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Chapter 1

Cost/Benefit Analysis

1.1 Intoduction

A cost-benefit analysis is the process of comparing the projected or estimated costs and benefits (or opportunities) associated with a project decision to determine whether it makes sense from a business perspective.

1.2 Data analysis

Data analysis is a prerequisite to cost/benefit analysis. A single statement that succinctly defines clint product/service
- Fast , Secure and Reliable

1.3 cost

Cost determine the benifit and seving that are expected from the system and compare them with the expected costs.

The cost for a project mainly depend on time,server,hardware ,equipment and personnel cost.
Hardware/software cost:
It include the cost of purchasing or leasing of computers and its peripherals.Software cost involves required software cost.

CloudLinux LIVE Limit	Eco	Standard	Advanced
RAM	700 MB	1 GB	2 GB
Disk I/O	20 Mbps I/O	20 Mbps I/O	50 Mbps I/O
Concurrent Connections	20 EP	20 EP	50 EP
Max. Number of Processes	100 nPROC	100 nPROC	100 nPROC
CPU Cores	1 CPU Core	1 CPU Core	2 CPU Core

Figure 1.1: using hardware list

Our Provide Best Quality Services

Web Hosting

For your project and easy to manage via cPanel Environments

Starting at

$0.99/month

Get Started

Reseller Hosting

Allow you to create, manage and sell individualized web hosting packages

Starting at

$19.90/month

Get Started

Windows VPS

Get started with a VPS or enjoy the flexibility of our SSD VPS solutions.

Starting at

$9.99/month

Get Started

Dedicated Servers

Host on your own server Powered by Intel® Xeon® and AMD processors.

Starting at

$99.90/month

Get Started

Figure 1.2: NEtaCode services

personnel cost:
It is the money send on the people involve in the development the project .These expenditures include salaries,other benifit such as health ,conveyance allowance etc.In netacode each personnel cost is 50000 per month and forevery project extra working per hours they pay extra 5000.

Time cost: If a project need to made by personnel more time ,give them more money.

	A	B	C	D	E	F
1	**Screen Name**	**Estimated Hour**				
2	Homescreen	12-15				
3	Web Hosting	8-10				
4	Reseller Hosting					
5	Windows VPS	8-10				
6	Dedicated Server	7-8				
7	Partnership	7-8				
8	About Us	8-10				
9	Blog	6-7				
10	Blog Details	4-5			Not Necessary Righ Now	
11	Our Datacenter	3-4				
12	Contact us	2-3				
13	Store	5-6				
14	News	5-6				
15	Knowledgebase	3-4				
16	Support Center	4-5				
17	Terms of Service	1-2				
18	Privacy Policy					
19	Register	3-4				
20	Sign In	1				
21	Forgot Password					
22	Checkout	7-8				
23	Payment	4-5				
24	Dashboard	10-12				
25	**Total**	**110-133**				
26						
27						
28	HTML CSS Frontend	Estimate can be possible after design completion				
29						

Figure 1.3: Time requirement for a website ECNHOST made by NetaCode

1.3.1 Cost analysis for a existing project

Successfully run a project by Netacode cost analysis
Total Investment by clint is 3,550,000tk

Ten member work in this project for 15 days.
personnel cost =(10*50,000)+(5000*3*10)=6,50,000tk
hardware/software cost=5,00000tk
equipment cost=20,00000tk
Others=4,00000

total=650000+500000+2000000+400000
=3550000tk

1.4 Benefit

The biggest advantage of Netacode audience is that -

- clint can start with their services without any technical knowledge , as we will provide full support for them.

- Very Economical (We can beat any of our competitors) with ensuring quality service

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- Multi-Carrier Route Optimized Network

- Proactive monitoring and resolution

- Exceptional performance and reliability

- Best customer retention rate

- 24 hours Live Support by responsible and reliable Staff.

1.4.1 Benefit analysis for a existing project

After running the project average every month in first One year earn by clint 150,000. so,No.of month need for net benifit

$$n=3,550,000/200,000= 18 \text{ month}= 1.8 \text{ year}$$
$$\text{and every month server cost pay by clint is } 10,000tk$$

month	Need cost=C-benifit	C=Server cost(10,000)+need cost	benefit	Cummulative benefit
0	3550000	3560000	200000	200000
1	3360000	3370000	200000	400000
2	3170000	3180000	200000	600000
3	2980000	2990000	200000	800000
4	2790000	2800000	200000	10,00000
5	2600000	2610000	200000	12,00000
6	2410000	2420000	200000	14,00000
7	2220000	2230000	200000	16,00000
8	2030000	2040000	200000	18,00000
9	1830000	1840000	200000	20,00000
10	1640000	1650000	200000	22,00000
11	1250000	1260000	200000	24,00000
12	1060000	1070000	200000	26,00000
13	870000	880000	200000	28,00000
14	680000	690000	200000	30,00000
15	490000	500000	200000	32,00000
16	300000	310000	200000	34,00000
17	110000	120000	200000	36,00000
18	-80000	-70000	200000	38,00000

So after 18 month running this project the clint get 20,0000tk profit every month

Summary Cost benefit and data analysis is most Important think for every system.we can find the existing system is benifited or not after analysis cost and benefit analysis.Clint can decide the want run the system after seeing the cost analysis.