

Content	(*One-Time*) Cost
Windows XP	Rs. 6760
Microsoft .NET Framework 2.0 (Free)	Rs. 0
System with Processor 400 Mhz	Rs.10000
500 GB Hard disk	Rs. 3200
1024 x 768 Display	Rs.5000
Minimum Internet Connection	Rs. 100
Total	**Rs. 25060**